

HUBBELL

INDUSTRIAL
COMMERCIAL
RESIDENTIAL

HUBBELL®
Wiring Device-Kellems

Hubbell Continues the Tradition by

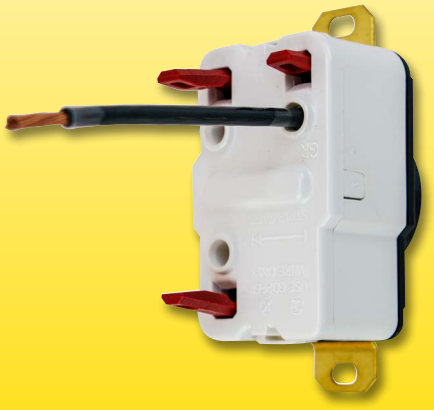












- Hubbell inSIGHT Phase Indicating Disconnect Switches
- Non-Metallic Labelless Circuit-Lock® Switched Disconnect Enclosures
- Disconnects with Jog Switch

- Advantage™ Series Switch-Rated IEC Pin and Sleeve Floor Boxes
- Watertight Pin and Sleeve Devices
- Corrosion Resistant Devices
- Low Profile Devices

- Twist-Lock® Edge Series with strong spring continues to apply pressure as strands relax
- No exposed metal on receptacles, allowing more devices to be installed closer together
- No torque screwdrivers required for wiring



For more than a century, Hubbell Wiring Device-Kellems has offered distributors, end-user customers and specifiers the electrical and electronic wiring devices, wire management systems and specialized wiring products and solutions needed for industrial, institutional, commercial and residential markets.

HUBBELL® Wiring Device-Kellems

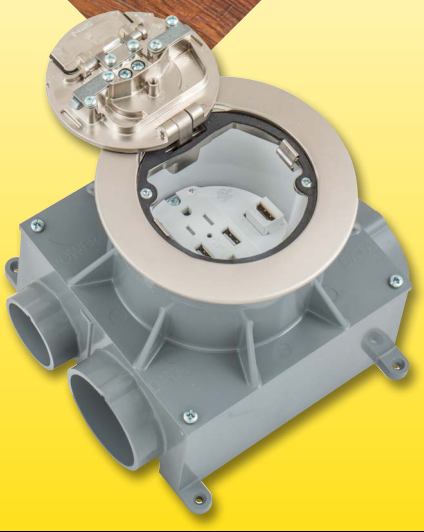
www.hubbell.com/wiringdevice-kellems/en

Focusing on Safety and Efficiency

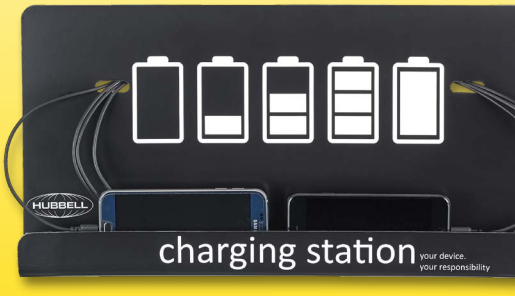












- SystemOne 4 inch Adjustable Recessed Floor Boxes
- Hubbell SystemOne Floor Boxes and Fire-Rated Poke-Throughs
- Countertop Pop-Up Receptacles
- Table Top Boxes
- Pre-Wired USB Pop-Up Boxes
- Pre-Wired Furniture/Work Boxes
- Powered Seating Boxes
- Cabled Charging Stations
- Power Charging Pedestals
- USB Charging Receptacles
- PlugTrak® Raceway with USB

Ensuring the safety of people and equipment while still effectively delivering power and technology is priority number one, which is why Hubbell products provide essential protection against injury and the dangers of electricity. Hubbell products are innovatively designed to maximize energy efficiency, reduce costs and ultimately lead to a lower total cost of ownership.



Table of Contents – Sections Overview

A Straight Blade Devices



- HBL® Extra Heavy Duty Max Devices
- SNAP*Connect*® Extra Heavy Duty Devices
- Commercial Specification Grade Devices
- USB Charger Receptacles and Outlets
- Hubbell-PRO Extra Heavy Duty Devices
- Insulgrip® Plugs and Connectors

B Twist-Lock® and Hubbellock® Devices



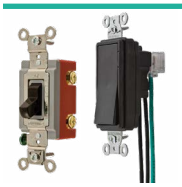
- Insul-Lock™ Devices
- Midget Twist-Lock® Devices
- Twist-Lock® Devices
- Switched Safety Enclosures
- 50A Twist-Lock® Devices
- Hubbellock® Devices

C Watertight Devices



- Watertight Safety-Shroud® Twist-Lock® Devices
- Straight Blade Devices
- Twist-Lock® Devices
- FD Boxes and Angled Adapters
- GFCI Protected FD Box
- Heavy Duty Portable Outlet Boxes and Plates

D Switches



- HBL® Extra Heavy Duty Industrial Grade Series
- SNAP*Connect*® Heavy Duty Series
- Hubbell-PRO Heavy Duty Industrial Series
- Specification Grade Commercial Series
- Low Voltage Commercial Series

E Energy Efficiency Solutions



- Wall Switch Sensors
- Ceiling, Wall and End Mount Sensors
- OPTIMYZER® High Bay and Low Bay Sensors
- MAXX™ Harsh Environment Sensors
- Automatic Receptacle Control Solutions
- Wireless Sensors and Controls

F Switched Disconnects and Enclosures



- inSIGHT™ Phase Indicating Disconnect Switches
- Non-Metallic and Stainless Steel Enclosures
- MotorQuick® Disconnect Switches
- Circuit-Lock® Fused Disconnects
- Hazardous Locations Devices
- AC Manual Toggle Controllers/Disconnects

G Pin and Sleeve Devices/Mechanical Interlocks



- Advantage™ Series Switch-Rated Devices
- IEC Pin and Sleeve Watertight Devices
- Circuit-Lock® Mechanical Interlocks
- Low Profile Pin and Sleeve Devices
- UL1686 C1 Insulgrip® Pin and Sleeve Devices
- Hazardous Locations Devices

H Single Pole Devices and Temporary Power



- Series 15 - 150A Single Pole Devices
- Series 16 & 18 - 300 & 400A Single Pole Devices
- Spider® II Temporary Power Boxes
- Temporary Lighting
- Stage Pin Devices
- Convention Center Pin and Sleeve Devices

I Industrial Connectivity and Control Products



- LINKOSITY® Power Components
- MotorQuick® Disconnect Switches
- CableTrak® Hose and Cable Carrier System
- DIN Rail Utility Boxes
- PANEL-SAFE® Power and Data Access Ports
- HI-Impact Industrial Ethernet Products

J Cable, Cord and Hose Reels



- inREACH™ Industrial Cord Reels
- inREACH™ Industrial Cord Reels Connector Ends
- inREACH™ Industrial Weatherproof Cord Reels
- Heavy Duty Industrial Weatherproof Reels
- Commercial Cord Reels
- Air/Water Hose and Static Discharge Reels

K Ground Fault Products



- Extra Heavy Duty Industrial Series
- Heavy Duty Commercial LED Series
- SNAP*Connect*® GFCI Series
- Arc Fault AFCI Receptacles
- GFCI Portable Products
- Hard Wired 30 Amp GFCI Series

L Hospital Products



- HBL® Extra Heavy Duty Max Devices
- USB Charger Receptacles
- Plugs and Connectors
- Extra Heavy Duty Industrial GFCI Receptacles
- Surge Protection Devices
- Hubbellock® Devices

M SpikeShield® Power Quality Products



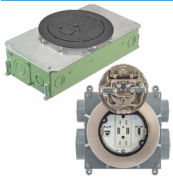
- Service/Branch Panel Protection
- Surge Protection Plug Strips
- Surge Protection Receptacles
- SNAPConnect® TR & Power Ind. LED Receptacles
- Isolated Ground Devices

N Wallplates and Covers



- Snap-On Wallplates
- Non-Metallic and Metal Wallplates
- Pre-Marked Wallplates
- Security Wallplates
- Weatherproof Covers
- Heavy Duty Weatherproof Covers

O Floor Boxes and Surface Enclosures



- SystemOne Recessed Floor Boxes
- SystemOne Flush Floor Boxes
- Flush Floor Boxes and Covers
- Convention Center Utility Boxes
- CONNEXION 2.0 Zone Distribution System

P Fire-Rated Poke-Through (FRPT) Devices



- Hubbell SystemOne Recessed Systems
- Hubbell SystemOne Flush Systems
- 2X2 Flush FRPT Units
- Flush Duplex and Furniture Feed FRPT Units
- Painted or Brushed Aluminum Pedestal FRPT

Q Charging Solutions



- Powered Seating Boxes
- Cabled Charging Stations
- Power Charging Pedestals
- USB Charging Receptacles
- 2X2 USB Work Surface Pop-Up Boxes
- PlugTrak® Raceway with USB Charger Outlets

R Aluminum Service Poles



- Features and Benefits
- Aluminum Series Offering
- Custom Pole Configurations
- Division 16 Specifications

S Metal and Non-Metallic Raceway



- Metal Raceway and PlugTrak®
- Aluminum Raceway and PlugTrak®
- Non-Metallic Raceway and PlugTrak®
- Pre-Wired Raceway
- FloorTrak™ PRO System

T Trench, Wall and Underfloor Duct Products



- Trench Duct Series
- Wall Duct Series
- Underfloor Duct Series
- Underfloor Duct Raceway Activation Kits

U Wire Basket Tray



- Round Cross-Wire Basket Tray
- Flat Style Cross-Wire Basket Tray
- Under Floor Round Cross-Wire Basket Tray
- Preformed Fittings Accessories
- Supports and Brackets

V Hose and Cable Protection Systems



- TrukTrak® Systems
- TredTrak® Systems
- AccessTrak® Systems
- ProTrak™ Systems
- FloorTrak® Systems

W Wire Management Products



- Pulling Grips
- Support Grips
- Fiber Optic Cable Grips
- Strain Relief for Flexible Cords
- Cord Connectors
- Non-Metallic Liquidtight Conduit & Tubing

X Power and AV Enclosures



- Furniture/Work Surface & Table Top Boxes
- Prefab
- Wall boxes
- New Ceiling boxes to come

Y Network Wiring and netSELECT® Products



- Modular Jacks and Connectors
- Hubbell iSTATION Products
- In-Wall AV Delivery
- HDMI Products
- Network Enclosures and Modules
- Molded-In Voice/Data/Video

Z tradeSELECT® Products



- Decorator Products
- iDevices Products
- USB Charger Receptacles
- Switches and Receptacles
- Countertop Receptacles
- Power Delivery

AA Marine Products



- ELCI Interface Solutions
- 30A and 50A Cable Sets
- 100A and 200A Cable Sets
- Internationally Rated Devices
- Adapters
- Telephone and Cable TV Devices

BB Other Wiring Products



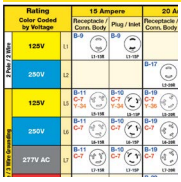
- Circuit Testers
- Adapters and Fluorescent Starters
- Lockout Devices
- Lampholders and Accessories
- Taps, Adapters, Plugs and Connectors

General Technical Data



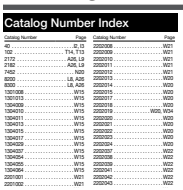
- Industry Standards
- Certification Agencies and Markings
- Codes and Standards Organizations
- NEMA and IEC Classifications
- Circuit Wiring Diagrams

Hubbell Configuration Charts (page IV-V)



- NEMA Straight Blade Devices
- NEMA Twist-Lock® Devices

Catalog Number Index



- Numeric Part Numbers
- Section Page(s) Indicated

NEMA Straight Blade Devices

	Rating		15 Ampere		20 Ampere		30 Ampere		50 Ampere		60 Ampere	
			Receptacle / Conn. Body	Plug / Inlet	Receptacle / Conn. Body	Plug / Inlet	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
2 Pole / 2 Wire	125V	1	A-37  1-15R	A-37  1-15P								
2 Pole / 2 Wire	250V	2			A-37  2-20R	A-37  2-20P						
2 Pole / 3 Wire Grounding	125V	5	A-8 to A-10 A-12 to A-28 A-32 A-34 A-35 A-40 A-46 C-6 AA-35  5-15R	A-32 A-33 A-35 A-40 C-6 AA-35  5-15P	A-8 to A-10 A-12 to A-28 A-32 A-34 A-35 A-40 A-46 C-6 AA-37  5-20R	A-32 A-33 A-35 A-40 C-6 AA-37  5-20P	A-41  5-30R	A-41  5-30P	A-43  5-50R	A-43  5-50P		
2 Pole / 3 Wire Grounding	250V	6	A-9 A-11 A-23 A-32 A-36 C-6  6-15R	A-32 A-36 C-6  6-15P	A-9 A-11 A-23 A-32 A-36 C-6  6-20R	A-32 A-36 C-6  6-20P	A-41  6-30R	A-41  6-30P	A-43  6-50R	A-43  6-50P		
2 Pole / 3 Wire Grounding	277V AC	7	A-37  7-15R	A-37  7-15P			A-41  7-30R	A-41  7-30P	A-43  7-50R	A-43  7-50P		
3 Pole / 3 Wire	125/250V AC	10			A-38  10-20R	A-38  10-20P	A-41  10-30R	A-41  10-30P	A-43  10-50R	A-43  10-50P		
3 Pole / 3 Wire	3Ø 250V AC	11	 11-15R	 11-15P	 11-20R	 11-20P	 11-30R	 11-30P	 11-50R	 11-50P		
3 Pole / 4 Wire Grounding	125/250V AC	14			A-38 14-20R	A-38 14-20P	A-42 14-30R	A-42 14-30P	A-44 14-50R	A-44 14-50P	A-45 14-60R	A-45 14-60P
3 Pole / 4 Wire Grounding	3Ø 250V AC	15			A-38 15-20R	A-38 15-20P	A-42 15-30R	A-42 15-30P	A-44 15-50R	A-44 15-50P	A-45 15-60R	A-45 15-60P
4P / 4W	3ØY 120/208V AC	18			A-38 18-20R	A-38 18-20P	A-42 18-30R	A-42 18-30P	A-44 18-50R	A-44 18-50P	A-45 18-60R	A-45 18-60P

HOW TO USE THIS CHART:

For quick reference, this chart shows the configuration, primary catalog section and page number where the devices are shown.

Open Slots indicates Receptacle / Connector Body configurations (female).

Closed Slots indicates Plug / Inlet configurations (male).

Catalog Section and Page Number

NEMA Configuration

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A-7
A-16
C-6
AA-35

5-15R

IMPORTANT NOTICE:

The catalog pages referenced in **BLUE** are Insulgrip®, Valise®, Safety-Shroud® and Watertight Safety-Shroud® devices, in **RED** are Watertight devices, and in **ORANGE** are Marine corrosion resistant devices

Rating Color Coded by Voltage			15 Ampere Receptacle / Conn. Body	15 Ampere Plug / Inlet	20 Ampere Receptacle / Conn. Body	20 Ampere Plug / Inlet	30 Ampere Receptacle / Conn. Body	30 Ampere Plug / Inlet
2 Pole / 2 Wire	125V	L1	B-11 L1-15R	B-11 L1-15P				
	250V	L2			B-19 L2-20R	B-19 L2-20P		
2 Pole / 3 Wire Grounding	125V	L5	B-13 C-7 AA-34 L5-15R	B-12 C-7 AA-34 L5-15P	B-21 C-7 AA-36 L5-20R	B-20 C-7 AA-36 L5-20P	B-29 C-8 L5-30R	B-28 C-8 L5-30P
	250V	L6	B-13 C-7 L6-15R	B-12 C-7 L6-15P	B-21 C-7 L6-20R	B-20 C-7 L6-20P	B-29 C-8 L6-30R	B-28 C-8 L6-30P
	277V AC	L7	B-13 C-7 L7-15R	B-12 C-7 L7-15P	B-21 C-7 L7-20R	B-20 C-7 L7-20P	B-29 C-8 L7-30R	B-28 C-8 L7-30P
	480V AC	L8			B-24 L8-20R	B-24 L8-20P	B-37 L8-30R	B-37 L8-30P
	600V AC	L9			B-24 L9-20R	B-24 L9-20P	B-37 L9-30R	B-37 L9-30P
3P / 3W	125/250V AC	L10			B-24 L10-20R	B-24 L10-20P	B-31 L10-30R	B-30 L10-30P
3 Pole / 4 Wire Grounding	125/250V AC	L14			B-23 C-8 L14-20R	B-22 C-8 L14-20P	B-31 C-9 L14-30R	B-30 C-9 L14-30P
	3Ø 250V AC	L15			B-23 C-8 L15-20R	B-22 C-8 L15-20P	B-31 C-9 L15-30R	B-30 C-9 L15-30P
	3Ø 480V AC	L16			B-23 C-8 L16-20R	B-22 C-8 L16-20P	B-33 C-9 L16-30R	B-32 C-9 L16-30P
	3Ø 600V AC	L17					B-33 C-9 L17-30R	B-32 C-9 L17-30P
4 Pole / 4 Wire	3ØY 120/208V AC	L18			B-25 L18-20R	B-25 L18-20P	B-36 C-9 L18-30R	B-36 C-9 L18-30P
	3ØY 277/480V AC	L19			B-25 L19-20R	B-25 L19-20P	B-36 L19-30R	B-36 L19-30P
	3ØY 347/600V AC	L20			B-25 L20-20R	B-25 L20-20P	B-36 L20-30R	B-36 L20-30P
4 Pole / 5 Wire Grounding	3ØY 120/208V AC	L21			B-27 L21-20R	B-26 L21-20P	B-35 L21-30R	B-34 L21-30P
	3ØY 277/480V AC	L22			B-27 L22-20R	B-26 L22-20P	B-35 L22-30R	B-34 L22-30P
	3ØY 347/600V AC	L23			B-27 L23-20R	B-26 L23-20P	B-35 L23-30R	B-34 L23-30P
2P/ 3W	347V AC	L24			B-24 L24-20R	B-24 L24-20P		
	240V AC	L25					B-37 L25-30R	B-37 L25-30P
4P/ 5W	3ØY 240/415V AC	L26					B-35 L26-30R	B-34 L26-30P

MIDGET TWIST-LOCK® DEVICES

	Rating	Receptacle	Plug
2P / 2W	15A 125V	B-7 ML-1R	B-6 ML-1P
2P / 3W Gr	15A 125V	B-7 ML-2R	B-6 ML-2P
3P / 3W	15A 125/250V AC	B-7 ML-3R	B-6 ML-3P

50A TWIST-LOCK® DEVICES

	Rating	Receptacle	Plug
2 Pole / 3 Wire Grounding	50A 125V Corrosion Resistant ANSI C73-110 / NEMA SS1-50 Marine Products	AA-14 AA-15	AA-14 AA-15
	50A 125V	B-56	B-56
	50A 250V	B-56	B-56
	50A 480V AC	B-56	B-56
3 Pole / 4 Wire Grounding	50A 125/250V Corrosion Resistant ANSI C73-111 / NEMA SS2-50 Marine Products	AA-16 AA-17	AA-16 AA-17
	50A 125/250V AC	B-57	B-57
	50A 3Ø 250V AC	B-57	B-57
	50A 3Ø 480V AC	B-57	B-57

NON-NEMA TWIST-LOCK® DEVICES

	Rating	Receptacle	Plug
3 Pole / 3 Wire	20A 125/250V	B-45 C-8	B-44 C-8
	30A 125/250V	B-48 C-9	B-47 C-9
4 Pole / 4 Wire	20A 3ØY 120/208V AC	B-45	B-44
	30A 3ØY 120/208V AC	B-48 C-9	B-47 C-9
4P/5W Gr	20A 250V 10A 600V AC	B-46	B-46

General Information

Industrial and Commercial Wiring Devices and Systems
Kellems Wire Management Products
Residential Products
Marine Products

MEMBER NEMA Setting Standards for Excellence

National Electrical Manufacturers Association

NEMA promotes the competitiveness of its member companies by providing a forum for the development of technical standards that are in the best interests of the industry and the users of its products.

NAED ASSOCIATE

National Association of Electrical Distributors

Since 1908, NAED has served as the trade association for the electrical distribution industry.

To be an NAED associate member, your company must be a manufacturer or value-added reseller.

RoHS

Restriction of Hazardous Substances

The RoHS Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment".

U.S. GREEN BUILDING COUNCIL MEMBER

U.S. Green Building Council Member

Hubbell is a US Green Building Council (USGBC) member dedicated to advancing buildings that are environmentally responsible in the way they are designed, built and operated.

Certified System ™
ISO 9001

International Organization for Standardization

ISO (International Organization for Standardization) is the world's largest developer and publisher of International Standards.

Precautions have been taken to assure accuracy of the information in this catalog. Typographical or pictorial errors which are brought to our attention will be corrected in subsequent issues.

Product dimensions in this catalog are nominal and are provided for the convenience of our customers. Hubbell reserves the right to make product changes from time to time, without prior notification, which may change the dimensions shown. We, therefore, recommend they be checked before using for customer projects or product development and specification.

The designs and dimensions of the products listed in this catalog, were correct at the date of publication and are subject to change without notice.

All configuration diagrams shown in the various sections of the catalog are female devices (receptacles, connector bodies, etc.) unless otherwise indicated.

No material will be accepted for return unless permission is granted in writing by this Company. All orders received for special items and engraved plates are accepted as firm orders and are non-cancelable by the customer.

Claims for freight charges or allowances of any kind will not be considered after 30 days from receipt of goods and our responsibility ceases when we have delivered such shipments to the carriers and hold their receipts.

The following trademarks of Hubbell Incorporated, are your assurance of the highest quality wiring devices and wiring management products in the Industry.

- 4-PLEX®
- AccessTrak®
- Advantage™
- ADD-A-SHROUD®
- AUTOGUARD®
- BaseTrak®
- CableTrak®
- CircuitGuard®
- Circuit-Lock®
- CircuitPro®
- DUA-PULL®
- Elastogrip®
- FloorTrak®
- GOTCHA®
- Gripulator®
- HBL®
- Handi-Screw®
- Hubbell®
- Hubbell Juniors®
- Hubbellock®
- Hubbellnet®
- inSIGHT™
- Insul-Lock™
- Insulgrip®
- JLOAD®
- Kellems®
- LANTrak®
- LINKOSITY®
- Load:Logic®
- MAXX™
- Micro-Quick®
- Mini-Quick®
- MotorQuick®
- Nano-Quick®
- netSELECT®
- NEXTSPEED®
- NOT Plug Resistant™
- OPTIMYZER®
- OPTISOK®
- PANEL-SAFE®
- PLUG-CHECK®
- PLUGOUT®
- PlugTrak®
- PolyTrak®
- PolyTuff®
- PremiseTrak®
- PresSwitch®
- ProTrak™
- RACO®
- Rough-in Ready®
- Safety-Shroud®
- ScrubShield®
- Seal-Tite®
- Signal-Quick®
- SNAP*Connect*®
- SPEEDGAIN®
- Spider®
- SpikeShield®
- Style Line®
- Super BaseTrak®
- Super Twist-Lock®
- SWITCHOUT®
- SwivelLok®
- tradeSELECT®
- TredTrak®
- TrukTrak®
- Twist-Lock®
- Valise®
- Variload®
- VARI-SIZE®
- WallTrak®
- XCLAMP™

UPC Vendor Code No. 783585 - Hubbell Wiring Device-Kellems
CAGE No. 74545
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SECTION A

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HBL® Extra Heavy Duty Max Hospital Grade



Extra Heavy Duty SNAP*Connect*® Receptacles



Permanently Marked Receptacles



EdgeConnect™ Spring Termination Devices



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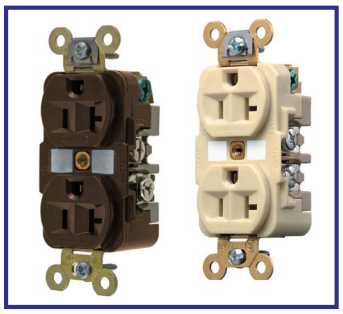
Products at a Glance



HBL® Extra Heavy Duty Max Hospital Grade

- Deep nylon body design increases impact and chemical resistance
- One-piece nickel-plated brass ground strap
- ID marking surface for quick circuit identification
- Square head, 10-thread bronze center rivet
- External back wire clamp



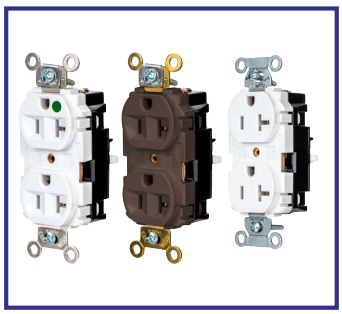
HBL® Extra Heavy Duty Max

- One-piece brass ground strap
- Exclusive bypass contact design for greater contact force and reduced heat buildup
- Barbed assembly arms reduce possibility of face/base separation
- Deep face design



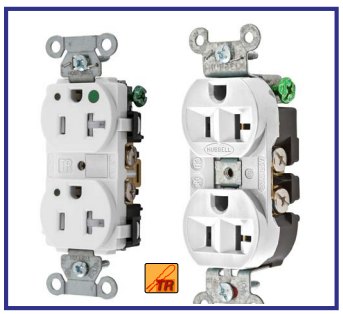
SNAP*Connect*® Extra Heavy Duty

- Hospital and Specification Grade
- SNAP*Connect*® modular wiring device system saves installation time
- Eliminates screw terminations
- Steel mounting strap, self-grounding
- Compact size requires minimal space
- Single receptacles available



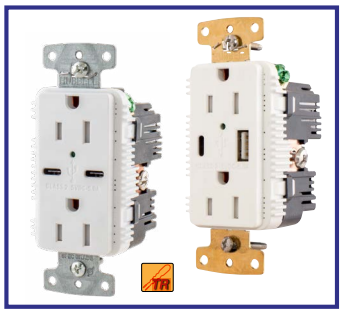
EdgeConnect™ Spring Termination Receptacles

- Hospital and Specification Grade
- Spring termination saves installation time
- Eliminates screw terminations
- More secure connection
- Steel/Brass mounting strap, self-grounding



Hubbell-PRO Extra Heavy Duty

- Specification Grade and Hospital Grade
- Tamper-Resistant... **NOT** Plug Resistant™
- Power indicating LED feature optional
- Circuit ID marking area on Hospital Grade
- Steel mounting strap, self-grounding



USB Charger Receptacles

- Type-C, Type A&C and Type A port configurations, high power 5 Amp, 5 Volt DC USB output
- Available in Standard and Hospital Grade
- Weather Resistant Type A&C USB charger
- SNAP*Connect*® devices, reduce labor costs and installation time
- 4 Port and Switch Combo outlets



Commercial Specification Grade

- Installation ease
  - Single tab breakoff ears
  - Self-grounding staple
  - Easy access split circuit tab
- Tamper-Resistant... **NOT** Plug Resistant™
- Wrap-around galvanized steel straps



4-PLEX Receptacles

- Hospital Grade and Surge styles
- Mounts directly to 4-inch square box
- "A" and "B" circuit ID molded into face
- Removable knockouts for mounting to octagon concrete ring or box
- Heavy duty, triple wipe, brass power and ground contacts

Features and Benefits

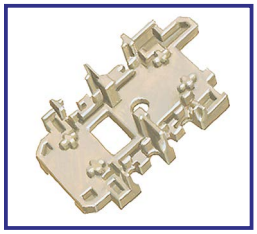


HBL® Extra Heavy Duty Max Hospital Grade Devices

UL requirements for Hospital Grade devices is more stringent than those for standard devices. Hubbell receptacles are designed to meet and exceed the standards.

- Exclusive nickel-plated bypass contact design increases contact pressure, lowering the operating temperature
- Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas
- Impact resistant deep face design prevents breakage

Because of these features and others, the benefit is performance, reliability and value for any health care facility.



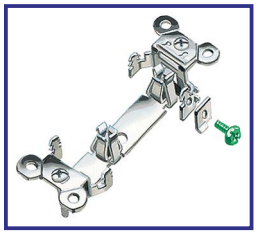
Housing Design

- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance
- Deep body design increases impact and chemical resistance



Terminals

- External wiring clamps allow for visual inspection of the terminals
- Unique strand containment feature on the terminal “bundles” the wire, ensuring 100% clamping of wire strands and reducing heat from the termination



One-Piece Mounting Strap

- Back wired ground terminal allows faster, easier installation
- One-piece nickel-plated brass integral ground strap for greater corrosion resistance
- Patented ground contact provides redundant grounding



Contacts

- Exclusive bypass contacts are made of nickel-plated brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
- Barbed assembly arms reduce possibility of face/base separation



Identification

- I.D. marking surface provides quick, sure circuit identification
- All Hospital Grade devices are marked with the green dot symbol, required by UL



Center Rivet

- Square head, 10-thread bronze center rivet won’t rotate, reduces stripping and resists corrosion

Features and Benefits



HBL® Extra Heavy Duty Max Industrial Series

Hubbell's commitment to quality continually reinforces a philosophy of unrivaled performance. No Hubbell device exemplifies this philosophy more than the HBL5262. While all Hubbell receptacles are designed and manufactured to withstand even the harshest environments, none match the total performance of the HBL5262.

Whether in a factory, office building or school, the Hubbell HBL5262 is the receptacle of choice when people are depending on the safety and reliability of a receptacle.

- One-piece brass ground strap
- Patented bypass contacts
- Back wired ground terminal reduces installation time and increases convenience

The safest, most reliable design for a low resistance flow of fault currents. Oversized "bell" shaped ground contacts, along with nickel plated steel retaining shields, help minimize damage to the grounding system during abrupt pullout.



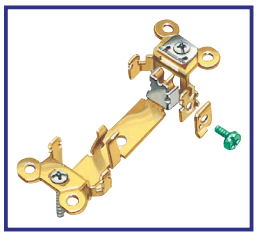
Housing Design

- RTP base offers greater heat resistance, plus contact stability
- Providing contact stability, this high tech material will reduce heat buildup, giving you long lasting performance
- Deep nylon body design delivers increased impact resistance



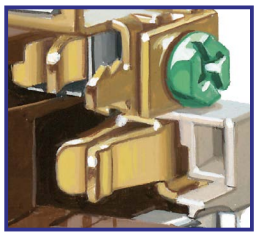
Terminals

- External bundling terminals contain wire strands and are designed for quick inspection
- Unique strand containment feature on the terminal "bundles" the wire, ensuring 100% clamping of wire strands and reducing heat from the termination



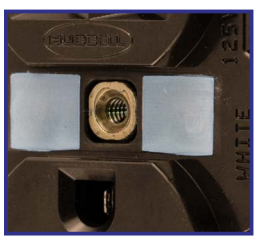
One-Piece Mounting Strap

- Back wired ground terminal allows faster, easier installation
- One-piece brass ground strap for low resistance of fault currents
- Patented ground contact provides redundant grounding



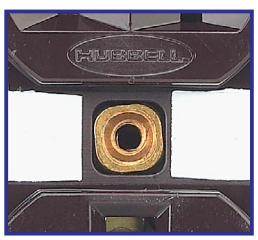
Contacts

- Patented "bypass" contacts are made of high grade brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
- Barbed brass locking arms keep the face locked in place to diminish potential for face/base separation



Identification

- I.D. marking surface provides quick, sure circuit identification



Center Rivet

- Square head, 10-thread brass center rivet won't rotate, reduces stripping and resists corrosion

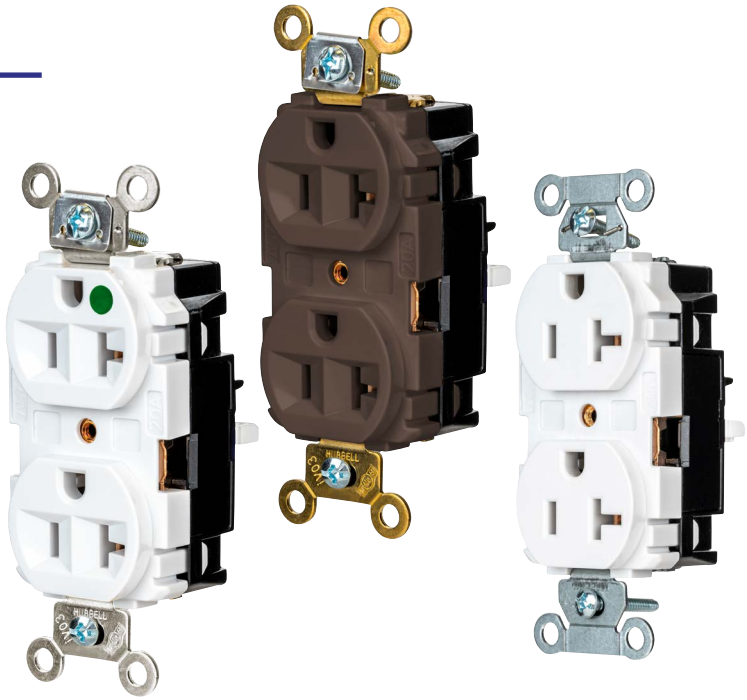
Features and Benefits

EdgeConnect™ Spring Termination Receptacles

Hubbell's innovative, patented EdgeConnect™ devices with screwless terminations are the fastest termination devices on the market. Strong steel springs continuously apply pressure to wires, ensuring a strong connection in the most abusive environments.

Designed with easy termination access in the back of the device with laser etched terminal markings for clear identification of correct wiring.

Funneled wire entry to direct conductor strands as well as molded in leverage points for easy unwiring.





The terminations are tight from day one and stay tight, gripping hard to keep the power flowing even through high vibration environments that can steadily work wires loose and cause unscheduled downtime.

Similar performance is also demonstrated in the face of related industrial threats such as temperature cycling and strand relaxation. No matter what the environment, with EdgeConnect™ devices you won't have to go back and retighten—just install once and you're all set.

Wires secured with Hubbell's EdgeConnect™ screwless termination devices not only stay tight, they actually dig in and get tighter in the face of the relentless vibration from industrial equipment which constantly threatens the integrity of traditional connections.

IT'S ABOUT **PERFORMANCE**

Speed
80% faster terminations

Durability
Built to withstand the industry's harshest environments

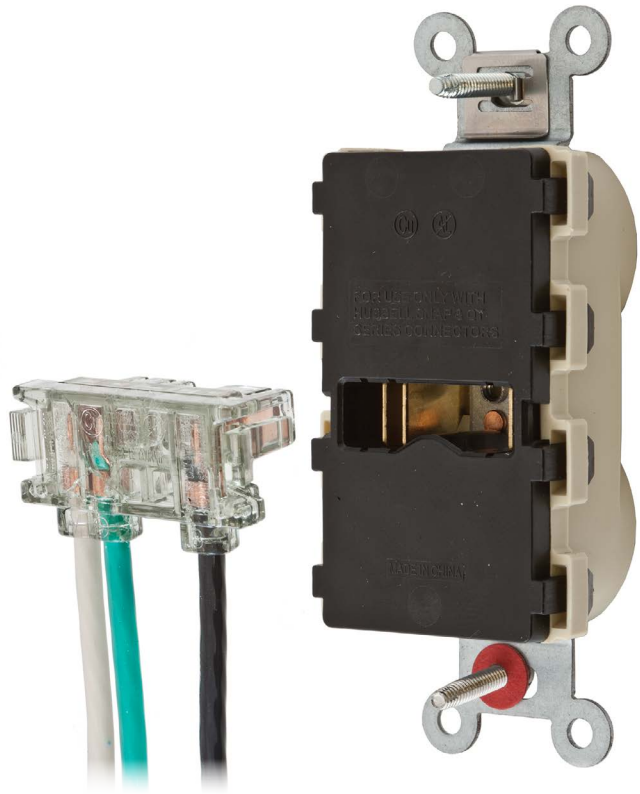
Performance
Terminations are 25-60% stronger when subjected to vibration

Patented
The only screwless termination in an industrial NEMA wiring device

Features and Benefits

SNAP*Connect*® Extra Heavy Duty Receptacles

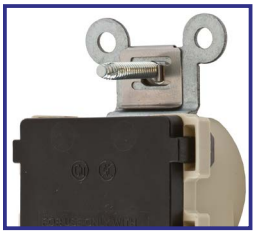
- Modular wiring system eliminates screw terminals
- Speeds installation and trim-out
- Clear polycarbonate terminal housing to inspect contacts
- Available in standard, tamper-resistant and power indicating LED versions
- Abuse resistant nylon for extra heavy use applications
- Stainless steel autoground





Housing Design

- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Compact size, requires minimal box space
- Clean finished look



Installation Ease

- Self-grounding clip
- Modular receptacle which requires pigtailed connector below



Identification

- Clear terminal housing for easy inspection of power contacts
- No exposed metal
- Audible SNAP, indicates solid connection
- Secure, easy grip latch

Labor Savings



Save One Minute!

- Rough-in the SNAP*Connect*® terminal instead of pigtails



Save Over Three Minutes!

- Remove protective packaging and SNAP*Connect*® device to the circuit



Complete Trim-Out in Less Than One Minute!

- Secure mounting screws, attach wallplate, job complete

Features and Benefits

Commercial Specification Grade Receptacles

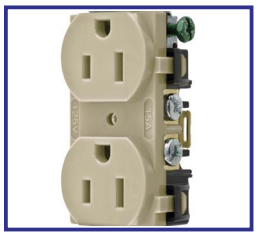
The Hubbell Tamper-Resistant Mechanism eliminates the frustration and difficulty experienced using TR receptacles with plugs that have sharp, or bent blades. Hubbell TR receptacles work so well there is virtually no perceptible difference in the feel between the TR receptacles and our conventional non-TR receptacles. Trust Hubbell to deliver TamperResistant protection that feels like it's not even there.

- Patented TR design eliminates plug-in difficulty and TR complaints
- Perfect for residential TR applications involving tenants with limited dexterity or hand strength
- For use in locations requiring Tamper-Resistant receptacles
- Best-in-class TR mechanism



Tamper-Resistant

Tamper-Resistant... **NOT** Plug Resistant™



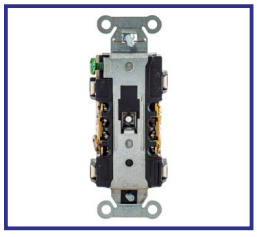
Housing Design

- Durable polycarbonate face and base construction
- Modern architectural appearance, Style Line® decorator face



Tamper-Resistant... NOT Plug Resistant®

- Patented Cam Action TR Mechanism
- Difficulties due to problematic plugs are minimized



One-Piece Mounting Strap

- Sturdy construction, wrap-around galvanized steel straps
- Installation ease
- Single tab breakoff ears
- Self-grounding staple



Contacts

- Easy access split circuit tab
- Fork terminal capable
- Oversized terminal screws



Permanently Marked Receptacles for Automatic Outlet Control Systems

- These receptacles are embossed with the universally recognized power symbol and the word "CONTROLLED" remains clearly visible after installation
- Available in SNAP*Connect*® and conventionally wired versions



Nightlight Receptacle

- Two nightlight LEDs for 0.5 Lumens total
- Tamper-Resistant shutters complies with NEC article 406.12
- Back and side wired

Features and Benefits

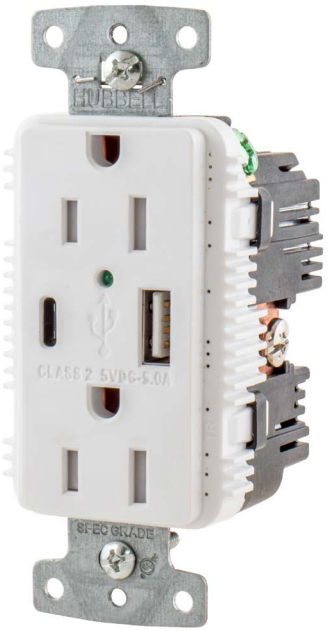
USB Charger Receptacles and Outlets

More Ways to Charge Faster with Hubbell's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Hubbell's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

The 4 Port Charger Outlet feature a USB port door, which when open enables power. When closed, all power is switched OFF. This eliminates all current flow for a "zero" no-load draw. Buildings looking to provide 100% green efficiency in power delivery will maximize LEED and energy efficient design.

Common Features

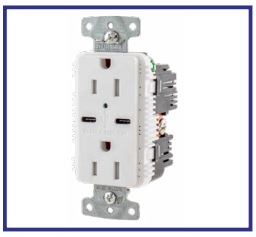
- Green LED indicator to show USB power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products



USB Charger Receptacles

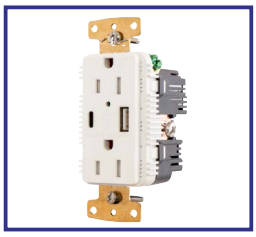


4 Port Outlets



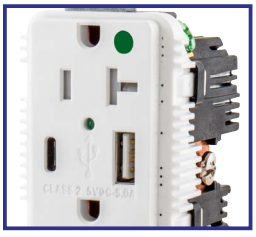
Types of USB Chargers

- Two Type-C ports, one Type A and one Type-C port, or two Type A port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle



Weather Resistant Type A&C USB Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Power indicating green LED light



USB Charger Receptacles

- Standard and Hospital Grade
- Provides both USB and electrical power in a standard single gang opening
- Back and side wired



SNAPConnect® Receptacle

- SNAPConnect® devices reduce labor time during installation and when being serviced in the future
- Installation ease
- Self-grounding staple



Identification

- Patented Hubbell TR technology uses cam action shutters; the friction-free design of the mechanism's doors requires much less force to open
- Green LED indicator to show USB power available



4 Port and Switch Combo Outlets

- 4 Port outlet, Type A&C class 2.0 5 Amp, up to 9 Volt DC
- 4 Port has switch activated port door; when closed, all power is switched OFF
- Switch Combo has two USB ports 2.1 Amp, 5 Volt DC, Type A, class 2.0
- Isolated 15 Amp, 120V AC single pole/ 3-way switch

Apple® is a registered trademark of Apple Inc.
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

15 and 20 Ampere, 125 Volts

IP20
SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

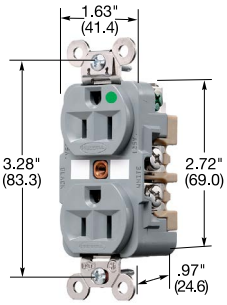


20A 125V
NEMA 5-20R
UL CSA
1 HP

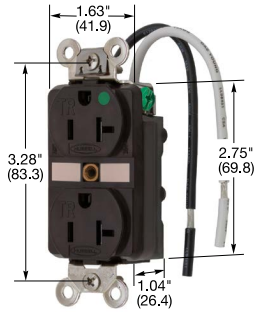
HBL® Extra Heavy Duty Max Hospital Grade ● Receptacles

	Color	Catalog Number	
Duplex			
Flush, thermoplastic polyester face, back and side wired.	Black	**HBL8200BK**	**–**
	Blue	**–**	**HBL8300BL**
	Brown	**HBL8200**	**HBL8300**
	Gray	**HBL8200GY**	**HBL8300GY**
	Ivory	**HBL8200I**	**HBL8300I**
	Light Almond	**HBL8200LA**	**HBL8300LA**
	Red	**HBL8200RED**	**HBL8300RED**
	White	**HBL8200W**	**HBL8300W**
Flush, LED illuminated face, back and side wired.	Gray	**HBL8200ILGY**	**HBL8300ILGY**
	Ivory	**HBL8200ILI**	**HBL8300ILI**
	Red	**HBL8200ILR**	**HBL8300ILR**
	White	**HBL8200ILW**	**HBL8300ILW**
Tamper-Resistant receptacle with wire leads. Complies with requirements of NEC® article 517-18(c).	Brown	**HBL8200SGA**	**HBL8300SGA**
	Gray	**HBL8200SGGYA**	**HBL8300SGGYA**
	Ivory	**HBL8200SGIA**	**HBL8300SGIA**
	Light Almond	**–**	**HBL8300SGLA**
	Red	**HBL8200SGRA**	**HBL8300SGRA**
	White	**HBL8200SGWA**	**HBL8300SGWA**
Isolated ground[Δ].	Orange	**IG8200**	**IG8300**
	Red	**IG8200R**	**IG8300R**
MRI Receptacle, Duplex			
MRI receptacle, flush, thermoplastic polyester face, back and side wired. 100% non-ferrous.	Ivory	**HBL8200IMRI**	**HBL8300IMRI**
	Light Almond	**HBL8200LAMRI**	**HBL8300LAMRI**
	Red	**HBL8200RMRI**	**HBL8300RMRI**
	White	**HBL8200WMRI**	**HBL8300WMRI**
Slender/Compact, Duplex			
Flush, thermoplastic polyester face, back, and side wired, Fed. Spec. verified.	Brown	**HBL8200H**	**HBL8300H**
	Gray	**HBL8200HG**	**HBL8300HG**
	Green	**–**	**HBL8300HGN**
	Ivory	**HBL8200HI**	**HBL8300HI**
	Light Almond	**HBL8200HLA**	**HBL8300HLA**
	Red	**HBL8200HRED**	**HBL8300HRED**
	White	**HBL8200HW**	**HBL8300HW**
Style Line® Decorator*			
Flush, nylon face, back and side wired.	Brown	**HBL2172**	**HBL2182**
	Gray	**HBL2172GY**	**HBL2182GY**
	Ivory	**HBL2172I**	**HBL2182I**
	Red	**HBL2172R**	**HBL2182R**
	White	**HBL2172WA**	**HBL2182WA**
Isolated ground[Δ].	Ivory	**–**	**IG2182I**
	Orange	**–**	**IG2182**
	White	**–**	**IG2182WA**
Single			
Flush, nylon face, back and side wired, Fed. Spec. verified.	Brown	**HBL8210**	**HBL8310**
	Gray	**HBL8210GY**	**HBL8310GY**
	Ivory	**HBL8210I**	**HBL8310I**
	Red	**HBL8210R**	**HBL8310R**
	White	**HBL8210W**	**HBL8310W**
Panel mount on 1.94 in. (49.2) centers.	Brown	**HBL8284**	**–**
	Ivory	**HBL8284I**	**HBL8384I**
Isolated ground[Δ].	Orange	**IG8210**	**IG8310**

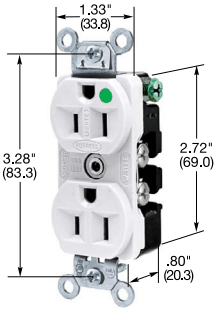
Note: [Δ]*See section N for additional information on isolated ground devices.*
**Not Fed. Spec. Listed.*
See pages A-47 and A-48 for accessories.
See page Tech-10 for Tamper-Resistant description.
See section M for additional information on Hospital Grade products.
See section O for wallplates.



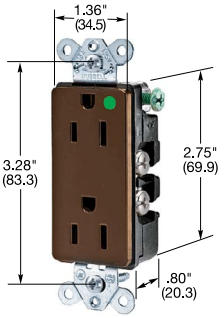
HBL8200GY



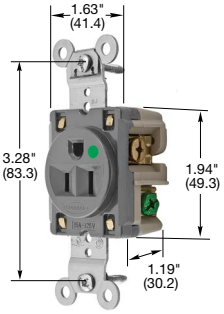
HBL8300SGA



HBL8200ILW



HBL2172

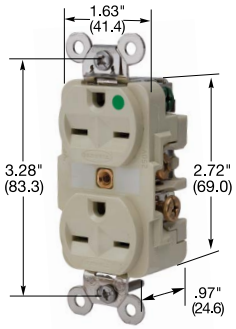


HBL8210GY

Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

15 and 20 Ampere, 125 and 250 Volts



HBL8600I

HBL® Extra Heavy Duty Max Hospital Grade ● Receptacles



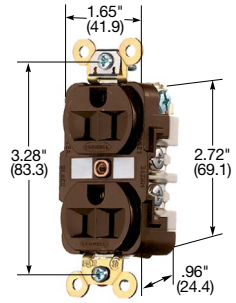
15A 250V
NEMA 6-15R
UL CSA
1.5 HP



20A 250V
NEMA 6-20R
UL CSA
2 HP

Duplex	Color	Catalog Number	
Flush, thermoplastic polyester face, back and side wired.	Brown	**HBL8600**	**HBL8400**
	Ivory	**HBL8600I**	**HBL8400I**

Note: See page A-48 for accessories.
See section N for wallplates.



HBL5262

HBL® Extra Heavy Duty Max Specification Grade Receptacles

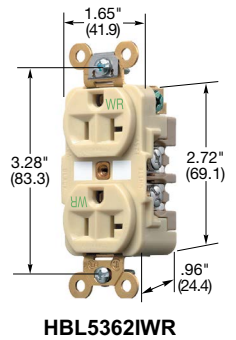


15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex	Color	Catalog Number	
Flush, nylon face, back and side wired.	Black	**HBL5262BK**	**HBL5362BK**
	Blue	**–**	**HBL5362BL**
	Brown	**HBL5262**	**HBL5362**
	Gray	**HBL5262GY**	**HBL5362GY**
	Ivory	**HBL5262I**	**HBL5362I**
	Red	**HBL5262R**	**HBL5362R**
	White	**HBL5262W**	**HBL5362W**
Isolated ground[Δ].	Gray	**IG5262GY**	**IG5362GY**
	Ivory	**IG5262I**	**IG5362I**
	Orange	**IG5262**	**IG5362**
	Red	**IG5262R**	**IG5362R**
	White	**–**	**IG5362W**
Non-isolated ground, bulk pack of 100.	Orange	**–**	**HBL5362M4**
Weather Resistant, flush, nylon face, back and side wired.	Black	**HBL5262BKWR**	**HBL5362BKWR**
	Brown	**HBL5262WR**	**HBL5362WR**
	Gray	**HBL5262GYWR**	**HBL5362GYWR**
	Ivory	**HBL5262IWR**	**HBL5362IWR**
	Red	**HBL5262RWR**	**HBL5362RWR**
	White	**HBL5262WWR**	**HBL5362WWR**
Corrosion resistant.	Ivory	**HBL52CM62I**	**–**
	Yellow	**HBL52CM62**	**HBL53CM62**
Weather Resistant, Isolated ground[Δ].	Gray	**IG5262GYWR**	**IG5362GYWR**
	Ivory	**IG5262IWR**	**IG5362IWR**
	Orange	**IG5262WR**	**IG5362WR**
	Red	**IG5262RWR**	**IG5362RWR**
	White	**–**	**IG5362WWR**
On 4 in. (101.6) round cover.	Brown	**HBL5282**	**–**



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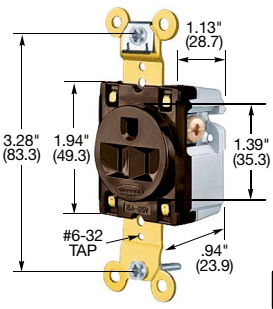
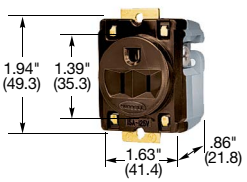


HBL5261

Single

Flush, nylon face, back and side wired.	Black	**HBL5261BK**	**HBL5361BK**
	Brown	**HBL5261**	**HBL5361**
	Gray	**–**	**HBL5361GRY**
	Ivory	**HBL5261I**	**HBL5361I**
	White	**–**	**HBL5361W**
Isolated ground[Δ].	Orange	**IG5261**	**IG5361**
Weather Resistant, Isolated ground[Δ].	Orange	**IG5261WR**	**IG5361WR**
Ring terminal connection.	Brown	**HBL5261RT**	**HBL5361RT**
	White	**HBL5261WRT**	**–**
	Yellow	**HBL5261YRT**	**–**
Weather Resistant, flush, nylon face, back and side wired.	Brown	**HBL5261WR**	**HBL5361WR**
	Gray	**–**	**HBL5361GRYWR**
	Ivory	**HBL5261IWR**	**HBL5361IWR**
Corrosion resistant.	Yellow	**HBL52CM61**	**HBL53CM61**
Panel mount on 1.94 in. (49.3) centers.	Brown	**HBL5284**	**HBL5357**



HBL5284

Dimensions in Inches (mm)

Note: [Δ]See section N for additional information on isolated ground devices.
See pages A-47 and A-48 for accessories.
See page Tech-10 for Weather Resistant descriptions.
See section O for wallplates.

15 and 20 Ampere, 125 Volts



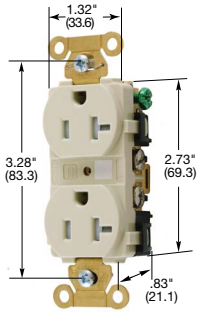
15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

HBL® Extra Heavy Duty Max Tamper-Resistant Receptacles

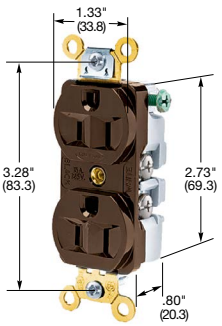
Duplex	Color	Catalog Number	
Flush, nylon face, Tamper-Resistant, back and side wired.	Black	**HBL5262BKTR**	**HBL5362BKTR**
	Blue	**HBL5262BLTR**	**HBL5362BLTR**
	Brown	**HBL5262TR**	**HBL5362TR**
	Gray	**HBL5262GYTR**	**HBL5362GYTR**
	Ivory	**HBL5262ITR**	**HBL5362ITR**
	Light Almond	**HBL5262LATR**	**HBL5362LATR**
	Red	**HBL5262RTR**	**HBL5362RTR**
	White	**HBL5262WTR**	**HBL5362WTR**



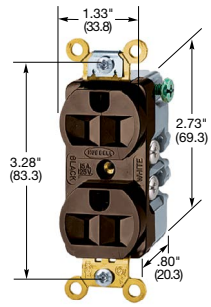
HBL5362ITR

HBL® Extra Heavy Duty Max Compact Receptacles

Duplex	Color	Catalog Number	
Flush, nylon face, back and side wired.	Black	**HBL5252BK**	**HBL5352BK**
	Blue	**–**	**HBL5352BL**
	Brown	**HBL5252**	**HBL5352**
	Gray	**HBL5252GY**	**HBL5352GY**
	Ivory	**HBL5252I**	**HBL5352I**
	Red	**HBL5252R**	**HBL5352R**
	White	**HBL5252W**	**HBL5352W**
On a 4 in. (101.6) round cover.	Brown	**HBL5253**	**–**
Flush, nylon face, side wired only.	Brown	**HBL5242**	**HBL5342**
	Gray	**HBL5242GY**	**HBL5342GY**
	Ivory	**HBL5242I**	**HBL5342I**
	White	**HBL5242W**	**HBL5342W**
Ring terminal connection.	Brown	**HBL5242RT**	**HBL5342RT**



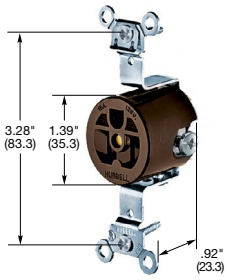
HBL5252



HBL5242

Single

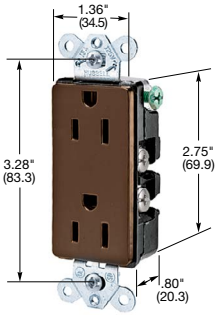
Flush, side wired only.	Brown	**HBL5251**	**–**
	Ivory	**HBL5251I**	**–**
Panel mount 1.75 in. (44.5) centers.	Brown	**HBL5258**	**HBL5358**
	Ivory	**HBL5258I**	**–**



HBL5251

Style Line® Decorator*

Flush, nylon face, back and side wired.	Black	**HBL2152BK**	**HBL2162BK**
	Brown	**HBL2152**	**HBL2162**
	Gray	**HBL2152GY**	**HBL2162GY**
	Ivory	**HBL2152I**	**HBL2162I**
	White	**HBL2152WA**	**HBL2162WA**
Isolated ground[Δ].	Gray	**–**	**IG2162GY**
	Orange	**IG2152**	**IG2162**

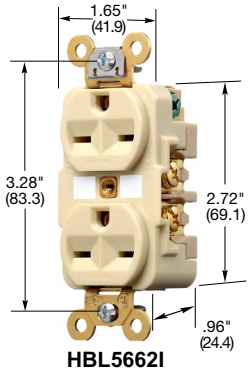


HBL2152

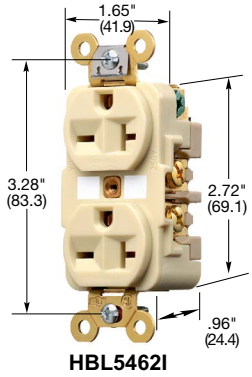
Note: [Δ]See section N for additional information on isolated ground devices.
**Style Line Duplex devices are not Fed. Spec. Listed.*
See page A-47 for accessories.
See section O for wallplates.

Dimensions in Inches (mm)

15 and 20 Ampere, 250 Volts



HBL5662I



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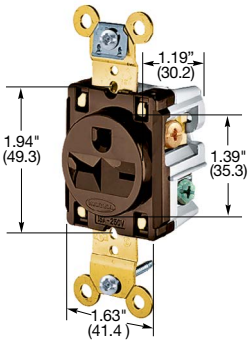
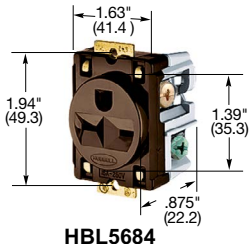
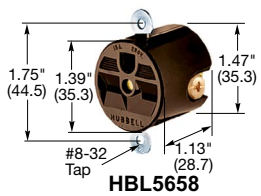


HBL5661



HBL5684



HBL5658

Dimensions in Inches (mm)

HBL® Extra Heavy Duty Max Specification Grade Receptacles

		15A 250V NEMA 6-15R UL CSA 1.5 HP	20A 250V NEMA 6-20R UL CSA 2 HP
Duplex	Color	Catalog Number	
Flush, nylon face, back and side wired, multiple drive screws.	Black	–	**HBL5462BK**
	Brown	**HBL5662**	**HBL5462**
	Gray	–	**HBL5462GY**
	Ivory	**HBL5662I**	**HBL5462I**
	Red	–	**HBL5462R**
Isolated ground[A].	Orange	**IG5662**	**IG5462**
Single			
Flush, nylon face, back and side wired.	Brown	**HBL5661**	**HBL5461**
	Gray	–	**HBL5461GY**
	Ivory	**HBL5661I**	**HBL5461I**
	Red	–	**HBL5461R**
	White	–	**HBL5461W**
Isolated ground[A].	Orange	**IG5661**	**IG5461**
Panel mount 1.94 in. (49.3) centers.	Brown	**HBL5684**	–
Ring terminal connection.	Brown	**HBL5661RT**	–
Duplex and Single Panel Mount			
Flush, nylon duplex face, side wired only.	Brown	**HBL5652**	–
	Ivory	**HBL5652I**	–
Panel mount 1.75 in. (44.5) centers.	Brown	**HBL5658**	–

Note: [A]See section N for additional information on isolated ground devices.
HP ratings are AC only.
See page A-47 for accessories.
See section O for wallplates.

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



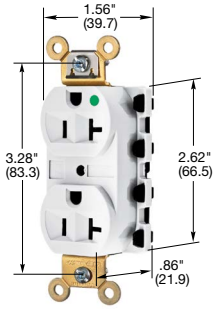
20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Receptacles

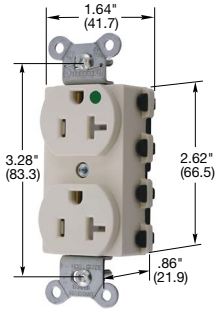
Duplex	Color	Catalog Number	
Hospital grade, finder groove, nylon face, modular receptacle which requires pigtailed connector on page A-15.	Black	**SNAP8200BKA**	**SNAP8300BKA**
	Brown	**SNAP8200A**	**SNAP8300A**
	Gray	**SNAP8200GYA**	**SNAP8300GYA**
	Ivory	**SNAP8200IA**	**SNAP8300IA**
	Light Almond	**SNAP8200LAA**	**SNAP8300LAA**
	Red	**SNAP8200RA**	**SNAP8300RA**
	White	**SNAP8200WA**	**SNAP8300WA**
Hospital grade, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKNA**	**SNAP8300BKNA**
	Brown	**SNAP8200NA**	**SNAP8300NA**
	Gray	**SNAP8200GYNA**	**SNAP8300GYNA**
	Ivory	**SNAP8200INA**	**SNAP8300INA**
	Light Almond	**SNAP8200LANA**	**SNAP8300LANA**
	Red	**SNAP8200RNA**	**SNAP8300RNA**
	White	**SNAP8200WNA**	**SNAP8300WNA**
Hospital grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKTRA**	**SNAP8300BKTRA**
	Brown	**SNAP8200TRA**	**SNAP8300TRA**
	Gray	**SNAP8200GYTRA**	**SNAP8300GYTRA**
	Ivory	**SNAP8200ITRA**	**SNAP8300ITRA**
	Light Almond	**SNAP8200LATRA**	**SNAP8300LATRA**
	Red	**SNAP8200RTRA**	**SNAP8300RTRA**
	White	**SNAP8200WTRA**	**SNAP8300WTRA**
Hospital grade, Tamper-Resistant, Split Circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKSCTRA**	**SNAP8300BKSCTRA**
	Brown	**SNAP8200SCTRA**	**SNAP8300SCTRA**
	Gray	**SNAP8200GYSCTRA**	**SNAP8300GYSCTRA**
	Ivory	**SNAP8200ISCTRA**	**SNAP8300ISCTRA**
	Light Almond	**SNAP8200LASCTRA**	**SNAP8300LASCTRA**
	Red	**SNAP8200RSCTRA**	**SNAP8300RSCTRA**
	White	**SNAP8200WSCTRA**	**SNAP8300WSCTRA**
Isolated ground[Δ], Hospital grade, Tamper-Resistant.	Orange	**SNAP8200IGTRA**	**SNAP8300IGTRA**
	Red	**SNAP8200RIGTRA**	**SNAP8300RIGTRA**
Hospital grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKL**	**SNAP8300BKL**
	Brown	**SNAP8200L**	**SNAP8300L**
	Gray	**SNAP8200GYL**	**SNAP8300GYL**
	Ivory	**SNAP8200IL**	**SNAP8300IL**
	Light Almond	**SNAP8200LAL**	**SNAP8300LAL**
	Red	**SNAP8200RL**	**SNAP8300RL**
	White	**SNAP8200WL**	**SNAP8300WL**
Isolated ground[Δ], Hospital grade, with Power Indicating LED.	Orange	**SNAP8200IGL**	**SNAP8300IGL**
	Red	**SNAP8200RIGL**	**SNAP8300RIGL**
Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP8200BKLTRA**	**SNAP8300BKLTRA**
	Brown	**SNAP8200LTRA**	**SNAP8300LTRA**
	Gray	**SNAP8200GYLTRA**	**SNAP8300GYLTRA**
	Ivory	**SNAP8200ILTRA**	**SNAP8300ILTRA**
	Light Almond	**SNAP8200LALTRA**	**SNAP8300LALTRA**
	Red	**SNAP8200RLTRA**	**SNAP8300RLTRA**
	White	**SNAP8200WLTRA**	**SNAP8300WLTRA**
Hospital grade, Tamper-Resistant, with Power Indicating Face, smooth face, modular receptacle which requires pigtailed connector on page A-15.	Gray	**SNAP8200GYLTR**	**SNAP8300GYLTR**
	Ivory	**SNAP8200ILTR**	**SNAP8300ILTR**
	Red	**SNAP8200RLTR**	**SNAP8300RLTR**
	White	**SNAP8200WLTR**	**SNAP8300WLTR**
Isolated ground[Δ], Hospital grade, TR with Power Indicating LED.	Orange	**SNAP8200IGLTRA**	**SNAP8300IGLTRA**
	Red	**SNAP8200RIGLTRA**	**SNAP8300RIGLTRA**

SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Single Receptacles

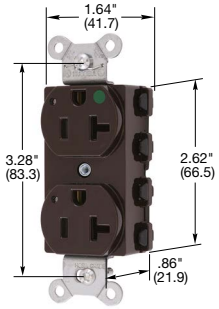
	Hospital Grade ●		Hospital Grade ● Tamper-Resistant	
Color	15A 125V	20A 125V	15A 125V	20A 125V
Black	**SNAP8210BK**	**SNAP8310BK**	**SNAP8210BKTR**	**SNAP8310BKTR**
Blue	**SNAP8210BL**	**SNAP8310BL**	**SNAP8210BLTR**	**SNAP8310BLTR**
Brown	**SNAP8210**	**SNAP8310**	**SNAP8210TR**	**SNAP8310TR**
Gray	**SNAP8210GY**	**SNAP8310GY**	**SNAP8210GYTR**	**SNAP8310GYTR**
Ivory	**SNAP8210I**	**SNAP8310I**	**SNAP8210ITR**	**SNAP8310ITR**
Light Almond	**SNAP8210LA**	**SNAP8310LA**	**SNAP8210LATR**	**SNAP8310LATR**
Red	**SNAP8210R**	**SNAP8310R**	**SNAP8210RTR**	**SNAP8310RTR**
White	**SNAP8210W**	**SNAP8310W**	**SNAP8210WTR**	**SNAP8310WTR**



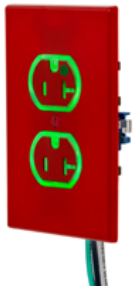
SNAP8300WA



SNAP8300LATRA



SNAP8300L



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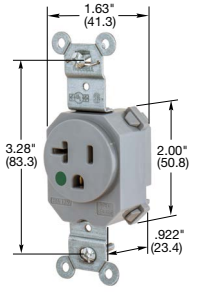
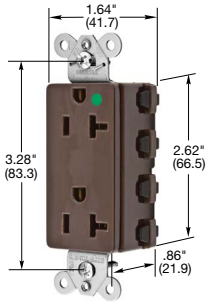


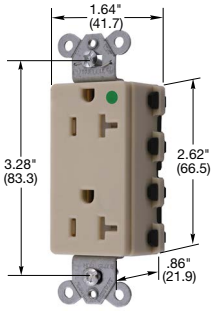
SNAP8310GY

Dimensions in Inches (mm)

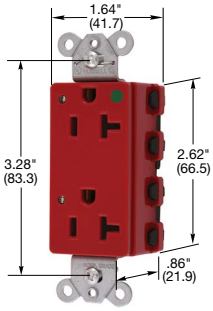
15 and 20 Ampere, 125 Volts



SNAP2182A



SNAP2182ITRA



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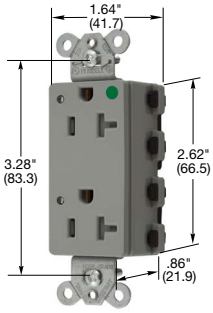
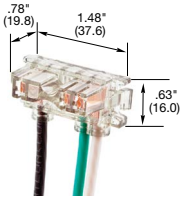


SNAP2182GYLTRA



SNAP1RA

Dimensions in Inches (mm)

IP20 SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Receptacles

Style Line® Decorator	Color	Catalog Number	
Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15.	Black	**SNAP2172BKA**	**SNAP2182BKA**
	Brown	**SNAP2172A**	**SNAP2182A**
	Gray	**SNAP2172GYA**	**SNAP2182GYA**
	Ivory	**SNAP2172IA**	**SNAP2182IA**
	Light Almond	**SNAP2172LAA**	**SNAP2182LAA**
	Red	**SNAP2172RA**	**SNAP2182RA**
	White	**SNAP2172WA**	**SNAP2182WA**
Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP2172BKNA**	**SNAP2182BKNA**
	Brown	**SNAP2172NA**	**SNAP2182NA**
	Gray	**SNAP2172GYNA**	**SNAP2182GYNA**
	Ivory	**SNAP2172INA**	**SNAP2182INA**
	Light Almond	**SNAP2172LANA**	**SNAP2182LANA**
	Red	**SNAP2172RNA**	**SNAP2182RNA**
	White	**SNAP2172WNA**	**SNAP2182WNA**
TR Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP2172BKTRA**	**SNAP2182BKTRA**
	Brown	**SNAP2172TRA**	**SNAP2182TRA**
	Gray	**SNAP2172GYTRA**	**SNAP2182GYTRA**
	Ivory	**SNAP2172ITRA**	**SNAP2182ITRA**
	Light Almond	**SNAP2172LATRA**	**SNAP2182LATRA**
	Red	**SNAP2172RTRA**	**SNAP2182RTRA**
	White	**SNAP2172WTRA**	**SNAP2182WTRA**
TR Hospital grade, Tamper-Resistant, Split Circuit, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP2172BKSCTRA**	**SNAP2182BKSCTRA**
	Brown	**SNAP2172SCTRA**	**SNAP2182SCTRA**
	Gray	**SNAP2172GYSCTRA**	**SNAP2182GYSCTRA**
	Ivory	**SNAP2172ISCTRA**	**SNAP2182ISCTRA**
	Light Almond	**SNAP2172LASCTRA**	**SNAP2182LASCTRA**
	Red	**SNAP2172RSCTRA**	**SNAP2182RSCTRA**
	White	**SNAP2172WSCTRA**	**SNAP2182WSCTRA**
Isolated ground[Δ], Hospital grade, Tamper-Resistant.	Orange	**SNAP2172IGTRA**	**SNAP2182IGTRA**
	Red	**SNAP2172RIGTRA**	**SNAP2182RIGTRA**
PWR Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP2172BKL**	**SNAP2182BKL**
	Brown	**SNAP2172L**	**SNAP2182L**
	Gray	**SNAP2172GYL**	**SNAP2182GYL**
	Ivory	**SNAP2172IL**	**SNAP2182IL**
	Light Almond	**SNAP2172LAL**	**SNAP2182LAL**
	Red	**SNAP2172RL**	**SNAP2182RL**
	White	**SNAP2172WL**	**SNAP2182WL**
Isolated ground[Δ], Hospital grade, with Power Indicating LED.	Orange	**SNAP2172IGL**	**SNAP2182IGL**
	Red	**SNAP2172RIGL**	**SNAP2182RIGL**
PWR TR Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	**SNAP2172BKLTRA**	**SNAP2182BKLTRA**
	Brown	**SNAP2172LTRA**	**SNAP2182LTRA**
	Gray	**SNAP2172GYLTRA**	**SNAP2182GYLTRA**
	Ivory	**SNAP2172ILTRA**	**SNAP2182ILTRA**
	Light Almond	**SNAP2172LALTRA**	**SNAP2182LALTRA**
	Red	**SNAP2172RLTRA**	**SNAP2182RLTRA**
	White	**SNAP2172WLTRA**	**SNAP2182WLTRA**
Isolated ground[Δ], Hospital grade, TR with Power Indicating LED.	Orange	**SNAP2172IGLTRA**	**SNAP2182IGLTRA**
	Red	**SNAP2172RIGLTRA**	**SNAP2182RIGLTRA**

Note: ΔSee section N additional information on isolated ground devices and section O for wallplates.
See page A-5 for additional information on SNAPConnect features.
See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.
See pages A-47 and A-48 for accessories.

SNAP*Connect*® Right Angle Pigtailed Connector

Description	Wire Type	General Use	Assembled in USA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	**SNAP1RAM2**	**SNAP1RNAM2**
	Stranded	**SNAP2RAM2**	**SNAP2RNAM2**

Note: For Assembled in USA products, must order connector with NA suffix.

15 and 20 Ampere, 125 Volts



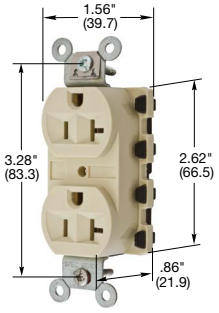
15A 125V
NEMA 5-15R
UL CSA
0.5 HP



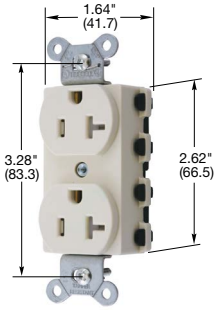
20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAP*Connect*® Extra Heavy Duty Receptacles

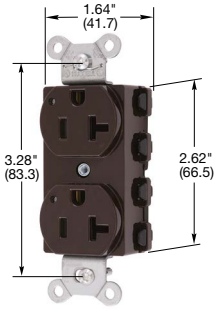
Duplex	Color	Catalog Number	
Specification grade, finder groove, nylon face, modular receptacle which requires pigtailed connector on page A-13.	Black	**SNAP5262BKA**	**SNAP5362BKA**
	Brown	**SNAP5262A**	**SNAP5362A**
	Gray	**SNAP5262GYA**	**SNAP5362GYA**
	Ivory	**SNAP5262IA**	**SNAP5362IA**
	Light Almond	**SNAP5262LAA**	**SNAP5362LAA**
	Red	**SNAP5262RA**	**SNAP5362RA**
	White	**SNAP5262WA**	**SNAP5362WA**
Specification grade, smooth, nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black	**SNAP5262BKNA**	**SNAP5362BKNA**
	Brown	**SNAP5262NA**	**SNAP5362NA**
	Gray	**SNAP5262GYNA**	**SNAP5362GYNA**
	Ivory	**SNAP5262INA**	**SNAP5362INA**
	Light Almond	**SNAP5262LANA**	**SNAP5362LANA**
	Red	**SNAP5262RNA**	**SNAP5362RNA**
	White	**SNAP5262WNA**	**SNAP5362WNA**
Specification grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black	**SNAP5262BKTRA**	**SNAP5362BKTRA**
	Blue	**SNAP5262BLTRA**	**SNAP5362BLTRA**
	Brown	**SNAP5262TRA**	**SNAP5362TRA**
	Gray	**SNAP5262GYTRA**	**SNAP5362GYTRA**
	Ivory	**SNAP5262ITRA**	**SNAP5362ITRA**
	Light Almond	**SNAP5262LATRA**	**SNAP5362LATRA**
	Red	**SNAP5262RTRA**	**SNAP5362RTRA**
	White	**SNAP5262WTRA**	**SNAP5362WTRA**
Specification grade, Tamper-Resistant, Split Circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black	**SNAP5262BKSCTRA**	**SNAP5362BKSCTRA**
	Blue	**SNAP5262BLSCTRA**	**SNAP5362BLSCTRA**
	Brown	**SNAP5262SCTRA**	**SNAP5362SCTRA**
	Gray	**SNAP5262GYSCTRA**	**SNAP5362GYSCTRA**
	Ivory	**SNAP5262ISCTRA**	**SNAP5362ISCTRA**
	Light Almond	**SNAP5262LASCTRA**	**SNAP5362LASCTRA**
	Red	**SNAP5262RSCTRA**	**SNAP5362RSCTRA**
	White	**SNAP5262WSCTRA**	**SNAP5362WSCTRA**
Isolated ground[Δ], Specification grade, Tamper-Resistant.	Orange	**SNAP5262IGTRA**	**SNAP5362IGTRA**
Spec. grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black	**SNAP5262BKL**	**SNAP5362BKL**
	Blue	**SNAP5262BLL**	**SNAP5362BLL**
	Brown	**SNAP5262L**	**SNAP5362L**
	Gray	**SNAP5262GYL**	**SNAP5362GYL**
	Ivory	**SNAP5262IL**	**SNAP5362IL**
	Light Almond	**SNAP5262LAL**	**SNAP5362LAL**
	Red	**SNAP5262RL**	**SNAP5362RL**
	White	**SNAP5262WL**	**SNAP5362WL**
Isolated ground[Δ], Specification grade, with Power Indicating LED.	Orange	**SNAP5262IGL**	**SNAP5362IGL**
Specification grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black	**SNAP5262BKLTRA**	**SNAP5362BKLTRA**
	Blue	**SNAP5262BLLTRA**	**SNAP5362BLLTRA**
	Brown	**SNAP5262LTRA**	**SNAP5362LTRA**
	Gray	**SNAP5262GYLTRA**	**SNAP5362GYLTRA**
	Ivory	**SNAP5262ILTRA**	**SNAP5362ILTRA**
	Light Almond	**SNAP5262LALTRA**	**SNAP5362LALTRA**
	Red	**SNAP5262RLTRA**	**SNAP5362RLTRA**
	White	**SNAP5262WLTRA**	**SNAP5362WLTRA**
Isolated ground[Δ], Specification grade, TR with Power Indicating LED.	Orange	**SNAP5262IGLTRA**	**SNAP5362IGLTRA**



SNAP5362IA



SNAP5362LA-



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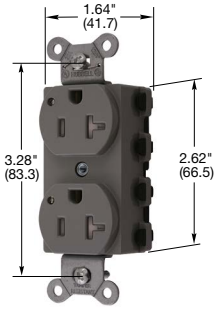
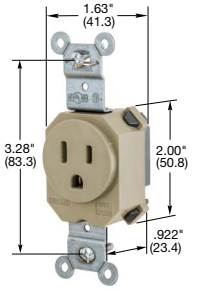


SNAP5362GYLTRA

SNAP*Connect*® Extra Heavy Duty Standard Single Receptacles

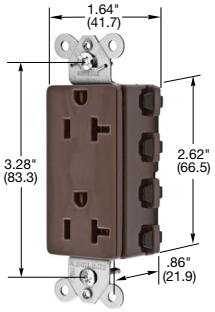
	Standard Duplex		Standard Duplex Tamper-Resistant	
Color	15A 125V	20A 125V	15A 125V	20A 125V
Black	**SNAP5261BK**	**SNAP5361BK**	**SNAP5261BKTR**	**SNAP5361BKTR**
Blue	**SNAP5261BL**	**SNAP5361BL**	**SNAP5261BLTR**	**SNAP5361BLTR**
Brown	**SNAP5261**	**SNAP5361**	**SNAP5261TR**	**SNAP5361TR**
Gray	**SNAP5261GY**	**SNAP5361GY**	**SNAP5261GYTR**	**SNAP5361GYTR**
Ivory	**SNAP5261I**	**SNAP5361I**	**SNAP5261ITR**	**SNAP5361ITR**
Light Almond	**SNAP5261LA**	**SNAP5361LA**	**SNAP5261LATR**	**SNAP5361LATR**
Red	**SNAP5261R**	**SNAP5361R**	**SNAP5261RTR**	**SNAP5361RTR**
White	**SNAP5261W**	**SNAP5361W**	**SNAP5261WTR**	**SNAP5361WTR**



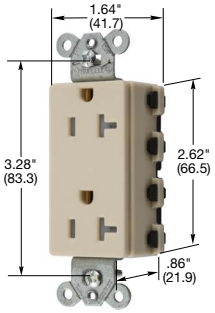
SNAP5261I

Dimensions in Inches (mm)

15 and 20 Ampere, 125 and 250 Volts



SNAP2162A



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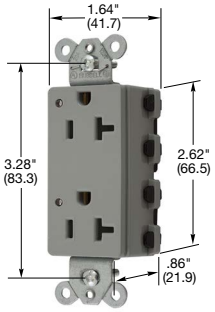

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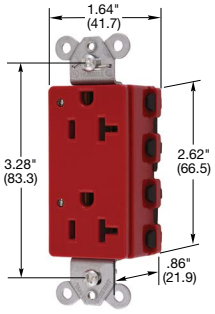

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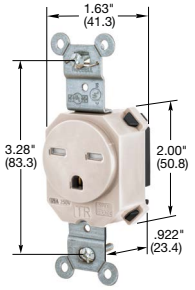


SNAP5661LATR

Dimensions in Inches (mm)



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAP*Connect*® Extra Heavy Duty Receptacles

Style Line® Decorator	Color	Catalog Number	
Specification grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below.	Black	**SNAP2152BKA**	**SNAP2162BKA**
	Brown	**SNAP2152A**	**SNAP2162A**
	Gray	**SNAP2152GYA**	**SNAP2162GYA**
	Ivory	**SNAP2152IA**	**SNAP2162IA**
	Light Almond	**SNAP2152LAA**	**SNAP2162LAA**
	Red	**SNAP2152RA**	**SNAP2162RA**
	White	**SNAP2152WA**	**SNAP2162WA**
Specification grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2152BKNA**	**SNAP2162BKNA**
	Brown	**SNAP2152NA**	**SNAP2162NA**
	Gray	**SNAP2152GYNA**	**SNAP2162GYNA**
	Ivory	**SNAP2152INA**	**SNAP2162INA**
	Light Almond	**SNAP2152LANA**	**SNAP2162LANA**
	Red	**SNAP2152RNA**	**SNAP2162RNA**
	White	**SNAP2152WNA**	**SNAP2162WNA**
Specification grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2152BKTRA**	**SNAP2162BKTRA**
	Blue	**SNAP2152BLTRA**	**SNAP2162BLTRA**
	Brown	**SNAP2152TRA**	**SNAP2162TRA**
	Gray	**SNAP2152GYTRA**	**SNAP2162GYTRA**
	Ivory	**SNAP2152ITRA**	**SNAP2162ITRA**
	Light Almond	**SNAP2152LATRA**	**SNAP2162LATRA**
	Red	**SNAP2152RTRA**	**SNAP2162RTRA**
	White	**SNAP2152WTRA**	**SNAP2162WTRA**
Specification grade, Tamper-Resistant, Split Circuit, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2152BKSCTRA**	**SNAP2162BKSCTRA**
	Blue	**SNAP2152BLSCTRA**	**SNAP2162BLSCTRA**
	Brown	**SNAP2152SCTRA**	**SNAP2162SCTRA**
	Gray	**SNAP2152GYSCTRA**	**SNAP2162GYSCTRA**
	Ivory	**SNAP2152ISCTRA**	**SNAP2162ISCTRA**
	Light Almond	**SNAP2152LASCTRA**	**SNAP2162LASCTRA**
	Red	**SNAP2152RSCTRA**	**SNAP2162RSCTRA**
	White	**SNAP2152WSCTRA**	**SNAP2162WSCTRA**
Isolated ground[Δ], Spec. grade, TR.	Orange	**SNAP2152IGTRA**	**SNAP2162IGTRA**
Spec. grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2152BKL**	**SNAP2162BKL**
	Blue	**SNAP2152BLL**	**SNAP2162BLL**
	Brown	**SNAP2152L**	**SNAP2162L**
	Gray	**SNAP2152GYL**	**SNAP2162GYL**
	Ivory	**SNAP2152IL**	**SNAP2162IL**
	Light Almond	**SNAP2152LAL**	**SNAP2162LAL**
	Red	**SNAP2152RL**	**SNAP2162RL**
	White	**SNAP2152WL**	**SNAP2162WL**
Isolated ground[Δ], Spec. grade, with LED.	Orange	**SNAP2152IGL**	**SNAP2162IGL**
Specification grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black	**SNAP2152BKLTRA**	**SNAP2162BKLTRA**
	Blue	**SNAP2152BLLTRA**	**SNAP2162BLLTRA**
	Brown	**SNAP2152LTRA**	**SNAP2162LTRA**
	Gray	**SNAP2152GYLTRA**	**SNAP2162GYLTRA**
	Ivory	**SNAP2152ILTRA**	**SNAP2162ILTRA**
	Light Almond	**SNAP2152LALTRA**	**SNAP2162LALTRA**
	Red	**SNAP2152RLTRA**	**SNAP2162RLTRA**
	White	**SNAP2152WLTRA**	**SNAP2162WLTRA**
Isolated ground[Δ], Spec. grade, TR with LED.	Orange	**SNAP2152IGLTRA**	**SNAP2162IGLTRA**

Note: [Δ]See section N additional information on isolated ground devices.
See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.
See pages A-47 and A-48 for accessories.
See section O for wallplates.

SNAP*Connect*® 250V Extra Heavy Duty Standard Single Receptacles

Description	Color	15A 250V	20A 250V
Spec. grade, single modular receptacle Tamper-Resistant, smooth nylon face. Requires pigtailed connector on page A-13.	Black	**SNAP5661BKTR**	**SNAP5461BKTR**
	Brown	**SNAP5661BTR**	**SNAP5461BTR**
	Gray	**SNAP5661GYTR**	**SNAP5461GYTR**
	Ivory	**SNAP5661ITR**	**SNAP5461ITR**
	Light Almond	**SNAP5661LATR**	**SNAP5461LATR**
	White	**SNAP5661WTR**	**SNAP5461WTR**

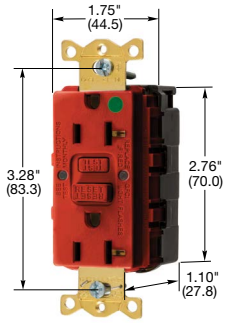
15 and 20 Ampere, 125 Volts

Meets UL Standard 943 Class A GFCI

Fed.Spec.

SNAP*Connect*® GFCI LED Hospital Grade ●

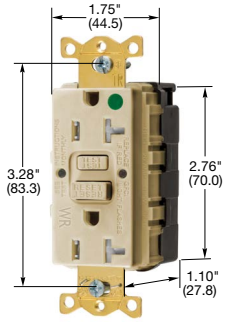
Description	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Hospital Grade SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately.	Black	-	**GFRST83SNAPBK**
	Brown	-	**GFRST83SNAP**
	Gray	-	**GFRST83SNAPGY**
	Ivory	**GFRST82SNAPI**	**GFRST83SNAPI**
	Light Almond	**GFRST82SNAPLA**	**GFRST83SNAPLA**
	Red	**GFRST82SNAPR**	**GFRST83SNAPR**
	White	**GFRST82SNAPW**	**GFRST83SNAPW**



GFRST83SNAPR

SNAP*Connect*® GFCI LED Hospital Grade ● Tamper and Weather Resistant

Description	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Hospital Grade SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately.	Black	-	**GFTWRST83SNAPBK**
	Brown	-	**GFTWRST83SNAP**
	Gray	**GFTWRST82SNAPGY**	**GFTWRST83SNAPGY**
	Ivory	**GFTWRST82SNAPI**	**GFTWRST83SNAPI**
	Light Almond	**GFTWRST82SNAPLA**	**GFTWRST83SNAPLA**
	Red	**GFTWRST82SNAPR**	**GFTWRST83SNAPR**
	White	**GFTWRST82SNAPW**	**GFTWRST83SNAPW**

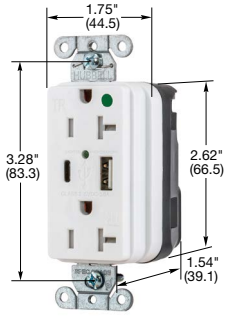


GFTWRST83SNAPI

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

SNAP*Connect*® USB Charger Hospital Grade ● Duplex Receptacles

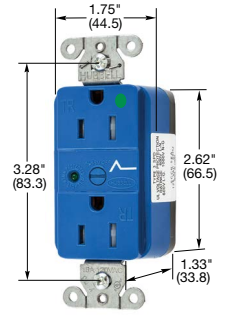
Description	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Hospital Grade SNAP*Connect* USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output.	Black	**SNAP8200UACBK**	**SNAP8300UACBK**
	Brown	**SNAP8200UAC**	**SNAP8300UAC**
	Gray	**SNAP8200UACGY**	**SNAP8300UACGY**
	Ivory	**SNAP8200UACI**	**SNAP8300UACI**
	Light Almond	**SNAP8200UACLA**	**SNAP8300UACLA**
	Red	**SNAP8200UACR**	**SNAP8300UACR**
	White	**SNAP8200UACW**	**SNAP8300UACW**



SNAP8300UACW

SNAP*Connect*® Surge Protection Hospital Grade ● Tamper-Resistant Receptacle with Power Indicating LED

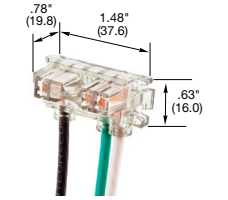
Description	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Hospital Grade SNAP*Connect* Surge supression, Tamper-Resistant, smooth face, duplex receptacle.	Blue	**SNAP8262S**	**SNAP8362S**
	Gray	**SNAP8262GYS**	**SNAP8362GYS**
	Ivory	**SNAP8262IS**	**SNAP8362IS**
	Light Almond	**SNAP8262LAS**	**SNAP8362LAS**
	Red	**SNAP8262RS**	**SNAP8362RS**
	White	**SNAP8262WS**	**SNAP8362WS**



SNAP8262S

SNAP*Connect*® Right Angle Pigtailed Connector

Description	Wire Type	General Use	Assembled in USA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	**SNAP1RAM2**	**SNAP1RNAM2**
	Stranded	**SNAP2RAM2**	**SNAP2RNAM2**

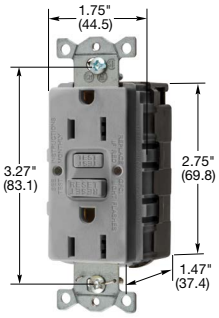


SNAP1RA

Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts



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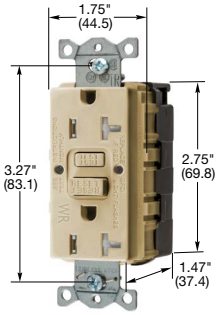

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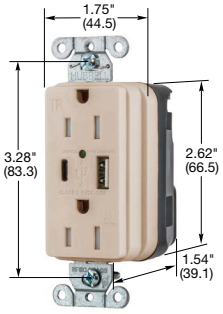
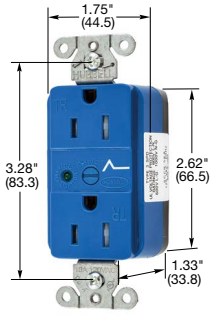
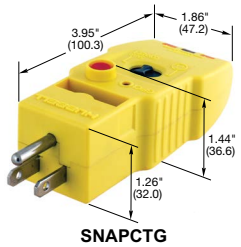


SNAP15UACLA



SNAP5262S



SNAPCTG

Dimensions in Inches (mm)



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Meets UL Standard 943 Class A GFCI

Fed.Spec.

SNAP*Connect*® GFCI LED

Description	Color	Catalog Number	
SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA.	Black	**GFRST15SNAPBK**	**GFRST20SNAPBK**
	Brown	**GFRST15SNAP**	**GFRST20SNAP**
	Gray	**GFRST15SNAPGY**	**GFRST20SNAPGY**
	Ivory	**GFRST15SNAPI**	**GFRST20SNAPI**
	Light Almond	**GFRST15SNAPLA**	**GFRST20SNAPLA**
	Red	**GFRST15SNAPR**	**GFRST20SNAPR**
	White	**GFRST15SNAPW**	**GFRST20SNAPW**

SNAP*Connect*® GFCI LED, Tamper and Weather Resistant

Description	Color	Catalog Number	
SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA.	Black	**GFTWRST15SNAPBK**	**GFTWRST20SNAPBK**
	Brown	**GFTWRST15SNAP**	**GFTWRST20SNAP**
	Gray	**GFTWRST15SNAPGY**	**GFTWRST20SNAPGY**
	Ivory	**GFTWRST15SNAPI**	**GFTWRST20SNAPI**
	Light Almond	**GFTWRST15SNAPLA**	**GFTWRST20SNAPLA**
	Red	**GFTWRST15SNAPR**	**GFTWRST20SNAPR**
	White	**GFTWRST15SNAPW**	**GFTWRST20SNAPW**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAP*Connect*® USB Charger, Duplex Receptacles

Description	Color	Catalog Number	
SNAP*Connect* USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output.	Black	**SNAP15UACBK**	**SNAP20UACBK**
	Brown	**SNAP15UAC**	**SNAP20UAC**
	Gray	**SNAP15UACGY**	**SNAP20UACGY**
	Ivory	**SNAP15UACI**	**SNAP20UACI**
	Light Almond	**SNAP15UACLA**	**SNAP20UACLA**
	White	**SNAP15UACW**	**SNAP20UACW**



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAP*Connect*® Surge Protection, Tamper-Resistant Receptacle with Power Indicating LED

Description	Color	Catalog Number	
SNAP*Connect* Surge supression, Tamper-Resistant, smooth face, duplex receptacle.	Blue	**SNAP5262S**	**SNAP5362S**
	Gray	**SNAP5262GYS**	**SNAP5362GYS**
	Ivory	**SNAP5262IS**	**SNAP5362IS**
	Light Almond	**SNAP5262LAS**	**SNAP5362LAS**
	White	**SNAP5262WS**	**SNAP5362WS**

SNAP*Connect*® Tester

Description	Catalog Number
Circuit Tester for SNAPConnect receptacle terminals, GFCI and standard receptacles.	**SNAPCTG**

Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

EdgeConnect™ HBL® Extra Heavy Duty Max Hospital Grade ● Receptacles

Duplex	Color	Catalog Number	
Hospital Grade, Finder Groove Face, Spring Termination	Black	**HBL8200STBK**	**HBL8300STBK**
	Blue	**HBL8200STBL**	**HBL8300STBL**
	Brown	**HBL8200ST**	**HBL8300ST**
	Gray	**HBL8200STGY**	**HBL8300STGY**
	Green	**HBL8200STGN**	**HBL8300STGN**
	Ivory	**HBL8200STI**	**HBL8300STI**
	Light Almond	**HBL8200STLA**	**HBL8300STLA**
	Orange	**HBL8200STO**	**HBL8300STO**
	Red	**HBL8200STR**	**HBL8300STR**
	White	**HBL8200STW**	**HBL8300STW**

EdgeConnect™ Style Line® Decorator*

Hospital Grade, Decorator, Spring Termination	Black	**HBL2172STBK**	**HBL2182STBK**
	Blue	**HBL2172STBL**	**HBL2182STBL**
	Brown	**HBL2172ST**	**HBL2182ST**
	Gray	**HBL2172STGY**	**HBL2182STGY**
	Green	**HBL2172STGN**	**HBL2182STGN**
	Ivory	**HBL2172STI**	**HBL2182STI**
	Light Almond	**HBL2172STLA**	**HBL2182STLA**
	Orange	**HBL2172STO**	**HBL2182STO**
	Red	**HBL2172STR**	**HBL2182STR**
	White	**HBL2172STW**	**HBL2182STW**
Hospital Grade, Tamper-Resistant, Decorator, Spring Termination	Black	**HBL2172STBKTR**	**HBL2182STBKTR**
	Blue	**HBL2172STBLTR**	**HBL2182STBLTR**
	Brown	**HBL2172STTR**	**HBL2182STTR**
	Gray	**HBL2172STGYTR**	**HBL2182STGYTR**
	Green	**HBL2172STGNTR**	**HBL2182STGNTR**
	Ivory	**HBL2172STITR**	**HBL2182STITR**
	Light Almond	**HBL2172STLATR**	**HBL2182STLATR**
	Orange	**HBL2172STOTR**	**HBL2182STOTR**
	Red	**HBL2172STRTR**	**HBL2182STRTR**
	White	**HBL2172STWTR**	**HBL2182STWTR**

EdgeConnect™ HBL® Extra Heavy Duty Max Specification Grade Receptacles

Duplex	Color	Catalog Number	
Finder Groove Face, Spring Termination	Black	**HBL5262STBK**	**HBL5362STBK**
	Blue	**HBL5262STBL**	**HBL5362STBL**
	Brown	**HBL5262ST**	**HBL5362ST**
	Gray	**HBL5262STGY**	**HBL5362STGY**
	Green	**HBL5262STGN**	**HBL5362STGN**
	Ivory	**HBL5262STI**	**HBL5362STI**
	Light Almond	**HBL5262STLA**	**HBL5362STLA**
	Orange	**HBL5262STO**	**HBL5362STO**
	Red	**HBL5262STR**	**HBL5362STR**
	White	**HBL5262STW**	**HBL5362STW**
Tamper-Resistant, Smooth Face, Spring Termination	Black	**HBL5262STBKTR**	**HBL5362STBKTR**
	Blue	**HBL5262STBLTR**	**HBL5362STBLTR**
	Brown	**HBL5262STTR**	**HBL5362STTR**
	Gray	**HBL5262STGYTR**	**HBL5362STGYTR**
	Green	**HBL5262STGNTR**	**HBL5362STGNTR**
	Ivory	**HBL5262STITR**	**HBL5362STITR**
	Light Almond	**HBL5262STLATR**	**HBL5362STLATR**
	Orange	**HBL5262STOTR**	**HBL5362STOTR**
	Red	**HBL5262STRTR**	**HBL5362STRTR**
	White	**HBL5262STWTR**	**HBL5362STWTR**



HBL8200STBK



HBL2182STGY



HBL2172STOTR



HBL2182STRTR



HBL5362STBK

Dimensions in Inches (mm)

15 and 20 Ampere, 125 and 250 Volts



HBL5262STGYTR



HBL2152STBK



HBL2162STLA



8200STGY



8300STTR

Dimensions in Inches (mm)



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

EdgeConnect™ HBL® Extra Heavy Duty Max Specification Grade Receptacles

Style Line® Decorator*

Decorator, Spring Termination	Black	**HBL2152STBK**	**HBL2162STBK**
	Blue	**HBL2152STBL**	**HBL2162STBL**
	Brown	**HBL2152ST**	**HBL2162ST**
	Gray	**HBL2152STGY**	**HBL2162STGY**
	Green	**HBL2152STGN**	**HBL2162STGN**
	Ivory	**HBL2152STI**	**HBL2162STI**
	Light Almond	**HBL2152STLA**	**HBL2162STLA**
	Orange	**HBL2152STO**	**HBL2162STO**
	Red	**HBL2152STR**	**HBL2162STR**
	White	**HBL2152STW**	**HBL2162STW**
Tamper-Resistant, Decorator, Spring Termination	Black	**HBL2152STBKTR**	**HBL2162STBKTR**
	Blue	**HBL2152STBLTR**	**HBL2162STBLTR**
	Brown	**HBL2152STTR**	**HBL2162STTR**
	Gray	**HBL2152STGYTR**	**HBL2162STGYTR**
	Green	**HBL2152STGNTR**	**HBL2162STGNTR**
	Ivory	**HBL2152STITR**	**HBL2162STITR**
	Light Almond	**HBL2152STLATR**	**HBL2162STLATR**
	Orange	**HBL2152STOTR**	**HBL2162STOTR**
	Red	**HBL2152STRTR**	**HBL2162STRTR**
	White	**HBL2152STWTR**	**HBL2162STWTR**

EdgeConnect™ Hubbell-PRO Extra Heavy Duty Hospital Grade ● Receptacles

Duplex	Color	Catalog Number	
Hospital Grade, Smooth Face, Spring Termination	Black	**8200STBK**	**8300STBK**
	Blue	**8200STBL**	**8300STBL**
	Brown	**8200ST**	**8300ST**
	Gray	**8200STGY**	**8300STGY**
	Green	**8200STGN**	**8300STGN**
	Ivory	**8200STI**	**8300STI**
	Light Almond	**8200STLA**	**8300STLA**
	Orange	**8200STO**	**8300STO**
	Red	**8200STR**	**8300STR**
	White	**8200STW**	**8300STW**
Hospital Grade, Tamper-Resistant, Smooth Face, Spring Termination	Black	**8200STBKTR**	**8300STBKTR**
	Blue	**8200STBLTR**	**8300STBLTR**
	Brown	**8200STTR**	**8300STTR**
	Gray	**8200STGYTR**	**8300STGYTR**
	Green	**8200STGNTR**	**8300STGNTR**
	Ivory	**8200STITR**	**8300STITR**
	Light Almond	**8200STLATR**	**8300STLATR**
	Orange	**8200STOTR**	**8300STOTR**
	Red	**8200STRTR**	**8300STRTR**
	White	**8200STWTR**	**8300STWTR**

EdgeConnect™ Hubbell-PRO Extra Heavy Duty Specification Grade Receptacles

Smooth face, duplex, spring termination	Black	**5252STBK**	**5352STBK**
	Blue	**5252STBL**	**5352STBL**
	Brown	**5252ST**	**5352ST**
	Gray	**5252STGY**	**5352STGY**
	Green	**5252STGN**	**5352STGN**
	Ivory	**5252STI**	**5352STI**
	Light Almond	**5252STLA**	**5352STLA**
	Orange	**5252STO**	**5352STO**
	Red	**5252STR**	**5352STR**
	White	**5252STW**	**5352STW**

Straight Blade Devices

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

EdgeConnect™ Hubbell-PRO Extra Heavy Duty Specification Grade Receptacles

Finder Groove face, duplex, spring termination	Black	**5262STBK**	**5362STBK**
	Blue	**5262STBL**	**5362STBL**
	Brown	**5262ST**	**5362ST**
	Gray	**5262STGY**	**5362STGY**
	Green	**5262STGN**	**5362STGN**
	Ivory	**5262STI**	**5362STI**
	Light Almond	**5262STLA**	**5362STLA**
	Orange	**5262STO**	**5362STO**
	Red	**5262STR**	**5362STR**
	White	**5262STW**	**5362STW**
Tamper-Resistant, smooth face, duplex, spring termination	Black	**5262STBKTR**	**5362STBKTR**
	Blue	**5262STBLTR**	**5362STBLTR**
	Brown	**5262STTR**	**5362STTR**
	Gray	**5262STGYTR**	**5362STGYTR**
	Green	**5262STGNTR**	**5362STGNTR**
	Ivory	**5262STITR**	**5362STITR**
	Light Almond	**5262STLATR**	**5362STLATR**
	Orange	**5262STOTR**	**5362STOTR**
	Red	**5262STRTR**	**5362STRTR**
	White	**5262STWTR**	**5362STWTR**



5362STI



5362STWTR

EdgeConnect™ Commercial Specification Grade Receptacles

Duplex	Color	Catalog Number	
Smooth face, duplex, spring termination	Black	**BR15STBK**	**BR20STBK**
	Blue	**BR15STBL**	**BR20STBL**
	Brown	**BR15ST**	**BR20ST**
	Gray	**BR15STGY**	**BR20STGY**
	Green	**BR15STGN**	**BR20STGN**
	Ivory	**BR15STI**	**BR20STI**
	Light Almond	**BR15STLA**	**BR20STLA**
	Orange	**BR15STO**	**BR20STO**
	Red	**BR15STR**	**BR20STR**
	White	**BR15STW**	**BR20STW**
Tamper-Resistant, smooth face, duplex, spring termination	Black	**BR15STBKTR**	**BR20STBKTR**
	Blue	**BR15STBLTR**	**BR20STBLTR**
	Brown	**BR15STTR**	**BR20STTR**
	Gray	**BR15STGYTR**	**BR20STGYTR**
	Green	**BR15STGNTR**	**BR20STGNTR**
	Ivory	**BR15STITR**	**BR20STITR**
	Light Almond	**BR15STLATR**	**BR20STLATR**
	Orange	**BR15STOTR**	**BR20STOTR**
	Red	**BR15STRTR**	**BR20STRTR**
	White	**BR15STWTR**	**BR20STWTR**



BR20STGY



BR20STWTR

EdgeConnect™ Style Line® Decorator*

Style Line® decorator duplex, spring termination	Black	**DR15STBK**	**DR20STBK**
	Blue	**DR15STBL**	**DR20STBL**
	Brown	**DR15ST**	**DR20ST**
	Gray	**DR15STGY**	**DR20STGY**
	Green	**DR15STGN**	**DR20STGN**
	Ivory	**DR15STI**	**DR20STI**
	Light Almond	**DR15STLA**	**DR20STLA**
	Orange	**DR15STO**	**DR20STO**
	Red	**DR15STR**	**DR20STR**
	White	**DR15STW**	**DR20STW**
Tamper-Resistant, Style Line® decorator duplex, spring termination	Black	**DR15STBKTR**	**DR20STBKTR**
	Blue	**DR15STBLTR**	**DR20STBLTR**
	Brown	**DR15STTR**	**DR20STTR**
	Gray	**DR15STGYTR**	**DR20STGYTR**
	Green	**DR15STGNTR**	**DR20STGNTR**
	Ivory	**DR15STITR**	**DR20STITR**
	Light Almond	**DR15STLATR**	**DR20STLATR**
	Orange	**DR15STOTR**	**DR20STOTR**
	Red	**DR15STRTR**	**DR20STRTR**
	White	**DR15STWTR**	**DR20STWTR**

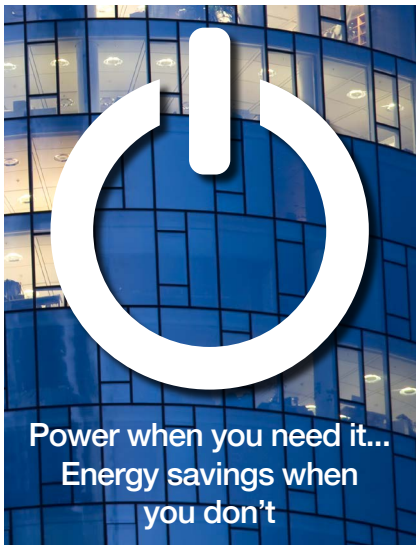


DR20STW

Dimensions in Inches (mm)

Straight Blade Devices

15 and 20 Ampere, 125 Volts

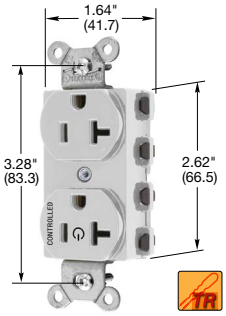




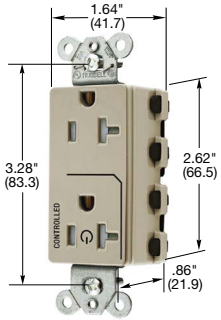
- Permanent power symbol remains clearly visible after installation
- Control both outlets per device for 100% controlled applications or just one outlet for 50% controlled applications
- Ideal for commercial buildings, retail, schools, hotel rooms
- Part of the Hubbell Load:Logic® Plug Control system

SNAP*Connect*® Permanently Marked Receptacles

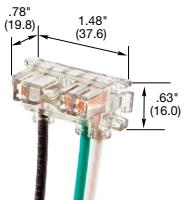
Duplex	Color	One Controlled Face Split Circuit Hot Tab 15 Amp	One Controlled Face Split Circuit Hot Tab 20 Amp	Two Controlled Faces 15 Amp	Two Controlled Faces 20 Amp
SNAP*Connect*® standard duplex, permanently marked for use with automatic plugload controls.	Black	**SNAP5262C1BK**	**SNAP5362C1BK**	**SNAP5262C2BK**	**SNAP5362C2BK**
	Blue	**SNAP5262C1BL**	**SNAP5362C1BL**	**SNAP5262C2BL**	**SNAP5362C2BL**
	Brown	**SNAP5262C1**	**SNAP5362C1**	**SNAP5262C2**	**SNAP5362C2**
	Gray	**SNAP5262C1GY**	**SNAP5362C1GY**	**SNAP5262C2GY**	**SNAP5362C2GY**
	Green	**SNAP5262C1GN**	**SNAP5362C1GN**	**SNAP5262C2GN**	**SNAP5362C2GN**
	Ivory	**SNAP5262C1I**	**SNAP5362C1I**	**SNAP5262C2I**	**SNAP5362C2I**
	Lt. Almond	**SNAP5262C1LA**	**SNAP5362C1LA**	**SNAP5262C2LA**	**SNAP5362C2LA**
	Red	**SNAP5262C1R**	**SNAP5362C1R**	**SNAP5262C2R**	**SNAP5362C2R**
	White	**SNAP5262C1W**	**SNAP5362C1W**	**SNAP5262C2W**	**SNAP5362C2W**
SNAP*Connect*® Tamper-Resistant, standard duplex, permanently marked for use with automatic plugload controls.	Black	**SNAP5262C1BKTRA**	**SNAP5362C1BKTRA**	**SNAP5262C2BKTRA**	**SNAP5362C2BKTRA**
	Brown	**SNAP5262C1TRA**	**SNAP5362C1TRA**	**SNAP5262C2TRA**	**SNAP5362C2TRA**
	Gray	**SNAP5262C1GYTRA**	**SNAP5362C1GYTRA**	**SNAP5262C2GYTRA**	**SNAP5362C2GYTRA**
	Green	**SNAP5262C1GNTRA**	**SNAP5362C1GNTRA**	**SNAP5262C2GNTRA**	**SNAP5362C2GNTRA**
	Ivory	**SNAP5262C1ITRA**	**SNAP5362C1ITRA**	**SNAP5262C2ITRA**	**SNAP5362C2ITRA**
	Lt. Almond	**SNAP5262C1LATRA**	**SNAP5362C1LATRA**	**SNAP5262C2LATRA**	**SNAP5362C2LATRA**
	White	**SNAP5262C1WTRA**	**SNAP5362C1WTRA**	**SNAP5262C2WTRA**	**SNAP5362C2WTRA**
Style Line® Decorator					
SNAP*Connect*® decorator duplex, permanently marked for use with automatic plugload controls.	Black	**SNAP2152C1BK**	**SNAP2162C1BK**	**SNAP2152C2BK**	**SNAP2162C2BK**
	Blue	**SNAP2152C1BL**	**SNAP2162C1BL**	**SNAP2152C2BL**	**SNAP2162C2BL**
	Brown	**SNAP2152C1**	**SNAP2162C1**	**SNAP2152C2**	**SNAP2162C2**
	Gray	**SNAP2152C1GY**	**SNAP2162C1GY**	**SNAP2152C2GY**	**SNAP2162C2GY**
	Green	**SNAP2152C1GN**	**SNAP2162C1GN**	**SNAP2152C2GN**	**SNAP2162C2GN**
	Ivory	**SNAP2152C1I**	**SNAP2162C1I**	**SNAP2152C2I**	**SNAP2162C2I**
	Lt. Almond	**SNAP2152C1LA**	**SNAP2162C1LA**	**SNAP2152C2LA**	**SNAP2162C2LA**
	Red	**SNAP2152C1R**	**SNAP2162C1R**	**SNAP2152C2R**	**SNAP2162C2R**
	White	**SNAP2152C1W**	**SNAP2162C1W**	**SNAP2152C2W**	**SNAP2162C2W**
SNAP*Connect*® Tamper-Resistant, decorator duplex, permanently marked for use with automatic plugload controls.	Black	**SNAP2152C1BKTRA**	**SNAP2162C1BKTRA**	**SNAP2152C2BKTRA**	**SNAP2162C2BKTRA**
	Brown	**SNAP2152C1TRA**	**SNAP2162C1TRA**	**SNAP2152C2TRA**	**SNAP2162C2TRA**
	Gray	**SNAP2152C1GYTRA**	**SNAP2162C1GYTRA**	**SNAP2152C2GYTRA**	**SNAP2162C2GYTRA**
	Green	**SNAP2152C1GNTRA**	**SNAP2162C1GNTRA**	**SNAP2152C2GNTRA**	**SNAP2162C2GNTRA**
	Ivory	**SNAP2152C1ITRA**	**SNAP2162C1ITRA**	**SNAP2152C2ITRA**	**SNAP2162C2ITRA**
	Lt. Almond	**SNAP2152C1LATRA**	**SNAP2162C1LATRA**	**SNAP2152C2LATRA**	**SNAP2162C2LATRA**
	White	**SNAP2152C1WTRA**	**SNAP2162C1WTRA**	**SNAP2152C2WTRA**	**SNAP2162C2WTRA**



SNAP5362C1W



SNAP2162C1ITRA



SNAP1RA

SNAP*Connect*® Right Angle Pigtailed Connector

Description	Solid Wire	Stranded Wire
Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2; Polycarbonate housing material.	**SNAP1RA**	**SNAP2RA**

Permanent Controlled Receptacle Label

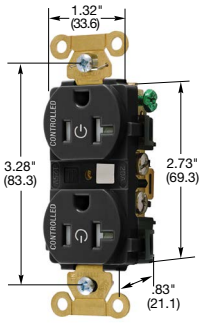
Description	Catalog Number
For use in retrofit applications where indication of a controlled receptacle is required. This label is UL approved for marking and labeling. 60 labels of each per pack.	**CL60**

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

Industrial Grade, Permanently Marked Tamper-Resistant Receptacles

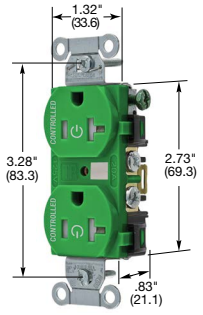
Duplex	Color	One Controlled Face Split Circuit Hot Tab		Two Controlled Faces	
		15 Amp	20 Amp	15 Amp	20 Amp
Smooth nylon face, duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	**HBL5262C1BLKTR**	**HBL5362C1BLKTR**	**HBL5262C2BLKTR**	**HBL5362C2BLKTR**
	Blue	**HBL5262C1BLTR**	**HBL5362C1BLTR**	**HBL5262C2BLTR**	**HBL5362C2BLTR**
	Brown	**HBL5262C1TR**	**HBL5362C1TR**	**HBL5262C2TR**	**HBL5362C2TR**
	Gray	**HBL5262C1GRYTR**	**HBL5362C1GRYTR**	**HBL5262C2GRYTR**	**HBL5362C2GRYTR**
	Ivory	**HBL5262C1ITR**	**HBL5362C1ITR**	**HBL5262C2ITR**	**HBL5362C2ITR**
	Lt. Almond	**HBL5262C1LATR**	**HBL5362C1LATR**	**HBL5262C2LATR**	**HBL5362C2LATR**
	Red	**HBL5262C1RTR**	**HBL5362C1RTR**	**HBL5262C2RTR**	**HBL5362C2RTR**
	White	**HBL5262C1WHITR**	**HBL5362C1WHITR**	**HBL5262C2WHITR**	**HBL5362C2WHITR**



HBL5362C2BLKTR

Permanently Marked Receptacles

Duplex	Color	One Controlled Face Split Circuit Hot Tab		Two Controlled Faces	
		15 Amp	20 Amp	15 Amp	20 Amp
Smooth polycarbonate face, duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	**BR15C1BLK**	**BR20C1BLK**	**BR15C2BLK**	**BR20C2BLK**
	Blue	**BR15C1BL**	**BR20C1BL**	**BR15C2BL**	**BR20C2BL**
	Brown	**BR15C1**	**BR20C1**	**BR15C2**	**BR20C2**
	Gray	**BR15C1GRY**	**BR20C1GRY**	**BR15C2GRY**	**BR20C2GRY**
	Green	**BR15C1GN**	**BR20C1GN**	**BR15C2GN**	**BR20C2GN**
	Ivory	**BR15C1I**	**BR20C1I**	**BR15C2I**	**BR20C2I**
	Lt. Almond	**BR15C1LA**	**BR20C1LA**	**BR15C2LA**	**BR20C2LA**
	Red	**BR15C1R**	**BR20C1R**	**BR15C2R**	**BR20C2R**
	White	**BR15C1WHI**	**BR20C1WHI**	**BR15C2WHI**	**BR20C2WHI**
Smooth polycarbonate face, Tamper-Resistant, duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	**BR15C1BLKTR**	**BR20C1BLKTR**	**BR15C2BLKTR**	**BR20C2BLKTR**
	Blue	**BR15C1BLTR**	**BR20C1BLTR**	**BR15C2BLTR**	**BR20C2BLTR**
	Brown	**BR15C1TR**	**BR20C1TR**	**BR15C2TR**	**BR20C2TR**
	Gray	**BR15C1GRYTR**	**BR20C1GRYTR**	**BR15C2GRYTR**	**BR20C2GRYTR**
	Green	**BR15C1GNTR**	**BR20C1GNTR**	**BR15C2GNTR**	**BR20C2GNTR**
	Ivory	**BR15C1ITR**	**BR20C1ITR**	**BR15C2ITR**	**BR20C2ITR**
	Lt. Almond	**BR15C1LATR**	**BR20C1LATR**	**BR15C2LATR**	**BR20C2LATR**
	Red	**BR15C1RTR**	**BR20C1RTR**	**BR15C2RTR**	**BR20C2RTR**
	White	**BR15C1WHITR**	**BR20C1WHITR**	**BR15C2WHITR**	**BR20C2WHITR**

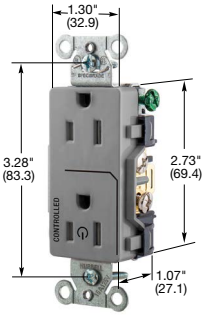


BR15C1LA

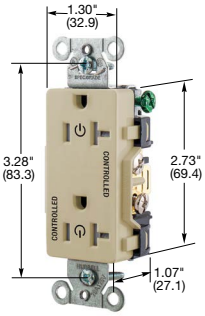
BR20C2GNTR

Style Line® Decorator

Smooth polycarbonate face, decorator duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	**DR15C1BLK**	**DR20C1BLK**	**DR15C2BLK**	**DR20C2BLK**
	Blue	**DR15C1BL**	**DR20C1BL**	**DR15C2BL**	**DR20C2BL**
	Brown	**DR15C1**	**DR20C1**	**DR15C2**	**DR20C2**
	Gray	**DR15C1GRY**	**DR20C1GRY**	**DR15C2GRY**	**DR20C2GRY**
	Green	**DR15C1GN**	**DR20C1GN**	**DR15C2GN**	**DR20C2GN**
	Ivory	**DR15C1I**	**DR20C1I**	**DR15C2I**	**DR20C2I**
	Lt. Almond	**DR15C1LA**	**DR20C1LA**	**DR15C2LA**	**DR20C2LA**
	Red	**DR15C1R**	**DR20C1R**	**DR15C2R**	**DR20C2R**
	White	**DR15C1WHI**	**DR20C1WHI**	**DR15C2WHI**	**DR20C2WHI**
Smooth polycarbonate face, Tamper-Resistant, decorator duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	**DR15C1BLKTR**	**DR20C1BLKTR**	**DR15C2BLKTR**	**DR20C2BLKTR**
	Blue	**DR15C1BLTR**	**DR20C1BLTR**	**DR15C2BLTR**	**DR20C2BLTR**
	Brown	**DR15C1TR**	**DR20C1TR**	**DR15C2TR**	**DR20C2TR**
	Gray	**DR15C1GRYTR**	**DR20C1GRYTR**	**DR15C2GRYTR**	**DR20C2GRYTR**
	Green	**DR15C1GNTR**	**DR20C1GNTR**	**DR15C2GNTR**	**DR20C2GNTR**
	Ivory	**DR15C1ITR**	**DR20C1ITR**	**DR15C2ITR**	**DR20C2ITR**
	Lt. Almond	**DR15C1LATR**	**DR20C1LATR**	**DR15C2LATR**	**DR20C2LATR**
	Red	**DR15C1RTR**	**DR20C1RTR**	**DR15C2RTR**	**DR20C2RTR**
	White	**DR15C1WHITR**	**DR20C1WHITR**	**DR15C2WHITR**	**DR20C2WHITR**



DR15C1GRY



DR20C2ITR

Permanent Controlled Receptacle Label

Description	Catalog Number
For use in retrofit applications where indication of a controlled receptacle is required. This label is UL approved for marking and labeling. 60 labels of each per pack.	**CL60**

Dimensions in Inches (mm)

Features and Benefits

Switched Receptacles for Automatic Receptacle Control

The Load Control Switched Duplex Receptacle is the latest addition to Hubbell Wiring Device-Kellems' comprehensive offering for automatic receptacle control requirements. Featuring Hubbell's exclusive and patented tamper-resistant mechanism as standard, the unit is capable of controlling other receptacles downstream in the branch circuit.

Hubbell offers this innovative device in wired and wireless options, which are both fully compatible with existing systems. This allows for easy additions and changes to meet current energy codes and standards in current facilities.



Common Features

- Half Controlled or Fully Controlled 15A or 20A Options
- Hubbell's Exclusive Tamper-Resistant Mechanism
- Downstream Branch Circuit Control
- Brass Strap
- Permanent NEC 406.3 (E) Markings
- UL498B SA Listed Receptacles with Integral Switching Comply with Supplement SA
- Fed Spec W596G
- Hospital Grade Series Available



Wired Switched Receptacles

- The wired series is designed to be automatically controlled by a low voltage signal from either occupancy sensors, or any other type of control device capable of performing this task, such as a time-of-day control device



Wireless Switched Receptacles

- The Clear Connect™ enabled wireless series is a wireless receiver that is controlled by the corresponding occupancy sensor



HBL5362LC2LA

Wired Switched Receptacles for Automatic Receptacle Control

Description	Color	15A Split Circuit	15A Fully Controlled	20A Split Circuit	20A Fully Controlled
Auto ON/Auto OFF control. Capable of controlling additional receptacles downstream.	Black	**HBL5262LC1BK**	**HBL5262LC2BK**	**HBL5362LC1BK**	**HBL5362LC2BK**
	Brown	**HBL5262LC1**	**HBL5262LC2**	**HBL5362LC1**	**HBL5362LC2**
	Gray	**HBL5262LC1GY**	**HBL5262LC2GY**	**HBL5362LC1GY**	**HBL5362LC2GY**
	Green	**HBL5262LC1GN**	**HBL5262LC2GN**	**HBL5362LC1GN**	**HBL5362LC2GN**
	Ivory	**HBL5262LC1I**	**HBL5262LC2I**	**HBL5362LC1I**	**HBL5362LC2I**
	Lt. Almond	**HBL5262LC1LA**	**HBL5262LC2LA**	**HBL5362LC1LA**	**HBL5362LC2LA**
	White	**HBL5262LC1W**	**HBL5262LC2W**	**HBL5362LC1W**	**HBL5362LC2W**

Note: See Section E, page E-31 for technical information. Special order for hospital grade devices.



HBL5362RFC1GY

Wireless Switched Receptacles for Automatic Receptacle Control

Description	Color	15A Split Circuit	15A Fully Controlled	20A Split Circuit	20A Fully Controlled
Wireless receiver Auto ON/Auto OFF. Capable of controlling additional receptacles downstream.	Black	**HBL5262RFC1BK**	**HBL5262RFC2BK**	**HBL5362RFC1BK**	**HBL5362RFC2BK**
	Brown	**HBL5262RFC1**	**HBL5262RFC2**	**HBL5362RFC1**	**HBL5362RFC2**
	Gray	**HBL5262RFC1GY**	**HBL5262RFC2GY**	**HBL5362RFC1GY**	**HBL5362RFC2GY**
	Green	**HBL5262RFC1GN**	**HBL5262RFC2GN**	**HBL5362RFC1GN**	**HBL5362RFC2GN**
	Ivory	**HBL5262RFC1I**	**HBL5262RFC2I**	**HBL5362RFC1I**	**HBL5362RFC2I**
	Lt. Almond	**HBL5262RFC1LA**	**HBL5262RFC2LA**	**HBL5362RFC1LA**	**HBL5362RFC2LA**
	White	**HBL5262RFC1W**	**HBL5262RFC2W**	**HBL5362RFC1W**	**HBL5362RFC2W**

Note: See Section E, page E-31 for technical information. Special order for hospital grade devices.





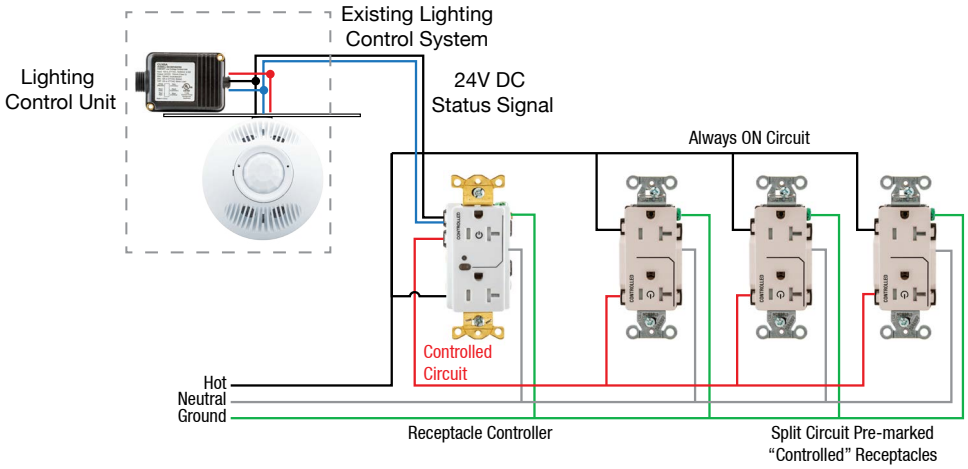




New Codes and Standards mandates that 50% of all receptacles in private offices, open offices and computer classrooms must be automatically controlled by occupancy or time based schedules. This also includes outlets in modular furniture. Hubbell provides solutions for compliance that are cost effective and installer friendly. Find out more design resources at www.hubbell-wiring.com/energy.aspx

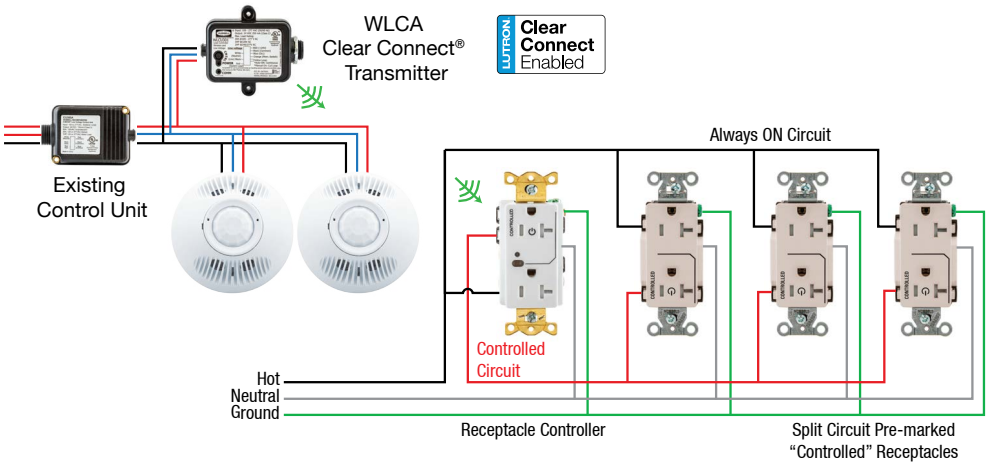
Wired

Utilizing low voltage wiring provides installers with a familiar method of wiring and installation. Specify Hubbell's new load control receptacle to meet this requirement. Utilize alternating outlet or split receptacle wiring as required to control at least 50% of the outlets in the space.



Wireless

Wireless communication takes complexity out of retrofit and difficult installations by eliminating low voltage wires running between lighting and receptacle control units. This gives installers flexibility to quickly deploy, add additional devices, and configure and re-configure the system as needed. Hubbell's WL series controls utilize Clear Connect® communication and are compatible with other Clear Connect® devices, such as Hubbell's wireless occupancy sensors.



Codes and Standards

ASHRAE Standard 90.1 2019

Standard 90.1 requires that at least 50 percent of all 125V, 15A and 20A receptacles in private offices, open offices and classrooms be controlled by an automatic control device. Controlled receptacles need to be marked to differentiate them from non-controlled receptacles.

California Title 24 Building Energy Efficiency Standards 2019

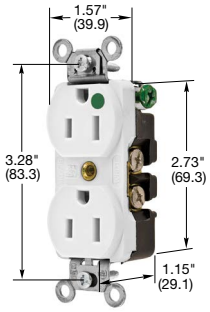
Section 130.5(d) of California Energy Commission Title 24, Part 6 - 2019 code requires receptacles to have automatic shutoff controls in certain spaces in all buildings.

2020 National Electrical Code®

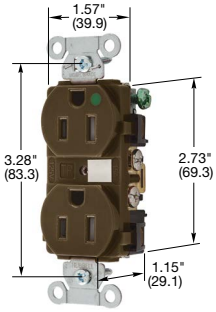
NEC® Section 406.3(E) requires that all nonlocking, 125 V, 15A and 20A receptacles controlled by an automatic control device or by an automatic energy management system must be marked with the ⏻ symbol and the word "CONTROLLED".

Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

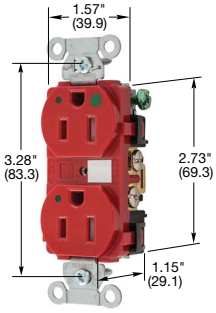
15 and 20 Ampere, 125 Volts



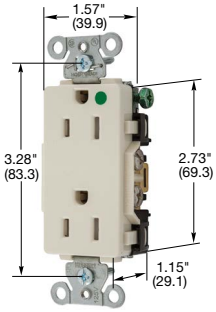
8200WHI



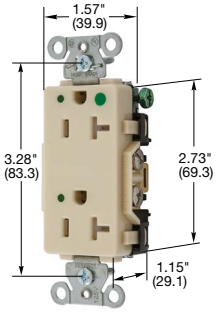
8200TRA



8200REDLTRA



2172LATRA



2182IVLTRA

Dimensions in Inches (mm)



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Hubbell-PRO Extra Heavy Duty Hospital Grade ● Receptacles

Duplex	Color	Catalog Number		One Controlled Face	Two Controlled Faces
Hospital grade and hospital grade controlled, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BK**	**8300BK**	-	-
	Brown	**8200**	**8300**	-	-
	Gray	**8200GY**	**8300GY**	-	-
	Ivory	**8200IV**	**8300IV**	**8300C1IV**	**8300C2IV**
	Light Almond	**8200LA**	**8300LA**	**8300C1LA**	**8300C2LA**
	Red	**8200RED**	**8300RED**	**8300C1RED**	**8300C2RED**
	White	**8200WHI**	**8300WHI**	**8300C1WHI**	**8300C2WHI**
TR Hospital grade, Tamper-Resistant, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BKTRA**	**8300BKTRA**		
	Brown	**8200TRA**	**8300TRA**		
	Gray	**8200GYTRA**	**8300GYTRA**		
	Ivory	**8200IVTRA**	**8300IVTRA**		
	Light Almond	**8200LATRA**	**8300LATRA**		
	Red	**8200REDTRA**	**8300REDTRA**		
	White	**8200WTRA**	**8300WTRA**		
PWR Hospital grade, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BKL**	**8300BKL**		
	Brown	**8200L**	**8300L**		
	Gray	**8200GYL**	**8300GYL**		
	Ivory	**8200IVL**	**8300IVL**		
	Light Almond	**8200LAL**	**8300LALM**		
	Red	**8200REDL**	**8300REDL**		
	White	**8200WL**	**8300WL**		
PWR TR Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BKLTRA**	**8300BKLTRA**		
	Brown	**8200LTRA**	**8300LTRA**		
	Gray	**8200GYLTRA**	**8300GYLTRA**		
	Ivory	**8200IVLTRA**	**8300IVLTRA**		
	Light Almond	**8200LALTRA**	**8300LALTRA**		
	Red	**8200REDLTRA**	**8300REDLTRA**		
	White	**8200WLTRA**	**8300WLTRA**		

Style Line® Decorator

	Color	Catalog Number	
Hospital grade, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BK**	**2182BK**
	Brown	**2172**	**2182**
	Gray	**2172GY**	**2182GY**
	Ivory	**2172IV**	**2182IV**
	Light Almond	**2172LA**	**2182LA**
	Red	**2172RED**	**2182RED**
	White	**2172W**	**2182W**
TR Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BKTRA**	**2182BKTRA**
	Brown	**2172TRA**	**2182TRA**
	Gray	**2172GYTRA**	**2182GYTRA**
	Ivory	**2172IVTRA**	**2182IVTRA**
	Light Almond	**2172LATRA**	**2182LATRA**
	Red	**2172REDTRA**	**2182REDTRA**
	White	**2172WTRA**	**2182WTRA**
PWR Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BKL**	**2182BKL**
	Brown	**2172L**	**2182L**
	Gray	**2172GYL**	**2182GYL**
	Ivory	**2172IVL**	**2182IVL**
	Light Almond	**2172LAL**	**2182LAL**
	Red	**2172REDL**	**2182REDL**
	White	**2172WL**	**2182WL**
PWR TR Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BKLTRA**	**2182BKLTRA**
	Brown	**2172LTRA**	**2182LTRA**
	Gray	**2172GYLTRA**	**2182GYLTRA**
	Ivory	**2172IVLTRA**	**2182IVLTRA**
	Light Almond	**2172LALTRA**	**2182LALTRA**
	Red	**2172REDLTRA**	**2182REDLTRA**
	White	**2172WLTRA**	**2182WLTRA**

Note: See pages A-47 and A-48 for accessories.
See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.
See section O for wallplates.

15 and 20 Ampere, 125 and 250 Volts



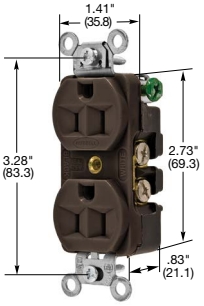
15A 125V
NEMA 5-15R
UL CSA
0.5 HP



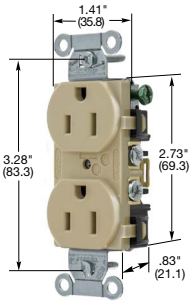
20A 125V
NEMA 5-20R
UL CSA
1 HP

Hubbell-PRO Extra Heavy Duty Specification Grade Receptacles

Duplex	Color	Catalog Number	
Smooth polycarbonate face, duplex, back and side wired. Assembled in USA.	Black	**5252BK**	**5352BK**
	Brown	**5252B**	**5352B**
	Gray	**5252G**	**5352G**
	Ivory	**5252I**	**5352I**
	Light Almond	**5252LA**	**5352LA**
	Red	**5252R**	**5352R**
	White	**5252W**	**5352W**
Finder groove polycarbonate face, duplex, back and side wired. Assembled in USA.	Black	**5262BLK**	**5362BLK**
	Blue	**5262BL**	**5362BL**
	Brown	**5262B**	**5362B**
	Gray	**5262G**	**5362G**
	Ivory	**5262I**	**5362I**
	Light Almond	**5262LA**	**5362LA**
	Red	**5262R**	**5362R**
	White	**5262W**	**5362W**



5262B

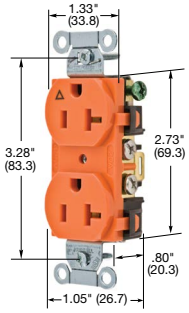


5252AI

Hubbell-PRO Heavy Duty Specification Grade Receptacles

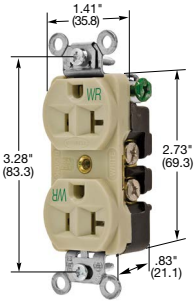
		Standard Duplex		Isolated Ground[Δ]	
Duplex	Color	15A 125V NEMA 5-15R	20A 125V NEMA 5-20R	15A 125V NEMA 5-15R	20A 125V NEMA 5-20R
Smooth polycarbonate face, duplex, back and side wired.	Black	**5252ABLK**	**5352ABLK**	–	–
	Brown	**5252AB**	**5352AB**	–	–
	Gray	**5252AG**	**5352AG**	**IG5252GY**	**IG5352GY**
	Ivory	**5252AI**	**5352AI**	**IG5252I**	**IG5352I**
	Light Almond	**5252ALA**	**5352ALA**	**IG5252LA**	**IG5352LA**
	Orange	–	–	**IG5252**	**IG5352**
	Red	**5252AR**	**5352AR**	–	–
	White	**5252AW**	**5352AW**	**IG5252W**	**IG5352W**
Smooth polycarbonate face, Tamper-Resistant, duplex, back and side wired.	Black	**5252BLKTR**	**5352BLKTR**	–	–
	Brown	**5252BTR**	**5352BTR**	–	–
	Gray	**5252GTR**	**5352GTR**	–	–
	Ivory	**5252ITR**	**5352ITR**	**IG5252ITR**	**IG5352ITR**
	Light Almond	**5252LATR**	**5352LATR**	–	–
	Orange	–	–	**IG5252TR**	**IG5352TR**
	Red	**5252RTR**	**5352RTR**	–	–
	White	**5252WTR**	**5352WTR**	**IG5252WTR**	**IG5352WTR**
Finder groove polycarbonate face, duplex, back and side wired.	Black	**5262ABLK**	**5362ABLK**	**CR5252IGBK**	**CR5352IGBK**
	Blue	**5262ABL**	**5362ABL**	–	**CR5352IGBL**
	Brown	**5262AB**	**5362AB**	–	–
	Gray	**5262AG**	**5362AG**	**CR5252IGGY**	**CR5352IGGY**
	Ivory	**5262AI**	**5362AI**	**CR5252IGI**	**CR5352IGI**
	Light Almond	**5262ALA**	**5362ALA**	–	–
	Orange	–	–	**CR5252IG**	**CR5352IG**
	Red	**5262AR**	**5362AR**	–	–
	White	**5262AW**	**5362AW**	**CR5252IGW**	**CR5352IGW**
Weather resistant, Finder groove nylon face, duplex, back and side wired.	Black	**5262BKWR**	**5362BKWR**	–	–
	Brown	**5262WR**	**5362WR**	–	–
	Gray	**5262GYWR**	**5362GYWR**	–	–
	Ivory	**5262IWR**	**5362IWR**	–	–
	White	**5262WWR**	**5362WWR**	–	–





IG5352





5362IWR

Note: [Δ]See section N for additional information on isolated ground devices.
See page A-47 for accessories and section O for wallplates.
See page Tech-10 for Tamper and Weather Resistant descriptions.
Horsepower ratings listed above are AC only.



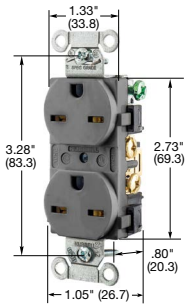
15A 250V
NEMA 6-15R
UL CSA
1.5 HP



20A 250V
NEMA 6-20R
UL CSA
2 HP

Hubbell-PRO 250V Heavy Duty Specification Grade Receptacles

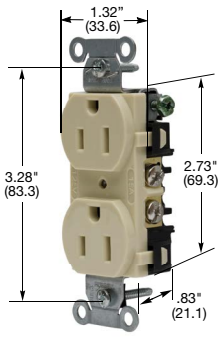
Description	Color	Catalog Number	
Smooth nylon face, duplex, back and side wired.	Black	**5662BK**	**5462BK**
	Blue	**5662BL**	**5462BL**
	Brown	**5662B**	**5462B**
	Gray	**5662GY**	**5462GY**
	Green	**5662GN**	**5462GN**
	Ivory	**5662IV**	**5462IV**
	Light Almond	**5662LA**	**5462LA**
	Red	**5662R**	**5462R**
	White	**5662WHI**	**5462WHI**



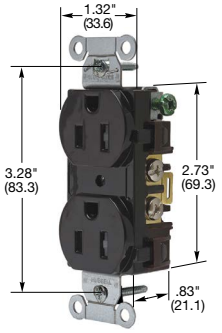
5662GY

Dimensions in Inches (mm)

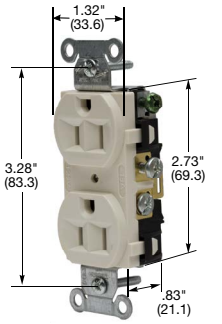
15 and 20 Ampere, 125 Volts



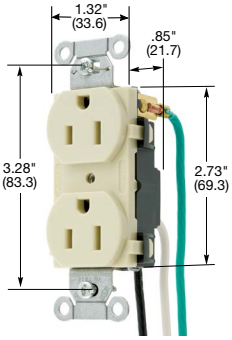
CR15I



CR15TR



CRF15LA



CR15IP1

Commercial
Specification Grade Receptacles



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex	Color	Catalog Number	
Smooth polycarbonate face, duplex, side wired only.	Black	**CR15BLK**	**CR20BLK**
	Brown	**CR15**	**CR20**
	Gray	**CR15GRY**	**CR20GRY**
	Ivory	**CR15I**	**CR20I**
	Light Almond	**CR15LA**	**CR20LA**
	White	**CR15WHI**	**CR20WHI**
TR Tamper-Resistant, smooth polycarbonate face, duplex, side wired only.	Black	**CR15BLKTR**	**CR20BLKTR**
	Brown	**CR15TR**	**CR20TR**
	Gray	**CR15GRYTR**	**CR20GRYTR**
	Ivory	**CR15ITR**	**CR20ITR**
	Light Almond	**CR15LATR**	**CR20LATR**
	White	**CR15WHITR**	**CR20WHITR**
Finder groove, polycarbonate face, duplex, side wired only.	Black	**–**	**CRF20BLK**
	Brown	**CRF15**	**CRF20**
	Gray	**CRF15GRY**	**CRF20GRY**
	Ivory	**CRF15I**	**CRF20I**
	Light Almond	**CRF15LA**	**CRF20LA**
	White	**CRF15WHI**	**CRF20WHI**
Pre-wired receptacles, smooth polycarbonate face, duplex, side wired only, self-grounding, 8" solid wire leads.	Black	**CR15BLKP1**	**CR20BLKP1**
	Brown	**CR15P1**	**CR20P1**
	Gray	**CR15GRYP1**	**CR20GRYP1**
	Ivory	**CR15IP1**	**CR20IP1**
	Light Almond	**CR15LAP1**	**CR20LAP1**
	White	**CR15WHIP1**	**CR20WHIP1**
Pre-wired receptacles, smooth polycarbonate face, duplex, side wired only, self-grounding, 8" stranded wire leads.	Black	**CR15BLKP2**	**CR20BLKP2**
	Brown	**CR15P2**	**CR20P2**
	Gray	**CR15GRYP2**	**CR20GRYP2**
	Ivory	**CR15IP2**	**CR20IP2**
	Light Almond	**CR15LAP2**	**CR20LAP2**
	White	**CR15WHIP2**	**CR20WHIP2**
TR Pre-wired receptacles, Tamper-Resistant, smooth polycarbonate face, duplex, side wired only, self-grounding, 8" solid wire leads.	Black	**CR15BLKTRP1**	**CR20BLKTRP1**
	Brown	**CR15TRP1**	**CR20TRP1**
	Gray	**CR15GRYTRP1**	**CR20GRYTRP1**
	Ivory	**CR15ITRP1**	**CR20ITRP1**
	Light Almond	**CR15LATRP1**	**CR20LATRP1**
	White	**CR15WHITRP1**	**CR20WHITRP1**
TR Pre-wired receptacles, Tamper-Resistant, smooth polycarbonate face, duplex, side wired only, self-grounding, 8" stranded wire leads.	Black	**CR15BLKTRP2**	**CR20BLKTRP2**
	Brown	**CR15TRP2**	**CR20TRP2**
	Gray	**CR15GRYTRP2**	**CR20GRYTRP2**
	Ivory	**CR15ITRP2**	**CR20ITRP2**
	Light Almond	**CR15LATRP2**	**CR20LATRP2**
	White	**CR15WHITRP2**	**CR20WHITRP2**

Note: See page A-47 for accessories.
See page Tech-10 for Tamper-Resistant descriptions.
See section O for wallplates.

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

Commercial
Specification Grade Receptacles



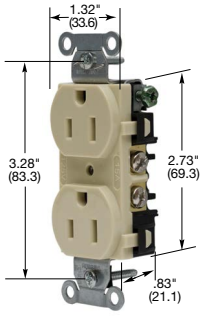
15A 125V
NEMA 5-15R
UL CSA
0.5 HP



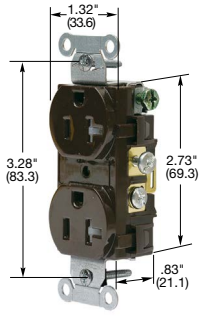
20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex	Color	Catalog Number	
Smooth polycarbonate face, duplex, back and side wired.	Black	**BR15BLK**	**BR20BLK**
	Blue	**BR15BL**	**BR20BL**
	Brown	**BR15**	**BR20**
	Gray	**BR15GRY**	**BR20GRY**
	Green	**BR15GN**	**BR20GN**
	Ivory	**BR15I**	**BR20I**
	Light Almond	**BR15LA**	**BR20LA**
	Red	**BR15R**	**BR20R**
	White	**BR15WHI**	**BR20WHI**
Tamper-Resistant, smooth polycarbonate face, duplex, back and side wired.	Black	**BR15BLKTR**	**BR20BLKTR**
	Blue	**BR15BLTR**	**BR20BLTR**
	Brown	**BR15TR**	**BR20TR**
	Gray	**BR15GRYTR**	**BR20GRYTR**
	Green	**BR15GNTR**	**BR20GNTR**
	Ivory	**BR15ITR**	**BR20ITR**
	Light Almond	**BR15LATR**	**BR20LATR**
	Red	**BR15RTR**	**BR20RTR**
	White	**BR15WHITR**	**BR20WHITR**
Weather Resistant, smooth polycarbonate face, duplex, back and side wired.	Black	**BR15BLKWR**	**BR20BLKWR**
	Brown	**BR15WR**	**BR20WR**
	Gray	**BR15GRYWR**	**BR20GRYWR**
	Ivory	**BR15IWR**	**BR20IWR**
	Light Almond	**BR15LAWR**	**BR20LAWR**
	White	**BR15WHIWR**	**BR20WHIWR**
Weather and Tamper-Resistant, smooth polycarbonate face, duplex, back and side wired.	Black	**BR15BLKWRTR**	**BR20BLKWRTR**
	Brown	**BR15WRTR**	**BR20WRTR**
	Gray	**BR15GRYWRTR**	**BR20GRYWRTR**
	Ivory	**BR15IWRTR**	**BR20IWRTR**
	Light Almond	**BR15LAWRTR**	**BR20LAWRTR**
	White	**BR15WHIWRTR**	**BR20WHIWRTR**
Isolated ground[Δ], smooth nylon face, duplex, side wired only.	Gray	**IG15CRGRY**	**IG20CRGRY**
	Ivory	**IG15CRI**	**IG20CRI**
	Light Almond	**IG15CRLA**	**IG20CRLA**
	Orange	**IG15CR**	**IG20CR**
	White	**IG15CRWHI**	**IG20CRWHI**
Isolated ground[Δ], Style Line® decorator*, smooth nylon face, duplex, back and side wired.	Gray	**IG15DRGRY**	**IG20DRGRY**
	Ivory	**IG15DRI**	**IG20DRI**
	Light Almond	**IG15DRLA**	**IG20DRLA**
	Orange	**IG15DR**	**IG20DR**
	White	–	**IG20DRWHI**

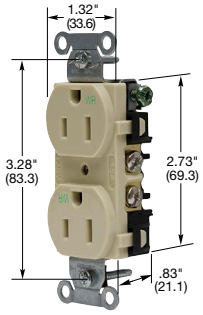
Note: [Δ]See section N for additional information on isolated ground devices.
See page A-47 for accessories.
See page Tech-10 for Tamper and Weather Resistant descriptions.
See section O for wallplates.



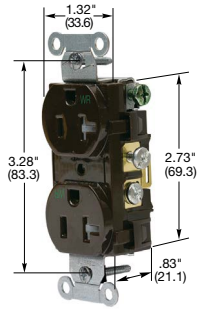
BR15I



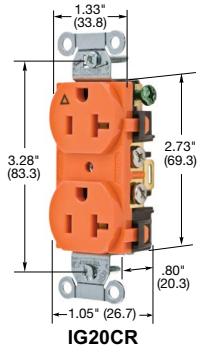
BR20TR



BR15IWR



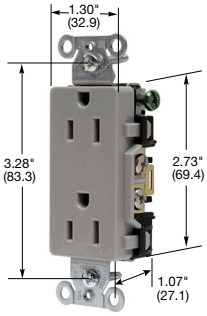
BR20WRTR



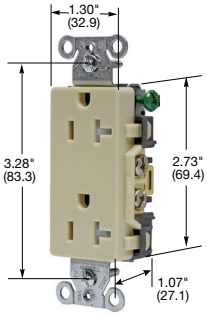
IG20CR

Dimensions in Inches (mm)

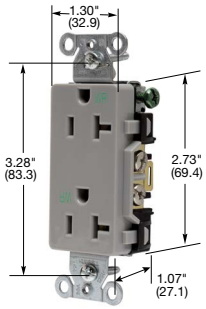
15 and 20 Ampere, 125 Volts



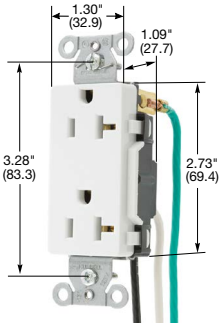
DR15GRY



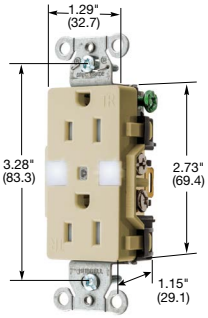
DR20ITR



DR20GRYWRTR



DR20WHIP2



DR15NLIV

Dimensions in Inches (mm)

Commercial Specification Grade Receptacles



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Style Line® Decorator	Color	Catalog Number	
Smooth polycarbonate face, Style Line® decorator duplex, back and side wired.	Black	**DR15BLK**	**DR20BLK**
	Brown	**DR15**	**DR20**
	Gray	**DR15GRY**	**DR20GRY**
	Green	**DR15GN**	**DR20GN**
	Ivory	**DR15I**	**DR20I**
	Light Almond	**DR15LA**	**DR20LA**
	Red	**DR15R**	**DR20R**
	White	**DR15WHI**	**DR20WHI**
Tamper-Resistant, Style Line® decorator duplex, smooth polycarbonate face, back and side wired.	Black	**DR15BLKTR**	**DR20BLKTR**
	Brown	**DR15TR**	**DR20TR**
	Gray	**DR15GRYTR**	**DR20GRYTR**
	Green	**DR15GNTR**	**DR20GNTR**
	Ivory	**DR15ITR**	**DR20ITR**
	Light Almond	**DR15LATR**	**DR20LATR**
	White	**DR15WHITR**	**DR20WHITR**
Weather and Tamper-Resistant, Style Line® decorator duplex, smooth polycarbonate face, back and side wired.	Black	**DR15BLKWRTR**	**DR20BLKWRTR**
	Brown	**DR15WRTR**	**DR20WRTR**
	Gray	**DR15GRYWRTR**	**DR20GRYWRTR**
	Ivory	**DR15IWRTR**	**DR20IWRTR**
	Light Almond	**DR15LAWRTR**	**DR20LAWRTR**
	White	**DR15WHIWRTR**	**DR20WHIWRTR**
Pre-wired receptacles, Style Line® decorator duplex, smooth polycarbonate face, back and side wired, self-grounding, 8" solid wire leads.	Black	**DR15BLKP1**	**DR20BLKP1**
	Brown	**DR15P1**	**DR20P1**
	Gray	**DR15GRYP1**	**DR20GRYP1**
	Ivory	**DR15IP1**	**DR20IP1**
	Light Almond	**DR15LAP1**	**DR20LAP1**
	White	**DR15WHIP1**	**DR20WHIP1**
Pre-wired receptacles, Style Line® decorator duplex, smooth polycarbonate face, back and side wired, self-grounding, 8" stranded wire leads.	Black	**DR15BLKP2**	**DR20BLKP2**
	Brown	**DR15P2**	**DR20P2**
	Gray	**DR15GRYP2**	**DR20GRYP2**
	Ivory	**DR15IP2**	**DR20IP2**
	Light Almond	**DR15LAP2**	**DR20LAP2**
	White	**DR15WHIP2**	**DR20WHIP2**
Pre-wired receptacles, Tamper-Resistant, Style Line® decorator duplex, smooth polycarbonate face, back and side wired,self-grounding, 8" solid wire leads.	Black	**DR15BLKTRP1**	**DR20BLKTRP1**
	Brown	**DR15TRP1**	**DR20TRP1**
	Gray	**DR15GRYTRP1**	**DR20GRYTRP1**
	Ivory	**DR15ITRP1**	**DR20ITRP1**
	Light Almond	**DR15LATRP1**	**DR20LATRP1**
	White	**DR15WHITRP1**	**DR20WHITRP1**
Pre-wired receptacles, Tamper-Resistant, Style Line® decorator duplex, smooth polycarbonate face, back and side wired, self-grounding, 8" stranded wire leads.	Black	**DR15BLKTRP2**	**DR20BLKTRP2**
	Brown	**DR15TRP2**	**DR20TRP2**
	Gray	**DR15GRYTRP2**	**DR20GRYTRP2**
	Ivory	**DR15ITRP2**	**DR20ITRP2**
	Light Almond	**DR15LATRP2**	**DR20LATRP2**
	White	**DR15WHITRP2**	**DR20WHITRP2**
Nightlight receptacle, two nightlight sources for a total of 0.5 Lumens, Tamper-Resistant shutters complies with NEC article 406.12, back and side wired	Ivory	**DR15NLIV**	–
	Light Almond	**DR15NLLA**	–
	White	**DR15NLWH**	–

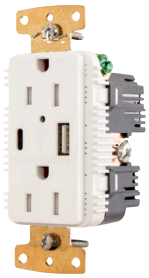
Note: See page A-47 for accessories.
See page Tech-10 for Tamper and Weather Resistant descriptions.
See section O for wallplates.

USB Charger Receptacles and Outlets



Weather Resistant Receptacle Features

- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Type A&C USB ports
- Power indicating green LED light



Weather Resistant USB Charger Duplex Receptacles

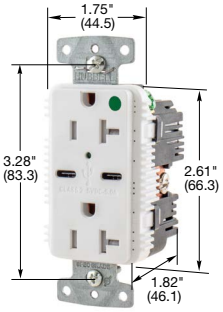
Description	Color	15A 125V	20A 125V
Type A&C USB Charger Receptacle, One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant USB ports rated 10,000 cycles; Commercial Grade	Black	**USB15AC5BKWR**	**USB20AC5BKWR**
	Brown	**USB15AC5WR**	**USB20AC5WR**
	Gray	**USB15AC5GYWR**	**USB20AC5GYWR**
	Ivory	**USB15AC5IWR**	**USB20AC5IWR**
	Light Almond	**USB15AC5LAWR**	**USB20AC5LAWR**
	White	**USB15AC5WWR**	**USB20AC5WWR**

Note: Outdoor circuits should be GFCI protected per national and local electric codes.

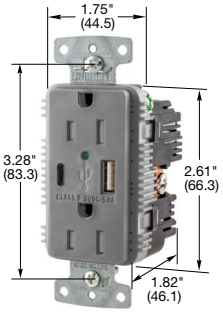
Commercial and Hospital Grade ● USB Charger Tamper-Resistant Duplex Receptacles

Description	Color	Commercial 15A 125V	Commercial 20A 125V	Hospital Grade 15A 125V	Hospital Grade 20A 125V
Two Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	**USB15C5BK**	**USB20C5BK**	**USB8200C5BK**	**USB8300C5BK**
	Brown	**USB15C5**	**USB20C5**	**USB8200C5**	**USB8300C5**
	Gray	**USB15C5GY**	**USB20C5GY**	**USB8200C5GY**	**USB8300C5GY**
	Ivory	**USB15C5I**	**USB20C5I**	**USB8200C5I**	**USB8300C5I**
	Lt. Almond	**USB15C5LA**	**USB20C5LA**	**USB8200C5LA**	**USB8300C5LA**
	Red	–	–	**USB8200C5R**	**USB8300C5R**
	White	**USB15C5W**	**USB20C5W**	**USB8200C5W**	**USB8300C5W**
One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	**USB15AC5BK**	**USB20AC5BK**	**USB8200AC5BK**	**USB8300AC5BK**
	Brown	**USB15AC5**	**USB20AC5**	**USB8200AC5**	**USB8300AC5**
	Gray	**USB15AC5GY**	**USB20AC5GY**	**USB8200AC5GY**	**USB8300AC5GY**
	Ivory	**USB15AC5I**	**USB20AC5I**	**USB8200AC5I**	**USB8300AC5I**
	Lt. Almond	**USB15AC5LA**	**USB20AC5LA**	**USB8200AC5LA**	**USB8300AC5LA**
	Red	–	–	**USB8200AC5R**	**USB8300AC5R**
	White	**USB15AC5W**	**USB20AC5W**	**USB8200AC5W**	**USB8300AC5W**
Two Type A port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	**USB15A5BK**	**USB20A5BK**	**USB8200A5BK**	**USB8300A5BK**
	Brown	**USB15A5**	**USB20A5**	**USB8200A5**	**USB8300A5**
	Gray	**USB15A5GY**	**USB20A5GY**	**USB8200A5GY**	**USB8300A5GY**
	Ivory	**USB15A5I**	**USB20A5I**	**USB8200A5I**	**USB8300A5I**
	Lt. Almond	**USB15A5LA**	**USB20A5LA**	**USB8200A5LA**	**USB8300A5LA**
	Red	–	–	**USB8200A5R**	**USB8300A5R**
	White	**USB15A5W**	**USB20A5W**	**USB8200A5W**	**USB8300A5W**

Note: See page Tech-10 for Tamper-Resistant description.



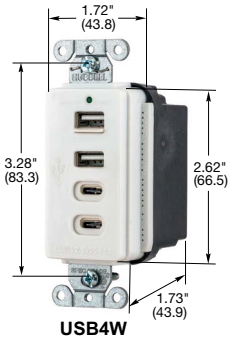
USB8300C5W



USB15AC5GY

4 Port USB Charger Outlets

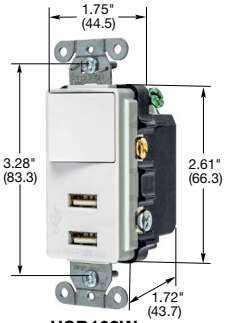
Description	Color	Catalog Number
USB Charger Outlets, 4 USB ports, two Type A & two Type-C ports, 5 Amp up to 9 Volt DC, Style Line® decorator.	Black	**USB4ACBK**
	Brown	**USB4AC**
	Gray	**USB4ACGY**
	Ivory	**USB4ACI**
	Light Almond	**USB4ACLA**
	White	**USB4ACW**



USB4W

Switch Combo Outlets

Description	Color	Catalog Number
Switch Combo Outlet, two USB type 2.0 ports, 2.1 Amp, 5 Volt DC, Style Line® decorator.	Black	**USB102BK**
	Brown	**USB102**
	Gray	**USB102GY**
	Ivory	**USB102I**
	Light Almond	**USB102LA**
	White	**USB102W**

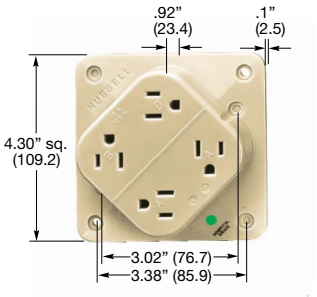


USB102W

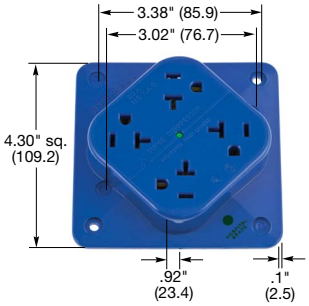
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

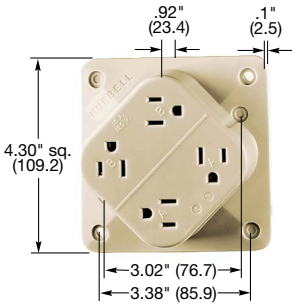
15 and 20 Ampere, 125 Volts



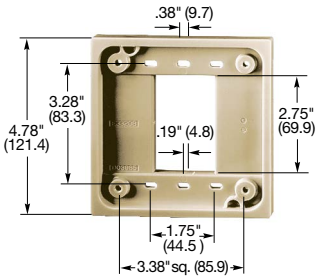
HBL415HI



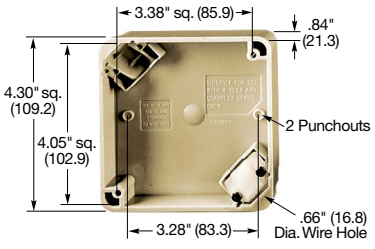
HBL420HS



HBL415I



HBL4API



HBL4PBI

4-PLEX® Hospital Grade ● Receptacles



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	Catalog Number	
4 outlet high impact resistant Polycarbonate construction. Mount to 4 in. square box.	Brown	**HBL415H**	**HBL420H**
	Gray	**–**	**HBL420HGY**
	Ivory	**HBL415HI**	**HBL420HI**
	Red	**HBL415HR**	**HBL420HR**
	White	**HBL415HW**	**HBL420HW**
4-PLEX surge protection receptacles with lights, 80 joules, 6.5kA peak current.	Blue	**—**	**HBL420HS**
	Ivory	**—**	**HBL420HIS**
	Red	**—**	**HBL420HRS**

4-PLEX® Receptacles



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Over Size Robertson/Slotted Head Terminal Screws

Description	Color	Catalog Number	
Specification grade.	Black	**HBL415BK**	**HBL420BK**
	Brown	**HBL415**	**HBL420**
	Gray	**HBL415GY**	**HBL420GY**
	Ivory	**HBL415I**	**HBL420I**
	White	**HBL415W**	**HBL420W**
Isolated ground[Δ].	Orange	**IG415**	**IG420**
Surge suppression.	Blue	**HBL415S**	**HBL420S**
	Ivory	**HBL415IS**	**HBL420IS**

Note: [Δ]See section N for additional information on isolated ground devices.
Horsepower ratings are AC only.
4-PLEX Receptacles are of a non-metallic design. Product is supplied with isolated ground symbol stickers. Apply if needed. Mounts to 4-inch square box.

4-PLEX® Accessories

Description	Color	Catalog Number
4-PLEX adapter plates for 1- and 2-gang, device boxes.	Blue	**HBL4APBL**
	Brown	**HBL4AP**
	Gray	**HBL4APGY**
	Ivory	**HBL4API**
	Orange	**HBL4APO**
	Red	**HBL4APR**
	White	**HBL4APW**
4-PLEX Portable Box, 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord.	Black	**HBL4PBBK**
	Brown	**HBL4PB**
	Ivory	**HBL4PBI**

Note: 4-PLEX Box is not UL listed or CSA Certified. UL listing does not apply when 4-PLEX Receptacle is used with 4-PLEX Box in extension cord application. Supplied with one cord clamp.

Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Products at a Glance



Hospital Grade Plugs and Connectors

- Hospital Grade with green dot symbol
- Powerful offsetting cord grips clamp on individual conductors
- Transparent angled wiring entrance holes permit “straight in" conductor insertion
- Valise® devices have unique patented clamp type terminals, provide a superior electrical connection



Heavy Duty Insulgrip® Plugs and Connectors

- Beveled housing prevents snagging
- Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .23 to .72 inch (5.8 to 18.3).
- Individually molded face for each blade configuration keeps debris out of plug interior
- Ribbed nylon housing is impact and chemical resistant



Watertight and Dust Tight Devices

- Multiple “U-Drive” fast lead body assembly screws
- Color coded Kellems GOTCHA® rings provide increased cord retention
- Powerful nylon cord grip prevents strain on terminals
- Dust and moisture seal keeps out liquids, metal filings and other foreign materials
- Closure plug seals connector body when disconnected from plug

Features and Benefits

Insulgrip® 15 and 20 Ampere Plugs and Connector Bodies

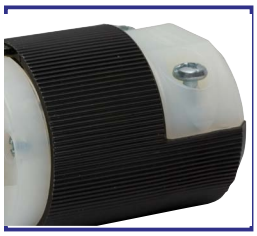
Insulgrip products are synonymous with Hubbell's ongoing commitment to discovering ways to make products safer and last longer.

By encasing wiring devices in tough nylon housings, Insulgrip devices ensure high impact, heat, and chemical resistance while insulating current-carrying components from the user for maximum safety.

- The Insulgrip's cord gripping design clamps conductors, not just the cable jacket, making it the industry's most powerful cord grip with superior strain relief.
- Each Insulgrip device is manufactured with roomy, separate wiring chambers to insulate conductors and an individually molded face to keep out dust and debris that can cause contamination over time.

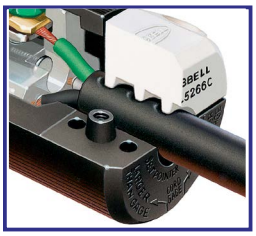






Housing Design

- Ribbed nylon housing provides a secure grip that's impact and chemical resistant
- Beveled housing prevents snagging when dragged across uneven surfaces
- Individually molded face for each blade configuration keeps debris out of plug interior



Internal Design

- Powerful cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminations
- Individual wiring terminals are completely enclosed in their own separate chambers



Cord Range

- Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .230"-.720" (5.8-18.3)
- VARI-SIZE® pointer set to "smaller than gauge" position. Cord diameter range is .230"-.360" (5.8-9.0). Accepts slotted and Phillips head drivers



Assembly

- Multiple drive screw heads provide screwdriver versatility. Pocketed recess for cord grip screws deters slippage of the screwdriver



Identification

- Catalog number is visible on the device while in use for easy identification



Visual Verification

- Transparent angled wiring entrance holes permit "straight in" conductor insertion and quick visual verification for terminations

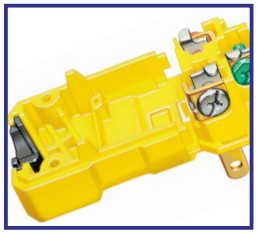
Straight Blade Devices

Features and Benefits

Valise® Plugs and Connector Bodies

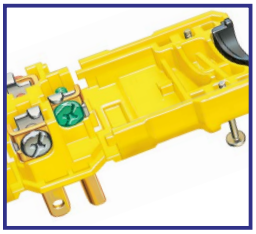
Hubbell Valise plugs go together in seconds but stay together securely for reliable long-term operation. Eight loadbearing, locking lugs in the impact- and crush-resistant nylon body assure a positive grip. Devices feature patented “wire bundling” terminals that are easy to wire and provide positive, reliable terminations





Housing Design

- Removable cord inserts to accommodate a wide range of cord sizes, .220"-.660" (5.6-16.8)
- Powerful cord grips prevent conductor slippage and strain on wiring terminals
- Eight specially designed load bearing locking lugs insure a positive fit as the blade holder and sides are closed



Internal Design

- Unique patented clamp-type terminals provide a superior electrical connection by “bundling” the conductor strands when clamps are tightened
- Nylon webs are provided to make wiring quick and easy during assembly
- Two captive multiple drive assembly screws

Elastogrip® High Visibility Yellow Plugs and Connectors

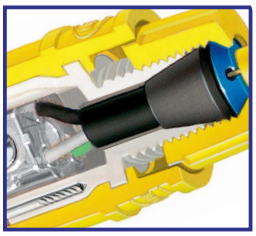
Hubbell straight blade devices, female connector body, Elastogrip watertight, industrial/commercial grade, 2-pole 3-wire grounding, 15A 125V, NEMA 5-15R, yellow, single pack. Tough nylon body provides superior resistance in harsh abusive environments. IP55 suitability when closure plug inserted or when installed and used properly with mating watertight plug.





Watertight Plug Housing Design

- Thermoplastic elastomer housing resists weathering caused by ultraviolet rays and ozone better than rubber; also oil and chemical resistant
- Nylon compression nut keeps water and dust from getting into the body around the cord



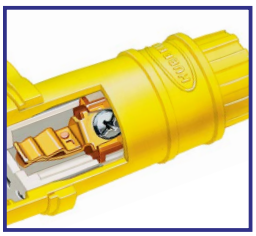
Watertight Plug Internal Design

- Three separate transparent wiring chambers allow for visual inspection
- Multiple drive “U-Drive” fast lead body assembly screws
- Neoprene bushing keeps water and dust out
- Color coded Kellems GOTCHA® rings provide increased cord retention



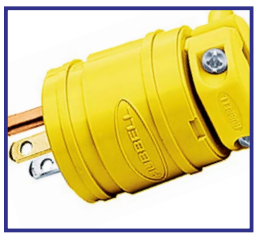
Watertight Connector Housing Design

- Closure plug seals connector body when disconnected from plug
- Integral weatherproofing shroud seals connection between plug and connector



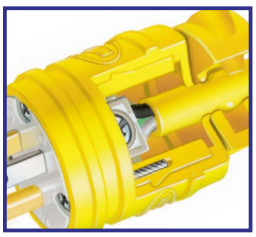
Watertight Connector Internal Design

- Pretensioned “bypass” design female contacts for abuse resistance and reliability
- Nylon compression nut keeps water and dust from getting into the body around the cord



Dust Tight Plug Housing Design

- Thermoplastic elastomer housing
- Powerful nylon cord grip prevents strain on terminals



Dust Tight Plug Internal Design

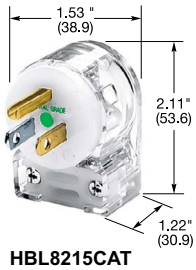
- Multiple drive “U-Drive” fast lead body assembly screws
- Dust and moisture seal keeps out liquids, metal filings and other foreign materials



HBL8215C



HBL8215CTST



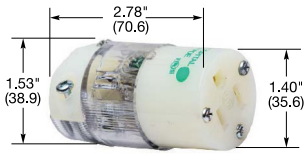
HBL8215CAT



HBL8115V



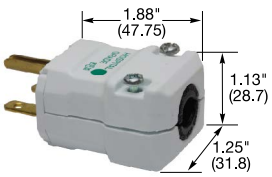
HBL8219C



HBL8219CT



HBL8119V



HBL8666V

Dimensions in Inches (mm)

Hospital Grade Plugs

IP20 SUITABILITY



15A 125V
NEMA 5-15P
UL CSA



20A 125V
NEMA 5-20P
UL CSA

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8215C**	**HBL8315C**
Black and white, spring termination	.230"-.720" (5.8-18.3)	**HBL8215CST**	**HBL8315CST**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8215CT**	**HBL8315CT**
Transparent housing, spring termination	.230"-.720" (5.8-18.3)	**HBL8215CTST**	**HBL8315CTST**
8 position angle plug, transparent housing.	.250"-.655" (6.4-16.6)	**HBL8215CAT***	**HBL8315CAT***

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8115V**	**HBL8364V**
Insulation displacement, white nylon.	.300"-.360" (7.6-9.1)	**HBL8013V***	**–**

Hospital Grade Connector Bodies

IP20 SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8219C**	**HBL8319C**
Black and white, spring termination	.230"-.720" (5.8-18.3)	**HBL8219CST**	**HBL8319CST**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8219CT**	**HBL8319CT**
Transparent housing, spring termination	.230"-.720" (5.8-18.3)	**HBL8219CTST**	**HBL8319CTST**

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8119V**	**–**

*Note: *Not Fed. Spec. Listed.*
See page A-48 for accessories.

Hospital Grade Plugs

IP20 SUITABILITY



15A 250V
NEMA 6-15P
UL CSA
1.5 HP



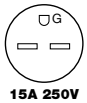
20A 250V
NEMA 6-20P
UL CSA
2 HP

Valise®

Description	Cord Diameter	Catalog Number	
Valise plug, white nylon.	.300"-.660" (7.6-16.8)	**HBL8666V**	**HBL8464V**

Note: HP ratings listed above are based on 208 to 240V AC only.

Hospital Grade Connector Bodies



15A 250V
NEMA 6-15R
UL CSA
1.5 HP



20A 250V
NEMA 6-20R
UL CSA
2 HP

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**–**	**HBL8469V**

Plugs

IP20 SUITABILITY



15A 125V
NEMA 5-15P
UL CSA



20A 125V
NEMA 5-20P
UL CSA

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5266C**	**HBL5366C**
Black and white, spring termination	.230"-.720" (5.8-18.3)	**HBL5266CST**	**HBL5366CST**
Blue and white nylon.	.230"-.720" (5.8-18.3)	**HBL5266CBL**	**–**
Black nylon extra large cord clamp.	.360"-.720" (9.1-18.3)	**HBL5266EBK**	**HBL5366EBK**
Black, spring termination	.230"-.720" (5.8-18.3)	**HBL5266CBKST**	**HBL5366CBKST**
Gray, spring termination	.230"-.720" (5.8-18.3)	**HBL5266CGYST**	**–**
Corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	**HBL52CM66C**	**HBL53CM66C**
8-position angle plug, black and white nylon.	.325"-.655" (8.3-16.6)	**HBL5266CA**	**HBL5366CA**
8-position angle plug, transparent enclosure.	.325"-.655" (8.3-16.6)	**HBL5266CAT**	**–**
Anchor lock, black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5280C***	**–**
Anchor lock, corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	**HBL52CM80C***	**–**
Finger grip, black neoprene, combination screws. CSA only.	.31"-.43" (7.9-10.9)	**HBL5921**	**–**
Fusible, black vinyl housing, slotted screws. CSA only.	.296"-.625" (7.5-15.9)	**HBL5299**	**–**

Elastogrip®

Description	Cord Diameter	Catalog Number	
Yellow elastomer, dust tight. IP20 SUITABILITY.	.300"-.655" (7.6-16.6)	**HBL1447**	**HBL1433**
Yellow elastomer, watertight. IP20 and IP55 SUITABILITY.	.300"-.655" (7.6-16.6)	**HBL14W47****	**HBL14W33****
Yellow elastomer, watertight. IP65, 66, 67 SUITABILITY.	.375"-.625" (9.5-15.9)	**HBL14W47A**	**HBL14W33A**

IP20 SUITABILITY

Valise®

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5965VY**	**HBL5364VY**
Black nylon.	.220"-.660" (5.6-16.8)	**HBL5965VBLK**	**HBL5364VBK**
Gray nylon.	.220"-.660" (5.6-16.8)	**HBL5965VGY**	**–**
Orange nylon, sold in bulk pack of 50.	.220"-.660" (5.6-16.8)	**HBL515PVO**	**–**
Insulation displacement terminals, black nylon.	.230"-.360" (5.8-9.1)	**HBL5966VBLK**	**–**
Insulation displacement terminals, yellow nylon.	.230"-.360" (5.8-9.1)	**HBL5966VY**	**–**

*Note: *UL Component Listed only. Not for general use applications.*
***Watertight plugs IP55 suitability when installed and used properly with mating Elastogrip watertight connector bodies.*
Horsepower ratings listed are AC only.
See page A-48 for accessories.



HBL5266C



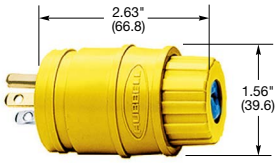
HBL5266CST



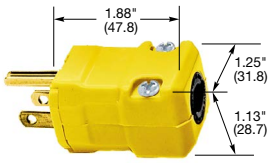
HBL5266CA



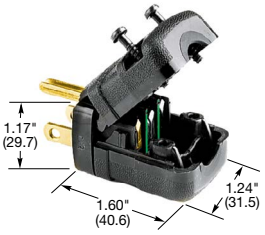
HBL1447



HBL14W47



HBL5965VY

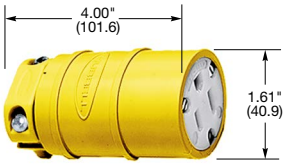


HBL5966VBLK

Dimensions in Inches (mm)



HBL5269C



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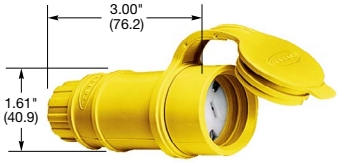

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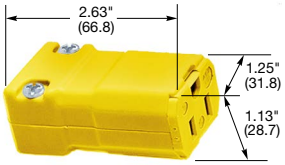


HBL5969VY



HBL5963VY

Connector Bodies

IP20 SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5269C**	**HBL5369C**
Black and white, spring termination	.230"-.720" (5.8-18.3)	**HBL5269CST**	**HBL5369CST**
Blue and white nylon.	.230"-.720" (5.8-18.3)	**HBL5269CBL**	–
Black nylon extra large cord clamp.	.360"-.720" (9.1-18.3)	**HBL5269EBK**	**HBL5369EBK**
All black, spring termination	.230"-.720" (5.8-18.3)	**HBL5269CBKST**	**HBL5369CBKST**
Corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	**HBL52CM69C**	**HBL53CM69C**

Note: See page A-48 for accessories.

Elastogrip®

Description	Cord Diameter	Catalog Number	
Yellow elastomer, dust tight. IP20 SUITABILITY.	.300"-.655" (7.6-16.6)	**HBL1547**	**HBL1533**
Yellow elastomer, watertight. IP20 and IP55 SUITABILITY.	.300"-.655" (7.6-16.6)	**HBL15W47***	**HBL15W33***
Yellow elastomer, watertight. IP65, 66, 67 SUITABILITY.	.375"-.625" (9.5-15.9)	**HBL15W47A**	**HBL15W33A**

Valise®

IP20 SUITABILITY

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5969VY**	**HBL5369VY**
Black nylon.	.220"-.660" (5.6-16.8)	**HBL5969VBLK**	**HBL5369VBK**
Gray nylon.	.220"-.660" (5.6-16.8)	**HBL5969VGY**	–
Orange nylon, sold in bulk pack of 50.	.220"-.660" (5.6-16.8)	**HBL515CVO**	–
Insulation displacement terminals, black nylon.	.230"-.360" (5.8-9.1)	**HBL5963VBK**	–
Insulation displacement terminals, yellow nylon.	.230"-.360" (5.8-9.1)	**HBL5963VY**	–

*Note: *Watertight connectors IP55 suitability when closure plug inserted or when installed and used properly with mating Elastogrip watertight plug.*
Connector bodies are not HP rated.
See page A-48 for accessories.



For quick visual identification of circuits or configurations.

Colored Cord Clamps*

Description	Color	Catalog Number
For use with 15A and 20A, 2 pole/3 wire, insulgrip plugs and connectors with cord diameter range of .230"-.720" (5.8-18.3) only.	Blue	**HBLCORDCLAMPBL**
	Green	**HBLCORDCLAMPGN**
	Orange	**HBLCORDCLAMPOR**
	Purple	**HBLCORDCLAMPP**
	Red	**HBLCORDCLAMPR**
	Yellow	**HBLCORDCLAMPY**

*Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*

Dimensions in Inches (mm)

Flanged Inlets



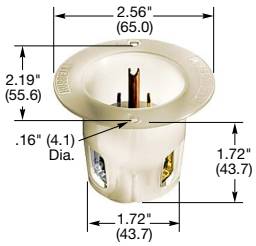
15A 125V
NEMA 5-15P
UL CSA



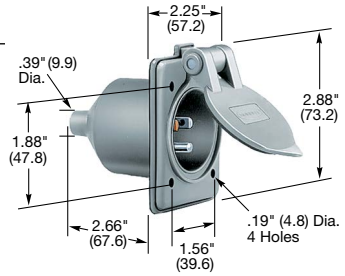
20A 125V
NEMA 5-20P
UL CSA

Description	Catalog Number	
Nylon casing, back wired.	**HBL5278C**	**HBL5378C**
Weatherproof, gray, with lift cover and multiple drive screws.	**HBL61CM64**	**–**
Weatherproof, black, with lift cover and boot, multiple drive screws.	**HBL61CM64BK**	**–**
Stainless steel flange, phenolic body, miniature style, for molded on connectors only, multiple drive screws.	**HBL5240***	**–**

*Note: *Specially designed to accept "molded-on" connector bodies. Catalog number HBL5240 will not accept re-wireable size connector bodies listed in this catalog or molded connectors having a "rejection obstruction" as required by Underwriters Laboratories Inc. standard #817 cord sets and power supply cords" effective 7/1/81.*
See pages A-47 and A-48 for accessories.



HBL5278C



HBL61CM64

Flanged Receptacles



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



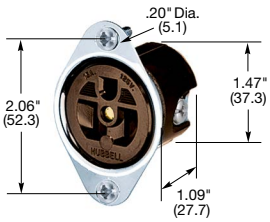
20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Catalog Number	
Nylon casing, back wired.	**HBL5279C**	**HBL5379C**
Stainless steel flange, phenolic body, covered terminals, multiple drive screws.	**HBL5279**	**–**
Stainless steel flange, brown phenolic (mounting screws packed separately).	**HBL5256**	**–**
Weatherproof, gray nylon, with lift cover and boot, multiple drive screws.	**–**	**HBL61CM65**

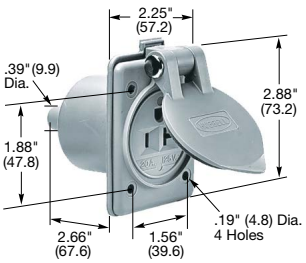
Note: See pages A-47 and A-48 for accessories.



HBL5279C



HBL5256



HBL61CM65

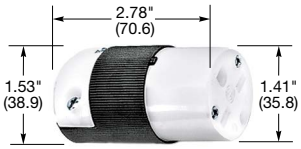
Dimensions in Inches (mm)



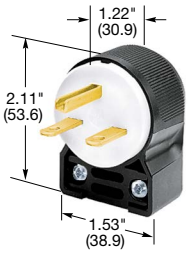
HBL5666C



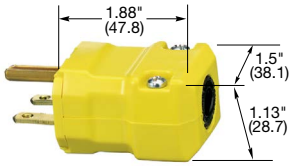
HBL5666CST



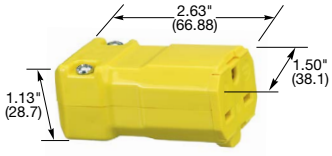
HBL5669C



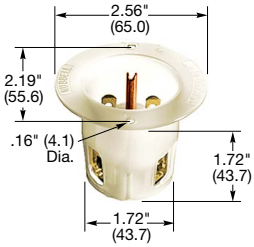
HBL5666CA



HBL5666VY



HBL5669VY



HBL5678C



Dimensions in Inches (mm)

Plugs

Description	Cord Diameter	15A 250V NEMA 6-15P UL CSA 1.5 HP	20A 250V NEMA 6-20P UL CSA 2 HP
Insulgrip® Plug, black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5666C**	**HBL5466C**
Insulgrip plug, black and white, spring termination	.230"-.720" (5.8-18.3)	**HBL5666CST**	**HBL5466CST**
Insulgrip® Plug, corrosion resistant, yellow nylon.	.230"-.720" (5.8-18.3)	**HBL56CM66C**	**HBL54CM66C**
Insulgrip plug, corrosion resistant, spring termination	.230"-.720" (5.8-18.3)	**HBL56CM66CST**	–
8-Position Insulgrip® Angle Plug, black and white nylon.	.325"-.655" (8.3-16.6)	**HBL5666CA**	**HBL5466CA**
Valise® Plug, yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5666VY**	**HBL5464VY**

Connector Bodies

Description	Cord Diameter	15A 250V NEMA 6-15R UL CSA	20A 250V NEMA 6-20R UL Listed
Insulgrip® Connector Body, black and white nylon, multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL5669C**	**HBL5469C**
Insulgrip Connector Body, Black and White, Spring Termination	.230"-.720" (5.8-18.3)	**HBL5669CST**	**HBL5469CST**
Valise® Connector Body, yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5669VY**	**HBL5469VY**

Note: See page A-48 for accessories.

Insulgrip® Flanged Inlets

Description	15A 250V NEMA 6-15P UL CSA	20A 250V NEMA 6-20P UL CSA
Nylon casing, back wired.	**HBL5678C**	**HBL5478C**

Note: Flanged inlets are not HP rated.
See page A-48 for accessories.

Flanged Receptacles

Description	15A 250V NEMA 6-15R UL CSA	20A 250V NEMA 6-20R UL Listed
Nylon casing, multiple drive screws.	**HBL5679C**	**HBL5479C**
Stainless steel flange, brown phenolic housing (mounting screws packaged separately).	**HBL5656**	–

Note: Connector bodies are not HP rated.
See pages A-47 and A-48 for accessories.

For quick visual identification of circuits or configurations.

Colored Cord Clamps*

Description	Color	Catalog Number
For use with 15A and 20A, 2 pole/3 wire, insulgrip plugs and connectors with cord diameter range of .230"-.720" (5.8-18.3) only.	Blue	**HBLCORDCLAMPBL**
	Green	**HBLCORDCLAMPGN**
	Orange	**HBLCORDCLAMPOR**
	Purple	**HBLCORDCLAMPP**
	Red	**HBLCORDCLAMPR**
	Yellow	**HBLCORDCLAMPY**

*Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*

Straight Blade Devices

15A, 125V, 2 Pole, 2 Wire Non-Grounding, Valise® Plugs

IP20 SUITABILITY



15A 125V
NEMA 1-15R
UL CSA
0.5 HP



15A 125V
NEMA 1-15P
UL CSA
0.5 HP

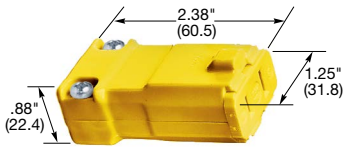
Description	Cord Diameter	Catalog Number	
Yellow nylon, non-polarized.	.218"-.385" (5.5-9.8)	–	**HBL5865VY**
Yellow nylon, polarized.	.218"-.385" (5.5-9.8)	–	**HBL5866VY**
Black nylon, polarized.	Type 17/2 "SVT" cord	–	**HBL5867VBLK**



HBL5865VY

Valise® Connector Bodies

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.218"-.385" (5.5-9.8)	**HBL5869VY**	–



HBL5869VY

15A, 277V AC, 2 Pole, 3 Wire Grounding, Plugs

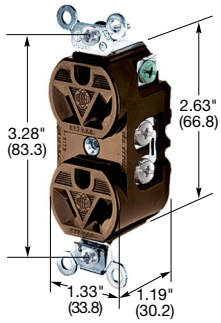


15A 277V AC
NEMA 7-15R
UL CSA
2 HP



15A 277V AC
NEMA 7-15P
2 HP

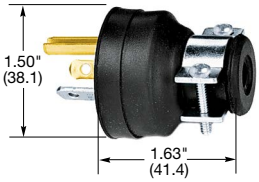
Description	Cord Diameter	Catalog Number	
Finger grip, black elastomer.	.31"-.43" (7.9-10.9)	–	**HBL5929***



HBL5302

Receptacles and Connector Bodies

Description	Cord Diameter	Catalog Number	
Receptacle, flush duplex, brown, back and side wired.	–	**HBL5302**	–
Connector Body, phenolic and steel body.	.296"-.625" (7.5-15.9)	**HBL5324**	–



HBL5929

*Note: *Not UL Listed.*
Horsepower ratings are AC only.
See pages A-47 and A-48 for accessories.

20A, 250V, 2 Pole, 2 Wire Non-Grounding, Valise® Plugs

IP20 SUITABILITY

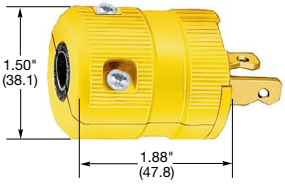


20A 250V
NEMA 2-20R
UL Listed
2 HP



20A 250V
NEMA 2-20P
UL Listed
2 HP

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"-.660" (5.6-16.8)	–	**HBL9758VY**

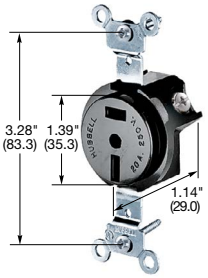


HBL9758VY

Receptacle, Single

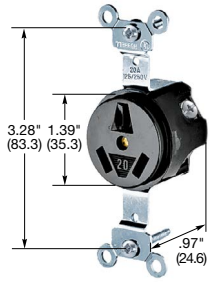
Description	Catalog Number	
Black phenolic.	**HBL5552B**	–

Note: Horsepower ratings are AC only and apply to plugs and receptacles only.
See pages A-47 and A-48 for accessories.

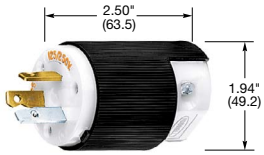


HBL5552B

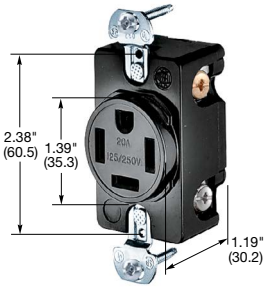
Dimensions in Inches (mm)



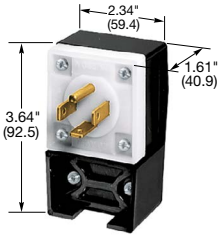
HBL6810



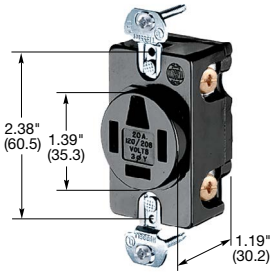
HBL9977C



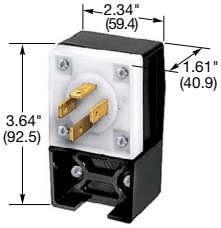
HBL8410



HBL8411C



HBL7250



HBL7251C

20A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY



20A 125V/250V
NEMA 10-20R
UL Listed
2(1) HP



20A 125V/250V
NEMA 10-20P
UL Listed
2(1) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black phenolic.	–	**HBL6810**	–
Plug, Insulgrip®, nylon.	.385"-.780" (9.8-19.8)	–	**HBL9977C**

Note: Horsepower ratings listed above are AC only.
Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).
Those in parentheses are phase to neutral (120V AC).
See pages A-47 and A-48 for accessories.

20A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



20A 125V/250V
NEMA 14-20R
UL CSA
2(1) HP



20A 125V/250V
NEMA 14-20P
UL CSA
2(1) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body, back and side wired.	–	**HBL8410**	–
Plug, nylon, angle 4-position.	.390"-.775" (9.9-19.7)	–	**HBL8411C**

See pages A-47 and A-48 for accessories.

20A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



20A 3Ø 250V AC
NEMA 15-20R
UL CSA
3 HP



20A 3Ø 250V AC
NEMA 15-20P
UL CSA
3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body, back and side wired.	–	**HBL8420**	–
Plug, nylon, angle 4-position.	.390"-.775" (9.9-19.7)	–	**HBL8421C**

Note: Horsepower ratings listed above are AC only.
Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).
Horsepower ratings in parentheses are phase to neutral (120V AC).
See pages A-47 and A-48 for accessories.

20A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY



20A 3ØY 120/208V AC
NEMA 18-20R
UL Listed
2 HP



20A 3ØY 120/208V AC
NEMA 18-20P
UL Listed
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body.	–	**HBL7250**	–
Plug, nylon, angle, 4-position.	.390"-.775" (9.9-19.7)	–	**HBL7251C**

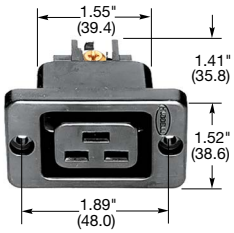
Note: Horsepower ratings are phase to phase (208 to 240V AC).
Weatherproof boots for plugs not available.
See pages A-47 and A-48 for accessories.

Dimensions in Inches (mm)

Receptacle IEC 320 Compatible

Description	Catalog Number
20/16A 250V AC IEC straight blade.	**H320R**
For Ring Terminal connection.	**H320RRT***

*Note: *Not UL Listed.*

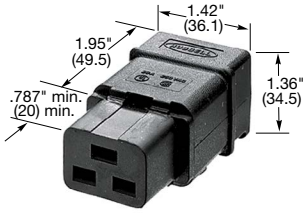


H320R

Connector

IP20 SUITABILITY

Description	Catalog Number
20/16A 250V AC IEC straight blade.	**H320C**

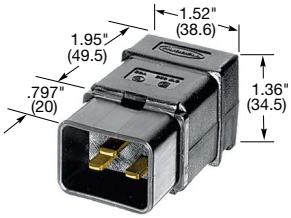


H320C

Plug IEC 320 Compatible

IP20 SUITABILITY

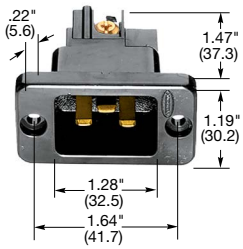
Description	Catalog Number
20/16A 250V AC IEC straight blade.	**H320P**



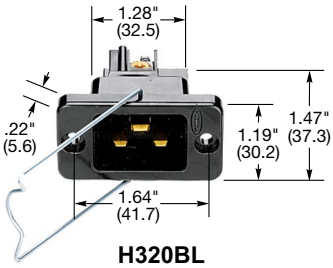
H320P

Inlets

Description	Catalog Number
20/16A 250V AC IEC straight blade.	**H320B**
20/16A 250V AC IEC straight blade with retention clamp.	**H320BL**



H320B



H320BL

Dimensions in Inches (mm)



UGRO20231

Acceptor® Hazardous Location Receptacles



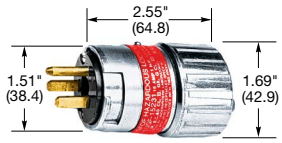
15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Catalog Number	
Explosion and dust ignition proof. Class I, Div. 1 & 2, Groups C, D Class II, Div. 1 & 2, Groups F, G Class III NEMA® 3, 7 B C D, 9 F G	–	**UGRO20231** **UGRA20231***

*Note: *UGRA version includes an adapter plate for mounting to Crouse-Hinds® EDS series and Appleton® EFD series back boxes. UL Listed for Class 1, Div. 2, Groups B, C, D.*



UGP15231

Acceptor® Hazardous Location Plugs

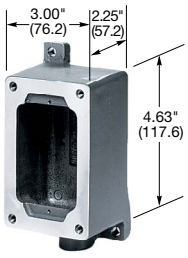


15A 125V
NEMA 5-15P
UL CSA



20A 125V
NEMA 5-20P
UL CSA

Description	Catalog Number	
Explosion and dust ignition proof. Class I, Div. 1 & 2, Groups B, C, D Class II, Div. 1 & 2, Groups E, F, G Class III NEMA® 3, 7 B C D, 9 F G	**UGP15231**	**UGP20231**

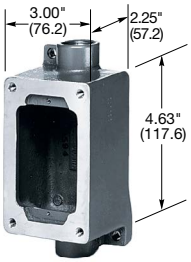


SWB1

SWB Series Boxes

Hub Size	1-Gang Dead End	1-Gang Feed Thru
½ in. NPT	**SWB1**	**SWB4**
¾ in. NPT	**SWB2**	**SWB5**
Class I, Div. 1 & 2, Groups C, D Class II, Div. 1 & 2, Groups E, F, G Class III NEMA® 7 C D, 9 E F G		

Note: SWB series boxes will only accommodate Acceptor Series receptacles, not standard weatherproof covers.



SWB5

Dimensions in Inches (mm)

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

30A, 125V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

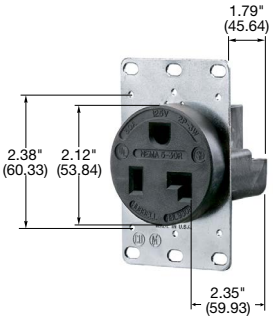


30A 125V
NEMA 5-30R
UL CSA
2 HP



30A 125V
NEMA 5-30P
UL CSA
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9308**	–
Receptacle, orange, isolated ground[Δ].	–	**IG9308**	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	–	**HBL9309***



HBL9308

30A, 125V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

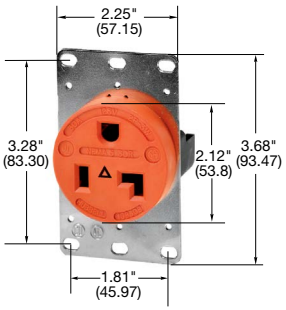


30A 125V
NEMA TT-30R
UL Listed
2 HP



30A 125
NEMA TT-30P
UL Listed
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP. Travel Trailer use only.	–	**HBLTT30R**	–
Plug, nylon, angle. Travel Trailer use only.	.625"-1.187" (15.9-30.1)	–	**HBLTT30P**



IG9308

30A, 250V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

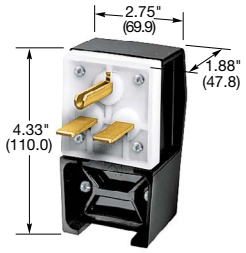


30A 250V
NEMA 6-30R
UL CSA
2 HP



30A 250V
NEMA 6-30P
UL CSA
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9330**	–
Receptacle, orange, isolated ground[Δ].	–	**IG9330**	–
Plug, nylon, angle, 4-position	.625"-1.187" (15.9-30.1)	–	**HBL9331***



HBL9331

30A, 277V AC, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

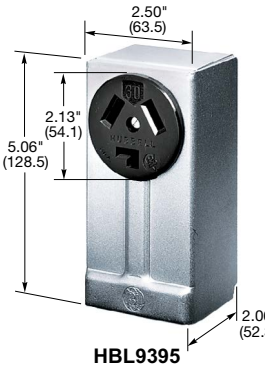


30A 277V AC
NEMA 7-30R
UL CSA
3 HP



30A 277V AC
NEMA 7-30P
UL CSA
3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9315**	–
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	–	**HBL9319***



HBL9395

30A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY

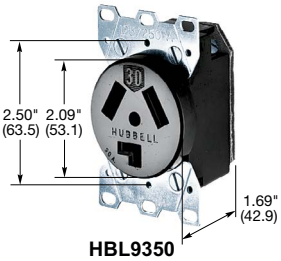


30A 125/250V
NEMA 10-30R
UL Listed
2(2) HP



30A 125/250V
NEMA 10-30P
UL Listed
2(2) HP

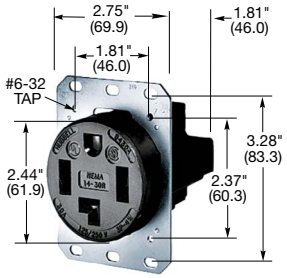
Description	Cord Diameter	Catalog Number	
Receptacle, black phenolic.	–	**HBL9350**	–
Receptacle, surface mount aluminum housing.	–	**HBL9395**	–
Plug, Insulgrip®, nylon.	.625"-1.00" (15.9-25.4)	–	**HBL9337C**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	–	**HBL9333**



HBL9350

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
[Δ]See section N for additional information on isolated ground devices..
**Not Fed. Spec. Listed.*
See page A-49 for accessories.

Dimensions in Inches (mm)



HBL9430A

30A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



30A 125/250V NEMA 14-30R 2(2) HP



30A 125/250V NEMA 14-30P 2(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9430A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL9431C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL9432C**



HBL9431C

30A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



30A 3Ø 250V AC NEMA 15-30R 3 HP



30A 3Ø 250V AC NEMA 15-30P 3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8430A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL8431C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL8432C**



HBL9432C

30A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY

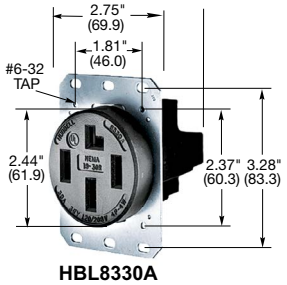


30A 3ØY 120/208V AC NEMA 18-30R UL Listed 3 HP

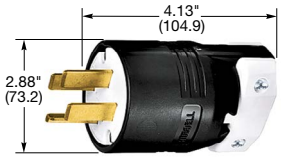


30A 3ØY 120/208V AC NEMA 18-30P UL Listed 3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8330A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL8331C**



HBL8330A



HBL8331C

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See pages A-49 and A-50 for accessories.

Dimensions in Inches (mm)

50A, 125V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

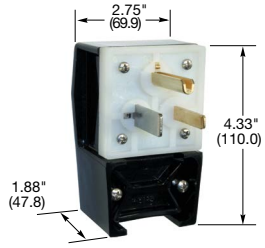


50A 125V
NEMA 5-50R
UL CSA
2 HP



50A 125V
NEMA 5-50P
UL CSA
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9360**	**–**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	**–**	**HBL9361**



HBL9361

50A, 250V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

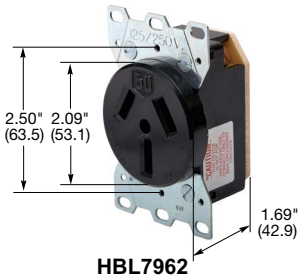


50A 250V
NEMA 6-50R
UL CSA
3 HP



50A 250V
NEMA 6-50P
UL CSA
3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9367**	**–**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	**–**	**HBL9368**



HBL7962

50A, 277V AC, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

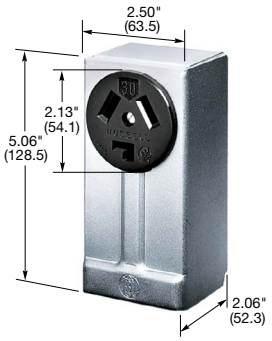


50A 277V AC
NEMA 7-50R
UL CSA
5 HP



50A 277V AC
NEMA 7-50P
UL CSA
5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9365**	**–**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	**–**	**HBL9379**



Representative of surface mount receptacle

50A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles, Connector Body and Plugs

IP20 SUITABILITY



50A 125/250V
NEMA 10-50R
UL Listed
3(2) HP



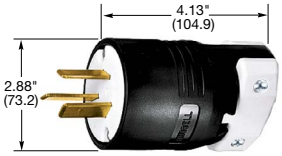
50A 125/250V
NEMA 10-50P
UL Listed
3(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black phenolic.	–	**HBL7962**	**–**
Receptacle, surface mount aluminum housing.	–	**HBL7940**	**–**
Connector body, Insulgrip, nylon.	.625"-1.218" (15.9-30.9)	**HBL7515C**	**–**
Plug, Insulgrip, nylon.	.625"-1.218" (15.9-30.9)	**–**	**HBL7513C**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	**–**	**HBL7977**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See pages A-49 and A-50 for accessories.

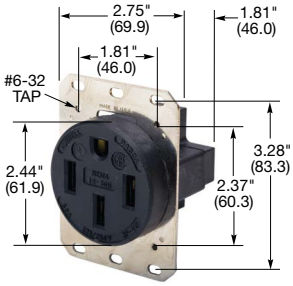


HBL7515C



HBL7513C

Dimensions in Inches (mm)



HBL9450A

50A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20
SUITABILITY



50A 125/250V NEMA 14-50R
UL CSA
3(2) HP



50A 125/250V NEMA 14-50P
UL CSA
3(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9450A**	**–**
Plug, nylon.	.625"-1.310" (15.9-33.3)	**–**	**HBL9451C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	**–**	**HBL9452C**



HBL9451C

50A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20
SUITABILITY

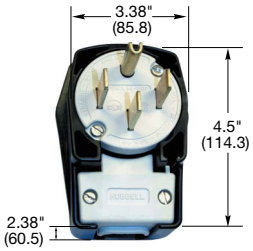


50A 3Ø 250V AC NEMA 15-50R
UL CSA
7.5 HP



50A 3Ø 250V AC NEMA 15-50P
UL CSA
7.5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8450A**	**–**
Plug, nylon.	.625"-1.310" (15.9-33.3)	**–**	**HBL8451C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	**–**	**HBL8452C**



HBL9452C

50A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20
SUITABILITY



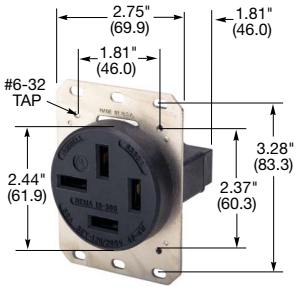
50A 3ØY 120/208V AC NEMA 18-50R
UL Listed
7.5 HP



50A 3ØY 120/208V AC NEMA 18-50P
UL Listed
7.5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8350A**	**–**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	**–**	**HBL8352C**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See page A-50 for accessories.



HBL8350A

Dimensions in Inches (mm)

60A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

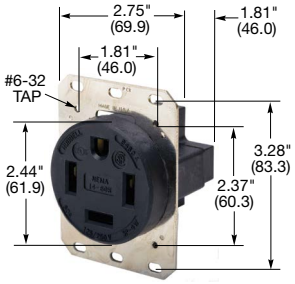


60A 125/250V NEMA 14-60R UL CSA 3(2) HP



60A 125/250V NEMA 14-60P UL CSA 3(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL9460A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL9461C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL9462C**



HBL9460A

60A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



60A 3Ø 250V AC NEMA 15-60R UL CSA 10 HP

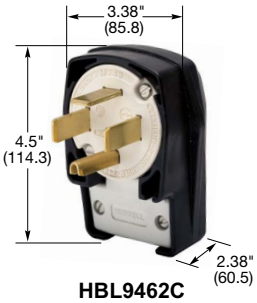


60A 3Ø 250V AC NEMA 15-60P UL CSA 10 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL8460A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL8461C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL8462C**



HBL9461C



HBL9462C

60A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY



60A 3ØY 120/208V AC NEMA 18-60R UL Listed 7.5 HP

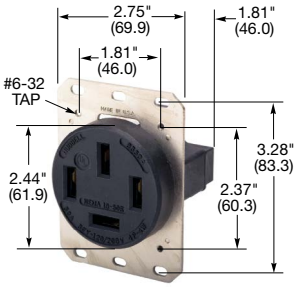


60A 3ØY 120/208V AC NEMA 18-60P UL Listed 7.5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	**HBL7301A**	–
Plug, nylon.	.625"-1.310" (15.9-33.3)	–	**HBL7303C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	–	**HBL7302C**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.

See page A-50 for accessories.



HBL7301A

Dimensions in Inches (mm)

Miscellaneous and Combination Receptacles

2 Pole, 3 Wire Grounding



HBL5236



HBL5235

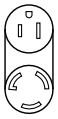
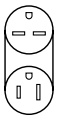
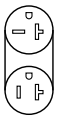
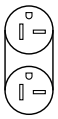


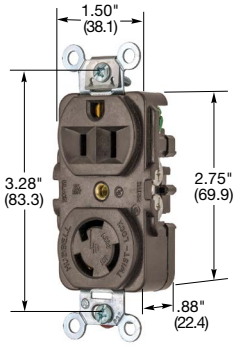
15A 125V
NEMA 5-15R
UL CSA
0.5 HP

Miscellaneous Receptacles

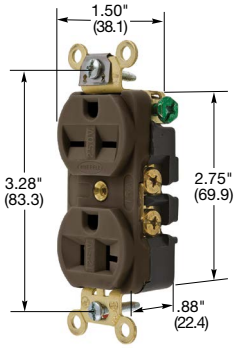
Description	Catalog Number
Receptacle, display type, brown phenolic with .060 in. brass plate and blank flush plug.	**HBL5236**
Replacement receptacle for HBL5236.	**HBL5236M2**
Replacement threaded plug for HBL5236.	**HBL5236PLUG***
Receptacle, wooden floors, brown phenolic with .060 in. brass plate, blank flush plug and box.	**HBL6236**
Receptacle, clock hanger, white with stainless steel plate.	**HBL5235**

Special Combination Duplex Receptacles

Description			Catalog Number
15A, 125V		Brown RTP, 1 feed, 1 return, back/side wired	**HBL4792**
		Brown RTP, 2 feeds, 1 return, side wired	**HBL4794**
15A, 125V		Brown RTP, 2 feeds, 2 returns, side wired	**HBL4795**
15A, 250V		Brown nylon face, 2 circuit, back and side wired	**HBL5292**
15A, 125V		Ivory nylon face, 2 circuit, back and side wired	**HBL5292I**
20A, 250V		Brown nylon face, 2 circuit, back and side wired	**HBL5492**
20A, 125V		Ivory nylon face, 2 circuit, back and side wired	**HBL5492I**
15A, 125V		Brown RTP, 2 feeds, 1 return, common ground	**HBL7371**
10A, 250V 15A, 125V			
20A, 125V		Brown nylon, side and back wired	**HBL5392**
20A, 125V		*Note: This device will only accept 20A grounding plugs.*	



HBL4792



HBL5292

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
**Not UL Listed or CSA certified.*
See page A-47 for accessories.

Dimensions in Inches (mm)

Accessories

For 15 and 20 Ampere, 125 and 250 Volts and 277 Volts AC Devices

Wallplates, 1-Gang

Description	Color	Duplex Receptacle	Style Line® Receptacle	Single Receptacle Plate 1.40 in. (35.6) Dia.
Thermoplastic, smooth.	Black	**P8BK**	**P26BK**	**P7BK**
	Brown	**P8**	**P26**	**P7**
	Gray	**P8GY**	**P26GY**	**P7GY**
	Ivory	**P8I**	**P26I**	**P7I**
	Light Almond	**P8LA**	**P26LA**	**P7LA**
	Orange	**P8OR**	**–**	**–**
	Red	**P8R**	**P26R**	**P7R**
	White	**P8W**	**P26W**	**P7W**
Stainless steel 302/304, .035 in. (0.9) horizontal brushed finish.		**SS8**	**SS26**	**SS7**
Brass .04 in. (1.0), horizontal brushed finish.		**SB8**	**SB26**	**SB7**
Aluminum .05 in. (1.3), horizontal brushed finish.		**SA8**	**–**	**SA7**



P8



P26I



SS7

Weatherproof Covers

Description	Duplex Receptacle	Single Receptacle Plate 1.40 in. (35.6) Dia.
RTP, gray, for FS/FD box mounting.	**HBL5221**	**HBL7423WO**
RTP, yellow, for FS/FD box mounting.	**HBL52CM21**	**HBL74CM23WO**
RTP, gray, for device mounting.	**HBL5222**	**–**
RTP, yellow, for device mounting.	**HBL52CM22**	**–**
Cast aluminum for FS/FD box mounting.	**HBL5206WO**	**HBL7420**
Cast aluminum for device mounting.	**HBL5205WO**	**–**

Note: All weatherproof plates are UL Listed for Wet Locations.
Those with suffix WO are listed for use with cover open, all others with cover closed.
RTP is an abbreviation for reinforced thermoplastic polyester.
See section O for additional information on cover plates.



HBL52CM22



HBL5206WO



HBL7423WO

Dimensions in Inches (mm)

Accessories

For 15 and 20 Ampere, 125 and 250 Volts and 277 Volts AC Devices



WP1

IP44 SUITABILITY

Weatherproof Covers
For Nylon Flanged Inlets and Flanged Receptacles

Description	Catalog Number
RTP, gray, for FS/FD box mounting.	**WP1**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See page O-21 for additional information on weatherproof covers.



HBL6017



HBL6018



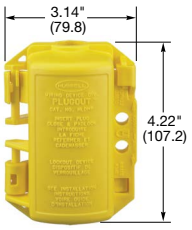
HBL60CM19
Shown with **HBL6018**

IP55* SUITABILITY

Weatherproof Boots

Description	Catalog Number
Seal-Tite® triple seal, black elastomer cover for Insulgrip® plugs (HBL5266C style), when used in a cord set, and connector bodies (HBL5269C style), when used with flanged inlets.	**HBL6017**
Same as above except yellow.	**HBL60CM17**
Seal-Tite® triple seal black elastomer cover for Insulgrip® connector bodies when used in a cord set.	**HBL6018**
Same as above except yellow.	**HBL60CM18**
Closure plug, black.	**HBL6019**
Closure plug, yellow.	**HBL60CM19**

*Note: *IP55 when installed and used properly with mating components.*
Boots are not UL Listed or CSA Certified.

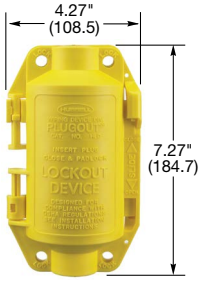


HLDMP

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout devices for 15 and 20A straight blade plugs.	**HLDMP****
PLUGOUT® Lockout device for 20 and 30A Hubbell plugs and others.	**HLD****

*Note: **Not UL Listed or CSA Certified.*
See section BB for additional information on lockout devices.



HLD

Inserts

Description	Catalog Number
Replacement cord grip inserts for Valise® device, (bag of 40).	**HBLVCGBK****

*Note: **Not UL Listed or CSA Certified.*

Dimensions in Inches (mm)

Accessories

For 3 Wire 30 and 50 Ampere, 125 and 250 Volts and 277 Volts AC

Wallplates

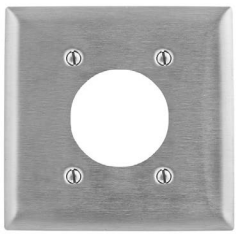
Description	Color	Single Receptacle Plate 2.16 in. (54.9) Dia.
Thermoplastic, smooth, 1-gang.	Black	**P724BK**
Thermoplastic, smooth, 2-gang.	Black	**P703BK**
Aluminum, .05 in. (1.3), 1-gang, smooth horizontal brushed finish.		**SA723**
Stainless steel 302/304, .035 in. (0.9), 1-gang, smooth horizontal brushed finish.		**SS723**
Stainless steel 302/304, .035 in. (0.9), 2-gang, smooth horizontal brushed finish.		**SS703**



P724BK



SS723



SS703

IP44 SUITABILITY

Weatherproof Lift Covers

Description	Catalog Number
Cast aluminum for FS/FD box mounting for 30A.	**HBL9420**
Cast aluminum for FS/FD box mounting for 50A.	**HBL9425**



HBL9420

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout device for 30, 50 and 60A devices.	**HLD2**

Note: See section BB for additional information on lockout devices.

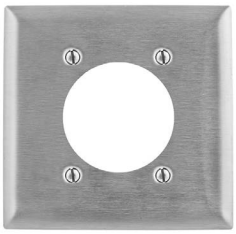


HLD2

Dimensions in Inches (mm)

Accessories

For 4 Wire 30, 50 and 60 Ampere, 125/250 Volts, 3Ø 250 and 3ØY 120/208 Volts AC



SS701

Wallplates, 2-Gang

Description	Single Receptacle Plate 2.48 in. (63.0) Dia.
Brass .04 in. (1.0), brushed, smooth.	**SB701**
Stainless steel 302/304, .035 in. (0.9), smooth horizontal brushed finish.	**SS701**



HBL7777A

IP44 SUITABILITY

Weatherproof Lift Covers

Description	Catalog Number
RTP, gray, lift cover plate. Will fit FS/FD boxes having plate mounting hole 3.25 in. x 3.75 in. (82.5 x 95.2), centers. Only for use with receptacles on pages A-40 to A-43 with “A" suffix.	**HBL7777A**
Same as above except yellow.	**HBL77CM77A**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.



HLD2

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout device for 30, 50 and 60A devices.	**HLD2**

Note: See section BB for additional information on lockout devices.

Dimensions in Inches (mm)

Technical Information



HBL8200GY

HBL® Extra Heavy Duty Max, Straight Blade Hospital Grade Duplex Receptacles

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL8200	Receptacle	15A
Manufacturer's Identification – Hubbell HBL8200	Top	PBT*
Description – Hospital Grade, Straight Blade Duplex Receptacle	Base	RTP**
Type – 2 Pole, 3 Wire, Grounding	By-Pass Power Contacts	.037 in. (.9) Brass – Nickel Finish
Rating – 15A, 125V	Clamping Plate	.031 in. (.8) Brass – Nickel Finish
Certification: UL Listed to UL 498 File E2186, Fed. Spec. WC596,	Mounting Strap	.050 in. (1.3) Brass – Nickel Finish
Hospital Grade, NEMA® WD-6 Compliant	Line Terminal Screws	#10-32 Silicone Bronze, Multiple Drive
Certified to CSA, C22.2, No. 42 File 285	Hex Head Grounding Screw	#10-32 (Green) Silicon Bronze, Multiple Drive
	Center Assembly Rivet	Silicon Bronze
	Automatic Self-Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Stainless Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-0 and UL 94-5 VA.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Polybutylene Terephthalate.*
***Reinforced Thermoplastic Polyester.*

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Technical Information



HBL5262

HBL® Extra Heavy Duty Max, Straight Blade Specification Grade Duplex Receptacles

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL5262	Receptacle	15A
Manufacturer's Identification – Hubbell HBL5262	Top	Nylon
Description – Heavy Duty Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire, Grounding	By-Pass Power Contacts	.037 in. (.9) Brass
Rating – 15A, 125V	Wire Clamps	.031 in. (.8) Brass
Certification: UL Listed to UL498 File E2186, Guide RTRT	Mounting Strap	.050 in. (1.3) Brass
Fed. Spec. WC596, Meets NEMA® WD-6 Compliant	Line Terminal Screws	#10-32 Brass, Multiple Drive
Certified to CSA, C22.2, No. 42 File 285	Ground Screw	#10-32 Brass, Multiple Drive (Green)
	Center Assembly Rivet	Brass
	Automatic Self-Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Steel-Zinc Plated
	Ground Tension Clips	Steel-Nickel Finish

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	Top: UL 94V-2. Base: UL 94V-0 and UL 94-5 VA.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*

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Technical Information



HBL5252

HBL® Compact Extra Heavy Duty Max, Straight Blade Specification Grade Receptacles

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL5252	Receptacle	15A
Manufacturer's Identification – Hubbell HBL5252	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.032 in. (.8) Brass
Rating – 15A, 125V	Wire Clamps	.062 in. (1.8) Steel
Certification – UL Listed to UL 498 File E2186,	Mounting Strap	.050 in. (1.3) Brass
Fed. Spec. WC596, Certified to CSA 22.2, No. 42 File 285	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive (Green)
	Center Assembly Rivet	Brass
	Automatic Self-Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Steel-Zinc Plated

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*
Please consult the factory for product dimensions and specifications of other products listed in this catalog.

Technical Information



HBL2152



HBL2172

HBL® Compact Heavy Duty Style Line®, Specification Grade and Hospital Grade Straight Blade Duplex Receptacles

Specifications

Receptacle	Part	Description
Typical Specification – Catalog No. HBL2152	Receptacle	15A
Manufacturer's Identification – Hubbell HBL2152 Receptacle	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	Nylon
Type – 2 Pole, 3 Wire Grounding	Triple Wipe Power Contacts	.031 in. (.8) Brass
Rating – 15A, 125V	Wire Clamp	.062 in. (1.8) Steel-Nickel Finish
Certification – UL File No. E2186	Mounting Strap	.050 in. (1.3) Galvanized Steel
Certified to CSA File No. 285	Ground Contact	.031 in. (.8) Brass
	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Receptacle	Part	Description
Typical Specification – Catalog No. HBL2172	Receptacle	15A
Manufacturer's Identification – Hubbell HBL2182 Receptacle	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire Grounding	Triple Wipe Power Contacts	.031 in. (.8) Brass
Rating – 15A, 125V	Wire Clamp	.062 in. (1.8) Steel-Nickel Finish
Certification – UL Listed to UL498 File E2186,	Mounting Strap	.050 in. (1.3) Galvanized Steel
Fed. Spec. WC596, Certified to CSA File No. 285	Ground Contact	.031 in. (.8) Brass
	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*

Please consult the factory for product dimensions and specifications of other products listed in this catalog.

Technical Information



SNAP8200WA



SNAP2182A



SNAP5362IA

SNAP*Connect*® Straight Blade Duplex Receptacles Specification Grade and Hospital Grade

Specifications

Receptacle	Part	Description
Typical Specification – Catalog No. SNAP8200	Receptacle	15A
Manufacturer's Identification – Hubbell SNAP8200	Top	Nylon
Description – Straight Blade Duplex Receptacle	Base	Nylon
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	Brass
Rating – 15A, 125V	Mounting Strap	Galvanized Steel; Brass (HG)
Certification – UL Listed to UL 498	Automatic Self-Grounding Clip	Stainless Steel
Fed. Spec. WC596, Certified to CSA 22.2, No. 42	Flat Head Mounting Screws	Steel-Zinc Plated/Self Tapping

Connector	Contact	Connector Body	Wire
SNAP1RA	Brass	Clear Polycarbonate	6" Solid copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (min).
SNAP2RA	Brass	Clear Polycarbonate	6" Stranded copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (min).

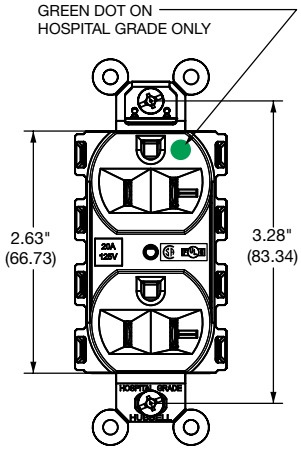
Performance

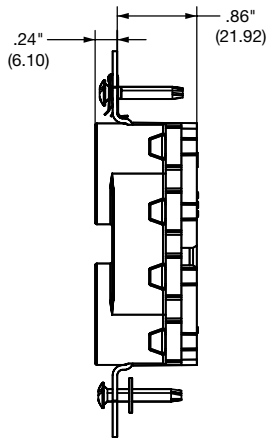
Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V as rated.
Current Interrupting	Receptacle certified for current interrupting at full rated current with equivalently rated NEMA® plug.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated DC current.

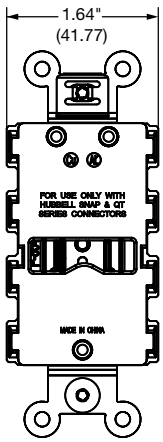
Mechanical	
Terminal Wire Leads Identification	Terminal wire leads identified in accordance with UL 498 (Black, White, Green).
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (without impact).

Dimensions









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Technical Information



8200REDLTRA



2182IVLTRA

Hubbell-PRO Heavy Duty, Straight Blade Hospital Grade Duplex Receptacles

Specifications

Receptacle	Part	Description
Typical Specification - Catalog No. 8200	Receptacle	15A
Manufacturer's Identification - Hubbell-PRO 8200	Top	Nylon
Description - Straight Blade Hospital Grade Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.0295 in. Brass
Rating - 15A, 125V	Clamping Plate	Plated Steel
Certification - UL Listed to UL 498, Fed. Spec. WC596	Mounting Strap	.040 in. Galvanized Steel
Hospital Grade, NEMA® WD-6 Compliant	Terminal Screws	Plated Steel
Certified to CSA	Hex Head Grounding Screw	Plated Steel
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

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Technical Information



USB8300C5R



USB15AC5W

USB Charger Tamper-Resistant, Straight Blade Hospital Grade and Specification Grade Duplex Receptacles

Specifications

USB Charger Receptacle	Part	Description
Typical Specification - Catalog No. USB8300A5 Manufacturer's Identification - Hubbell USB8300A5	Charger Receptacle	Electrical 20 Amp 125V AC USB 5.0 Amp 5V DC
Available Type USB Charger	Ports	Type A, A&C or C
	LED	Green Indicator
Receptacle	Top	Nylon
Description - Hospital Grade, Straight Blade Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.030 in. Cooper Alloy
Rating - 15 or 20 Amp, 125V AC, USB 5 Amp, 5V DC	Clamping Plate	Plated Steel
	Mounting Strap	.040 in. Galvanized Steel
Certification – cULus Listed to UL498 and UL1310	Terminal Screws	Plated Steel
Hospital Grade, NEMA® WD-6 Compliant (USB8200 and	Hex Head Grounding Screw	Plated Steel
8300 series only)	Automatic Self-Grounding Staple	Stainless Steel
Complies with battery charging specification USB BC1.2	Mounting Screws	Zinc Plated Steel
Complies with Part 15 of the FCC rules		
Compatible with USB 1.1/2.0/3.0 devices, including Apple products		

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
USB Port	Stainless Steel Rated for 10,000 plug insertions and removal
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Circuit Feed-Through	20 Amp 125 Volt

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

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Technical Information



5252AB



5262B

Hubbell-PRO Extra Heavy Duty, Straight Blade Specification Grade Duplex Receptacles

Specifications

Receptacle, Smooth Nylon Face	Part	Description
Typical Specification – Catalog No. 5252AB	Receptacle	15A
Manufacturer's Identification – Hubbell 5252AB Receptacle	Top	Polycarbonate
Description – Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.031 in. (.8) Brass
Rating – 15A, 125V	Wire Clamp	.062 in. (1.8) Steel-Nickel Finish
Certification – UL Listed to UL498 File E2186	Mounting Strap	.040 in. (1) Galvanized Steel
Fed. Spec. WC596, Certified to CSA 22.2, No. 42	Ground Contact	.031 in. (.8) Brass
NEMA® WD-6 Compliant	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive
	Center Assembly Staple	.040 in. (1) Galvanized Steel
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Receptacle, Finder Groove Face	Part	Description
Typical Specification – Catalog No. 5262B	Receptacle	15A
Manufacturer's Identification – Hubbell 5262B Receptacle	Top	Polycarbonate
Description – Straight Blade Duplex Receptacle	Base	RTP*
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.031 in. (.8) Brass
Rating – 15A, 125V	Wire Clamp	.062 in. (1.8) Steel-Nickel Finish
Certification – UL Listed to UL498 File E2186	Mounting Strap	.040 in. (1) Galvanized Steel
Fed. Spec. WC596, Certified to CSA C22.2, No. 42	Ground Contact	.031 in. (.8) Brass
NEMA® WD-6 Compliant	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive
	Center Assembly Staple	.040 in. (1) Galvanized Steel
	Automatic Self-Grounding Clip	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*
Please consult the factory for product dimensions and specifications of other products listed in this catalog.

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Technical Information


CRF15I


BR15LA


DR20I


CR20TR


DR20GRYWR

Commercial Specification Grade Receptacles

Specifications

Part	Standard	Weather Resistant
Top	Polycarbonate	Polycarbonate (UV Rated)
Base	Nylon	Nylon
Double Wipe Power Contacts	.030 in. (.8) Brass	.030 in. (.8) Brass
Wire Clamp	.062 in. (1.6) Steel-Nickel Plated	.062 in. (1.6) Steel-Nickel Plated
Finish		
Mounting Strap	.040 in. (1) Galvanized Steel	.040 in. (1) Galvanized Steel
Ground Contact	.031 in. (.8) Brass	.031 in. (.8) Brass
Line Terminal Screws	#8-32 Plated Steel, Multiple Drive	#8-32 Stainless Steel, Multiple Drive
Ground Screw	#8-32 Plated Steel, Multiple Drive	#8-32 Stainless Steel, Multiple Drive
Automatic Self-Grounding Staple	Stainless Steel	Stainless Steel
Mounting Screws	Zinc Plated Steel	Stainless Steel
Certification		
UL Listed	UL498	UL498
Fed. Spec	WC596	WC596*
Certified to CSA	C22.2, No. 42	C22.2, No. 42

Performance

Electrical		
Dielectric Voltage	Withstands 2,000V minimum.	Withstands 2,000V minimum.
Max. Working Voltage	125V.	125V.
Current Interrupting	Certified for current interrupting at full rated current.	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current.	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current.
Mechanical		
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.	Ratings are a permanent part of the device.
Environmental – Material		
Flammability	UL 94V-2.	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Decorator and Commercial Tamper-Resistant devices are not Fed. Spec. Listed.*

Technical Information



HBL415I

4-PLEX® Receptacles

Specifications

Receptacle	Part	Description
Typical Specification – Catalog No. HBL415	Receptacle	15 or 20A
Manufacturer's Identification – Hubbell 4-PLEX HBL415	Top	Polycarbonate
Description – Straight Blade, Multiple Outlet Receptacle	Base	Polycarbonate
Type – 2 Pole, 3 Wire, Grounding	Power Contacts	.032 in. (.8) Brass
Rating 15A, 125V	Ground Contacts	.031 in. (.8) Brass
Certification – Listed to UL Standard 498 File E2186	Ground Plate	.032 in. (.8) Plated Steel
Certified to CSA 22.2, No. 42 File 285	(Hospital Grade)	.050 in. (1.3) Plated Steel
	Line and Neutral Terminal Plate	.031 in. (.8) Brass
	Line Terminal Screw	#8-32 Brass
	Ground Screw	#8-32 Brass (Green)

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Capable of withstanding a fault level of 1000A, per UL498.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload current at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-12 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Technical Information

Insulgrip® Plugs and Connector Bodies



HBL5266C



HBL5269C

Specifications

Plugs	Part	Description	
Typical Specification – Catalog No. HBL5266C		Plug	15A
Manufacturer's Identification – Hubbell HBL5266C		Housing	Nylon – Black
Description – Straight Body Plug		Blade Holder	Nylon – Natural
Type – 2 Pole, 3 Wire, Grounding		Retainer	Polycarbonate – Clear
Rating – 15A, 125V		Cord Clamp	Nylon – Natural
Verified to Fed. Spec. WC596		Contact Blades	.060 in. (1.5) Brass
Certification – UL Listed to UL498 File E1706,		Ground Contact Blade	.040 in. (1.0) Copper Alloy
CSA Certified to C22.2 No. 42 File 280		Line Terminal Screws	#8-32 Brass, Multiple Drive
IP Suitability – IP20		Ground Screw	#8-32 Brass, Multiple Drive (Green)
		Wire Clamps	.062 in. (1.6) Steel – Nickel Finish

Connector Bodies	Part	Description
Typical Specification – Catalog No. HBL5269C	Connector Body	15A
Manufacturer's Identification – Hubbell HBL5269C	Housing	Nylon – Black
Description – Straight Body Connector	Contact Holder	Nylon – Natural
Type – 2 Pole, 3 Wire, Grounding	Retainer	Polycarbonate – Clear
Rating – 15A, 125V	Cord Clamp	Nylon – Natural
Verified to Fed. Spec. WC596	Power Contacts	.040 in. (1.0) Copper Alloy
Certification – UL Listed to UL498 File E1706,	Line Terminal Screws	#8-32 Brass, Multiple Drive
CSA Certified to C22.2 No. 42 File 280	Ground Screw	#8-32 Brass, Multiple Drive (Green)
IP Suitability – IP20	Wire Clamps	.062 in. (1.6) Steel – Nickel Finish

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green).
Terminal Accommodation	#18-10 AWG copper conductors only.
Product Identification	Ratings are a permanent part of the device.
Torque Range	12 in./lb. terminal screws, 7 in./lb. assembly screws.
Cord Diameter Range	.230–.720 in. (5.8–18.3) integral cord grip.

Environmental – Material	
Flammability	UL 94HB or better.
Operating Temperature	Maximum continuous 75°C; minimum – 40°C (w/o impact).

Technical Information

Valise® Plugs and Connectors



HBL5965VY



HBL5969VY

Specifications

Plugs	Part	Description
Typical Specification – Catalog No. HBL5965VY	Plug	15A
Manufacturer's Identification – Hubbell HBL5965VY	Housing	Nylon
Description – Straight Body Plug	Contact Blades	Brass
Type – 2 Pole, 3 Wire, Grounding	Ground Blade	Brass
Rating – 15A, 125V	Line Terminal Screws	Steel-Copper, Multiple Drive
Verified to Fed. Spec. WC596	Ground Screw	Steel (Green), Multiple Drive
Certification – UL Listed to UL 498 File E1706, CSA Certified to C22.2 No. 42 File 280C	Cable Inserts	Poly Phenylene Oxide
	Wire Clamps	Steel
IP Suitability – IP20	Body Holding Screws	Steel, Multiple Drive

Connector Bodies	Part	Connector
Typical Specification – Catalog No. HBL5969VY	Connector Body	15A
Manufacturer's Identification – Hubbell HBL5969VY	Housing	Nylon
Description – Straight Body Connector	Contact and Ground Springs	Brass
Type – 2 Pole, 3 Wire, Grounding	Line Terminal Screws	Steel-Copper, Multiple Drive
Rating – 15A, 125V	Ground Screw	Steel (Green), Multiple Drive
Verified to Fed. Spec. WC596	Cable Inserts	Poly Phenylene Oxide
Certification – UL Listed to UL 498 File E1706, CSA Certified to C22.2 No. 42 File 280C	Wire Clamps	Steel
	Body Holding Screws	Steel, Multiple Drive
IP Suitability – IP20		

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	Copper conductors only. 2 Wire 15A Only #18-14 AWG, 2 Wire 20A & 3 Wire #18-12 AWG, Hospital Grade #16-12 AWG, I.D. Valise #18-16 AWG.
Product Identification	Molded Rating on Device Face.
Torque	12 in./lb. terminal screws, 7 in./lb. assembly screws.
Cord Diameter Range	2-Wire 15A Only .218–.385 in. (5.5–9.8), 2-Wire 20A & 3 Wire .220–.660 in. (5.6–16.8), Hospital Grade .300–.660 in. (7.6–16.8), I.D. Valise .230–.360 in. (5.8–9.1).

Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Standards
NEMA® WD1
NEMA® Configurations
Listed to UL Standard UL498
Certified to CSA Standard C22.2 No. 42
Verified to Federal Spec WC596

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Technical Information

IEC 320 Devices



H320R H320C H320P H320B

Specifications

Receptacle	
Catalog Number	H320R
Description	IEC Configuration compatible straight blade panel mount receptacle.
Type	2 Pole + earth.
Rating	16A 250V AC for European service; 20A 250V AC for North American service.
Certification	UL Listed 20A 250V AC – File No. E2186; CSA Certified 20A 250V AC – File No 17337.
Terminal Accommodation	North American – #16-12 AWG stranded or solid copper conductor only. International – 1.55mm2–2.5mm2.
Connector	
Catalog Number	H320C
Description	IEC Detachable straight blade connector.
Type	2 Pole + earth.
Rating	16A 250V AC for European service; 20A 250V AC for North American service.
Configuration	IEC 60320-1 Style appliance coupler, C19.
Certification	UL Listed 20A 250V AC – File No. E1706; CSA Certified 20A 250V AC – File No. 17337; UL Classified to IEC 320, 16A 250V AC – File No. E111246;
Cord Accommodation	North American – 16/3SJ-12/3SJ (.325–.475 in. dia.); International – (HAR cord) 3x1.5mm2–3x2.5mm2 (8mm–12mm dia.).
IP Suitability	IP20.
Plug	
Catalog Number	H320P
Description	IEC Configuration compatible straight blade Valise® plug.
Type	2 Pole + earth.
Rating	16A 250V AC for European service; 20A 250V AC for North American service.
Certification	UL Listed 20A 250V AC – File No. E1706; CSA Certified 20A 250V AC – File No. 17337.
Cord Accommodation	North American – 16/3 SJ-12/3SJ (.325–.475 in. dia.); International – (HAR cord) 3x1.5mm2 3x2.5mm2 (8–12mm dia.).
IP Suitability	IP20.
Inlet	
Catalog Number	H320B and H320BL
Description	IEC Straight blade panel mount power inlet.
Type	2 Pole + earth.
Rating	16A 250V AC for European service; 20A 250V AC for North American service.
Configuration	IEC 60320-1 Style appliance coupler, C20.
Certification	UL Listed 20A 250V AC – File No. E1706; CSA Certified 20A 250V AC – File No. 17337; UL Classified to IEC 320, 16A 250V AC – File No. E111246; VDE Certified at 16A 250V AC – File No. 12469 1550 1002.
Terminal Accommodation	North American – #16-12 AWG stranded or solid copper conductor only. International – 1.5mm2–2.5mm2.

Technical Information



HBL9431C



HBL9430A

Heavy Duty Insulgrip® Plugs and Receptacles

Specifications

Plug	Part	Description
Typical Specification - Catalog No. HBL9431C	Plug	30A
Manufacturer's identification - Hubbell HBL9431C	Housing	Supertough Nylon
Description - Straight Body Plug	Blade Holder & Retainer	Reinforced Thermoplastic Polyester
Type - 3 Pole, 4 Wire, Grounding	Blades	Brass
Rating - 30A, 125/250V	Terminal Screws	⅜ in. Allen Head, Plated Steel
Certification - UL Listed File E1706, CSA Certified*	Box Terminals	Copper Alloy
IP Suitability - IP20	Cord Clamps	Reinforced Thermoplastic Polyester
	Mounting and Clamp Screws	Stainless Steel
	Cord Grip Range	.625–1.310 in. (15.9–33.3)

Receptacle	Part	Description
Typical Specification - Catalog No. HBL9430A	Receptacle	30A
Manufacturer's Identification - Hubbell HBL9430A	Housing Construction	Reinforced Thermoplastic Polyester
Description - Single Receptacle	Mounting Plate	.062 in. (1.5) Pre-Plated Steel
Type - 3 Pole, 4 Wire, Grounding	Contacts	Brass
Rating - 30A, 125/250V	Ground Shunt	Brass
Certification - UL Listed File E2186, CSA Certified	Terminal Screws	⅜ in. Allen Head, Plated Steel
	Box Terminals	Copper

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interruption	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.

Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation	#12 AWG through #4 AWG copper wire only.
Production Identification	Ratings are a permanent part of the device.

Environmental	
Flammability	Receptacle: UL 94 VO. Plug: UL 94 HB (Housing), UL 94 VO (Blade Holder and Retainer).
Operating Temperature	Maximum continuous 60°C, minimum -40°C (w/o impact).

*Note: *Listed to UL Standard 498 (Attachment Plugs and Receptacles), Certified to CSA Standard 42M (General Use Receptacles, Attachments, Plugs and Singular Wiring Devices) where applicable.*

SECTION B

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Twist-Lock® Devices



50A Twist-Lock® Devices



Hubbellock® Devices



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Products at a Glance



Insul-Lock™ Plus Connectors
- 20A 250V AC rated
- Rated for disconnect under load
- IP65 rated
- Interchangeable with other similar brands

Insul-Lock™ Connectors
- 25A 250V AC and DC rated
- Do not connect or disconnect under load
- Color coded blue for power in & gray for power out



Midget Twist-Lock® Devices
- Smaller body size for use in tighter fit applications where larger products can't
- Abuse resistant nylon housing

Midget Valise® Devices
- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals
- Patented locking lugs interlock the two sections together providing a secure assembly



Insulgrip® Twist-Lock® Devices
- Tough ribbed nylon housing for secure gripping
- Insulated nylon construction to keep non-current carrying parts from becoming energized
- Integral dust shield protects wiring chamber from dust and contaminants
- Voltage color coding on receptacle face facilitates proper mating of devices



Safety-Shroud® Twist-Lock® Devices
- Tough nylon shroud protect blades from damage and abuse
- Prevents exposure to potential arc
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147
- Accepts conventional NEMA locking plugs



Watertight Safety-Shroud® Devices
- Gland seal prevents water ingress at cord entrance
- Strong PBT body for heavy duty applications
- Closure cap creates environmental seal when device is not in use
- Vsible color coded rating label on devices ensure proper mating



50 Amp Insulgrip® Devices
- Heavy duty design built for heavy duty applications
- Thermoplastic cord grips are designed with offset gripping jaws to hold connectors as well as the jacket
- Stainless steel shroud restricts mismating with the wrong device
- Padlock capable shroud allows compliance to OSHA lockout/tagout regulation 29 CFR 1910.147



Hubbellock® Devices
- Enhanced safety because access to live female contacts is restricted by the spring-loaded safety shutter
- No “lazy” connections because a spring-loaded safety shutter automatically ejects the plug if it hasn’t been properly locked into the female device. This eliminates teasing of the contacts, a major cause of contact burn-up

Twist-Lock® Devices

Features and Benefits

Miniature 20 & 25 Amp Power Connections for Entertainment Applications

Ideal for use with LED lighting and other applications including multiple screen video walls. The rear of the connector is black to blend in when used in visible areas.

Available in both inline and panel mount styles, Hubbell's Insul-Lock™ Connectors have a quick release, vibration resistant latch. Hubbell's connections intermate with other similar brands.



Insul-Lock™ Plus Connectors

- 20A 250V AC rated
- Rated for disconnect under load
- IP65 rated
- Panel mount devices accept commonly available .25" spade style connectors
- Industry standard mating, interchangeable with installed base



Insul-Lock™ Connectors

- 25A 250V AC and DC rated
- Do not connect or disconnect under load
- Color coded blue for power in and gray for power out
- Industry standard mating Interchangeable with installed base
- Impact-resistant thermoplastic construction; suitable for use in UL1640 applications



Housing Design

- 20A 250V AC rated
- Impact-resistant thermoplastic construction
- Industry standard mating, interchangeable with installed base
- UL 50E enclosure Type 4 rated when used with mating connector or with panel mount and watertight cover



Connector Housing

- 25A 250V AC and DC rated
- Insulgrip style body design for a secure grip
- Color coded blue for power in and gray for power out
- Do not connect or disconnect under load



Connector Body

- Connectors accept up to 12/3 AWG SO cable which meets NEC 520.68 requirements for extra-hard usage cords or cables
- Multiple strain relief collets to accommodate cable range



Locking Latch

- Turn and latch feature prevents nuisance disconnects
- Quick release locking latch to ensure positive connection
- Connectors accept up to 12/3 AWG SO cable meets NEC 520.68 requirements for extra-hard usage cords or cables



Contacts

- Panel mount devices accept commonly available .25" spade style connectors



Panel Mount

- Divided panel mounts available for use with non-insulated terminations
- Panel mount devices accept commonly available .25" spade style connectors; simplifies installation for domestic OEM's

Miniature 20 & 25 Amp Power Connections for Entertainment Applications









Insul-Lock™ Plus Inline Connectors

Description	Male Connector Power In	Female Connector Power Out
20 Amp locking cable connector, screw terminals	**HBLMC**	**HBLFC**

Insul-Lock™ Plus Panel Mounts

Description	Inlet	Outlet
20 Amp ¼" tab terminations without divider	**HBLMP**	**HBLFP**
20 Amp ¼" tab terminations, with divider	**HBLMPD**	**HBLFPD**
20 Amp Inlet-outlet combination, ¼" tab terminations, divided	**HBLMFPD**	

Insul-Lock™ Plus Accessories

Description	Inlet	Outlet
Spring loaded watertight cover	**HBLMPC**	**HBLFPC**
Watertight dust protection cap with chain	**HBLMPDC**	**HBLFPDC**
Spring loaded watertight cover, inlet-outlet combination	**HBLMFPC**	
Watertight dust protection cap with chain, inlet-outlet combination	**HBLMFPDC**	

Insul-Lock™ Plus Certifications

UL Recognized component for USA and Canada
Connectors are rated UL50E Enclosure type 4X when used with mating connector or with panel mount and watertight cover.
Panel Mounts are rated UL50E Enclosure type 4X with the cover closed or with the mating connectors.
IP65 Rated

Rated for connection and disconnection under load.







Insul-Lock™ Inline Connectors

Description	Male Connector Power In (Blue)	Female Connector Power Out (Gray)
25 Amp locking cable connector, screw terminals	**HBLCPIBL**	**HBLCPOGY**

Insul-Lock™ Panel Mounts

Style	Power In (Blue)	Power Out (Gray)
25 Amp ¼" tab terminations without divider	**HBLPMIBL**	**HBLPMOGY**
25 Amp ¼" tab terminations with divider	**HBLPMIDBL**	**HBLPMODGY**

Insul-Lock™ Accessories

Description	Catalog Number
Panel mount retainer plate (also compatible with HBLMP & HBLMPD)	**HBLPMRP**
Panel mount M3x.5 screw, 8mm long	**HBLPMSC**

Insul-Lock™ Certifications

UL Recognized component for USA and Canada
VDE Certified

Do not connect or disconnect under load.

Dimensions in Inches (mm)

Features and Benefits

Midget 15 Amp Plugs and Connector Bodies

Hubbell's Valise® insulation displacement terminal for Midget Twist-Lock® Plugs and Connector Bodies are the right choice for economy, wiring speed and long life.

- Nylon webs join two sections together which makes assembly of the Valise® style device quick and easy
- Patented locking lugs interlock the two sections together when the device is assembled providing a secure assembly
- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals
- "TURN & PULL" marking is highly visible, reducing possible damage to equipment by attempting disconnection prior to unlocking



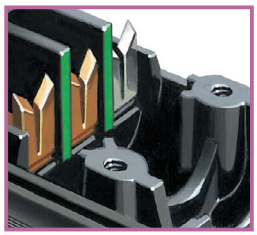


Note: The cut-away views below are construction elements pertaining specifically to the Valise® style series.



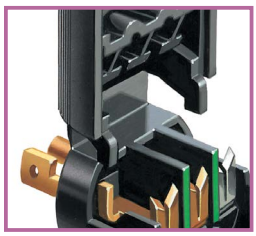
Housing Design

- Totally insulated body adds extra measure of safety
- Abuse resistant nylon housing



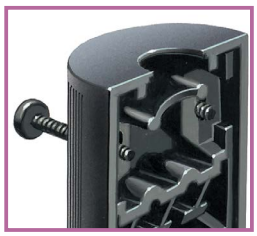
Contacts

- The insulation displacement terminal reduces the time required for wire preparation and provides uniformity in the quality of termination
- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals



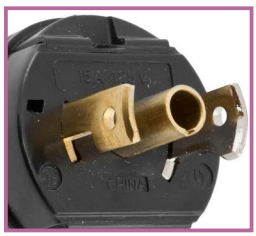
One-Piece Design

- Nylon webs join two sections together which makes assembly of the device quick and easy
- Patented locking lugs interlock the two sections together when the device is assembled providing a secure assembly, even in the most abusive environments



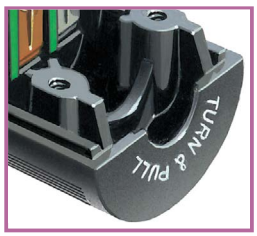
Assembly

- Assembly screws have multiple drive heads for screwdriver versatility. Only two assembly screws are needed to close this device, make the wire terminations and retain the cord



Identification

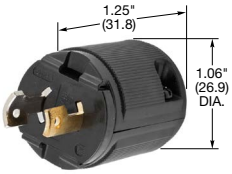
- Rating marked on surface provides quick, sure circuit identification



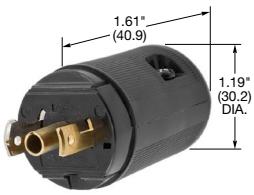
Markings

- "TURN & PULL" marking is highly visible, reducing possible damage to equipment by attempting disconnection prior to unlocking

Midget Plugs and Flanged Inlets



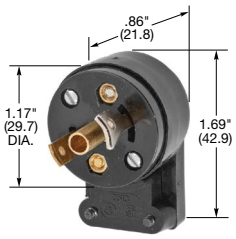
HBL7465V



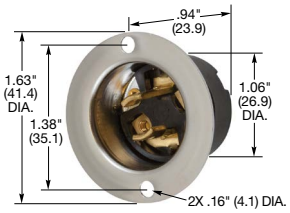
HBL7594V



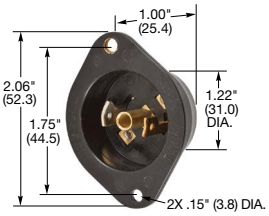
HBL7594



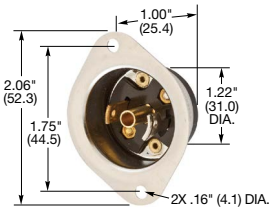
HBL7570



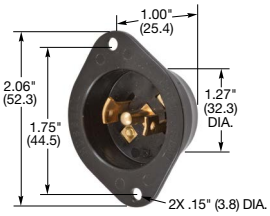
HBL7466, HBL7467



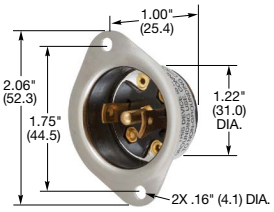
HBL7595N



HBL7595



HBL7486N



HBL7486

Dimensions in Inches (mm)

IP20 SUITABILITY

Plugs

Description	Cord Dia.	Catalog Number 15A 125V NEMA ML-1P	15A 125V NEMA ML-2P	15A 125/250V AC NEMA ML-3P
Valise® plug, black nylon, multiple drive screw terminals.	.220"-.385" (5.6-9.8)	**HBL7465V***	–	–
Valise® plug, black nylon, insulation displacement terminals.	.300"-.430" (7.6-10.9)	–	**HBL7594V**	–
Black nylon cover, phenolic body, multiple drive screw terminals.	.281"-.421" (7.1-10.7)	–	**HBL7594**	–
Angle plug, black nylon cover, phenolic body, multiple drive screw terminals.	.335"-.421" (8.5-10.7)	–	**HBL7570**	–
Valise® plug, black nylon, with insulation displacement terminals.	.300"-.430" (7.6-10.9)	–	–	**HBL7485V***
Black nylon body, phenolic base, multiple drive screw terminals, cord grip.	.281"-.421" (7.1-10.7)	–	–	**HBL7485***
Same as above, except angle cord grip.	.335"-.421" (8.5-10.7)	–	–	**HBL7432***

Flanged Inlets

Description	Catalog Number		
Stainless steel flange, polarized, exposed terminals.	**HBL7467***	–	–
Stainless steel flange, not polarized, exposed terminals.	**HBL7466***	–	–
Exposed terminals, black nylon flange.	–	**HBL7595N**	–
Exposed terminals, stainless steel flange.	–	**HBL7595**	–
Covered terminals, stainless steel flange, accepts cord .500" (12.7) dia.	–	**HBL7551**	–
Exposed terminals, black nylon flange.	–	–	**HBL7486N***
Exposed terminals, stainless steel flange.	–	–	**HBL7486***

Note: See page B-8 for accessories.
**UL Listed only.*
Male ML-2P devices have hollow center ground sleeves.
Male ML-3P devices have solid center neutral pins.

Midget Connector Bodies and Flanged Receptacles

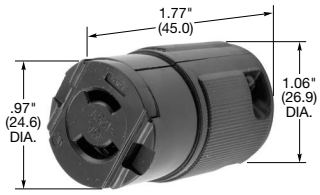
Connector Bodies

Description	Cord Dia.	IP20 SUITABILITY 15A 125V NEMA ML-1R	15A 125V NEMA ML-2R	15A 125/250V AC NEMA ML-3R
Valise® connector body, black nylon, polarized, multiple drive screws.	.220"-.385" (5.6-9.8)	**HBL7464V***	–	–
Valise® connector body, black nylon, insulation displacement terminals.	.300"-.430" (7.6-10.9)	–	**HBL7593V**	–
Black nylon cover, phenolic body, screw terminals.	.281"-.421" (7.1-10.7)	–	**HBL7593**	–
Angle connector body, black nylon cover, phenolic body, screw terminals.	.335"-.421" (8.5-10.7)	–	**HBL7571**	–
Valise® type, black nylon, with insulation displacement terminals.	.300"-.430" (7.6-10.9)	–	–	**HBL7484V***
Black nylon body, phenolic base, cord grip.	.281"-.421" (7.1-10.7)	–	–	**HBL7484***
Same as above, except for angle cord grip.	.335"-.421" (8.5-10.7)	–	–	**HBL7433***

Flanged Receptacles

Description	Catalog Number		
Stainless steel flange, exposed terminals.	**HBL7468***	–	–
Exposed terminals, black nylon flange.	–	**HBL7596N**	–
Exposed terminals, stainless steel flange.	–	**HBL7596**	–
Covered terminals, stainless steel flange, accepts cord .500" (12.7) in dia.	–	**HBL7598**	–
Exposed terminals, black nylon flange.	–	–	**HBL7487N***
Exposed terminals, stainless steel flange.	–	–	**HBL7487***
Covered terminals, stainless steel flange, accepts cord .500" (12.7) in diameter.	–	–	**HBL7489***

Note: See page B-8 for accessories.
**UL Listed only.*
Female ML-2R devices have solid center ground pins.
Female ML-3R devices have hollow center neutral sleeves.



HBL7464V



HBL7593V



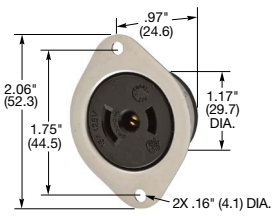
HBL7593



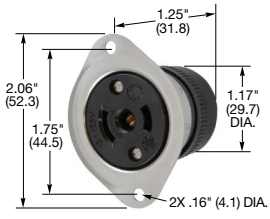
HBL7571



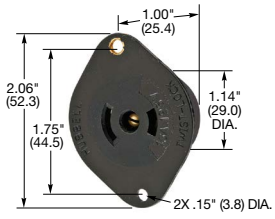
HBL7484V



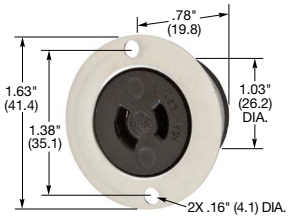
HBL7596



HBL7598



HBL7596N



HBL7468

Dimensions in Inches (mm)

Midget Accessories



HBL7490V



HBL7459V



HBL4890



HBL7495V



HBL7440V



HBL4889

Weatherproof Accessories for ML-1

Description	Catalog Number
Seal-tite® cover, black elastomer, for use with a HBL7465V plug when used with a HBL7464V connector body or a HBL7464V connector when used with a flanged inlet.	**HBL7490V***
Seal-tite® cover, black elastomer, for use with a HBL7464V connector body and combination of HBL7465V plug and HBL7490V cover.	**HBL7459V***
Closure cover for use with HBL7466 or HBL7467. Bead chain is nickel-plated.	**HBL4890**

Weatherproof Accessories for ML-2

Description	Catalog Number
Seal-Tite® cover, black elastomer, for use with a HBL7594V plug when used with a HBL7593V connector body or a HBL7593V connector body when used with a flanged inlet.	**HBL7495V***
Seal-Tite® cover, black elastomer, for use with a HBL7593V connector body and a combination of HBL7594V plug and HBL7495V cover.	**HBL7440V***
Closure cover for use with HBL7595 or HBL7595N.	**HBL4889**

Weatherproof Accessories for ML-3

Description	Catalog Number
Seal-Tite® cover, black elastomer, for use with a HBL7485V or HBL7485 plug when used with a HBL7484V or HBL7484 connector body when used with a flanged inlet.	**HBL7495V***
Seal-Tite® cover, black elastomer, for use with a HBL7484V or HBL7484 connector body and a combination of HBL7485V or HBL7485 plug and HBL7495V cover.	**HBL7440V***
Closure cover for use with HBL7486 or HBL7486N.	**HBL4889**

*Note: *IP55 suitability when installed and used properly with plug and connector body combinations.*

Dimensions in Inches (mm)

Features and Benefits

Insulgrip® 15 Amp Plugs and Connector Bodies

Insulgrip products are synonymous with Hubbell's ongoing commitment to discovering ways to make products safer and last longer.

By encasing wiring devices in tough nylon housings, Insulgrip devices ensure high impact, heat, and chemical resistance while insulating current-carrying components from the user for maximum safety.

- The Insulgrip's cord gripping design clamps conductors, not just the cable jacket, making it the industry's most powerful cord grip with superior strain relief
- Each Insulgrip device is manufactured with roomy, separate wiring chambers to insulate conductors and an individually molded face to keep out dust and debris that can cause contamination over time

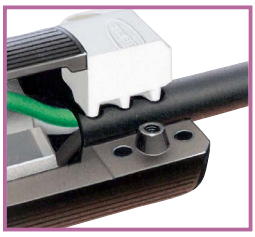






Housing Design

- Ribbed nylon housing provides a secure grip that's impact and chemical resistant
- Beveled housing prevents snagging when dragged across uneven surfaces
- Individually molded face for each blade configuration keeps debris out of plug interior



Internal Design

- Powerful cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminations
- Individual wiring terminals are completely enclosed in their own separate chambers



Cord Range

- Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .230-.720 inch (5.8-18.3)
- VARI-SIZE® pointer set to "smaller than gauge" position. Cord diameter range is .230-.360 inch (5.8-9.0). Accepts slotted and Phillips head drivers



Assembly

- "Multiple drive" screw heads provide screwdriver versatility. Pocketed recess for cord grip screws deters slippage of the screwdriver



Identification

- Catalog number is visible on the device while in use for easy identification



Visual Verification

- Transparent angled wiring entrance holes guide conductor insertion and allow for quick visual verification of terminations

Features and Benefits



15 Amp Duplex Twist-Lock® Receptacles

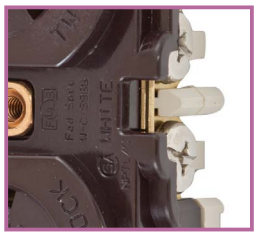
Hubbell Wiring Device-Kellems line of duplex Twist-Lock® receptacles are designed to deliver premium service and longer life. This rugged product design establishes a new standard for 15 amp locking receptacles. A reinforced thermoplastic top and base encapsulates the brass alloy contacts that are locked together for unequaled assembly strength. Wiring and installation is simplified with back and side wire terminations, integral wire restraints, and combination head screws. The integral split circuit capability offers flexibility. Available in 2 pole, 3 wire configurations including isolated ground and corrosion resistant versions.

- Superior spring characteristics for increased contact force, secure connections and longer life
- High-conductivity, corrosion resistant material for reliable, low resistance to fault currents
- Easy and reliable installation for stranded and solid wire
- Features split circuit capability in the field
- The assembly locks together to make the most abuse resistant receptacle ever



Housing Design

- Reinforced thermoplastic construction
- High impact and heat resistance provides maximum safety and longer life



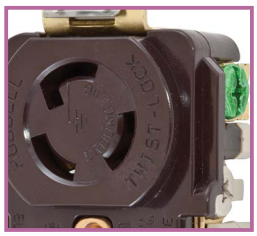
Terminals

- Single point break-off tabs
- High performance internal wiring clamps and open terminal design provide for the use of forked terminals



One-Piece Design

- Mounting strap tabs lock the body and base together
- Brass mounting strap with stainless steel grounding clip



Contacts

- Single piece, all brass contacts
- All terminals are back and side wired including the ground



Identification

- Rating marked on surface provides quick, sure circuit identification



Center Rivet

- Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion

15 Amp, 125 Volts
2 Pole, 2 Wire, Non-Grounding

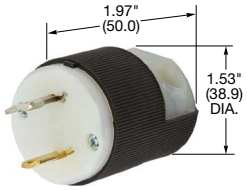
IP20
SUITABILITY



Plugs

Description	Cord Dia.	15A 125V NEMA L1-15P 0.5 HP Catalog Number
Black and white nylon, polarized. Multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL7545C**

Note: See page B-51 for accessories.

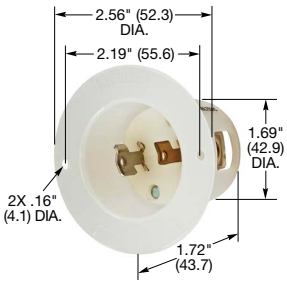


HBL7545C

Flanged Inlets

Description	Catalog Number
Nylon casing, polarized, backwired, Multiple drive screws.	**HBL7524C**

Note: See page B-50 for accessories.



HBL7524C



Connector Bodies

Description	Cord Dia.	15A 125V NEMA L1-15R 0.5 HP Catalog Number
Black and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL7506C**

Note: See page B-51 for accessories.



HBL7506C

Receptacles

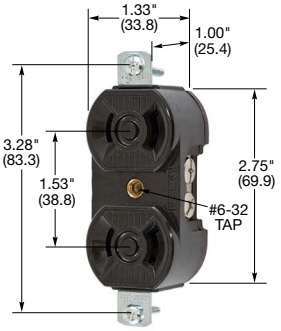
Description	Catalog Number
Duplex, flush, black phenolic.	**HBL7540**
Single, flush, black phenolic.	**HBL7535**
Single, panel mount, $1^{15}/_{16}$" (49.2) centers, black phenolic.	**HBL7498**

Note: See pages B-50 and B-51 for accessories.

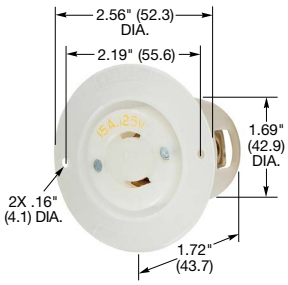
Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, backwired. Multiple drive screws.	**HBL7526C**
Metal flange, stainless steel casing, black phenolic, exposed terminals.	**HBL7526**

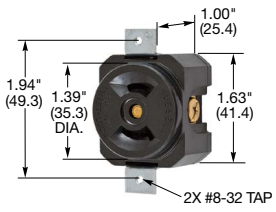
Note: See pages B-50 and B-51 for accessories.
Only receptacles and plugs are HP rated.
HP ratings are AC only.



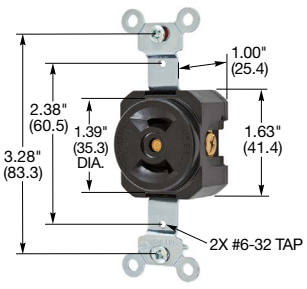
HBL7540



HBL7526C



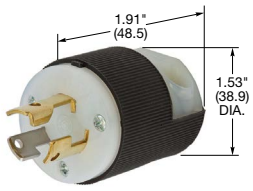
HBL7498



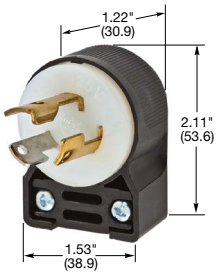
HBL7535

Dimensions in Inches (mm)

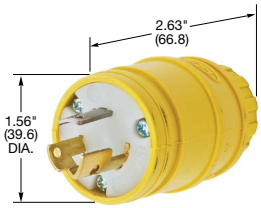
15 Amp, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire, Grounding



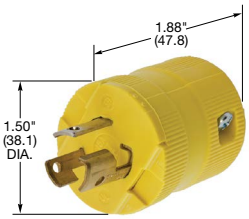
HBL4720C



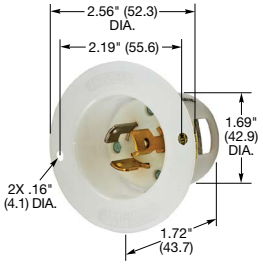
HBL4720CA



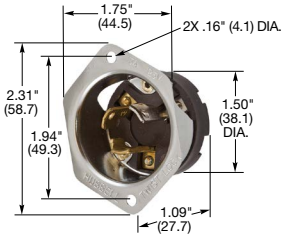
HBL24W47



HBL4723VY



HBL4716C



HBL4716

Dimensions in Inches (mm)

IP20 SUITABILITY

Plugs

Description	Cord Dia.	Catalog Number 15A 125V NEMA L5-15P 0.5 HP	15A 250V NEMA L6-15P 1.5 HP	15A 277V AC NEMA L7-15P 2 HP
Insulgrip plug, black and white nylon. Multiple drive screws. Fed Spec WC596	.230"-.720" (5.8-18.3)	**HBL4720C**	**HBL4570C**	**HBL4770C**
Insulgrip plug, black and white, spring termination Fed Spec WC596	.230"-.720" (5.8-18.3)	**HBL4720CST**	**HBL4570CST**	**HBL4770CST**
All black nylon.	.230"-.720" (5.8-18.3)	**HBL4720CBK**	–	–
Insulgrip angle plug, 8 position angle, black and white nylon. Multiple drive screws.	.325"-.655" (8.3-16.6)	**HBL4720CA**	**HBL4570CA**	**HBL4770CA**
Insulgrip plug, corrosion resistant, yellow and white nylon. Multiple drive screws. Fed Spec WC596	.230"-.720" (5.8-18.3)	**HBL47CM20C**	**HBL45CM70C**	**HBL47CM70C**
Elastogrip® plug, yellow elastomer, dust tight.	300"-.655" (7.6-16.6)	**HBL2447**	–	–
Elastogrip plug, yellow elastomer, water/dust tight.	300"-.655" (7.6-16.6)	**HBL24W47**	–	–
Valise® plug, yellow nylon.	.220"-.660" (5.6-16.8)	**HBL4723VY**	**HBL4573VY**	**HBL4773VY**
Valise® plug, black nylon.	.220"-.660" (5.6-16.8)	**HBL4723VBK**	**HBL4573VBK**	**HBL4773VBK**

Note: See page B-51 for accessories.

Flanged Inlets

Description	Catalog Number		
Insulgrip flanged inlet, nylon casing, back wired.	**HBL4716C**	**HBL4586C**	**HBL4786C**
Stainless steel casing, brown phenolic.	**HBL4716***	**HBL4586***	**HBL4786***
Corrosion resistant, stainless steel casing, yellow melamine.	**HBL47CM16***	–	–

Note: See page B-50 for accessories.
HP ratings are AC only.
Only plugs are HP rated.
See page B-69 for technical information on Insulgrip devices.
**These flanged inlets will not accept Valise® connector bodies.*

15 Amp, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire, Grounding

IP20
SUITABILITY

Connector Bodies

Description	Cord Dia.	15A 125V NEMA L5-15R 0.5 HP	15A 250V NEMA L6-15R 1.5 HP	15A 277V AC NEMA L7-15R 2 HP
Insulgrip connector body, black and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL4729C**	**HBL4579C**	**HBL4779C**
Insulgrip connector body, black and white body. Spring Termination	.230"-.720" (5.8-18.3)	**HBL4729CST**	**HBL4579CST**	**HBL4779CST**
All black nylon.	.230"-.720" (5.8-18.3)	**HBL4729CBK**	–	–
Insulgrip connector body, 8 position angle, black and white nylon. Multiple drive screws.	.325"-.655" (8.3-16.6)	**HBL4729CA**	–	–
Insulgrip connector body, corrosion resistant, yellow and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	**HBL47CM29C**	**HBL45CM79C**	**HBL47CM79C**
Elastogrip connector body, yellow elastomer, dust tight.	.300"-.655" (7.6-16.6)	**HBL2547**	–	–
Elastogrip® connector body, yellow elastomer, water/dust tight.	.300"-.655" (7.6-16.6)	**HBL25W47****	–	–
Valise® connector body, yellow nylon.	.220"-.660" (5.6-16.8)	**HBL4729VY**	**HBL4579VY**	**HBL4779VY**
Valise® connector body, black nylon.	.220"-.660" (5.6-16.8)	**HBL4729VBK**	**HBL4579VBK**	**HBL4779VBK**

Note: See page B-49 for accessories.

Receptacles

Description	15A 125V NEMA L5-15R 0.5 HP	15A 250V NEMA L6-15R 1.5 HP	15A 277V AC NEMA L7-15R 2 HP
Duplex, flush, brown RTP face, back and side wired.	**HBL4700***	**HBL4550***	**HBL4750***
Duplex, flush, ivory RTP face, back and side wired.	**HBL4700I***	–	–
Duplex, ring terminal connection.	**HBL4700RT***	**HBL4550RT***	–
Duplex, isolated ground, flush, orange RTP face, back and side wired.	**IG4700A***	**IG4550A***	–
Duplex, corrosion resistant, yellow RTP face, back and side wired.	**HBL47CM00***	–	–
Single, flush, black nylon face, back and side wired.	**HBL4710**	**HBL4560**	**HBL4760**
Single flush, black face, spring termination	**HBL4710ST**	**HBL4560ST**	**HBL4760ST**
Same as HBL4760 without mounting screws, ears. Terminal screws backed out, back and side wired. This item is bulk packed 100 pcs case.	–	–	**HBL4760C**
Single, ring terminal connection.	**HBL4710RT**	**HBL4560RT**	–
Single, isolated ground, flush, orange nylon face, back and side wired.	**IG4710**	**IG4560**	–
Single, Isolated ground, flush, orange, spring termination	**IG4710ST**	–	–
Single, black nylon face mounted on a 4" (101.6) round box cover, back and side wired.	**HBL4711**	–	**HBL4761**
Single, panel mount, black nylon face, side wired only, 1.75" or 1.937" (44.5 or 49.2) mounting centers.	**HBL4713**	**HBL4563**	**HBL4763**
Single, panel mount, black face, spring termination, 1.75" or 1.937" (44.5 or 49.2) mounting centers	**HBL4713ST**	**HBL4563ST**	–

Note: See pages B-50 and B-51 for accessories.

Flanged Receptacles

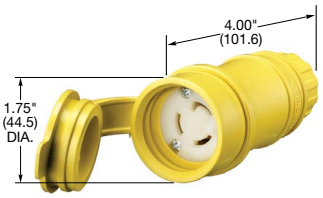
Description	15A 125V NEMA L5-15R 0.5 HP	15A 250V NEMA L6-15R 1.5 HP	15A 277V AC NEMA L7-15R 2 HP
Insulgrip flanged receptacle, nylon casing, back wired.	**HBL4715C**	**HBL4585C**	**HBL4785C**
Stainless steel casing, brown phenolic.	**HBL4715**	**HBL4585**	**HBL4785**
Corrosion resistant, stainless steel casing, yellow melamine.	**HBL47CM15**	–	–

Note: See pages B-50 and B-51 for accessories.
HP ratings are AC only.
RTP is an abbreviation for reinforced thermoplastic polyester.
See section N for additional information on isolated ground devices.
**Supplied with break-off tabs for split circuit wiring.*
***Watertight connector body IP55 suitability when closure plug is inserted or when installed and used properly with watertight plug.*

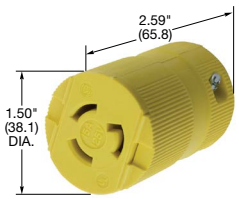


HBL4729C

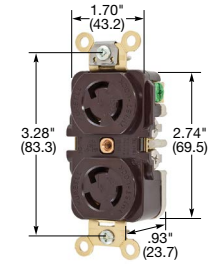

HBL4729CBK



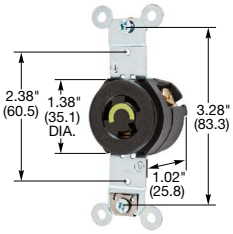
HBL25W47



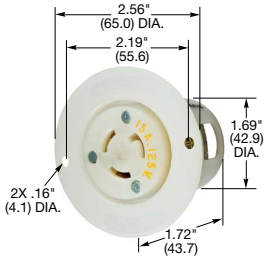
HBL4729VY



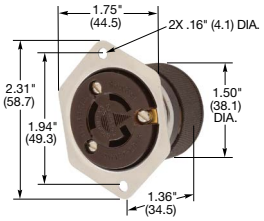
HBL4700



HBL4710



HBL4715C



HBL4715

Dimensions in Inches (mm)

Features and Benefits

Insulgrip® 20 and 30 Amp Plugs and Connector Bodies

Our 20 and 30 amp Insulgrip® plugs and connectors maintain Hubbell's classic integrity, solid construction and safety features that make these devices the "industry standard".

Insulgrip's cord gripping design clamps the conductors, not just the cable jacket, making it the industry's most powerful cord grip. The cord grips also provide a clean, one-piece look and makes it stronger.

Insulgrip's design guards against contamination. The nylon body and housing of the plugs and connectors are resistant to industrial chemicals, solvents and hydrocarbons. The face of each plug is molded specific to the blade configuration, eliminating holes that attract debris. And finally, our dust shield provides additional protection from contamination.

Additional features that make Insulgrip the industry standard are our improved contacts that provide better terminations, an exclusive double rivet design for the female contacts and an easy to read identification system.

The Hubbell Twist-Lock® line of plugs and connectors remain the broadest in the industry. Hubbell has you covered – proven performance, innovation and selection.

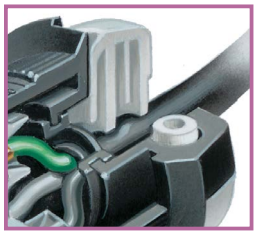






Housing Design

- Tough ribbed nylon housing for secure gripping
- Insulated nylon construction to keep non-current carrying parts from becoming energized



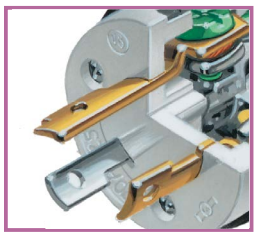
Internal Design

- Integral dust shield protects wiring chamber from dust or contaminants. Single-piece shield/housing eliminates need for separate step at installation
- Wiring chambers separate and positively insulate conductors and promote easy inspection



Cord Range

- Two-part cord grip tightens with two screws for maximum retention force
- Broad gripping area to accommodate wide range of cable diameters



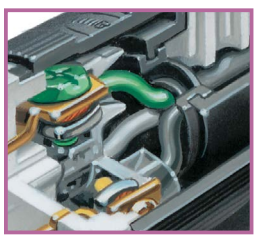
Assembly

- Self-threading screws specially designed for secure assembly



Identification

- Product identification is visible while device is in use. Markings include catalog number and ratings printed in the IEC color scheme on the current-carrying portion of the device



Contacts

- Improved terminations include #10 multiple drive screws and thicker .080 inch clamping nuts
- Funneled holes to permit "straight-in" conductor insertion
- Contoured binding plates ensures strong wire retention

Features and Benefits



Insulgrip® Standard Locking Receptacles

Twist-Lock® receptacles combine functional design features, unparalleled quality to deliver ultimate performance.

The high-impact nylon face of each Hubbell Twist-Lock receptacle has a colored ring. Keyed to an internationally recognized color coding scheme, this ring enables mating devices to be matched quickly. It's just one more example of user-oriented thinking at Hubbell.

The terminals in each Hubbell Twist-Lock receptacle are mechanically and electrically the finest available. These terminals incorporate unique design features to contain and hold conductors, including an external back wiring "wraparound" clamp, a wire restraint recess and more.

The materials used in every receptacle are of the highest quality. The all brass mounting system provides a safer, lower resistance ground path than those made of steel. The thick wall base is constructed of an engineered thermoplastic to offer the benefits of a thermoset, yet with much greater impact resistance.

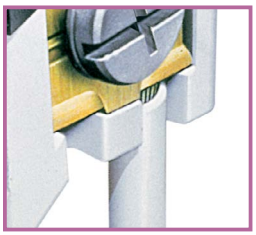
Hubbell Twist-Lock Receptacles: Voltage color coding on the outside. Proven designs and quality materials on the inside. Any way you look at them, they are the standard of the industry.

125V | 250V | 277V AC | 480V AC | 600V AC | 125/250V



Housing Design

- High-impact, abuse-resistant nylon face
- Glass-Reinforced thermoplastic base (PBT) has the desirable characteristics of a thermoset material, including heat, flame resistance and dimensional stability. The impact resis-tance it provides, however, is much greater than that of a thermoset



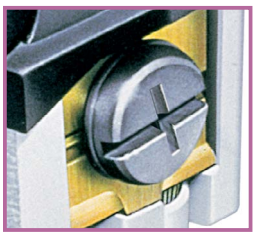
Wiring Design

- Wire restraint recess for both back and side wiring, greatly reduces the possibility of loosening the terminal connection



Mounting Strap

- All-brass mounting and grounding system provides a lower resistance ground path and greater resistance to corrosion than steel mounting systems



Terminals

- #10 brass terminal screw provides greater strength and resistance to corrosion and stripping
- Anti-rotational clamp has a stop to limit the amount of cocking when only one side is used. Accommodates both back and side wiring



Identification

- Face color coding by voltage facilitates locating and mating of proper devices
- Boss diameter is 1.562 inch on 20A and 30A devices for simplifying installation and accessory selection



Contacts

- One-piece contact with long spring arm (low stress) and oxide cutting nibs: prevents stress and overheating associated with riveted contact and short spring arms

Twist-Lock® Devices

Features and Benefits

Watertight Safety-Shroud® Twist-Lock® System

- Virtually eliminates bent and broken plug blades, leading to longer equipment life
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades
- Extra protection for personnel by significantly reducing chance of inadvertent contact with blades when connecting or disconnecting energized receptacles and connector bodies
- Reduces exposure to arcing when connecting or disconnecting plugs under load
- Compliance with California Code of Regulations, Title 8, Article 51, subsection 2510.7(b), which requires shrouding for devices exceeding 300 volts
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147



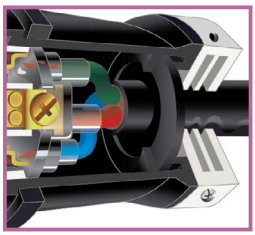


Note: Works with Mechanical Interlocks, see page B-43 for additional information.



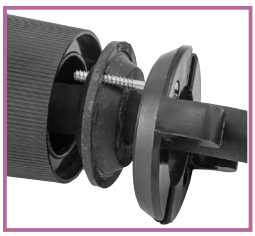
Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavy duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use



Assembly

- Cord grip screw recess minimizes screwdriver slippage
- All screws are #10 multiple drive head



Cord Range

- Assorted TPE seal glands can accommodate a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO
- Sealing gland and thermoplastic guard assure sealing when fully connected



Panel or Box Mount Receptacles and Inlets

- High impact, thermoplastic housing for heavy duty industrial environments
- Mounting screw recesses minimize screwdriver slippage
- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices



Identification

- Catalog number and color-coded voltage rating are easily visible even when in use
- Alignment arrows and lock and unlock symbols provide a visual indication that devices are properly connected



Spring-Loaded Cover

- One-step, push-to-close, spring-loaded cover with latch allows for fast opening and closing of lift cover

  Result: environmental sealing is assured

Twist-Lock® Devices

Features and Benefits

Safety-Shroud® Twist-Lock® System

- Mates with most NEMA locking connector bodies
- Virtually eliminates bent and broken plug blades
- Provides protection for personnel by reducing chance of inadvertent contact with blades when connecting or disconnecting energized devices
- Reduces exposure to arcing when connecting or disconnecting under load
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades
- Complies with California Code of Regulation, which requires shrouding for devices exceeding 300 volts
- Lockout/tagout hole allows compliance to OSHA regulation 29 CFR 1910.147
- Allows engagement with Mechanical Interlock Enclosure which virtually prevents make and break under load





Note: All screws are #10 multiple drive head.
Works with Mechanical Interlocks, see page B-43 for additional information.



Housing Design

- Impact resistant shroud made of engineered thermoplastic protects blades against bending or breaking



Housing Design

- Engineered thermoplastic housing is impact and corrosion resistant, making it suitable for heavy duty industrial environments
- Accepts conventional NEMA locking plugs



Safety

- External keying on plug devices allows quick mating of devices
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147



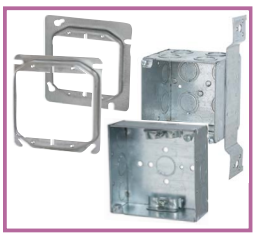
Safety-Shroud® Twist-Lock® Receptacles

- The Safety-Shroud Twist-Lock single gang receptacles were designed to mount in virtually all standard and FS/FD type boxes, allowing easy conversion of existing NEMA locking receptacles to Safety-Shroud Twist-Lock receptacles



Identification

- Catalog number and color-coded voltage rating are visible even when in use
- Alignment arrows with lock and unlock symbols provide a visual indication that devices are properly connected



Boxes Available

- The semi-flush receptacles can be installed onto 4" or 4^{11}" square steel wall boxes, which are 2^{1}" deep with 1 or 2-gang ½" raised device mud rings. See catalog Section Y for more information.

Twist-Lock® Devices

Compatibility and Environmental Protection Chart

	Twist-Lock® Receptacles					Twist-Lock® Connector Bodies	
							
	Watertight Safety-Shroud	Watertight Safety-Shroud Mechanical Interlock Enclosure	Safety-Shroud	Switched Enclosure	NEMA	Watertight Safety-Shroud	Insulgrip
Twist-Lock® Plugs							
Watertight Safety-Shroud 	YES Type 4X, Type 12	YES Type 4X, Type 12K	YES Type 1	NO	NO	YES Type 4X, Type 12	YES Type 1
Safety-Shroud 	YES Type 1	YES Type 1	YES Type 1	NO	NO	YES Type 1	YES Type 1
Insulgrip 	YES Type 1	NO	YES Type 1	YES Type 3R	YES Type 1	YES Type 1	YES Type 1
Twist-Lock® Inlets							
NEMA 	NA	NA	NA	NA	NA	NO	YES Type 1
Watertight Safety-Shroud 	NA	NA	NA	NA	NA	YES Type 4X, Type 12	YES Type 1

Type 1	*Indoor*
Type 3R	*Raintight*
Type 4X	*Hose-directed water and corrosion resistant*
Type 12	*Dust tight, drip-proof without knockouts*
Type 12K	*Dust tight, drip-proof with knockouts*
YES	*Interchangeable*
NO	*Does not interchange*
NA	*Not Applicable*

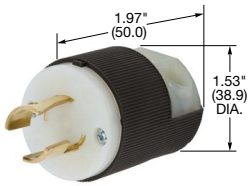
Note: See Technical section for full description of enclosure types.

20 Amp, 250 Volts
2 Pole, 2 Wire, Non-Grounding

Plugs

Description	Cord Dia.	20A 250V NEMA L2-20P 2 HP Catalog Number
Black and white nylon, polarized, multiple drive screws.	.220"-.720" (5.6-18.3)	**HBL7102C**

Note: See page B-51 for accessories.

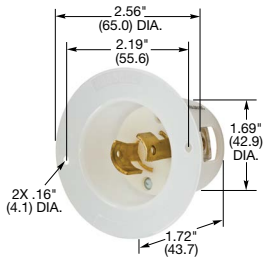


HBL7102C

Flanged Inlets

Description	Catalog Number
Nylon casing, back wired, polarized, multiple drive screws.	**HBL8815C**

Note: See page B-50 for accessories.



HBL8815C

Connector Bodies

Description	Cord Dia.	20A 250V NEMA L2-20R 2 HP Catalog Number
Black and white nylon, multiple drive screws.	.220"-.720" (5.6-18.3)	**HBL7101C**

Note: See page B-51 for accessories.

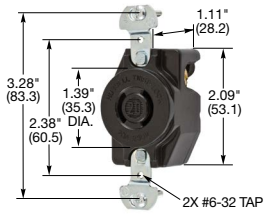


HBL7101C

Receptacles

Description	Catalog Number
Single, black phenolic.	**HBL7210B**
Single, mounted on 4" (101.6) round box cover, black phenolic.	**HBL7217B**

Note: See pages B-50 and B-51 for accessories.



HBL7210B

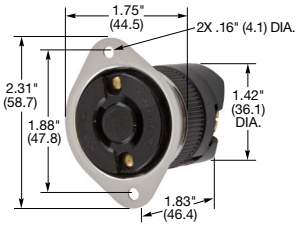
Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, back wired, multiple drive screws.	**HBL8809C**
Metal flange, stainless steel casing, black phenolic, exposed terminals.	**HBL3226**

Note: See pages B-50 and B-51 for accessories.
Only receptacles and plugs are HP rated.
HP ratings are AC only.



HBL8809C



HBL3226

Dimensions in Inches (mm)

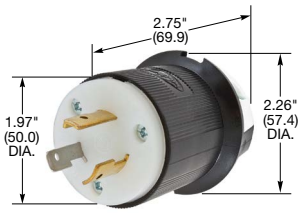
20 Amp, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire, Grounding



HBL2321SW



HBL2321S



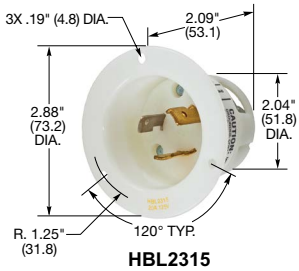
HBL2311



HBL2311ST



HBL2325SW



HBL2315



HBL2315ST



HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-41.

Plugs

	20A 125V NEMA L5-20P 1 HP	20A 250V NEMA L6-20P 2 HP	20A 277V AC NEMA L7-20P 2 HP
Watertight Safety-Shroud® — IP66 SUITABILITY — UL Type 4x, 12			
Description / Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps. .360"-.930" (9-24)	**HBL2311SW**	**HBL2321SW**	**HBL2331SW**
Safety-Shroud® — IP20 SUITABILITY			
Description / Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies. .360"-.930" (9-24)	**HBL2311S**	**HBL2321S**	**HBL2331S**
Insulgrip® — IP20 SUITABILITY			
Description / Cord Dia.	Catalog Number		
Black and white nylon. .360"-.930" (9-24)	**HBL2311**	**HBL2321**	**HBL2331**
Black and white nylon, spring termination	**HBL2311ST**	**HBL2321ST**	**HBL2331ST**
Corrosion resistant, yellow nylon. .360"-.930" (9-24)	**HBL23CM11**	**HBL23CM21**	–
All black nylon. .360"-.930" (9-24)	**HBL2311BK**	**HBL2321BK**	–
All black nylon, spring termination .360"-.930" (9-24)	**HBL2311STBK**	**HBL2321STBK**	–
Cord clamps with removable inserts. All black nylon. .360"-.930" (9-24)	**HBL2311EBK**	**HBL2321EBK**	–

Note: See page B-52 for accessories.

Valise® — IP20 SUITABILITY

Description / Cord Dia.	Catalog Number		
Yellow nylon. .325"-.720" (8.26-18.3)	**HBL2311VY**	**HBL2321VY**	**HBL2331VY**
Corrosion resistant, yellow nylon. .325"-.720" (8.26-18.3)	**HBL23CM11V**	–	–
Black nylon. .325"-.720" (8.26-18.3)	**HBL2311VBK**	**HBL2321VBK**	**HBL2331VBK**

Note: See page B-53 for accessories.

Flanged Inlets

Watertight Safety-Shroud® — IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange.	**HBL2315SW**	**HBL2325SW**	**HBL2335SW**
Gray Valox® housing and flange, reverse service (Not shown).	–	**HBL2325SWR**	–

Note: See page B-56 for accessories.

Insulgrip® — IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	**HBL2315**	**HBL2325**	**HBL2335**
Nylon casing, spring termination	**HBL2315ST**	**HBL2325ST**	**HBL2335ST**

Note: See page B-52 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.
See page B-74 for technical information on Valise® plugs and connectors.

Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

20 Amp, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire, Grounding







	20A 125V NEMA L5-20R 1 HP	20A 250V NEMA L6-20R 2 HP	20A 277V AC NEMA L7-20R 2 HP

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.360"-.930" (9-24)	**HBL2313SW**	**HBL2323SW**	**HBL2333SW**

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	**HBL2313**	**HBL2323**	**HBL2333**
Black and white nylon, spring termination	.360"-.930" (9-24)	**HBL2313ST**	**HBL2323ST**	**HBL2333ST**
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	**HBL23CM13**	**HBL23CM23**	–
All black nylon.	.360"-.930" (9-24)	**HBL2313BK**	**HBL2323BK**	–
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)	**HBL2313EBK**	**HBL2323EBK**	–

Note: See page B-52 for accessories.

Valise®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Yellow nylon.	.325"-.720" (8.26-18.3)	**HBL2313VY**	**HBL2323VY**	–
Black nylon.	.325"-.720" (8.26-18.3)	**HBL2313VBK**	**HBL2323VBK**	**HBL2333VBK**

Note: See page B-53 for accessories.

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange, back wired.	**HBL2310SW**	**HBL2320SW**	**HBL2330SW**

Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	**HBL2310AR**	**HBL2320AR**	**HBL2330AR**
Gray Valox® surface mounting, one gang, back wired.	**HBL2310SR**	**HBL2320SR**	**HBL2330SR**
Gray Valox® semi-flush, two gang, back wired.	**HBL2310SR2**	**HBL2320SR2**	**HBL2330SR2**

Single Flush Receptacles

IP20 SUITABILITY

Description	Catalog Number		
Black nylon face, back and side wired.	**HBL2310**	**HBL2320**	**HBL2330**
Black nylon face, spring terminals.	**HBL2310ST**	**HBL2320ST**	–
Blue nylon face, back and side wired.	**HBL2310M7**	**HBL2320M4**	–
Isolated ground, orange nylon face, back and side wired.	**IG2310**	**IG2320**	–
Corrosion resistant, yellow nylon face, back and side wired.	**HBL23CM10**	–	–
Ring terminal connection.	**HBL2310RT**	**HBL2320RT**	–

Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

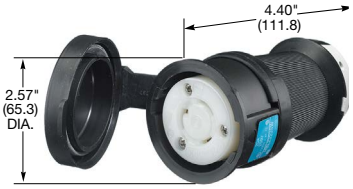
Description	Catalog Number		
Nylon casing, back wired.	**HBL2316**	**HBL2326**	**HBL2336**
Nylon casing, back wire, spring termination	**HBL2316ST**	**HBL2326ST**	–

Note: See page B-52 for accessories.

Twist-Lock® Single Receptacles

Description	Catalog Number		
Spring termination locking receptacles.	**HBL2310ST**	**HBL2320ST**	–

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

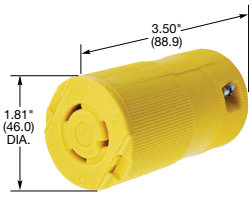


HBL2323SW



HBL2313

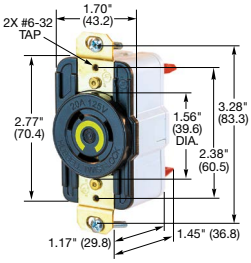

HBL2313ST



HBL2313VY



HBL2320SW



HBL2310ST



HBL2320SR

Dimensions in Inches (mm)

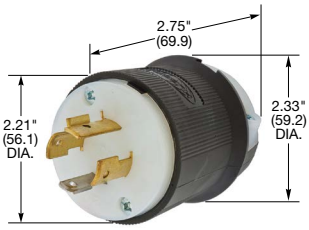
20 Amp, 125/250, 3Ø 250 and 3Ø 480 Volts AC
3 Pole, 4 Wire, Grounding



HBL2421SW



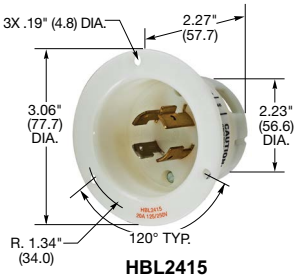
HBL2421S



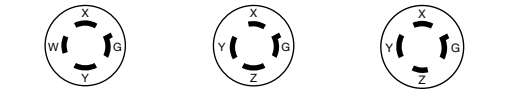
HBL2411



HBL2425SW



HBL2415



20A 125/250V AC NEMA L14-20P 2 (1) HP	20A 3Ø 250V AC NEMA L15-20P 3 HP	20A 3Ø 480V AC NEMA L16-20P 5 HP

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2411SW**	**HBL2421SW**	**HBL2431SW**

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	**HBL2411S**	**HBL2421S**	**HBL2431S**

Note: See page B-52 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2411**	**HBL2421**	**HBL2431**
Black and white nylon, spring termination.	.350"-1.150" (9-29)	**HBL2411ST**	**HBL2421ST**	**HBL2431ST**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL24CM11**	**HBL24CM21**	**HBL24CM31**
All black nylon.	.350"-1.150" (9-29)	**HBL2411BK**	**–**	**–**
All black nylon, spring termination	.350"-1.150" (9-29)	**HBL2411STBK**	**–**	**–**

Note: See page B-52 for accessories.

Flanged Inlets

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange.	**HBL2415SW**	**HBL2425SW**	**HBL2435SW**

Note: See page B-54 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	**HBL2415**	**HBL2425**	**HBL2435**
Nylon casing, spring termination.	**HBL2415ST**	**HBL2425ST**	**HBL2435ST**

Note: See page B-52 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-41.



Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

20 Amp, 125/250, 3Ø 250 and 3Ø 480 Volts AC
3 Pole, 4 Wire, Grounding







Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	20A 125/250V AC NEMA L14-20R 2 (1) HP	20A 3Ø 250V AC NEMA L15-20R 3 HP	20A 3Ø 480V AC NEMA L16-20R 5 HP
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2413SW**	**HBL2423SW**	**HBL2433SW**

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2413**	**HBL2423**	**HBL2433**
Black and white nylon, spring termination	.350"-1.150" (9-29)	**HBL2413ST**	**HBL2423ST**	**HBL2433ST**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL24CM13**	**HBL24CM23**	**HBL24CM33**
All black nylon.	.350"-1.150" (9-29)	**HBL2413BK**	**–**	**–**

Note: See page B-52 for accessories.

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange, back wired.	**HBL2410SW**	**HBL2420SW**	**HBL2430SW**

Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	**HBL2410AR**	**HBL2420AR**	**HBL2430AR**
Gray Valox® surface mounting, one gang, back wired.	**HBL2410SR**	**HBL2420SR**	**HBL2430SR**
Gray Valox® semi-flush, two gang, back wired.	**HBL2410SR2**	**HBL2420SR2**	**HBL2430SR2**

Single Flush Receptacles

IP20 SUITABILITY

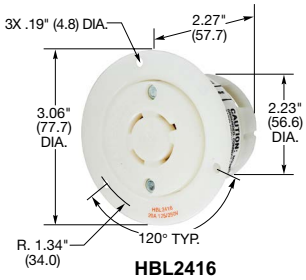
Description	Catalog Number		
Black nylon face, back and side wired.	**HBL2410**	**HBL2420**	**HBL2430**
Black and white nylon, spring termination.	**HBL2410ST**	**HBL2420ST**	**HBL2430ST**
Isolated ground, orange nylon face, back and side wired.	**IG2410**	**IG2420**	**–**
Ring terminal connection.	**HBL2410RT**	**HBL2420RT**	**–**

Note: See page B-52 for accessories.

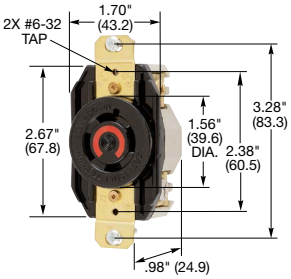
Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	**HBL2416**	**HBL2426**	**HBL2436**
Nylon casing, back wire, spring terminatio	**HBL2416ST**	**HBL2310ST**	**HBL2433ST**

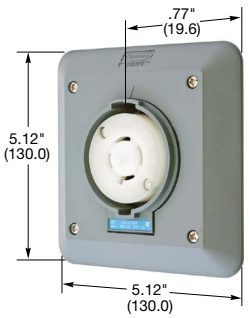
Note: See page B-52 for accessories.



HBL2416



HBL2410



HBL2420SR2



HBL2423SW



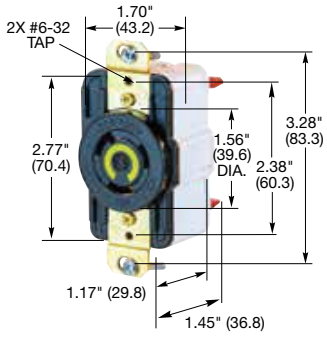
HBL2413



HBL2413ST



HBL2420SW



HBL2430ST



HBL2420SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

20 Amp, 347, 480, 600 and 125/250 Volts AC
2 Pole, 3 Wire, Grounding and 3 Pole, 3 Wire, Non-Grounding

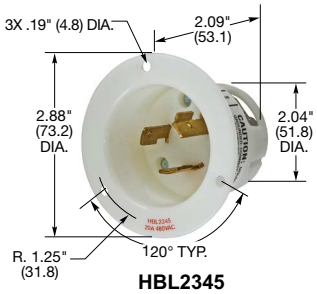
IP20 SUITABILITY



HBL2341



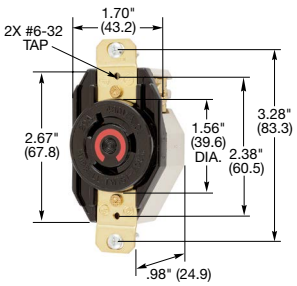
HBL2341ST



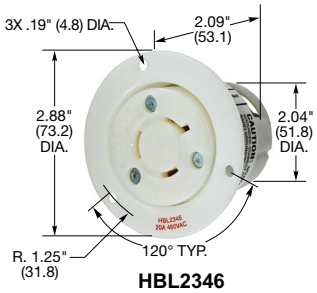
HBL2345



HBL2343



HBL2340



HBL2346

Plugs

Description	Cord Dia.	20A 347V AC NEMA L24-20P	20A 480V AC NEMA L8-20P 3 HP	20A 600V AC NEMA L9-20P	20A 125/250V AC NEMA L10-20P 2 (1) HP
		Catalog Number			
Black and white nylon.	.360"-.930" (9-24)	**HBL3721**	**HBL2341**	**HBL2351**	–
Black and white nylon, spring termination		–	**HBL2341ST**	–	–
Black and white nylon (Not shown).	.300"-1.050" (7.6-26.7)	–	–	–	**HBL2361**

Note: See page B-52 for accessories.

Flanged Inlets

Description	Catalog Number			
Nylon casing, back wired.	**HBL3725**	**HBL2345**	**HBL2355**	**HBL2365**
Nylon casing, spring termination.	–	**HBL2345ST**	–	–

Note: See page B-52 for accessories.

IP20 SUITABILITY

Connector Bodies

Description	Cord Dia.	20A 347V AC NEMA L24-20R	20A 480V AC NEMA L8-20R 3 HP	20A 600V AC NEMA L9-20R	20A 125/250V AC NEMA L10-20R 2 (1) HP
		Catalog Number			
Black and white nylon.	.360"-.930" (9-24)	**HBL3723**	**HBL2343**	**HBL2353**	–
Black and white nylon, spring termination	.360"-.930" (9-24)	–	**HBL2343ST**	–	–
Black and white nylon (Not shown).	.300"-1.050" (7.6-26.7)	–	–	–	**HBL2363**

Note: See page B-52 for accessories.

Single Flush Receptacles

Description	Catalog Number			
Black nylon face, back and side wired.	**HBL3720**	**HBL2340**	**HBL2350**	**HBL2360**
Watertight Safety-Shroud®, gray Valox® housing and flange, back and side wired, (Not shown).	–	**HBL2340SW**	–	–
Isolated ground, orange nylon face, back and side wired.	–	**IG2340**	–	–

Note: See page B-52 for accessories.

Flanged Receptacles

Description	Catalog Number			
Nylon casing, back wired.	**HBL3726**	**HBL2346**	**HBL2356**	**HBL2366**

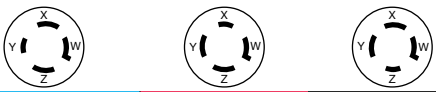
Note: See page B-52 for accessories.
See page B-69 for technical information.
See page B-39 for switched enclosure.
See page B-42 for Add-A-Shroud® kit. For use with connector bodies.
Only receptacles and plugs up to 480V AC are HP rated.
HP ratings are AC only.

Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
4 Pole, 4 Wire, Non-Grounding

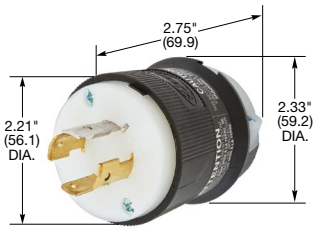
IP20 SUITABILITY



Plugs

Description	Cord Dia.	20A 3ØY 120/208V AC NEMA L18-20P 2 HP	20A 277/480V AC NEMA L19-20P 5 HP	20A 347/600V AC NEMA L20-20P
Black and white nylon.	.350"-1.150" (9-29)	**HBL2441**	**HBL2451**	**HBL2461**

Note: See page B-52 for accessories.

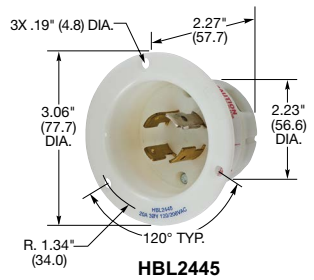


HBL2441

Flanged Inlets

Description	Catalog Number		
Nylon casing, back wired.	**HBL2445**	**HBL2455**	**HBL2465**

Note: See page B-52 for accessories.



HBL2445

IP20 SUITABILITY



Connector Bodies

Description	Cord Dia.	20A 3ØY 120/208V AC NEMA L18-20R 2 HP	20A 277/480V AC NEMA L19-20R 5 HP	20A 347/600V AC NEMA L20-20R
Black and white nylon.	.350"-1.150" (9-29)	**HBL2443**	**HBL2453**	**HBL2463**

Note: See page B-52 for accessories.

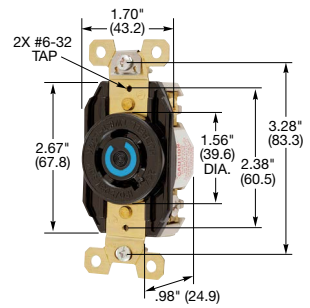


HBL2443

Single Flush Receptacles

Description	Catalog Number		
Black nylon face, back and side wired.	**HBL2440**	**HBL2450**	**HBL2460**

Note: See page B-52 for accessories.

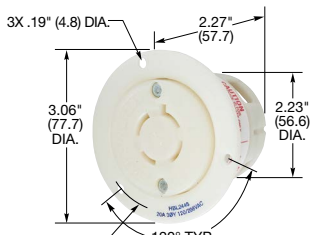


HBL2440

Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	**HBL2446**	**HBL2456**	**HBL2466**

Note: See page B-52 for accessories.
See page B-69 for technical information.
See page B-39 for switched enclosure.
See page B-42 for Add-A-Shroud® kit. For use with connector bodies.
Only receptacles and plugs up to 480V AC are HP rated.
HP ratings are AC only.



HBL2446

Dimensions in Inches (mm)

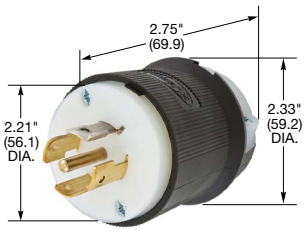
20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
4 Pole, 5 Wire, Grounding



HBL2511SW



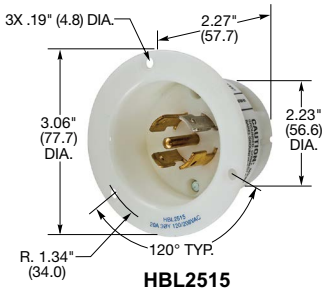
HBL2511S



HBL2511

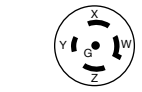


HBL2515SW



HBL2515

Dimensions in Inches (mm)







	20A 3ØY 120/208V AC NEMA L21-20P 2 HP	20A 3ØY 277/480V AC NEMA L22-20P 5 HP	20A 3ØY 347/600V AC NEMA L23-20P

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2511SW**	–	–

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	**HBL2511S**	–	–

Note: See page B-40 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2511**	**HBL2521**	**HBL2531**
Black and white nylon, spring termination.	.350"-1.150" (9-29)	**HBL2511ST**	**HBL2521ST**	–
All black nylon.	.350"-1.150" (9-29)	**HBL2511BK**	–	–
All black nylon, spring termination	.350"-1.150" (9-29)	**HBL2511STBK**	–	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL25CM11**	–	–
Black and white for flat cable.	.350"-1.150" (9-29)	**HBL2511FC**	–	–

Note: See page B-52 for accessories.

Flanged Inlets

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange.	**HBL2515SW**	–	–

Note: See page B-52 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	**HBL2515**	**HBL2525**	**HBL2535**
Nylon casing, spring termination.	**HBL2515ST**	**HBL2525ST**	–

Note: See page B-52 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

Twist-Lock® 3-Phase Circuit Tester

Description	Rating	Catalog Number		
3-Phase Circuit Tester.	3Ø 120/208V AC Min. Voltage: 90V AC	**HBL3PT2511**	–	–

Note: Testers in other NEMA configurations can be developed upon request.
See page B-53 for additional circuit testers.



HBL3PT2511

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-41.



Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
4 Pole, 5 Wire, Grounding



	20A 3ØY 120/208V AC NEMA L21-20R 2 HP	20A 3ØY 277/480V AC NEMA L22-20R 5 HP	20A 3ØY 347/600V AC NEMA L23-20R

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2513SW**	–	–



HBL2513SW

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	**HBL2513**	**HBL2523**	**HBL2533**
Black and white nylon, spring termination	.350"-1.150" (9-29)	**HBL2513ST**	**HBL2523ST**	–
All black nylon.	.350"-1.150" (9-29)	**HBL2513BK**	–	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL25CM13**	–	–
Black and white for flat cable.	.350"-1.150" (9-29)	**HBL2513FC**	–	–

Note: See page B-52 for accessories.



HBL2513



HBL2513ST

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox® housing and flange, back wired.	**HBL2510SW**	–	–

Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	**HBL2510AR**	–	–
Gray Valox® surface mounting, one gang, back wired.	**HBL2510SR**	–	–
Gray Valox® semi-flush, two gang, back wired.	**HBL2510SR2**	–	–

Single Flush Receptacles

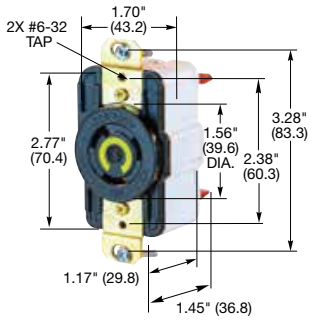
IP20 SUITABILITY

Description	Catalog Number		
Black nylon face, back and side wired.	**HBL2510**	**HBL2520***	**HBL2530***
Black and white nylon, spring termination.	**HBL2510ST**	**HBL2520ST**	–
Isolated ground, orange nylon face, back and side wired.	**IG2510**	–	–

Note: See page B-52 for accessories.
**Not Fed Spec.*



HBL2510SW

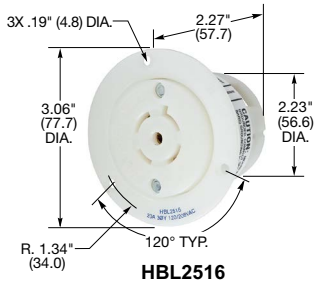


HBL2520ST

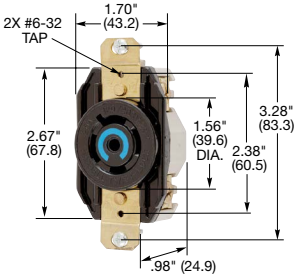
Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	**HBL2516**	**HBL2526**	**HBL2536**
Nylon casing, back wire, spring termination	**HBL2516ST**	–	–
Black nylon casing, back wire, spring termination	**HBL2320STBK**	–	–

Note: See page B-52 for accessories.



HBL2516



HBL2510



HBL2510SR2

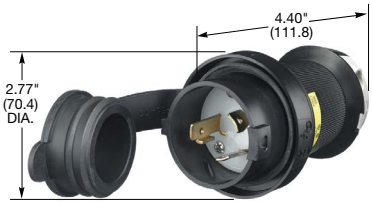


HBL2510SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

30 Amp, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire, Grounding



HBL2611SW



HBL2621S



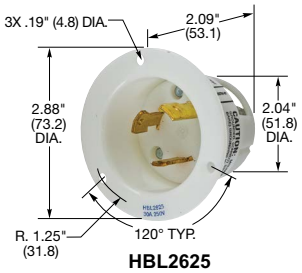
HBL2621



HBL2611ST



HBL2615SW



HBL2625







Plugs

		30A 125V NEMA L5-30P 2 HP	30A 250V NEMA L6-30P 2 HP	30A 277V AC NEMA L7-30P 3 HP
Watertight Safety-Shroud®		IP66 SUITABILITY		UL Type 4x, 12
Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.325"-.930" (9-24)	**HBL2611SW**	**HBL2621SW**	–
Safety-Shroud®		**IP20 SUITABILITY**		
Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.360"-.930" (9-24)	**HBL2611S**	**HBL2621S**	–

Note: See page B-40 for accessories.

Insulgrip®		IP20 SUITABILITY		
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	**HBL2611**	**HBL2621**	**HBL2631**
Black and white nylon, spring termination		**HBL2611ST**	**HBL2621ST**	–
Heat stabilized, gray nylon, 220° F (104° C).	.360"-.930" (9-24)	**HBL2611F**	**HBL2621F**	–
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	**HBL26CM11**	**HBL26CM21**	–
All black nylon.	.360"-.930" (9-24)	**HBL2611BK**	**HBL2621BK**	–
All black nylon, spring termination	.360"-.930" (9-24)	**HBL2611STBK**	**HBL2621STBK**	–
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)	–	**HBL2621EBK**	–

Note: See page B-52 for accessories.

Valise®		IP20 SUITABILITY		
Description	Cord Dia.	Catalog Number		
Yellow nylon.	.590"-.930" (15.0-23.6)	**HBL2611VY**	**HBL2621VY**	–
Corrosion resistant, yellow nylon.	.590"-.930" (15.0-23.6)	**HBL26CM11V**	–	–
Black nylon.	.590"-.930" (15.0-23.6)	**HBL2611VBK**	**HBL2621VBK**	–

Note: See page B-53 for accessories.

Flanged Inlets

Watertight Safety-Shroud®	IP66 SUITABILITY		UL Type 4x, 12
Description	Catalog Number		
Gray Valox® housing and flange.	**HBL2615SW**	**HBL2625SW**	–
Reverse service, gray Valox® housing and flange (use with HBL2613SR), (Not shown).	**HBL2615SWR**	–	–

Note: See page B-54 for accessories.

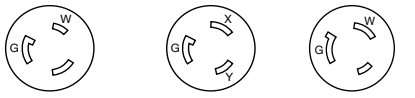
Insulgrip®		IP20 SUITABILITY		
Description		Catalog Number		
Nylon casing, back wired.		**HBL2615**	**HBL2625**	**HBL2635**
Nylon casing, spring termination		**HBL2615ST**	**HBL2625ST**	–
Heat stabilized, gray nylon, 220° F (104° C).		**HBL2615F**	**HBL2625F**	–
Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover.		**HBL2615M3**	–	–

Note: See page B-52 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.
See page B-74 for technical information on Valise plugs and connectors.

Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

30 Amp, 125, 250 Volts and 277 Volts AC
2 Pole, 3 Wire, Grounding



Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number	30A 125V NEMA L5-30R 2 HP	30A 250V NEMA L6-30R 2 HP	30A 277V AC NEMA L7-30R 3 HP
Black Valox® housing, white Valox® clamps.	.360"-.930" (9-24)		**HBL2613SW**	**HBL2623SW**	–
Reverse service, black Valox® housing, white Valox® clamps (use with HBL2615SWR), (Not shown).	.360"-.930" (9-24)		**HBL2613SR**	–	–

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number			
Black and white nylon.	.360"-.930" (9-24)		**HBL2613**	**HBL2623**	**HBL2633**
Black and white nylon, spring termination	.360"-.930" (9-24)		**HBL2613ST**	**HBL2623ST**	–
Heat stabilized, gray nylon, 220° F (104° C).	.360"-.930" (9-24)		**HBL2613F**	**HBL2623F**	–
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)		**HBL26CM13**	**HBL26CM23**	–
All black nylon.	.360"-.930" (9-24)		**HBL2613BK**	**HBL2623BK**	–

Note: See page B-52 for accessories.

Valise®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number			
Yellow nylon.	.590"-.930" (15.0-23.6)		**HBL2613VY**	**HBL2623VY**	–
Corrosion resistant, yellow nylon.	.590"-.930" (15.0-23.6)		**HBL26CM13V**	–	–
Black nylon.	.590"-.930" (15.0-23.6)		**HBL2613VBK**	**HBL2623VBK**	–
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)		–	**HBL2623EBK**	–

Note: See page B-53 for accessories.

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number			
Gray Valox® housing and flange, back wired.		**HBL2610SW**	**HBL2620SW**	–

Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number			
Gray Valox® angle housing, one gang, back wired.		**HBL2610AR**	**HBL2620AR**	–
Gray Valox® surface mounting, one gang, back wired.		**HBL2610SR**	**HBL2620SR**	–
Gray Valox® semi-flush, two gang, back wired.		**HBL2610SR2**	**HBL2620SR2**	–

Single Flush Receptacles

IP20 SUITABILITY

Description	Catalog Number			
Black nylon face, back and side wired.		**HBL2610**	**HBL2620**	**HBL2630**
Black nylon face, spring terminals.		**HBL2610ST**	**HBL2620ST**	–
Blue nylon face, back and side wired.		**HBL2610M6**	**HBL2620M6**	–
Isolated ground, orange nylon face, back and side wired.		**IG2610**	**IG2620**	–
Corrosion resistant, yellow nylon face, back and side wired.		**HBL26CM10**	**HBL26CM20**	–
Ring terminal connection.		**HBL2610RT**	**HBL2620RT**	–

Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number			
Nylon casing, back wired.		**HBL2616**	**HBL2626**	**HBL2636**
Nylon casing, back wire, spring termination		**HBL2616ST**	**HBL2626ST**	–
Heat stabilized, gray nylon, 220° F (104° C).		**HBL2616F**	**HBL2626F**	–

Note: See page B-52 for accessories.

Twist-Lock® Single Receptacles

Description	Catalog Number			
Spring termination locking receptacles.		**HBL2610ST**	**HBL2620ST**	–

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

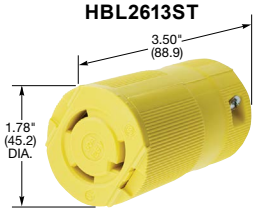


HBL2613SW

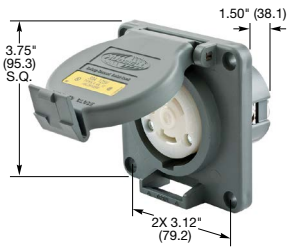


HBL2623

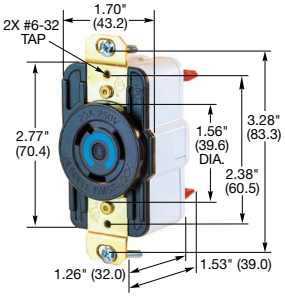

HBL2613ST



HBL2613VY



HBL2610SW



HBL2610ST



HBL2620SR

Dimensions in Inches (mm)

30 Amp, 125/250 and 3Ø 250 Volts AC
3 Pole, 3 Wire, Non-Grounding and 3 Pole, 4 Wire, Grounding



HBL2711SW



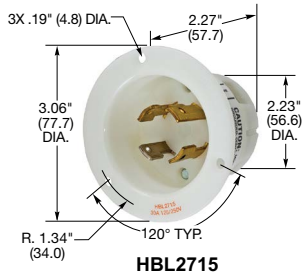
HBL2711S



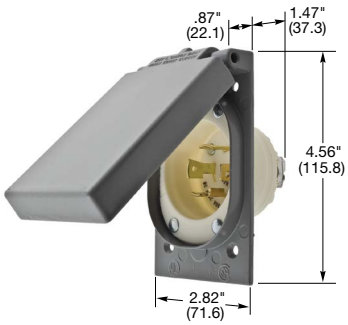
HBL2711



HBL2715SW



HBL2715



HBL2715M3

Plugs

	30A 125/250V AC NEMA L10-30P	30A 125/250V AC NEMA L14-30P 2 (2) HP	30A 3Ø 250V AC NEMA L15-30P 3 HP
Watertight Safety-Shroud® — IP66 SUITABILITY — UL Type 4x, 12			
Description / Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps. .350"-1.150" (9-29)	–	**HBL2711SW**	**HBL2721SW**
Safety-Shroud® — IP20 SUITABILITY			
Description / Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies. .350"-1.150" (9-29)	–	**HBL2711S**	**HBL2721S**

Note: See page B-40 for accessories.

Insulgrip® — IP20 SUITABILITY				
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	–	**HBL2711**	**HBL2721**
Black and white nylon, spring termination.	.350”-1.150” (9-29)	–	**HBL2711ST**	**HBL2721ST**
Black and white nylon, (Not shown).	.300"-.950" (7.6-24.1)	**HBL2661**	–	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	–	**HBL27CM11**	**HBL27CM21**
All black nylon.	.350"-1.150" (9-29)	–	**HBL2711BK**	–
All black nylon, spring termination	.350"-1.150" (9-29)	–	**HBL2711STBK**	–

Note: See page B-52 for accessories.

Flanged Inlets

Watertight Safety-Shroud® — IP66 SUITABILITY — UL Type 4x, 12			
Description	Catalog Number		
Gray Valox® housing and flange.	–	**HBL2715SW**	**HBL2725SW**
Reverse service, gray Valox® housing and flange (use with HBL2713SR), (Not shown).	–	**HBL2715SWR**	–

Note: See page B-54 for accessories.

Insulgrip® — IP20 SUITABILITY			
Description	Catalog Number		
Nylon casing, back wired.	–	**HBL2715**	**HBL2725**
Nylon casing, spring termination.	–	**HBL2715ST**	**HBL2725ST**
Nylon casing, back wired, (Not shown).	**HBL2665**	–	–
Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover.	–	**HBL2715M3**	–

Note: See page B-52 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

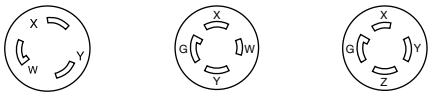
HBLMITL - For use with Watertight Safety-Shroud receptacles and reverse service inlet, see page B-41.



Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

30 Amp, 125/250 and 3Ø 250 Volts AC
3 Pole, 3 Wire, Non-Grounding and
3 Pole, 4 Wire, Grounding



Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number	30A 125/250V AC NEMA L10-30R	30A 125/250V AC NEMA L14-30R 2 (2) HP	30A 3Ø 250V AC NEMA L15-30R 3 HP
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	–		HBL2713SW	HBL2723SW
Reverse service, black Valox® housing, white Valox® clamps (use with HBL2715SWR), (Not shown).	.350"-1.150" (9-29)	–		HBL2713SR	–



HBL2713SW

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number			
Black and white nylon.	.350"-1.150" (9-29)	–		HBL2713	HBL2723
Black and white nylon, spring termination	.350"-1.150" (9-29)	–		HBL2713ST	HBL2723ST
Black and white nylon, (Not shown).	.300"-.950" (7.6-24.1)	HBL2663		–	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	–		HBL27CM13	HBL27CM23
All black nylon.	.350"-1.150" (9-29)	–		HBL2713BK	–



HBL2713

Note: See page B-52 for accessories.

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number			
Gray Valox® housing and flange, back wired.	–		HBL2710SW	HBL2720SW

Note: See page B-54 for accessories.



HBL2710SW

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

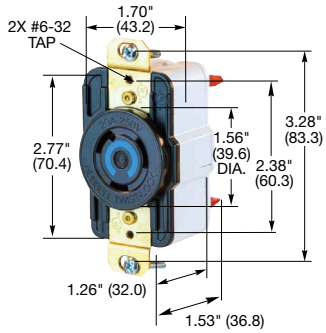
Description	Catalog Number			
Gray Valox® angle housing, one gang, back wired.	–		HBL2710AR	HBL2720AR
Gray Valox® surface mounting, one gang, back wired.	–		HBL2710SR	HBL2720SR
Gray Valox® semi-flush, two gang, back wired.	–		HBL2710SR2	HBL2720SR2

Single Flush Receptacles

IP20 SUITABILITY

Description	Catalog Number			
Black nylon face, back and side wired.	–		HBL2710	HBL2720
Black and white nylon, spring termination.	–		HBL2710ST	HBL2720ST
Black nylon face, back and side wired, (Not shown).	HBL2660		–	–
Isolated ground, orange nylon face, back and side wired.	–		IG2710	IG2720
Ring terminal connection.	–		HBL2710RT	HBL2720RT

Note: See page B-52 for accessories.

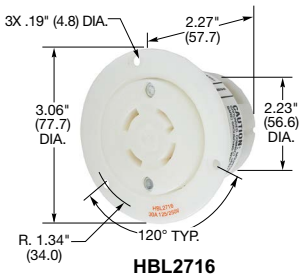


HBL2720ST

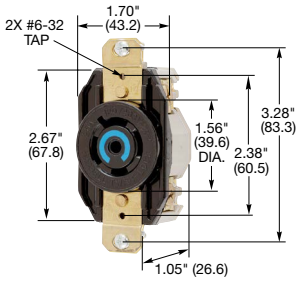
Insulgrip® Flanged Receptacles

Description	Catalog Number			
Nylon casing, back wired.	–		HBL2716	HBL2726
Nylon casing, back wire, spring termination	–		HBL2716ST	HBL2726ST

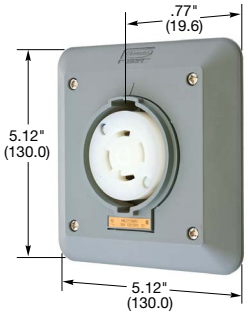
Note: See page B-52 for accessories.



HBL2716



HBL2710



HBL2710SR2



HBL2710SR

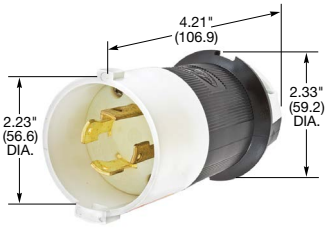
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

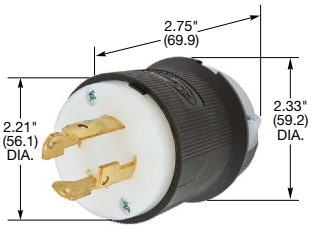
30 Amp, 3Ø 480 and 3Ø 600 Volts AC
3 Pole, 4 Wire, Grounding



HBL2731SW



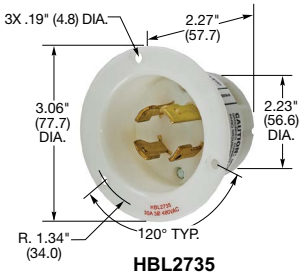
HBL2731S



HBL2731



HBL2735SW



HBL2735

30A 3Ø 480V AC
NEMA L16-30P
10 HP



30A 3Ø 600V AC
NEMA L17-30P

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY UL Type 4x, 12

Description	Cord Dia.	Catalog Number	
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2731SW**	**HBL2741SW**

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number	
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	**HBL2731S**	**HBL2741S**

Note: See page B-42 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL2731**	**HBL2741**
Black and white nylon, spring termination.	.350"-1.150" (9-29)	**HBL2731ST**	**–**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL27CM31**	**HBL27CM41**

Note: See page B-52 for accessories.

Flanged Inlets

Watertight Safety-Shroud®

IP66 SUITABILITY UL Type 4x, 12

Description	Catalog Number	
Gray Valox® housing and flange.	**HBL2735SW**	**HBL2745SW**

Note: See page B-54 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Catalog Number	
Nylon casing, back wired.	**HBL2735**	**HBL2745**
Nylon casing, spring termination.	**HBL2735ST**	**–**

Note: See page B-52 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

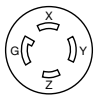


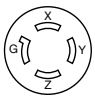
HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-41.

Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

30 Amp, 3Ø 480 and 3Ø 600 Volts AC
3 Pole, 4 Wire, Grounding





30A 3Ø 480V AC NEMA L16-30R 10 HP	30A 3Ø 600V AC NEMA L17-30R

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number	
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2733SW**	**HBL2743SW**

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL2733**	**HBL2743**
Black and white nylon, spring termination	.350"-1.150" (9-29)	**HBL2733ST**	**–**
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL27CM33**	**HBL27CM43**

Note: See page B-52 for accessories.



HBL2733SW



HBL2733



HBL2733ST

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number	
Gray Valox® housing and flange, back wired.	**HBL2730SW**	**HBL2740SW**

Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number	
Gray Valox® angle housing, one gang, back wired.	**HBL2730AR**	**HBL2740AR**
Gray Valox® surface mounting, one gang, back wired.	**HBL2730SR**	**HBL2740SR**
Gray Valox® semi-flush, two gang, back wired.	**HBL2730SR2**	**HBL2740SR2**

Single Flush Receptacles

IP20 SUITABILITY

Description	Catalog Number	
Black nylon face, back and side wired.	**HBL2730**	**HBL2740**
Black and white nylon, spring termination.	**HBL2730ST**	**–**

Note: See page B-52 for accessories.

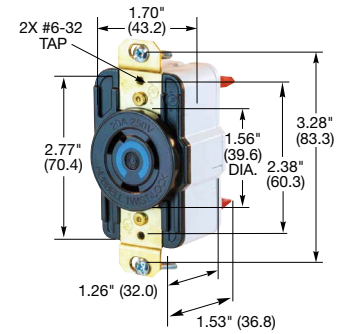
Insulgrip® Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	**HBL2736**	**HBL2746**
Nylon casing, back wire, spring termination	**HBL2736ST**	**–**

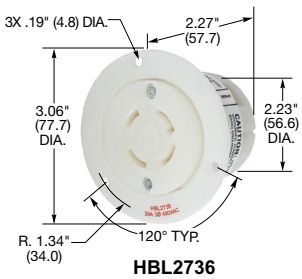
Note: See page B-52 for accessories.



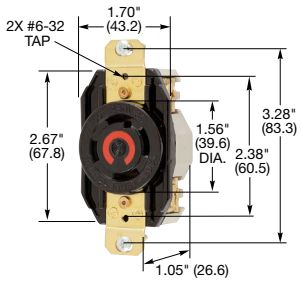
HBL2730SW



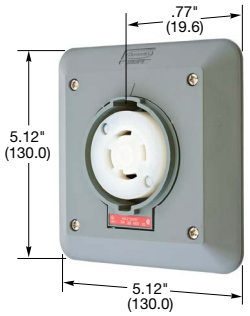
HBL2730ST



HBL2736



HBL2730



HBL2730SR2



HBL2730SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
4 Pole, 5 Wire, Grounding



HBL2811SW



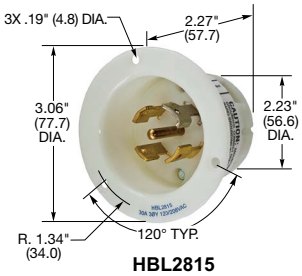
HBL2811S



HBL2811



HBL2815SW



HBL2815

Dimensions in Inches (mm)

Plugs



30A 3ØY 120/208V AC NEMA L21-30P 3 HP



30A 3ØY 240/415V AC NEMA L26-30P



30A 3ØY 277/480V AC NEMA L22-30P 10 HP



30A 3ØY 347/600V AC NEMA L23-30P

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number			
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2811SW**	**HBL2801**	**HBL2821SW**	**HBL2831SW**

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number			
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	**HBL2811S**	–	–	–

Note: See page B-52 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number			
Black and white nylon.	.350"-1.150" (9-29)	**HBL2811**	–	**HBL2821**	**HBL2831**
Black and white nylon, spring termination.	.350"-1.150" (9-29)	**HBL2811ST**	–	**HBL2821ST**	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL28CM11**	–	–	–
Black and white for flat cable.	.350"-1.150" (9-29)	**HBL2811FC**	–	–	–
All black nylon.	.350"-1.150" (9-29)	**HBL2811BK**	–	–	–
All black nylon, spring termination	.350"-1.150" (9-29)	**HBL2811STBK**	–	–	–

Note: See page B-52 for accessories.

Flanged Inlets

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number			
Gray Valox® housing and flange.	**HBL2815SW**	**HBL2805**	–	–

Note: See page B-54 for accessories.

Insulgrip®

IP20 SUITABILITY

Description	Catalog Number			
Nylon casing, back wired.	**HBL2815**	–	**HBL2825**	**HBL2835**
Nylon casing, spring termination.	**HBL2815ST**	–	**HBL2825ST**	–

Note: See page B-52 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

Twist-Lock® 3-Phase Circuit Tester

Description	Rating	Catalog Number			
3-Phase Circuit Tester	3Ø 120/208V AC Min. Voltage: 90V AC	**HBL3PT2811**	–	–	–

Note: Testers in other NEMA configurations can be developed upon request.
See page B-53 for additional circuit testers.



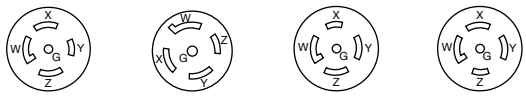
HBL3PT2811

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-41.



Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
4 Pole, 5 Wire, Grounding



30A 3ØY 120/208V AC NEMA L21-30R 3 HP	30A 3ØY 240/415V AC NEMA L26-30R	30A 3ØY 277/480V AC NEMA L22-30R 10 HP	30A 3ØY 347/600V AC NEMA L23-30R

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number			
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	**HBL2813SW**	**HBL2803**	**HBL2823SW**	–

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number			
Black and white nylon.	.350"-1.150" (9-29)	**HBL2813**	–	**HBL2823**	**HBL2833**
Black and white nylon, spring termination	.350"-1.150" (9-29)	**HBL2813ST**	–	**HBL2823ST**	–
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	**HBL28CM13**	–	–	–
Black and white for flat cable.	.350"-1.150" (9-29)	**HBL2813FC**	–	–	–
All black nylon.	.350"-1.150" (9-29)	**HBL2813BK**	–	–	–

Note: See page B-52 for accessories.



HBL2813SW



HBL2813ST



HBL2813

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number			
Gray Valox® housing and flange, back wired.	**HBL2810SW**	–	**HBL2820SW**	**HBL2830SW**

Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number			
Gray Valox® angle housing, one gang, back wired.	**HBL2810AR**	–	–	–
Gray Valox® surface mounting, one gang, back wired.	**HBL2810SR**	–	–	–
Gray Valox® semi-flush, two gang, back wired.	**HBL2810SR2**	–	–	–



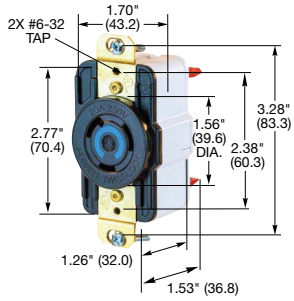
HBL2810SW

Single Flush Receptacles

IP20 SUITABILITY

Description	Catalog Number			
Black nylon face, back and side wired.	**HBL2810**	**HBL2800**	**HBL2820**	**HBL2830**
Black and white nylon, spring termination	**HBL2810ST**	–	**HBL2820ST**	–
Isolated ground, orange nylon face, back and side wired.	**IG2810**	–	–	–
Ring terminal connection.	**HBL2810RT**	–	–	–

Note: See page B-52 for accessories.



HBL2820ST

Insulgrip® Flanged Receptacles

Description	Catalog Number			
Nylon casing, back wired.	**HBL2816**	–	**HBL2826**	**HBL2836**
Nylon casing, back wire, spring termination	**HBL2816ST**	–	**HBL2826ST**	–
Black nylon casing, back wire, spring termination	**HBL2816STBK**	–	–	–

Note: See page B-52 for accessories.

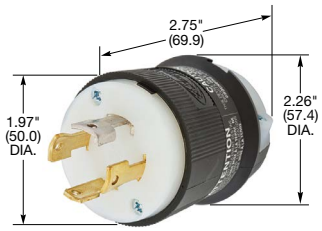


HBL2810SR

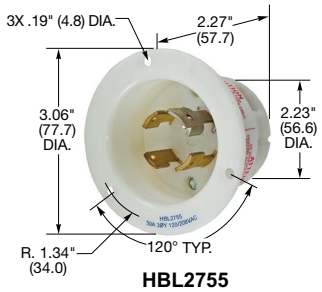
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
4 Pole, 4 Wire, Non-Grounding



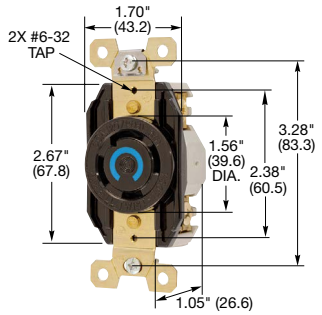
HBL2751



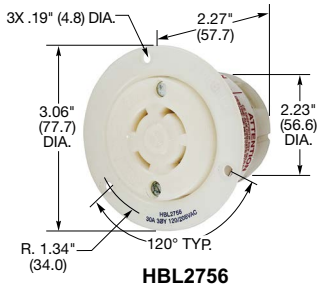
HBL2755



HBL2753



HBL2750



HBL2756

Dimensions in Inches (mm)

IP20 SUITABILITY







Plugs

Description	Cord Dia.	30A 3ØY 120/208V AC NEMA L18-30P 3 HP	30A 3ØY 277/480V AC NEMA L19-30P 10 HP	30A 3ØY 347/600V AC NEMA L20-30P
Black and white nylon.	.350"-1.150" (9-29)	**HBL2751**	**HBL2761**	**HBL2771**

Note: See page B-53 for accessories.

Flanged Inlets

Description	30A 3ØY 120/208V AC NEMA L18-30P 3 HP	30A 3ØY 277/480V AC NEMA L19-30P 10 HP	30A 3ØY 347/600V AC NEMA L20-30P
Nylon casing, back wired.	**HBL2755**	**HBL2765**	**HBL2775**

Note: See page B-52 for accessories.

IP20 SUITABILITY







Connector Bodies

Description	Cord Dia.	30A 3ØY 120/208V AC NEMA L18-30R 3 HP	30A 3ØY 277/480V AC NEMA L19-30R 10 HP	30A 3ØY 347/600V AC NEMA L20-30R
Black and white nylon.	.350"-1.150" (9-29)	**HBL2753**	**HBL2763**	**HBL2773**

Note: See page B-52 for accessories.

Single Flush Receptacles

Description	Catalog Number		
Black nylon face, back and side wired.	**HBL2750**	**HBL2760**	**HBL2770**

Note: See page B-52 for accessories.

Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	**HBL2756**	**HBL2766**	**HBL2776**

Note: See page B-52 for accessories.
See page B-69 for technical information on Twist-Lock devices.

30 Amp, 480 and 600 Volts AC
2 Pole, 3 Wire, Grounding

IP20 SUITABILITY







Plugs

Description	Cord Dia.	Catalog Number	30A 240V AC NEMA L25-30P	30A 480V AC NEMA L8-30P 5 HP	30A 600V AC NEMA L9-30P
Black and white nylon.	.325"-.930" (8.25-24)		**HBL2601**	**HBL2641**	**HBL2651**

Note: See page B-52 for accessories.



HBL2651

Flanged Inlets

Description	Catalog Number	30A 240V AC NEMA L25-30P	30A 480V AC NEMA L8-30P 5 HP	30A 600V AC NEMA L9-30P
Nylon casing, back wired.		**HBL2605**	**HBL2645**	**HBL2655**

Note: See page B-52 for accessories.



HBL2655

IP20 SUITABILITY







Connector Bodies

Description	Cord Dia.	Catalog Number	30A 240V AC NEMA L25-30R	30A 480V AC NEMA L8-30R 5 HP	30A 600V AC NEMA L9-30R
Black and white nylon.	.325"-.930" (8.25-24)		**HBL2603**	**HBL2643**	**HBL2653**

Note: See page B-52 for accessories.



HBL2653

Single Flush Receptacles

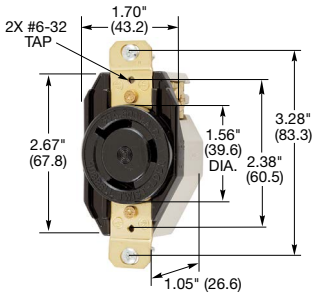
Description	Catalog Number			
Black nylon face, back and side wired.		**HBL2600**	**HBL2640**	**HBL2650**

Note: See page B-52 for accessories.

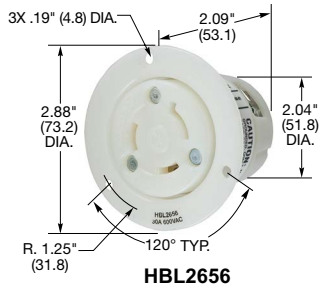
Flanged Receptacles

Description	Catalog Number			
Nylon casing, back wired.		–	**HBL2646**	**HBL2656**

Note: See page B-52 for accessories.
See page B-69 for technical information on Twist-Lock devices.



HBL2650



HBL2656

Dimensions in Inches (mm)

Features and Benefits



Switched Safety Enclosures

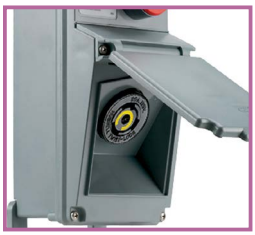
The Switched Twist-Lock® and Hubbellock® Enclosures integrate a receptacle and a switch to produce distinct advantages for the user. This enclosure replaces box, switch, cover and all in a compact design that meets Type 3R Rainproof or 12K Dust-tight requirements.

The receptacle is angled downward for a low profile, and it maintains a low profile while accommodating either a 20 or 30 Amp Twist-Lock receptacle or 30 Amp, 4 wire Hubbellock receptacle. The enclosure can be used in top, bottom or back feed applications. The handle is designed to be locked in the OFF position for lockout protection.

Hubbell has developed the Switched Safety Enclosure because users want to be able to disconnect higher voltage devices confidently. Hubbell responded with a line of Switched Safety Enclosures for Twist-Lock and Hubbellock receptacles.

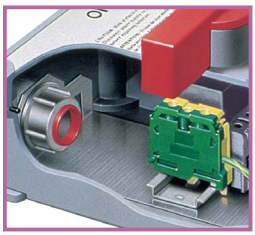
The provision of the integral switch and the receptacle in a compact, non-metallic enclosure encourages the safe operating practice of disconnecting at the switch rather than the plug and receptacle.

For plants and factories in a wide variety of industries, as well as light industrial facilities, Hubbell's Switched Enclosures offer an upgrade that's convenient, compact and easy to install.



Housing Design

- Angled 20 or 30 amp Hubbell Twist-Lock receptacle provides low profile and helps control cable arc of bend
- Large receptacle gasketless door and hinge assembly
- Enclosure back is designed for top, bottom or back feed options



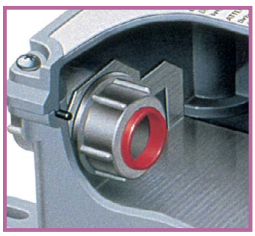
Internal Design

- Horsepower rated switch
- Heavy duty internal frame bonds conduit and all grounds and has a DIN rail to accommodate the switch



Safety

- Lockable handle provides lockout protection for greater safety and complies with OSHA lockout requirements



Wiring

- Premolded conduit entry hole is offset to prevent water condensation from falling directly on interior electrical components



Installation

- Moveable feet may be used in horizontal or vertical position or may be removed and premarked holes drilled for Type 1 or 3R installations

Switched Twist-Lock® and Hubbellock® Enclosures

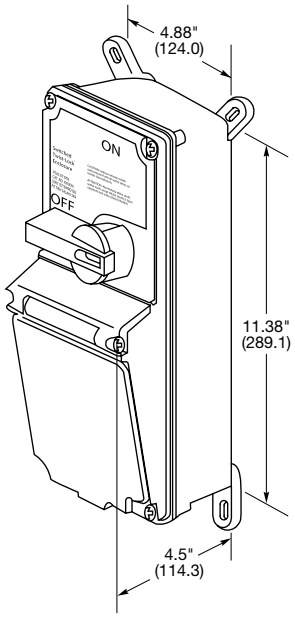
UL Listed, CSA Certified
Type 3R and 12K Enclosure Rating

IP54
SUITABILITY

Switched Enclosure Ready for Twist-Lock® Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept any Hubbell 20 or 30A Twist-Lock receptacle.

Description	Ratings	Catalog Number
Switched Twist-Lock enclosure accommodates any NEMA 2 pole, 3 wire to 4 pole, 5 wire grounding receptacle (sold separately).	Amperage, voltage, and horsepower ratings will be determined by the choice of the NEMA 20 or 30A Twist-Lock receptacle selected.	**SETL3**
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**



SETL3

Switched Enclosure Complete with Twist-Lock® Receptacle

Completely pre-wired with a Twist-Lock receptacle, these application oriented combinations are available to satisfy your needs.

Description	Amps	Voltage	NEMA Config.	Horsepower	Switched Enclosure	Use Twist-Lock Plug
Switched Twist-Lock enclosure with a pre-wired HBL2720 receptacle.	30	3Ø 240V AC	L15-30R	3	**SE2720A**	**HBL2721**
Switched Twist-Lock enclosure with a pre-wired HBL2730 receptacle.	30	3Ø 480V AC	L16-30R	10	**SE2730A**	**HBL2731**



SE2720A

Switched Enclosure Ready for Hubbellock® Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept your 30A, 4 wire Hubbellock receptacle choice.

Description	Ratings	Catalog Number
Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle (sold separately).	Amperage, voltage, and horsepower ratings will be determined by the choice of the 4 wire Hubbellock receptacle selected.	**SEHBL3**
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**



HBLAC1



HBLAC2

Replacement Mounting Feet

Description	Catalog Number
For 30A switches.	**HBLRFT1**[Δ]



HBLRFT1

Note: [Δ] *Package of 10 feet and 10 screws.*
See page B-72 for technical information on Switched Safety Enclosures.

Dimensions in Inches (mm)

Features and Benefits



Mechanical Interlock Switched Safety Enclosures

Hubbell offers the only mechanical interlock for Twist-Lock®. This new, unfused mechanical interlock for Watertight Safety-Shroud® Twist-Lock® integrates a watertight receptacle with a linked disconnect switch to provide a mechanically interlocked receptacle. This virtually eliminates the possibility of making or breaking the circuit while under load or making a casual or "lazy" connection.

The switch cannot be turned ON until the plug is properly inserted and locked, and the plug cannot be removed until the switch is turned OFF. All these protective features are included in a compact Type 4X hose-directed water and corrosion resistant enclosure that allows for top, bottom or back feed options.

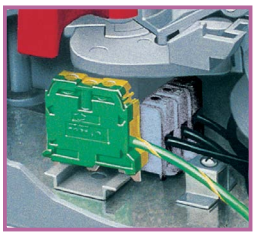
The non-metallic enclosure is nonconductive, yet has an internal frame to assure ground continuity with metallic conduit.

In addition, this interlock works with all Safety-Shroud Twist-Lock Plugs. The new unfused mechanical interlock for Watertight Safety-Shroud Twist-Lock can be locked out as a method of compliance with OSHA lockout/tagout regulations.



Housing Design

- Angled 20 or 30 amp Hubbell Watertight Safety-Shroud Twist-Lock receptacle provides watertight, low profile and mechanical interlock capabilities (ordered separately)
- Enclosure back is designed for top, bottom or back feed options



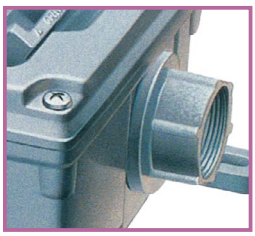
Internal Design

- Horsepower rated switch
- Heavy duty internal frame bonds conduit and all grounds and has a DIN rail to accommodate the switch



Safety

- Lockable handle provides lockout protection for greater safety and complies with OSHA lockout requirements
- Heavy duty interlock linkage prevents make and break under load



Wiring

- Premolded conduit entry hole is offset to prevent water condensation from falling directly on interior electrical components, while speeding installation by making it easier to pull conductors



Installation

- Moveable feet may be used in horizontal or vertical position or may be removed and premarked holes drilled for Type 1 or 3R installations

Mechanical Interlock Switched Safety Enclosures

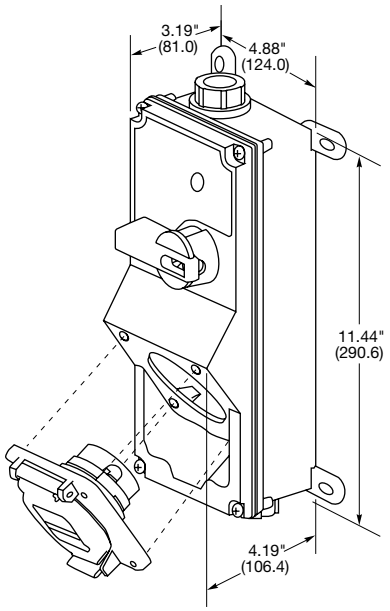
UL Listed, CSA Certified TYPE 4, 4X and TYPE 12K Enclosure Rating

IP66
SUITABILITY

Mechanical Interlock Ready for Twist-Lock® Receptacle Addition

This unit is a complete enclosure ready to accept any 20 or 30A Watertight Safety-Shroud Twist-Lock Receptacle.

Description	Ratings	Catalog Number
Mechanical Interlock accommodates 20A or 30A Watertight Safety-Shroud Twist-Lock receptacles.	Amperage and voltage ratings will be determined by the choice of the Watertight Safety-Shroud Twist-Lock selected. Supplied with ¾" NPT Hub.	**HBLMITL**



HBLMITL

Accepts the following Watertight Safety-Shroud® Twist-Lock® Receptacles:

Rating	Voltage AC	NEMA Config.	Max. HP Rating*	Receptacle Catalog Number	Use Watertight Safety-Shroud Twist-Lock Plug
20 Amp					
2 Pole, 3 Wire	120	L5-20	1	**HBL2310SW**	**HBL2311SW**
	208-240	L6-20	2.5	**HBL2320SW**	**HBL2321SW**
	277	L7-20	3	**HBL2330SW**	**HBL2331SW**
3 Pole, 4 Wire	120/240	L14-20	2.5	**HBL2410SW**	**HBL2411SW**
	240 3Ø	L15-20	5 (3@208V)	**HBL2420SW**	**HBL2421SW**
	480 3Ø	L16-20	10	**HBL2430SW**	**HBL2431SW**
4 Pole, 5 Wire	120/208 3ØY	L21-20	3	**HBL2510SW**	**HBL2511SW**
30 Amp					
2 Pole, 3 Wire	120	L5-30	1	**HBL2610SW**	**HBL2611SW**
	208-240	L6-30	3	**HBL2620SW**	**HBL2621SW**
3 Pole, 4 Wire	120/240	L14-30	3	**HBL2710SW**	**HBL2711SW**
	240 3Ø	L15-30	7.5	**HBL2720SW**	**HBL2721SW**
	480 3Ø	L16-30	15	**HBL2730SW**	**HBL2731SW**
	600 3Ø	L17-30	15	**HBL2740SW**	**HBL2741SW**
4 Pole, 5 Wire	120/208 3ØY	L21-30	7.5	**HBL2810SW**	**HBL2811SW**
	277/480	L22-30	7.5	**HBL2820SW**	**HBL2821SW**
	347/600	L23-30	7.5	**HBL2830SW**	**HBL2831SW**
30 Amp Reverse Service					
2 Pole, 3 Wire	120	L5-30	1	**HBL2615SWR**	**HBL2613SR**
3 Pole, 4 Wire	120/240	L14-30	3	**HBL2715SWR**	**HBL2713SR**
3 Pole, 4 Wire	240 3Ø	L15-30	7.5	**HBL2725SWR**	**HBL2723SR**



HBL2620SW



HBL2713SR



HBLAC1



HBLAC2

Auxiliary Contacts

Description	Ratings	Catalog Number
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**

Replacement Parts

Description	Catalog Number
Ground block.	**HBL30RGB**
Neutral block.	**HBL30RNB**
Replacement switch.	**HBLDS3RS**



HBL30RGB



HBL30RNB

Replacement Mounting Feet

Description	Catalog Number
For 30A switches.	**HBLRFT1**Δ



HBLRFT1

*Note: *HP ratings for the final unit are determined by the HP rating of the switch, limited by the full load current capability of the receptacle at 80% of rated current, number of phases and line voltage. HP ratings listed above are AC only.*
ΔPackage of 10 feet and 10 screws.
See page B-73 for technical information on Mechanical Interlock Enclosures.

Dimensions in Inches (mm)

ADD-A-SHROUD® and Adapters



Safety-Shroud® Twist-Lock® – 20 and 30 Amp

The Add-A-Shroud® devices allow conversion of existing 20A and 30A 3 to 5 wire Hubbell Insulgrip® Twist-Lock devices to a Safety-Shroud Twist-Lock plug. These devices provide a convenient and cost-effective way to convert existing Hubbell Insulgrip Twist-Lock plugs to Safety-Shroud Twist-Lock plugs. The Safety-Shroud Twist-Lock plug permits engagement with the Hubbell Mechanical Interlock Enclosure which virtually prevents make and break under load.

Add-A-Shroud® Catalog Number HBLSS3

For conversion of all 3 wire Hubbell Insulgrip Twist-Lock Devices.



HBLSS3

Rating	Voltage AC	NEMA Config. Reference Number	Plug Catalog Number	Add-A-Shroud Catalog Number
20A, 2 Pole 3 Wire Grounding	125V	L5-20	**HBL2311**	**HBLSS3**
	250V	L6-20	**HBL2321**	**HBLSS3**
	277V AC	L7-20	**HBL2331**	**HBLSS3**
	480V AC	L8-20	**HBL2341**	**HBLSS3**
	600V AC	L9-20	**HBL2351**	**HBLSS3**
30A, 2 Pole 3 Wire Grounding	125V	L5-30	**HBL2611**	**HBLSS3**
	250V	L6-30	**HBL2621**	**HBLSS3**
	277V AC	L7-30	**HBL2631**	**HBLSS3**
	480V AC	L8-30	**HBL2641**	**HBLSS3**
	600V AC	L9-30	**HBL2651**	**HBLSS3**

Add-A-Shroud® Catalog Number HBLSS45

For conversion of all 4 and 5 wire Hubbell Insulgrip Twist-Lock Devices.



HBLSS45

Rating	Voltage AC	NEMA Config. Reference Number	Plug Catalog Number	Add-A-Shroud Catalog Number
20A, 3 Pole 4 Wire Grounding	125/250V AC	L14-20	**HBL2411**	**HBLSS45**
	3Ø 250V AC	L15-20	**HBL2421**	**HBLSS45**
	3Ø 480V AC	L16-20	**HBL2431**	**HBLSS45**
30A, 3 Pole 4 Wire Grounding	125/250V AC	L14-30	**HBL2711**	**HBLSS45**
	3Ø 250V AC	L15-30	**HBL2721**	**HBLSS45**
	3Ø 480V AC	L16-30	**HBL2731**	**HBLSS45**
	3Ø 600V AC	L17-30	**HBL2741**	**HBLSS45**
20A, 4 Pole 5 Wire Grounding	3ØY 120/208V AC	L21-20	**HBL2511**	**HBLSS45**
	3ØY 277/480V AC	L22-20	**HBL2521**	**HBLSS45**
	3ØY 347/600V AC	L23-20	**HBL2531**	**HBLSS45**
30A, 4 Pole 5 Wire Grounding	3ØY 120/208V AC	L21-30	**HBL2811**	**HBLSS45**
	3ØY 277/480V AC	L22-30	**HBL2821**	**HBLSS45**
	3ØY 347/600V AC	L23-30	**HBL2831**	**HBLSS45**



WTSS234



WTSS234SS



WTSS310



WTSS310SS

Watertight Safety Shroud - Deluxe Cord Grip and Metallic Liquidtight Conduit Fitting Adapters

Adapter for Use with ¾" NPT Fittings

Description	Cord Dia.	Catalog Number
3 Wire, Anodized Aluminum	.250" - .750"	**WTSS234**
3 Wire, Stainless Steel	.250" - .750"	**WTSS234SS**
4 and 5 Wire, Anodized Aluminum	.250" - .750"	**WTSS334**
4 and 5 Wire, Stainless Steel	.250" - .750"	**WTSS334SS**

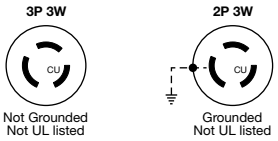
Adapter for Use with 1" NPT Fittings

Description	Cord Dia.	Catalog Number
4 and 5 Wire, Anodized Aluminum	.375" - 1.00"	**WTSS310**
4 and 5 Wire, Stainless Steel	.375" - 1.00"	**WTSS310SS**

Non-NEMA 10 Amp, 250 Volts, 15 Amp 125 Volts
3 Pole, 3 Wire, Non-Grounding and
2 Pole, 3 Wire, Grounding

For Replacement Use Only

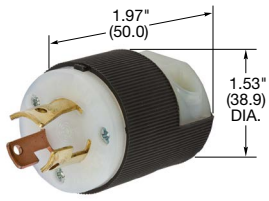
IP20
SUITABILITY



Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7567C**	–
Yellow and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7567CY**	–

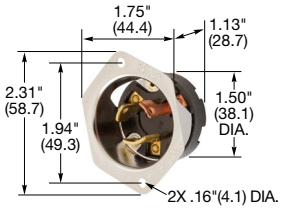
Note: See page B-51 for accessories.



HBL7567C

Flanged Inlets

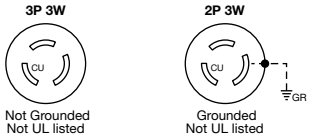
Description	Catalog Number	
Stainless steel casing.	**HBL7556**	**HBL7556G**



HBL7556

For Replacement Use Only

IP20
SUITABILITY



Connector Bodies

Description	Cord Dia.	Catalog Number	
Insulgrip connector, black and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7565C**	–
Insulgrip connector, yellow and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	**HBL7565CY**	–
Black phenolic.	.296"-.625" (7.5-15.9)	**HBL7555**	**HBL7555G**

Note: See page B-51 for accessories.

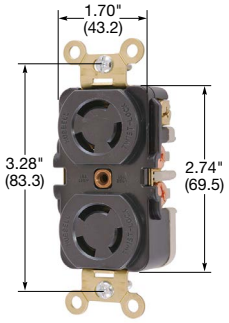


HBL7565C

Receptacles

Description	Catalog Number	
Duplex, black RTP*, back and side wired.	**HBL7580**	**HBL7580G**
Single, black phenolic, back and side wired.	**HBL7582**	**HBL7582G**

Note: See page B-50 for accessories.

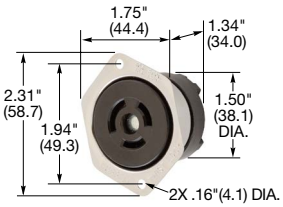


HBL7580

Flanged Receptacles

Description	Catalog Number	
Stainless steel casing.	**HBL7557**	**HBL7557G**

*Note: *RTP is an abbreviation for reinforced thermoplastic.*
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.



HBL7557

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

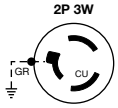
Non-NEMA 20 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC
2 Pole, 3 Wire, Grounding and
3 Pole, 3 Wire, Non-Grounding



HBL9965C

For Replacement Use Only

IP20
SUITABILITY



20A 250V
Non-NEMA
Not UL Listed



20A 125/250V
Non-NEMA
Not UL Listed

Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	**HBL9965GCB**	**HBL9965C**
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	**–**	**HBL99CM65C**

Note: See page B-52 for accessories.

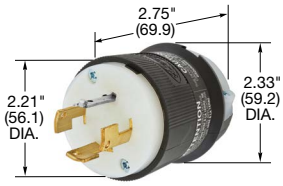


HBL3325C

Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	**–**	**HBL3325C**

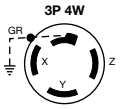
Note: See page B-52 for accessories.



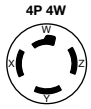
HBL7411C

For Replacement Use Only

IP20
SUITABILITY



20A 3Ø 250V AC
Non-NEMA
Not UL Listed

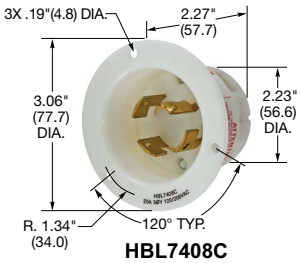


20A 3Ø Y
120/208V AC
Non-NEMA
Not UL Listed

Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL7411GCB**	**HBL7411C**

Note: See page B-52 for accessories.



HBL7408C

Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	**–**	**HBL7408C**

Note: See page B-52 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.

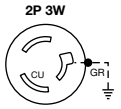
Dimensions in Inches (mm)

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Non-NEMA 20 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC
2 Pole, 3 Wire, Grounding and
3 Pole, 3 Wire, Non-Grounding

For Replacement Use Only

IP20
SUITABILITY



20A 250V
Non-NEMA
Not UL Listed



20A 125/250V
Non-NEMA
Not UL Listed

Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	**HBL7314GCB**	**HBL7314C**
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	**–**	**HBL73CM14C**

Note: See page B-52 for accessories.

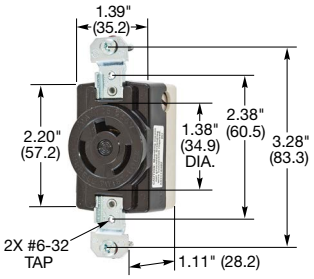


HBL7314C

Single Flush Receptacles

Description	Catalog Number	
Black nylon face, back wired.	**HBL7310BG**	**HBL7310B**

Note: See page B-52 for accessories.



HBL7310B

Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	**–**	**HBL3326C**

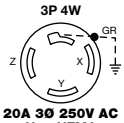
Note: See page B-52 for accessories.



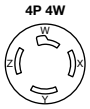
HBL3326C

For Replacement Use Only

IP20
SUITABILITY



20A 3Ø 250V AC
Non-NEMA
Not UL Listed



20A 3Ø Y
120/208V AC
Non-NEMA
Not UL Listed

Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL7413GCB**	**HBL7413C**

Note: See page B-52 for accessories.

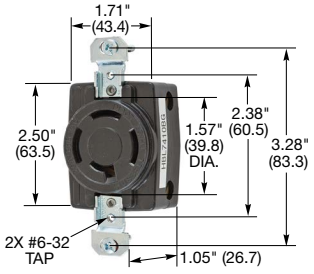


HBL7413GCB

Single Flush Receptacles

Description	Catalog Number	
Black thermoset, back wired.	**HBL7410BG**	**HBL7410B**
Mounted on a 4" (101.6) round metal cover.	**–**	**HBL7417B**

Note: See page B-52 for accessories.

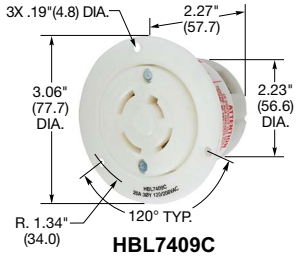


HBL7410BG

Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	**–**	**HBL7409C**

Note: See page B-52 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.



HBL7409C

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

Non-NEMA 20 Amp, 250 Volts, 10 Amp, 600 Volts AC
4 Pole, 5 Wire, Grounding



HBL3521C

For Replacement Use Only

IP20
SUITABILITY

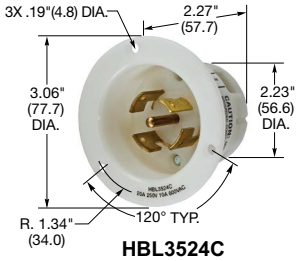


20A 250V
10A 600V AC
Non-NEMA
UL/CSA

Plugs

Description	Cord Dia.	Catalog Number
Black and white nylon.	.350"-1.150" (9-29)	**HBL3521C**

Note: See page B-52 for accessories.



HBL3524C

Flanged Inlets

Description	Catalog Number
Insulgrip nylon casing, back wired.	**HBL3524C**

Note: See page B-52 for accessories.



HBL3523C

IP20
SUITABILITY

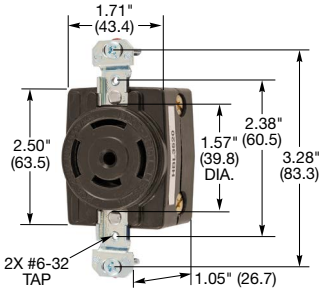


20A 250V
10A 600V AC
Non-NEMA
UL/CSA

Connector Bodies

Description	Cord Dia.	Catalog Number
Black and white nylon.	.350"-1.150" (9-29)	**HBL3523C**

Note: See page B-52 for accessories.

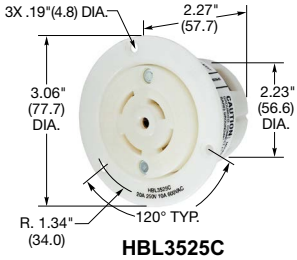


HBL3520

Single Flush Receptacles

Description	Catalog Number
Black thermoset, back wired.	**HBL3520**

Note: See page B-52 for accessories.



HBL3525C

Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, back wired.	**HBL3525C**

Note: See page B-52 for accessories.

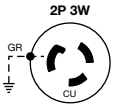
Dimensions in Inches (mm)

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

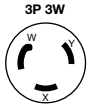
Non-NEMA 30 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC
2 Pole, 3 Wire, Grounding and
3 Pole, 3 Wire, Non-Grounding

For Replacement Use Only

IP20
SUITABILITY



30A 250V
Non-NEMA
Not UL listed



30A 125/250V
Non-NEMA
Not UL Listed

Insulgrip® Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	**HBL3331GC**	**HBL3331C**

Note: See page B-52 for accessories.

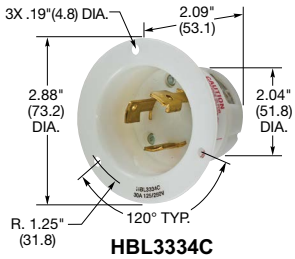


HBL3331GC

Insulgrip® Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	–	**HBL3334C**

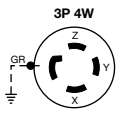
Note: See page B-52 for accessories.



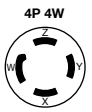
HBL3334C

For Replacement Use Only

IP20
SUITABILITY



30A 3Ø 250V AC
Non-NEMA
Not UL Listed

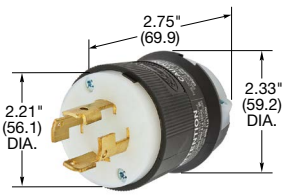


Non-NEMA
30A 3Ø Y
120/208V AC
Not UL Listed

Insulgrip® Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL3431GCB**	**HBL3431C**

Note: See page B-52 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.



HBL3431C

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

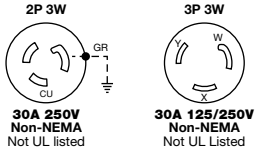
Non-NEMA 30 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC
2 Pole, 3 Wire, Grounding and
3 Pole, 3 Wire, Non-Grounding



HBL3333GC

For Replacement Use Only

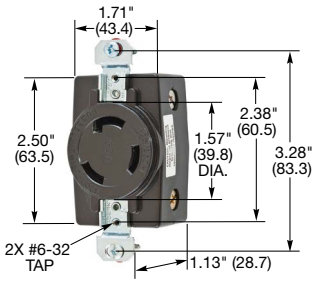
IP20
SUITABILITY



Insulgrip® Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	**HBL3333GC**	**HBL3333C**

Note: See page B-52 for accessories.



HBL3330G

Single Flush Receptacles

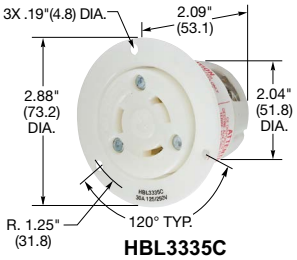
Description	Catalog Number	
Black thermoset, back wired.	**HBL3330G**	**HBL3330**

Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	–	**HBL3335C**

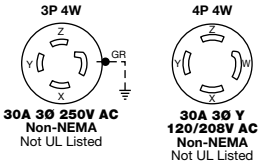
Note: See page B-52 for accessories.



HBL3335C

For Replacement Use Only

IP20
SUITABILITY



Insulgrip® Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	**HBL3433GCB**	**HBL3433C**

Note: See page B-52 for accessories.



HBL3433C

Single Flush Receptacles

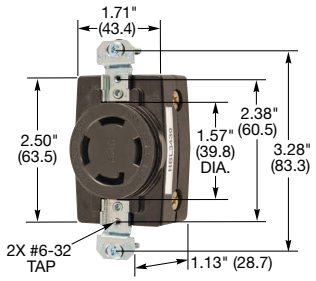
Description	Catalog Number	
Black thermoset, back wired.	**HBL3430G**	**HBL3430**

Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	**HBL3435CM2**	–

Note: See page B-52 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.



HBL3430

Dimensions in Inches (mm)

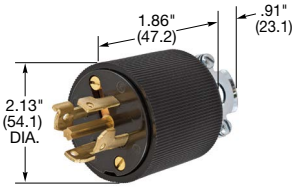
CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Non-NEMA 30 Amp, 250 Volts DC Max. and 600 Volts AC Max. 50 - 400Hz
Non-NEMA 20 Amp, 3ØY 120/208 Volts AC 400Hz

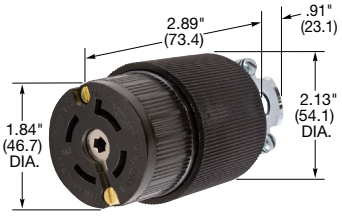
Variload® Twist-Lock® Devices

In many large plants and laboratories the number of circuits of different ratings and frequency is greater than the number of blade configurations available in conventional wiring devices.

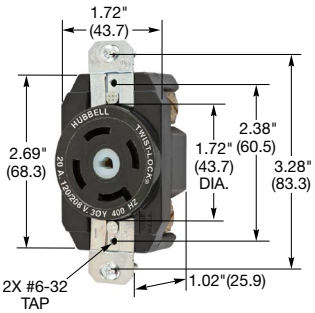
Prior to NEMA configuration standardization the solution was "Variload® Twist-Lock®" devices with four non-interchangeable center pin and slot configurations that can be assigned within the same premises to circuits of same voltage, frequency and supply (AC or DC), in accordance with NEC® 406.4(F) and 406.8 and with CE Code, Part I, Rule 26-700(3).



HBL45315



HBL45335



HBL45305

30A, 250V DC Max. and 600V AC Max. 50 - 400Hz

Center Pin Configuration	Plugs	Flanged Inlets	Connector Bodies	Receptacles
	HBL45115	**–**	**HBL45135**	**HBL45105**
	HBL45215	**–**	**HBL45235**	**HBL45205**
	HBL45315	**–**	**HBL45335**	**HBL45305**

20A 3ØY, 120/208V AC Only, 400Hz

Center Pin Configuration	Plugs	Flanged Inlets	Connector Bodies	Receptacles
	HBL45915†	**HBL45985CL†**	**HBL45935†**	**HBL45905†**

Note: †UL Listed only.

Receptacle Wallplates

Description	Single Receptacle with Face Dia. 1.74" (44.2) Catalog Number
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.	**SS725**


SS725

IP55*
SUITABILITY

Weatherproof Boots

Description	Catalog Number
Seal-Tite® black elastomer for Variload® plugs.	**HBL6027****
Seal-Tite® black elastomer for Variload® connector bodies.	**HBL6028****

*Note: *When installed and used properly with plug and connector body combinations.*
*** Weatherproof boots not UL Listed, nor CSA Certified.*


HBL6027


HBL6028

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

Accessories for 15 Amp 2 and 3 Wire Devices



P8



SS7

Wallplates, 1-Gang

Description	Color	Duplex Receptacles	Single Receptacles with Face Dia. 1.40" (35.6)
Nylon, smooth.	Brown Ivory	**P8** **P8I**	**P7** **P7I**
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.		**SS8**	**SS7**
Stainless steel 430, .035 in. (0.9), horizontal brushed finish.		**SS8L**	**SS7L**
Brass .04 in. (1.0), horizontal brushed finish.		**SB8**	**SB7**
Aluminum .05 in. (1.3), horizontal brushed finish.		**SA8**	**SA7**



HBL5206WO



HBL5221



HBL7423WO



WP1

IP44
SUITABILITY

Weatherproof Covers

Description	Duplex Receptacles	Single Receptacles with Face Dia. 1.40" (35.6)
Cast aluminum, for standard horizontal box mount.	**HBL5205WO**	–
Same as above except FS/FD box mount.	**HBL5206WO**	–
Cast aluminum vertical FS/FD box mount.	–	**HBL7420**
Gray thermoplastic, vertical standard box mount, corrosion resistant.	**HBL5222**	–
Same as above except yellow.	**HBL52CM22**	–
Gray thermoplastic, vertical FS/FD box mount, corrosion resistant.	**HBL5221**	**HBL7423WO**
Yellow thermoplastic, vertical FS/FD box mount, corrosion resistant.	**HBL52CM21**	**HBL74CM23WO**
White thermoplastic, vertical FS/FD box mount, corrosion resistant.	**HBL52CM21W**	–

IP44
SUITABILITY

Weatherproof Covers for 15A Nylon Flanged Receptacles and Inlets

Description	Duplex Receptacles	Single Receptacles with Face Dia. 1.40" (35.6)
Gray thermoplastic, corrosion resistant.	–	**WP1**

Note: All weatherproof covers listed above are UL Listed for wet and damp locations with cover closed. Those with suffix WO are UL Listed with cover open.
See page O-21 for additional information on weatherproof covers.

Dimensions in Inches (mm)

Accessories for 15 Amp 2 and 3 Wire Devices

- Tinted lid is aesthetically pleasing in any location. High-impact, polycarbonate while-in-use cover will not rust or corrode; cover is NEMA 3R rated
- Compact 2-gang design



HBLPKL520

- Locking receptacle prevents unintentional disconnection of mating pump plug

Pool Kit Contains:

- Heavy duty, industrial grade locking receptacle NEMA L5-20, 20A 125V
- Single-pole switch (20A, 120-277V AC)
- Two gang, 2 inch deep die-cast aluminum weatherproof box with (4) ¾ inch threaded outlets
- Two gang, weatherproof while-in-use cover
- Includes mounting hardware, gasket, wire connector and (3) closure plugs
- Complete assembly instructions

Pool Pump Kit

Description	Catalog Number
Pool pump receptacle kit.	**HBLPKL520**

Weatherproof, Seal-Tite®, Triple Seal Boots for 15A Insulgrip® Devices

IP55* SUITABILITY

Description	Catalog Number
Black elastomer boot for plugs when used in a cord set and connector bodies when used with a flange inlet.	**HBL6023**
Same as above except yellow elastomer.	**HBL60CM23**
Black elastomer boot for connector bodies when used in cord sets.	**HBL6024**
Same as above except yellow elastomer.	**HBL60CM24**

*Note: *When installed and used properly with plug and connector body combinations.*



HBL6023



HBL6024



HBL7529A

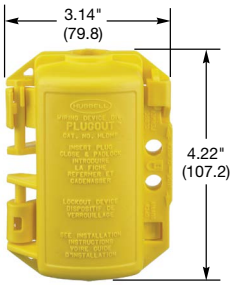
Closure Cover

Description	Catalog Number
For use with 3 wire 15A Twist-Lock flush or flanged receptacles.	**HBL7529A**

PLUGOUT® Lockout Devices

Description	Catalog Number
Lockout device for 15A and 20A straight blade plugs.	**HLDMP**
Lockout device for attachable 20 and 30A plugs, straight body or angle types, with or without weatherproof covers.	**HLD**

Note: See section BB for additional information on PLUGOUT Lockout devices.



HLDMP

Dimensions in Inches (mm)

Accessories for 20 and 30 Amp 3, 4 and 5 Wire Devices



P720BK



SS720

Wallplates, 1-Gang

Description	Color	Single Receptacles with Face Dia. 1.60" (40.6)
Nylon, smooth.	Black	**P720BK**
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.		**SS720**
Brass .04 in. (1.0), horizontal brushed finish.		**SB720**

Weatherproof Covers

IP44 SUITABILITY

Description	Single Receptacles with Face Dia. 1.60" (40.6)
Cast aluminum, for FS/FD box mounting.	**HBL7420**
Gray thermoplastic, for FS/FD box mounting, corrosion resistant.	**HBL7425WOA**
Same as above except yellow.	**HBL74CM25WOA**



HBL7425WOA

Weatherproof Covers for Flanged Inlets and Flanged Receptacles

IP44 SUITABILITY

Description	Single Receptacles with Face Dia. 1.60" (40.6)
Gray thermoplastic, corrosion resistant.	**WP2**

Note: Weatherproof covers are UL Listed for wet and damp location with cover closed. Those with suffix WOA are UL Listed with cover open.
See page O-21 for additional information on weatherproof covers.

Closure Cover for 3 Wire Flanged Inlets

Description	Catalog Number
Rubber closure plug.	**HBL2899**

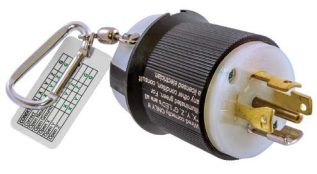
Note: Closure cover not UL Listed, CSA Certified.



HBL2899

Twist-Lock® Circuit Testers

Description	Rating	20 Amp Configuration	20 Amp Catalog Number	30 Amp Configuration	30 Amp Catalog Number
3-Phase Circuit Tester	3Ø 120/208V AC Min. Volt.: 90V AC	NEMA L21-20P	**HBL3PT2511**	NEMA L21-30P	**HBL3PT2811**
Circuit Tester	125V	NEMA L5-20P	**HBLT2311**	NEMA L5-30P	**HBLT2611** **HBLT26CM11** (Marine)
	250V	NEMA L6-20P	**HBLT2321**	NEMA L6-30P	**HBLT2621**
	277V	NEMA L7-20P	**HBLT2331**		
	125/250V	NEMA L14-20P	**HBLT2411**	NEMA L14-30P	**HBLT2711**
	347V	NEMA L24-20P	**HBLT3721**		
	128/208V AC	Non-NEMA	**HBLT3521**		



HBL3PT2511



HBLT26CM11

Note: Testers in other NEMA configurations can be developed upon request.

Single Flush Receptacles

Description	Catalog Number
Removal Bridge, for use with all Twist-Lock Edge Series receptacles	**HBLSTRB**



HBLSTRB

Dimensions in Inches (mm)

Accessories for 20 and 30 Amp 3, 4 and 5 Wire Devices

Insulgrip® Plug and Connector Body Latching Kit

The Hubbell latching kit provides both improved safety and security through a double locking feature that makes unintentional disconnection virtually impossible – even under high vibration situations. The plug and connector body lock once when first connected, then again when you push the special position locking slide into place.



Insulgrip® Latching Kit

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
For all 20A and 30A Twist-Lock Insulgrip plugs and connectors.	**SK2**	**SK3**



SK2

Valise®

IP55* SUITABILITY

Weatherproof, Seal-Tite®, Triple Seal Boots

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
Yellow Seal-Tite® elastomer triple seal cover for use with Valise plugs when used in cord set and Valise connector bodies when used with flanged inlet.	**HBL60CM31V**	**–**
Yellow Seal-Tite® elastomer triple seal cover for use with Valise connector bodies.	**HBL60CM32V**	**–**

*Note: *When installed and used properly with plug and connector body combinations.*



HBL60CM31V

Insulgrip®

IP55* SUITABILITY

Weatherproof, Seal-Tite®, Triple Seal Boots

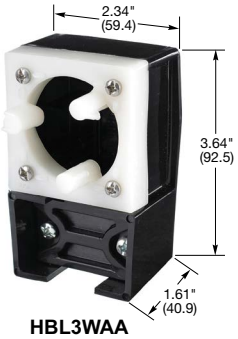
Description	For 3 Wire Devices	For 4 & 5 Wire Devices
Black elastomer boot for plugs when used in a cord set and connector bodies when used in flanged inlets.	**HBL6031**	**HBL6035**
Same as above except yellow.	**HBL60CM31**	**HBL60CM35**
Black elastomer boot for connector bodies when used in a cord set.	**HBL6032**	**HBL6036**
Same as above except yellow.	**HBL60CM32**	**HBL60CM36**



HBL6032

Angle Adapter

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
Nylon, angle adapter for Insulgrip plugs and connector bodies, cord grip range .325"-.930" (8.3-24).	**HBL3WAA**	**HBL45WAA**



HBL3WAA

PLUGOUT® Lockout Devices

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
Lockout device for attachable 20 and 30A locking plugs, straight body or angle types, with or without weatherproof covers.	**HLD**	**HLD**
Lockout device for 20 and 30A 3 wire angle plugs and watertight Safety-Shroud® Twist-Lock® plugs.	**HLD2**	**HLD2**

Note: See section BB for additional information on PLUGOUT Lockout devices.
**When installed and used properly with plug and connector body combinations.*



HLD

For quick visual identification of circuits or configurations.

Colored Cord Clamps*

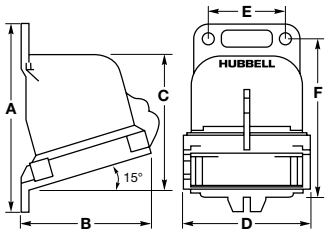
Description	Color	For 3 Wire Devices	For 4 & 5 Wire Devices
For use with 20A and 30A Insulgrip® Twist-Lock® Plugs and Connectors. Cord diameter: 3 wire .350"-.930" (9-24), 4 & 5 wire .350" – 1.150" (9-29)	Black	**HBLTL2CCBK**	**HBLTL3CCBK**
	Blue	**HBLTL2CCBL**	**HBLTL3CCBL**
	Brown	**HBLTL2CCBR**	**HBLTL3CCBR**
	Dark Blue	**HBLTL2CCDB**	**HBLTL3CCDB**
	Green	**HBLTL2CCGR**	**HBLTL3CCGR**
	Orange	**HBLTL2CCOR**	**HBLTL3CCOR**
	Red	**HBLTL2CCRD**	**HBLTL3CCRD**
	Teal	**HBLTL2CCTL**	**HBLTL3CCTL**
	White	**HBLTL2CCWH**	**HBLTL3CCWH**
	Yellow	**HBLTL2CCYL**	**HBLTL3CCYL**

*Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*

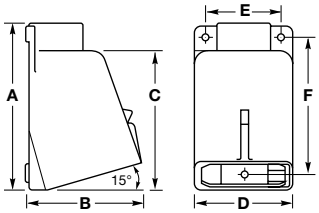


Dimensions in Inches (mm)

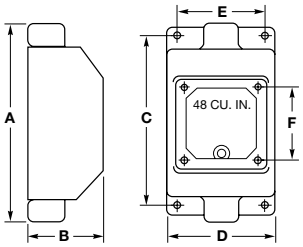
Safety-Shroud® Twist-Lock® Accessories



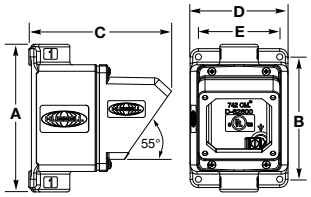
Non-Metallic Angle Box



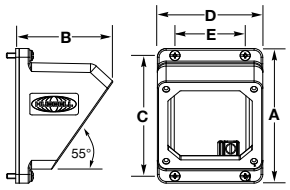
Metallic Angle Box



Metallic Feed Thru Box



AB203055



AA203055



HBL2030AP



AA2030PS

Dimensions in Inches (mm)

15° Angle Non-Metallic Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00"	**BB2030N**

Note: Hub is not included; order Raco part number 1704. This box meets IP69k requirement and Type 4X requirements when installed with a watertight conduit hub.

15° Angle Metallic Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB201W**
	1"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB301W**

Metallic Feed Thru Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT202W**
	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT302W**

Note: These boxes are cast aluminum and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL raintight and external icing tests. NPT (metric designator).

55° Angle Metallic Adapter and Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	6.80" (172.4)	5.63" (142.9)	6.60" (167.0)	4.50" (114.3)	3.74" (95.0)	-	45.27"	**AB203055**

55° Angle Metallic Adapter with Grounding Lug

Description	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	4.89" (172.4)	3.33" (167.0)	4.29" (142.9)	3.75" (114.3)	2.50" (95.0)	-	25.00"	**AA203055**

Straight Watertight Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets to 2-gang, device mount, FD boxes.	**HBL2030AP**

Non-Watertight Angle Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles to 1- or 2-gang standard wall boxes (4" or 4 11/16" square).	**AA2030PS**

Features and Benefits

50 Amp Plugs and Connector Bodies

Hubbell's 50 amp Twist-Lock® devices feature a heavy duty design built for heavy duty applications. These Hubbell 50 amp Twist-Lock plugs and connector bodies are built to go where you need power, even in some of the harshest environments.

On the outside, 50 amp plugs and connectors are made of super tough nylon for better impact resistance. On the plug, the stainless steel shroud not only provides protection and durability, but safety as well. That's because the rigid construction restricts distortion, thus minimizing the possibility of mating incorrect devices.

On the inside are the kinds of features that separate Hubbell from all the rest. The cord grip has been designed with offset gripping jaws to securely hold the conductors – not just the cord jacket. Hubbell's box terminals speed wiring and provide a superior termination. The plug's thermoplastic polyester interior provides excellent heat resistance without compromising strength.

In all, it's the combination of function and performance that Hubbell demands of all its products. That is why we will never add a feature that compromises performance.

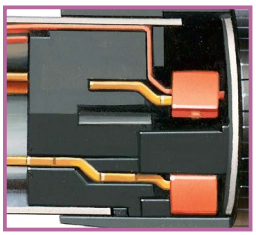






Housing Design

- Housing assembly latch slotted to fit standard flat-blade screwdriver providing secure assembly and fast disassembly for wiring
- Super tough nylon housing offers better impact qualities



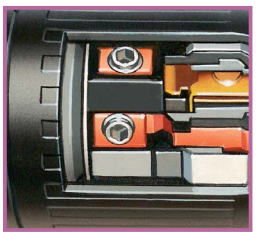
Internal Design

- Thermoplastic polyester interior provides heat resistance and impact strength
- 6/6 nylon nose – thermoplastic polyester terminal cover provides heat resistance in terminal area and impact strength of nose piece



Safety

- Stainless steel shroud restricts mismating with the wrong device
- Padlock capable shroud allows compliance to OSHA lockout tagout regulation 29 CFR 1910.147



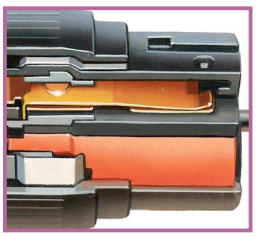
Terminals

- Box terminal with hex socket threaded slug is superior because it permits high clamping pressure on conductors without damaging strands



Installation

- Three-piece thermoplastic cord clamp assembly with stainless steel fast lead screws provides a more consistent, durable grip. Sealed cable entry keeps out moisture and dust



Contacts

- One-piece grounding contact on 4-wire devices provides a more reliable grounding system for a safer device

50 Amp, 125, 250 Volts and 480 Volts AC



CS8265C

IP20 SUITABILITY



50A 125V UL/CSA



50A 250V UL/CSA

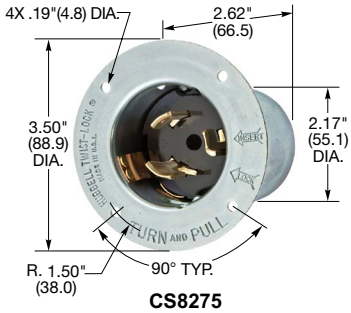


50A 480V AC UL/CSA

Plugs

Description	Cord Dia.	Catalog Number		
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**CS6361C**	**CS8265C**	**CS8465C**

Note: See page B-60 for accessories.



CS8275

Flanged Inlets

Description	Catalog Number		
Zinc plated steel casing, thermoset interior.	**CS6377**	**CS8275**	**CS8475†**

Note: †Not CSA Certified.



CS8264C

IP20 SUITABILITY



50A 125V UL/CSA



50A 250V UL/CSA

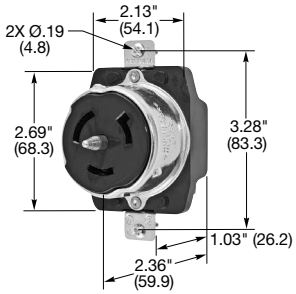


50A 480V AC UL/CSA

Connector Bodies

Description	Cord Dia.	Catalog Number		
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**CS6360C**	**CS8264C**	**CS8464C**

Note: See page B-60 for accessories.



CS8269

Receptacles

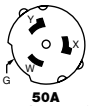
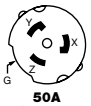
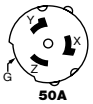
Description	Catalog Number		
Black phenolic.	**CS6370**	**CS8269**	**CS8469†**

Note: See page B-60 for accessories.
†Not CSA Certified.

Dimensions in Inches (mm)

50 Amp, 125/250, 3Ø 250 Volts and 3Ø 480 Volts AC

Plugs

Description	Cord Dia.	Catalog Number		
	IP20 SUITABILITY	 50A 125/250V AC UL/CSA	 50A 3Ø 250V AC UL/CSA	 50A 3Ø 480V AC UL/CSA
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**CS6365C**	**CS8365C**	**CS8165C**

Note: See page B-60 for accessories.

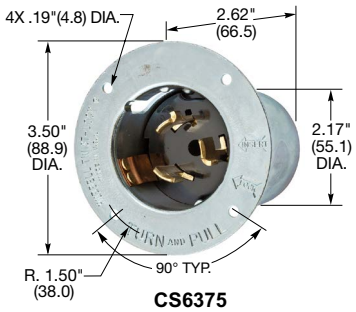


CS6365C

Flanged Inlets

Description	Catalog Number		
Zinc plated steel casing, thermoset interior.	**CS6375**	**CS8375**	**CS8175**
Zinc plated steel casing, thermoset interior with lift cover.	**CS6375M2**	**–**	**–**
Gray Valox® housing and flange.	**HBL6375S***	**–**	**–**

*Note: *Type 3R, (Not shown).*

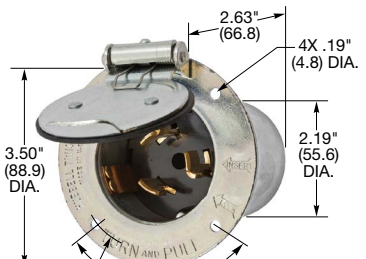


CS6375

Connector Bodies

Description	Cord Dia.	Catalog Number		
	IP20 SUITABILITY	 50A 125/250V AC UL/CSA	 50A 3Ø 250V AC UL/CSA	 50A 3Ø 480V AC UL/CSA
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**CS6364C**	**CS8364C**	**CS8164C**
Insulgrip® Connector with conduit adapter. Capable of accepting metallic or non-metallic conduit fittings.	½" NPT Size ¾" NPT Size 1" NPT Size	**–** **–** **–**	**CS8364CA05** **CS8364CA34** **CS8364CA10**	**–** **–** **–**

Note: See page B-60 for accessories.



CS6375M2

Receptacles

Description	Catalog Number		
Black phenolic.	**CS6369**	**CS8369**	**CS8169**

Note: See page B-60 for accessories.

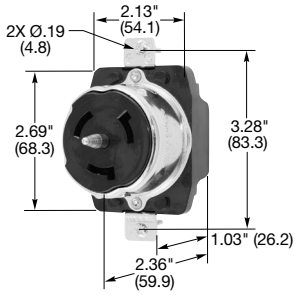


CS6364C



CS8364CA05


CS8364CA05
(Rear View)



CS6369

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

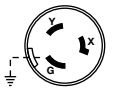
Dimensions in Inches (mm)

50 Amp, 250 Volts DC and 600 Volts AC



HBL3763C

IP20
SUITABILITY

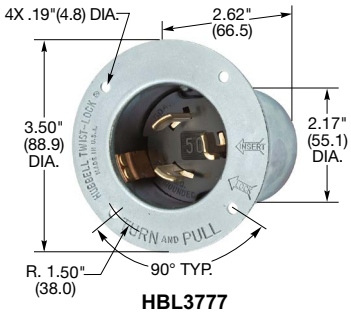


50A 250V DC
50A 600V AC

Plugs

Description	Cord Dia.	Catalog Number
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**HBL3763C**

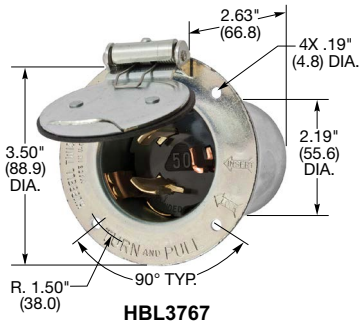
Note: See page B-60 for accessories.



HBL3777

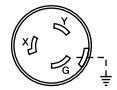
Flanged Inlets

Description	Catalog Number
Zinc plated steel casing, thermoset interior.	**HBL3777**
Zinc plated steel casing, thermoset interior with lift cover.	**HBL3767**



HBL3767

IP20
SUITABILITY



50A 250V DC
50A 600V AC

Connector Bodies

Description	Cord Dia.	Catalog Number
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**HBL3762C**

Note: See page B-60 for accessories.

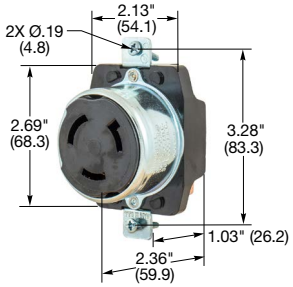
Receptacles

Description	Catalog Number
Black phenolic.	**HBL3771**

Note: See page B-60 for accessories.



HBL3762C



HBL3771

Dimensions in Inches (mm)

50 Amp, 250 Volts DC and 600 Volts AC

Plugs



50A 600V AC
50A 250V DC



50A 600V AC
50A 250V DC

Description	Cord Dia.	Catalog Number	
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**HBL3765C**	**HBL7765C**

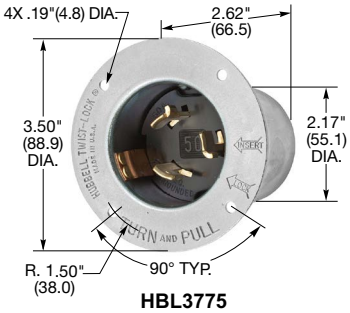
Note: See page B-60 for accessories.



HBL3765C

Flanged Inlets

Description	Catalog Number	
Zinc plated steel casing, thermoset interior.	**HBL3775**	**HBL7958**
Zinc plated steel casing, thermoset interior with lift cover.	**HBL3768**	**HBL7968**



HBL3775

Connector Bodies



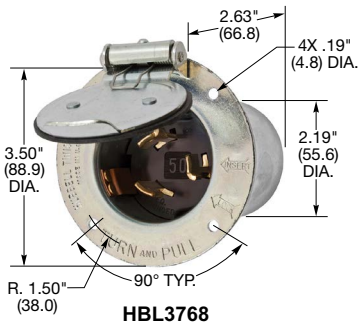
50A 600V AC
50A 250V DC



50A 600V AC
50A 250V DC

Description	Cord Dia.	Catalog Number	
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	**HBL3764C**	**HBL7764C**

Note: See page B-60 for accessories.



HBL3768

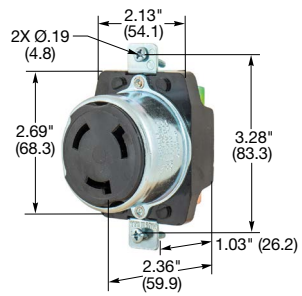
Receptacles

Description	Catalog Number	
Black phenolic.	**HBL3769**	**HBL7379**

Note: See page B-60 for accessories.



HBL3764C



HBL3769

Important Note: Catalog numbers HBL7765C, HBL7958, HBL7968, HBL7764C, HBL7379 are for replacement use only. See other singly rated 50A Twist-Lock® devices in this section. HBL3700 series Twist-Lock devices do not interchange with any other devices in this section.

Dimensions in Inches (mm)

50 Amp Twist-Lock® Accessories

IP44
SUITABILITY



HBL7770

Weatherproof Receptacle Lift Cover Plates for FS/FD Box Mounting

Description	Catalog Number
Corrosion resistant, gray thermoplastic.	**HBL7774WO**
Same as above except yellow.	**HBL77CM74WO**
Cast aluminum.	**HBL7770**

Note: See page O-21 for additional information on weatherproof covers.



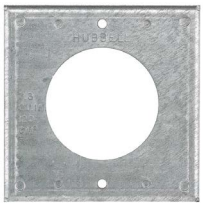
SS750

Receptacle Plates for FS/FD Box Mounting

Description	Catalog Number
Cast aluminum with lift cover.	**HBL7382•***
Same as above less lift cover.	**HBL7383•**
Stainless steel, single gang, wallplate.	**SS750▲**

Receptacle ½" Raised Cover

Description	Catalog Number
Galvanized Steel fits 4" square or 2-gang box.	**HBL50SC▲**



HBL50SC

Conduit Adapters for 50A Twist-Lock® Plugs and Connectors

Description	NPT Thread Size	Catalog Number
Thermoplastic housing, conduit adapters for use with CS style 50A Twist-Lock® devices. Available in ½", ¾" and 1" NPT thread sizes.	½"	**CS50CA05**
	¾"	**CS50CA34**
	1"	**CS50CA10**

IP55**
SUITABILITY



CS50CA34

Weatherproof Boots

Description	Catalog Number
Seal-Tite® triple seal black elastomeric cover for plugs when used in a cord set and connector bodies when used with flanged inlets.	**HBL7716C†**
Seal-Tite triple seal black elastomeric cover for connector bodies when used with cord sets.	**HBL7717C†**

Inlet Closure Plug

Description	Catalog Number
Black closure plug.	**HBL4892†**

Replacement Parts

Description	Catalog Number
Cord clamp Kit.	**HBLCSCK**

Note: •Will only fit non-"CS" type 50A Twist-Lock receptacles.
**Not UL Listed "WDL Closed".*
***When installed and used properly with plug and connector body combinations.*
▲IP20 SUITABILITY.
†Not UL Listed.



HBL7716C



HBL7717C



HBL4892



HBLCSCK

Features and Benefits

Hubbellock® Plugs and Connector Bodies

The Hubbellock devices feature an exclusive design unlike any other in the industry. The unique design is built to provide the safest heavy duty device even in some of the harshest environments. These Hubbellock plugs and connector bodies are built with a super tough nylon housing for high impact resistance and a one of kind interior design for superior safety that Hubbell is known for.

The male contacts are molded into the nose for damage resistance and completely eliminate the chance of deformity. Additionally, the plug as well as the connector retains power mechanical cord grips that not only secure the cable but also clamp down on the conductors in order to provide unrivaled strain relief.

Inside the connector is Hubbell's unique safety design. With unparalleled box terminations the connector interior holds a spring-loaded safety shutter to provide the ultimate arc protection. Furthermore the exceptional heat and impact resistance is maintained by the thermoplastic interior contributing to a longer lasting device.

In all, the one of a kind function of the Hubbellock devices provide a safe and dependable performance in the most demanding applications.



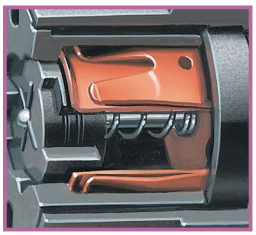


Note: The cut-away views below are construction elements pertaining specifically to the 30A Hubbellock series. While the Hubbellock contact interface design applies to all, there are construction elements that are different, depending on the amperage.



Housing Design

- Insulated non-metallic housing enhances safety and abuse resistance
- Impact resistance in the interior of the female device comes from a strong thermoplastic material



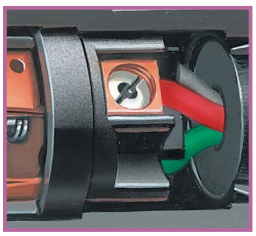
Internal Design

- No “lazy” connections because a spring-loaded safety shutter automatically ejects the plug if it hasn’t been properly locked into the female device. This eliminates teasing of the contacts, a major cause of contact burn-up
- Arcs are snuffed out, when devices are mated or unmated under load, by spring-loaded safety shutter



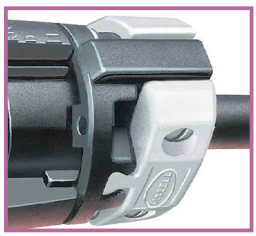
Safety

- Enhanced safety because access to live female contacts is restricted by the spring-loaded safety shutter



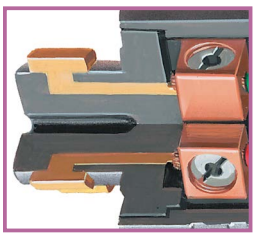
Terminals

- Superior wire terminations are assured with box terminals and screws with pressure pads. This design captures stray wire strands and permits more clamping pressure on the wire without damaging it. Loosening of terminations and resulting heat build-up are greatly reduced



installation

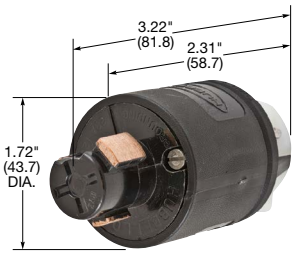
- Three-piece thermoplastic clamp assembly with fast-lead stainless screws provides a more consistent durable grip. Grommets provide a sealed cable entry that protects against the entry of moisture and dust



Contacts

- Positive locking is ensured by the nose of the plug being keyed into a detent in female device. This lock is independent of the contacts or a separate mechanical lock
- Longer contact life is assured by supplementary springs. Other devices rely just on contacts themselves to provide proper contact pressure

20 Amp, 125 Volts



HBL23035B

IP30
SUITABILITY



20A 125V

Plug

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	**HBL23035B**



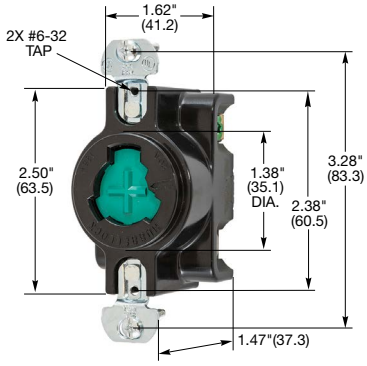
HBL23032B



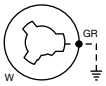
20A 125V

Connector Body

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	**HBL23032B**



HBL23030



20A 125V

Receptacle

Description	Catalog Number
Black phenolic, back wired.	**HBL23030**

Note: Devices listed above are not interchangeable with any other Hubbellock device listed in this catalog.



HBL7423WO

Accessories

Weatherproof Covers

Description	Catalog Number
Gray polycarbonate for FS/FD box mounting, corrosion resistant. IP44 SUITABILITY.	**HBL7423WO**
Same as above except yellow.	**HBL74CM23WO**
Cast aluminum, lift cover for indoor use only.	**HBL23007**
Stainless steel 302/304, single receptacle wallplate.	**SS7**
Stainless steel 430, single receptacle wallplate.	**SS7L**



HBL23007

Dimensions in Inches (mm)

20 Amp, 125 Volts AC or DC, 10 Amp, 250 Volts DC, 480 Volts AC

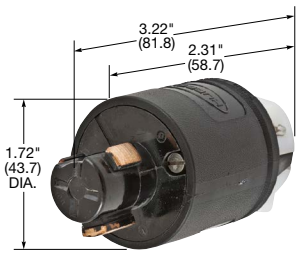
IP30
SUITABILITY



20A 125V

Plug

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	**HBL23005GB**



HBL23005GB



20A 125V

Connector Body

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	**HBL23002GB**



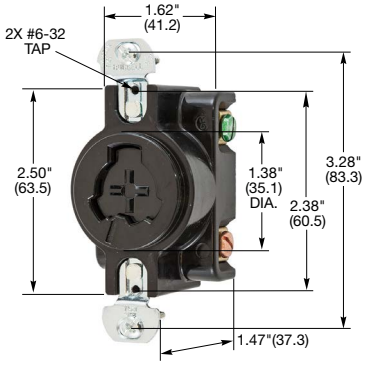
HBL23002GB



20A 125V

Receptacle

Description	Catalog Number
Black phenolic, back wired.	**HBL23000G**



HBL23000G

Accessories

Weatherproof Covers

Description	Catalog Number
Gray polycarbonate for FS/FD box mounting, corrosion resistant. IP44 SUITABILITY.	**HBL7423WO**
Same as above except yellow.	**HBL74CM23WO**
Cast aluminum, lift cover for indoor use only.	**HBL23007**
Stainless steel 302/304, single receptacle wallplate.	**SS7**
Stainless steel 430, single receptacle wallplate.	**SS7L**

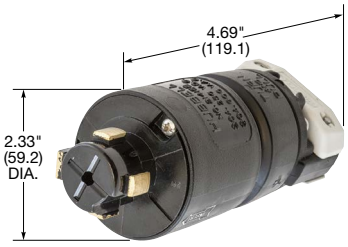

HBL7423WO



HBL23007

Dimensions in Inches (mm)

30 Amp, 600 and 480 Volts AC, 20 Amp, 250 Volts DC



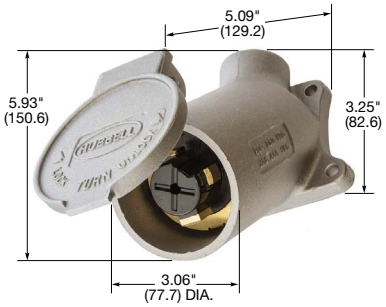
HBL21415B



HBL20445B

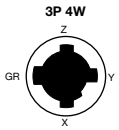


HBL25415B

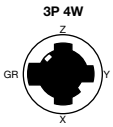


HBL21447

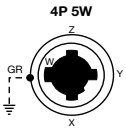
IP30
SUITABILITY



30A 600V AC
20A 250V DC



30A 480V AC



30A 600V AC
20A 250V DC

Plugs

Description	Cord Dia.	Catalog Number		
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)	**HBL21415B**	–	–
Same as above except corrosion resistant.	.700"-1.200" (17.78-30.5)	**HBL21CM415B**	–	–
Red nylon housing, thermoset interior.	.700"-1.200" (17.78-30.5)	–	**HBL20445B†**	–
Black nylon housing, thermoset interior, steel shroud.	.700"-1.200" (17.78-30.5)	–	–	**HBL25415B**

Note: See page B-68 for accessories.
†Not CSA Certified.

Flanged Inlets

Description	Catalog Number		
Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting.	**HBL22CM428**	–	–
Black phenolic interior, aluminum housing, for FS/FD box mounting (not shown).	**HBL20418**	–	–
Aluminum angle housing, with ¾" NPT hub for surface mounting.	**HBL21447**	–	–



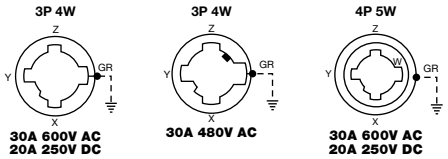
SEHBL3 - Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle. Receptacle not included. See page B-41 for additional information.

Dimensions in Inches (mm)

30 Amp, 600 and 480 Volts AC, 20 Amp, 250 Volts DC

Connector Bodies

IP30 SUITABILITY



Description	Cord Dia.	Catalog Number		
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)	**HBL21414B**	–	–
Same as above except corrosion resistant.	.700"-1.200" (17.78-30.5)	**HBL21CM414B**	–	–
Red nylon housing, thermoset interior.	.700"-1.200" (17.78-30.5)	–	**HBL20444B**	–
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)	–	–	**HBL25414B**

Note: See page B-68 for accessories.



HBL21414B



HBL20444B

Receptacles

Description	Catalog Number		
Black phenolic.	**HBL20403**		
Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting. IP44 SUITABILITY.	**HBL22CM427**	–	–
Aluminum angle housing, with ¾" NPT hub for surface mounting. IP44 SUITABILITY.	**HBL21420**		
Black phenolic, red center insert.	–	**HBL20443**	–
Black phenolic interior, aluminum housing, blue finish, for FS/FD box mounting.	–	–	**HBL25403**
Black phenolic interior, aluminum weatherproof housing, blue finish for FS/FD box mounting. IP44 SUITABILITY.	–	–	**HBL25250**

Note: See page B-68 for accessories.

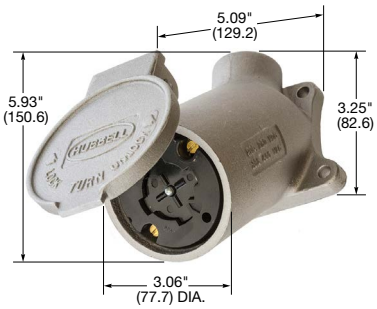


HBL25414B

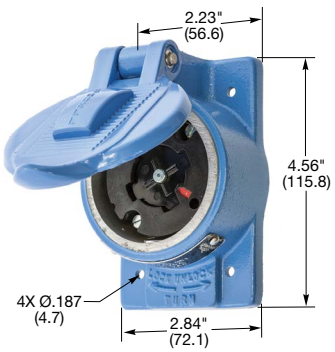
Receptacle Accessories

Description	Catalog Number
Thermoplastic, wet and damp locations with cover “open”, gray.	**HBL7428WOG***
Thermoplastic, wet and damp locations with cover “open”, yellow.	**HBL7428WOY***
Thermoplastic, wet and damp locations with cover “open”, red.	**HBL7428WOR***
Cast aluminum, wet locations only when cover “closed” and damp locations, lift cover plate.	**HBL20405**
Cast aluminum, wet locations only when cover “closed” and damp locations, red finish.	**HBL20446**
302/304 stainless, single gang, smooth. NOT weatherproof.	**SS737**

*Note: *Features two #6-32 threaded inserts to back mount device to cover.*



HBL21420



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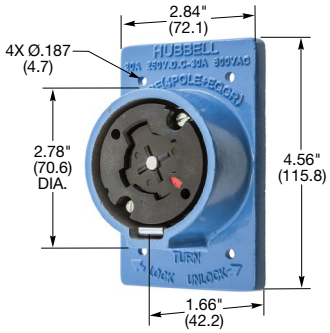
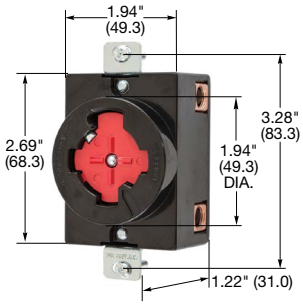


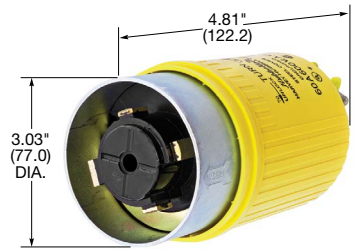
HBL25403



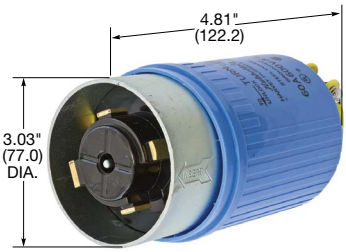
HBL20443

Dimensions in Inches (mm)

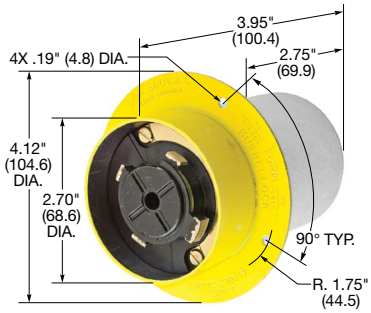
60 Amp, 600 Volts AC



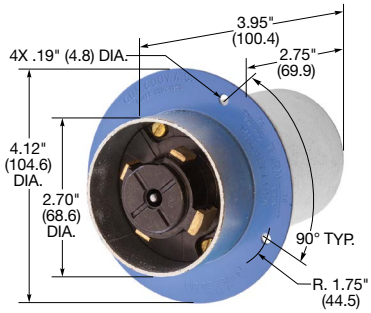
HBL26419



HBL26519



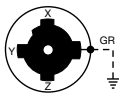
HBL26422



HBL26522

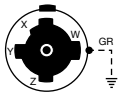
IP30
SUITABILITY

3P 4W



60A 600V AC

4P 5W



60A 600V AC

Plugs

Description	Cord Dia.	Catalog Number	
Black phenolic interior with yellow thermoplastic sleeve over steel housing.	.920"-1.450" (23.36-36.83)	**HBL26419**	–
Black phenolic interior with blue thermoplastic sleeve and steel housing.	1.00"-1.50" (25.40-38.10)	–	**HBL26519**

IP30
SUITABILITY

Flanged Inlets

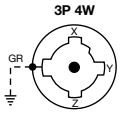
Description	Catalog Number	
Black phenolic interior with steel housing and flange.	**HBL26422**	–
Black phenolic interior with steel housing and flange with blue finish.	–	**HBL26522**

Dimensions in Inches (mm)

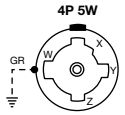
60 Amp, 600 Volts AC

Connector Bodies

IP30
SUITABILITY

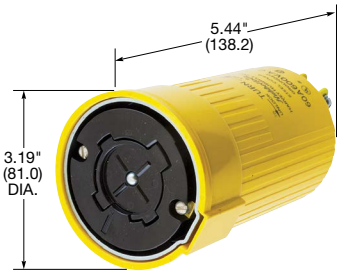


60A 600V AC

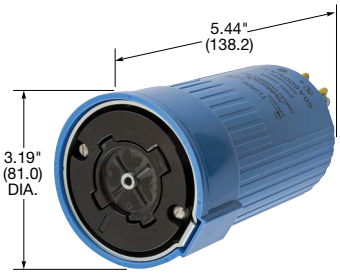


60A 600V AC

Description	Cord Dia.	Catalog Number	
Black phenolic interior with yellow thermoplastic sleeve over steel cover.	.920"-1.450" (23.36-36.83)	**HBL26418**	–
Black phenolic interior with blue thermoplastic sleeve over steel cover.	1.00"-1.50" (25.40-38.10)	–	**HBL26516**



HBL26418



HBL26516

Receptacles

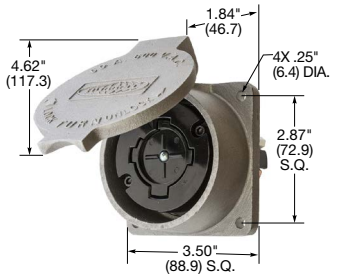
IP44
SUITABILITY

Description	Catalog Number	
Black phenolic interior with short aluminum housing and lift cover.	**HBL26410**	–
Black phenolic interior with long aluminum housing and lift cover.	**HBL26420**	–
Black phenolic interior with long aluminum housing with lift cover and blue finish.	–	**HBL26520**

Flanged Receptacles

IP30
SUITABILITY

Description	Catalog Number	
Black phenolic interior with steel housing and flange.	**HBL26421**	–
Black phenolic interior with steel housing and flange with blue finish.	–	**HBL26521**

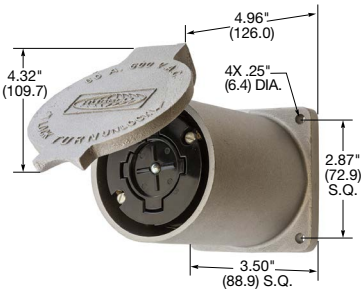


HBL26410

Receptacle Box and Adapter Plates (Box requires one adapter)

Description	Catalog Number
Box, cast aluminum, only for 60A Hubbellock receptacles.	**HBL26401**
Straight adapter plate.	**HBL26402**
45° adapter plate.	**HBL26404**

Note: Straight or angle adapter plate must be used when mounting a 60A receptacle to HBL26401 box. Cannot be used with round flanged receptacles and inlets.
See page B-68 for additional information.



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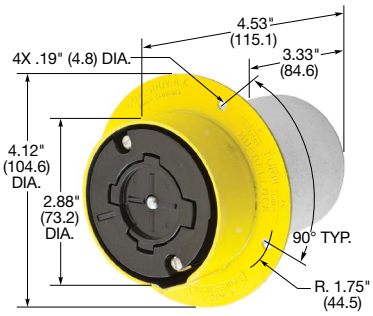
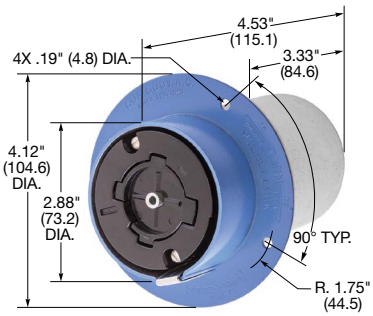


HBL26421



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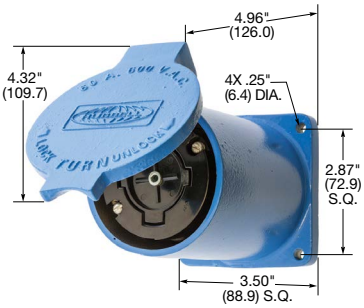


HBL26520

Dimensions in Inches (mm)

Hubbellock® Accessories



HBL20405



SEHBL3



SAB34



HBL20424B



HBL20425B



H660A

30 Amp Hubbellock® Accessories

Receptacle Plates for FS/FD Box Mounting

Description	Catalog Number
Thermoplastic, wet and damp locations with cover “open”, gray.	**HBL7428WOG***
Thermoplastic, wet and damp locations with cover “open”, yellow.	**HBL7428WOY***
Thermoplastic, wet and damp locations with cover “open”, red.	**HBL7428WOR***
Cast aluminum, wet location only when cover “closed” and damp locations, lift cover plate.	**HBL20405**
Cast aluminum, wet location only when cover “closed” and damp locations, red finish.	**HBL20446**
302/304 stainless, single gang, smooth. NOT weatherproof.	**SS737**

*Note: *Features two #6-32 threaded inserts to back mount device to cover.*

IP54
SUITABILITY

Switched Enclosure

Description	Catalog Number
Switched enclosure for use with 30A 3 pole 4 wire Hubbellock receptacle. Receptacle not included.	**SEHBL3**

Note: For more information on switched enclosures see page B-38.

Liquidtight Metallic Conduit Adapters

Description	Catalog Number
Adapter for use with ½" NPT conduit fittings.	**SAB12**
Adapter for use with ¾" NPT conduit fittings.	**SAB34**

Boots

Description	Catalog Number
“Mini” boot for 4 wire Hubbellock connector body.	**HBL20424B†**
“Mini” boot for 4 wire Hubbellock plug.	**HBL20425B†**

Note: †Not UL Listed or CSA Certified.

60 Amp Hubbellock® Accessories

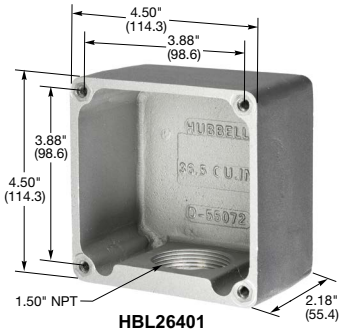
Receptacle Box and Adapter Plates (Box requires one adapter)

Description	Catalog Number
Box, cast aluminum, only for 60A Hubbellock receptacles.	**HBL26401**
Straight adapter plate.	**HBL26402**
45° adapter plate.	**HBL26404**

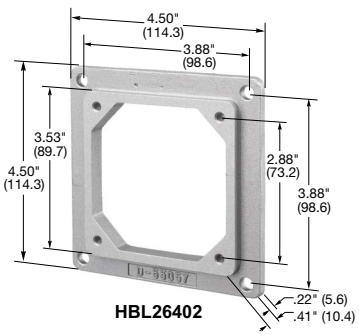
Note: Straight or angle adapter plate must be used when mounting a 60A receptacle to HBL26401 box. Cannot be used with round flanged receptacles and inlets.

Kellems® Cable Grip

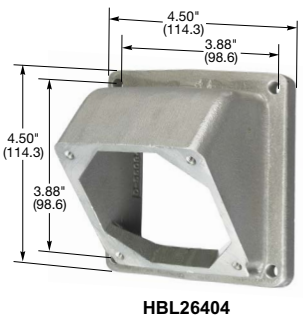
Description	Cord Diameter	Catalog Number
Cable grip.	.830"-1.000" (21.1-25.4)	**H660A**
Cable grip (not shown).	1.000"-1.140" (25.4-28.9)	**H661A**
Cable grip (not shown).	1.125"-1.328 (28.6-33.7)	**H662A**



HBL26401



HBL26402



HBL26404

Dimensions in Inches (mm)

Technical Information

15-30 Amp Twist-Lock and Safety-Shroud® Devices

Specifications

Listings
Listed to UL Standard 498 (Attachment Plugs and Receptacles). Fed. Spec. W-C-596 (Insulgrip® and Safety-Shroud®). Certified to CSA Standard C22.2 No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

Plugs and Connector Bodies (Insulgrip®)	**15-30A**
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black nylon (yellow in "CM" devices)
Cord Clamp	Natural (white) nylon
Dust Shield	EPDM
Blades/Contacts	Brass
Terminal Clamp	Cold rolled steel – nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Cord Clamp Screws	Steel, zinc plated
Body Holding Screws	Steel, zinc plated

Flanged Inlet/ Receptacles	**15-30A**
Flanged Casing	Natural (white) nylon
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Blades/Contacts	Brass
Drive Screws	Steel, zinc plated
Terminal Clamp	Cold rolled steel, nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Mounting Screws Screw Sizes	Nickel plated brass round head screws 15A: 6-32, $\frac{3}{8}$" long 20A and 30A: 8-32, $\frac{7}{16}$" long

Receptacle, Single	**15A**	**20A and 30A**
Cover (Top)	Nylon (Black)	Nylon (Black)
Base	RTP (Black)	RTP (Natural)
Contact Springs	.031" Brass	.040" Brass
Clamp	.031" Brass	.040" Brass
Ground Contact	.031" Brass	.040" Brass
Ground Shunt	–	.015" Brass
Bridge (Mounting Strap)	.050" Steel, zinc plated	–
End Plates (Mounting)	–	.050" Brass
Back Plate	–	.040" Brass
Terminal Screws	Brass (8-32)	Brass (10-32) (white finish on neutral screw when used)
Grounding Screw	Brass (Green)	Bronze (Green)
Flat Head Mounting Screws	Steel, zinc plated	Steel, zinc plated
Auto Ground Clip	Stainless steel	Stainless steel (Used only on IG receptacle)

Safety-Shroud® Receptacles Angle, Surface Semi-Flush	**20-30A**
Housing and Mounting Flange	Gray Valox®
Mounting Plate (Angle Housing Only)	Galvanized steel
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Body Holding Screws	Steel, zinc plated
Contact Springs	Brass
Spring Binding Plate	Brass
Terminal Clamp	Steel, nickel plated .080" curved, scalloped
Terminal Screws	10-32 Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Mounting Plate Screws	Steel, zinc plated
Wallplate Mounting Screws	Steel, zinc plated

Safety-Shroud® Twist-Lock® Plug	**20-30A**
Insulgrip Plug with Safety-Shroud installed	
Safety-shroud	White Valox®
Cord Clamp	White nylon

Performance (Twist-Lock® and Safety Shroud Devices)	
Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise Fed. Spec.	Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596).

Mechanical (Twist-Lock® and Safety Shroud Devices)	
Cord Accommodation (Plugs and connectors only)	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49.
Cord Grip Accommodation (Insulgrip)	15A: .230"-.720" (5.8-18.3); 20A and 30A 3W: .360"-.930" (9-24); 20A and 30A 4W-5W: .350"-1.150" (9-29).
Terminal Identification	Terminals identified in accordance with UL 498 (X, Y, Z, White, Green).
Terminal Accommodation	20A and 30A, #16-#8 AWG. 15A, #18-#10 AWG. Solid or stranded copper wire only.
Product Identification	Ratings are a permanent part of the device housing.

Environmental (Twist-Lock® and Safety Shroud Devices)	
Flammability (Enclosure)	HB or better per UL94/CSA 22.2 No. 0.17.
Plugs, Connectors, Flanged Receptacles and Flanged Inlets Receptacles (Box Mount)	V2 or better.
Operating Temperatures	Maximum Continuous 75°C. Minimum -40°C (w/o impact).

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Technical Information

20 and 30 Amp Watertight Safety-Shroud® Twist-Lock® Devices

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).

Certified to CSA Standard No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).
Fed. Spec. WC-596.
UL Listed, CSA Certified to Type 4, 4X and Type 12.

Part	Materials
Watertight Safety-Shroud® Plug (Insulgrip®)	**20 and 30A**
Blade Holder	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black Valox®
Cord Clamp	White Valox®
Blades	Brass
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Cord Clamp Screws	Stainless steel 302/304, combination head
Body Holding Screws	Stainless steel 302/304, combination head
Closure Cap and Strap	Neoprene EPDM Blend
Watertight Safety-Shroud® Connector (Insulgrip®)	**20 and 30A**
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Contact Spring	Brass
Spring Binding Plate	Brass
Cover (Housing)	Black Valox®
Cord Clamp	White Valox®
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screws when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Cord Grip Screws	Stainless steel 302/304, combination head
Body Holding Screws	Stainless steel 302/304, combination head
Closure Cap and Strap	Polypropylene with Neoprene gasket
Watertight Safety-Shroud Receptacle, Single*	**20 and 30A**
Housing and Flange	Gray Valox
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Drive Screws	Steel, zinc plated
Contact Spring	Brass
Spring Binding Plate	Brass
Terminal Clamp	Steel, nickel plated .080" curved, scalloped
Flange Gasket	Closed-cell neoprene foam
Lid Gasket	Closed-cell neoprene foam
Cover Hinge Pin	Stainless steel 302/304
Cover Spring	Stainless steel 302/304
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Mounting Screws	Stainless steel 302/304 combination head
Watertight Safety-Shroud® Flanged Inlet	**20 and 30A**
Housing and Flange	Gray Valox
Blade Holder	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Blades	Brass
Drive Screws	Steel, zinc plated
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Closure Cap	Neoprene EPDM blend
Mounting Screws	Stainless steel 302/304 combination head

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596).
Mechanical	
Cord Accommodation (Plugs and connectors only)	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49.
Cord Grip Accommodation	20 and 30A, 3W: .32"-.93" (8.1-24.0mm) #16-3 Type SJ-#8-3 Type S, SO; 20 and 30A, 4W: .35"-1.15" (9.0-29.2mm) #16-4 Type SJ-#8-4 Type S, SO; 20 and 30A, 5W: .35"-1.15" (9.0-29.2mm) #16-5 Type S, SO - #8-5 Type S, SO.
Terminal Identification	Terminals identified in accordance with UL 498 (X, Y, Z, White, Green).
Terminal Accommodation	#16- #8 AWG solid or stranded copper wire only.
Product Identification	Ratings are a permanent part of the device blade holder, and are also labeled on device color coded by voltage, visible in use. Catalog No. I.D. is on device visible in use.
Environmental	
Moisture Resistance	Type 4, 4X, 12, IP66 suitability.
Flammability (Enclosure)	V0 per UL94 or CSA 22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C (w/o impact).

*Note: *Suitable for use as a flanged receptacle.*

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Technical Information

50 Amp Twist-Lock® Devices

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).
Certified to CSA Standard No. 42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

Part	Materials
Plug (Twist-Lock)	**50A**
Blade Holder	Thermoplastic polyester (black)
Power Blades	Brass
Terminal Set Screw	Stainless steel
Terminal Retainer	Thermoplastic polyester
Front and Rear (housing)	Supertough nylon
Cord Clamp	Thermoplastic polyester (white)
Seal	Neoprene
Seal Cup	Nylon
Box Terminal	Copper
Latches	Supertough nylon
Ground Contact Spring	One piece copper/nickel
Cord Clamp Screws	302/304 Stainless steel
Shroud	302/304 Stainless steel

Connector (Twist-Lock)	**50A**
Contact Nose	Nylon (black)
Terminal Retainer	Thermoplastic polyester (black)
Terminal Set Screw	302/304 Stainless steel
Contact Spring	Brass
Assembly Ring	302/304 Stainless steel
Front and Rear (housing)	Supertough nylon (black)
Latches	Supertough nylon (white)
Cord Clamp	Thermoplastic polyester (white)
Box Terminal	Copper
Contact Holder	Thermoplastic polyester (black)
Ground Contact	One piece copper/nickel
Seal Cup	Nylon
Cord Grip screws	302/304 Stainless steel
Seal	Neoprene

Part	Materials
Flanged Inlet	**50A**
Flanged Casing	.062" Steel, zinc plate
Blade Holder	Phenolic
Pressure Screws	Steel, zinc plate
Blades	.100" Brass
Ground Spring	.025" Bronze
Terminals	.050" Steel, brass finish
Grounding Terminal	.062" Copper, green finish
Round Head Screws	Steel, zinc plate

Receptacle	**50A**
Body	Phenolic
Face	Phenolic
Contact Springs	.100" Brass alloy
Contact Binding Plates	.100" Brass
Ground Contact	.031" Brass
Insulator	.093" Laminated phenolic
Bridge (Mounting Strap)	.062" Steel, zinc plate
Pressure Screws	Steel, zinc plate
Terminals	.050" Steel
Casing	.062" Steel, zinc plate
Center Pin (CS Devices)	Steel, zinc plate

Product Identification

Ratings	Molded into face for all devices and stamped into stainless steel shroud on plug devices.
Catalog Number	Molded into face for plug and connector bodies and stamped into stainless steel shroud on plug devices.

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current (UL 498).
Mechanical	
Terminal Accommodation	#8 AWG min. - #4 AWG max. Solid or stranded copper wire only.
Cord Grip Accommodation	Round cords types: S, SO, ST .830"-1.250" (21.08-31.75).
Environmental	
Flammability	UL 94 V0 for Receptacles and Inlets. HB or better for Plugs and Connectors.
Operating Temperatures	Maximum continuous 75°C; minimum –40°C (w/o impact).

Note: Please consult the factory for product dimensions and specifications for other products listed in this catalog.

Technical Information

Switched Twist-Lock® and Hubbellock® Enclosures

Specifications

Typical Specifications	
Manufacturer's Identification	Hubbell SETL3/SEHBL3-SE2730A.
Description	Lockable Switched Enclosure. This unit is a complete enclosure ready to accept any 20 or 30A Twist-Lock or 30A Hubbellock receptacle.
Electrical Type	2 Pole + Earth through 4 Pole and Earth.
Rating	20 or 30A, 125V through 3ØY 347/600V AC.
Configuration	NEMA Locking L5-20R through L23-30R.
Enclosure Type	Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability. Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout).
Enclosure Material	Non-metallic enclosure suitable for metallic conduit.

Materials

Part	Materials
Base	Valox®
Top	Valox®
Handle	Valox®
Conduit Hub	Zinc ¾" watertight
Enclosure Gasket	Neoprene
Shaft	Valox®
Shaft Seal	Molded neoprene
Frame	Galvanized steel
Lift Cover	Valox®
Enclosure Screws	Stainless steel 300 series
Hinge Spring and Pin	Stainless steel 300 series

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V minimum.
Max. Working Voltage	600V RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical 10,000 cycles; Electrical 6,000 cycles.
Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label and receptacle face.
Weight	3.5 pounds.
Mounting	External fully adjustable feet.
Environmental	
Moisture Resistance	Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability. Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout).
Flammability	UL94 – 5 VA and V0 classification.
Operating Temperature	Maximum continuous +75°C; Minimum continuous -40°C.
UV Resistance	All materials are UV stabilized.

Note: This device provides on/off switched control of a plug connected load and includes lockout provision: ON-OFF control knob (in the OFF position) accepts up to a $^{5}/_{16}$" (8.0) diameter shackle of suitable padlock lockout device to isolate energy from the receptacle and cord connected equipment as a method of compliance to OSHA Lockout/Tagout Regulation 29CRF Part 1910.147.

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Technical Information

Mechanical Interlock Switched Safety Enclosures

Specifications

Typical Specifications	
Manufacturer's Identification	Hubbell HBLMITL.
Description	Circuit-Lock Mechanical Interlock.
Electrical Type	2 Pole + Earth through 4 Pole and Earth.
Rating	Up to 30A, 3Ø 600V AC.
Enclosure Type	Outdoor – 4X (Watertight, Washdown); Indoor – 12K (Dust-tight, Falling Dirt and noncorrosive liquids with knockout. IP66 suitability.
Enclosure Material	Non-metallic enclosure suitable for metallic conduit.

Materials

Part	Material
Base	Valox®
Top	Valox®
Handle	Valox®
Conduit Hub	Zinc ¾" watertight
Enclosure Gasket	Neoprene
Shaft	Valox®
Shaft Seal	Neoprene
Frame	Galvanized steel
Enclosure Screws	Stainless steel 300 series

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V Min.
Max. Working Voltage	600V RMS.
Current Interrupting	Certified for current interrupting at full rated current voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical 10,000 cycles; Electrical 6,000 cycles.
Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA.
Product Identification	Identification and ratings are part of the external label and receptacle face.
Weight	3.5 pounds.
Mounting	External full adjustable feet.
Environmental	
Moisture Resistance	Outdoor – 4X (Hose-Directed Water, Corrosion Resistance), IP66 suitability.
Flammability	Meets UL 94V0 material classification.
Operating Temperature	Maximum continuous +75°C; Minimum continuous -40°C.
UV Resistance	All exposed materials are UV stabilized.

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Technical Information
Valise® Plugs and Connectors

Specifications

Plugs
Typical Specification - Catalog No. HBL4723VY.
Description - Straight Body Plug
Type – 2 Pole, 3 Wire, Grounding
Rating – 15 and 20A 125V, 250V, and 277V AC, 30A 125 and 250V
Certification – UL Listed File E1706, CSA Certified
IP Suitability – **IP20**

Part	Material
Plug	15, 20 and 30A
Housing	Nylon
Blades	Brass
Ground Blade	Brass
Terminal Screws	Steel multiple drive
Cable Inserts	Polyphenylene Oxide
Terminal Clamps	CR Steel
Body Holding Screws	Steel multiple drive

Connector Bodies
Typical Specification- Catalog No. HBL4729VY
Description – Straight Body Connector
Type – 2 Pole, 3 Wire, Grounding
Rating – 15 and 20A 125V, 250V, and 277V AC, 30A 125 and 250V
Certification – UL Listed File E1706, CSA Certified
IP Suitability – **IP20**

Part	Material
Connector	15, 20 and 30A
Housing	Nylon
Contact and Ground Springs	Brass
Terminal Screws	Steel multiple drive
Cable Inserts	Polyphenylene Oxide
Terminal Clamps	CR Steel
Body Holding Screws	Steel multiple drive

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V, 250V or 277V AC as rated.
Current Interrupting	Certified for full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current.
Mechanical	
Terminal Identification	Screw Color per UL 498 (Brass, White and Green).
Terminal Accommodation	15A-18 to 12AWG. Solid or stranded copper wire only. 20A-18 to 10AWG. Solid or stranded copper wire only. 30A-14 to 8AWG. Solid or stranded copper wire only.
Product Identification	Molded rating on device face.
Torque	12 in-lb terminal screws, 7 in-lb assembly screws.
Cord Range	
15A	.220" to .660" (5.6mm to 16.8mm).
20A	.325" to .720" (8.26mm to 18.3mm).
30A	.590" to .930" (15.0mm to 23.6mm).
Environmental	
Flammability	UL 94HB.
Operating Temperature	Maximum continuous 75°C, minimum -40°C (w/o impact).
Standards	
Listed to UL Standard UL498	
Certified to CSA Standard C22.2 No. 42	

SECTION C

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Watertight Devices



FD Boxes and Angled Adapters



GFCI Protected FD Box



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Features and Benefits

Watertight Safety-Shroud® Twist-Lock® System

- Virtually eliminates bent and broken plug blades, leading to longer equipment life
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades
- Extra protection for personnel by significantly reducing chance of inadvertent contact with blades when connecting or disconnecting energized receptacles and connector bodies
- Reduces exposure to arcing when connecting or disconnecting plugs under load
- Compliance with California Code of Regulations, Title 8, Article 51, subsection 2510.7(b), which requires shrouding for devices exceeding 300 volts
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147



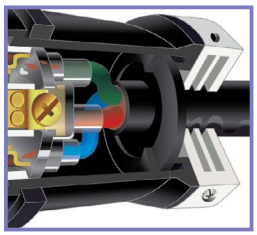


Note: Works with Mechanical Interlocks, see page B-41 for additional information.



Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavy duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use



Assembly

- Cord grip screw recess minimizes screwdriver slippage
- All screws are #10 multiple drive head



Cord Range

- Assorted TPE seal glands can accommodate a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO
- Sealing gland and thermoplastic guard prevents water ingress from entering the device at the cord end



Panel or Box Mount Receptacles and Inlets

- High impact, thermoplastic housing for heavy duty industrial environments
- Mounting screw recesses minimize screwdriver slippage
- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices



Identification

- Catalog number and color-coded voltage rating are easily visible even when in use
- Alignment arrows and lock and unlock symbols provide a visual indication that devices are properly connected



Spring-Loaded Cover

- One-step, push-to-close, spring-loaded cover with latch allows for fast opening and closing of lift cover

  Result: Environmental sealing is assured

Watertight Safety-Shroud® Twist-Lock® Devices






	NEMA Rating Color Coded by Voltage	Plug/ Connector	Poles/Wires	Plug	Connector	Flanged Inlet	Receptacle
20 Amp	NEMA L5-20 20A 125V		2P/3W	**HBL2311SW**	**HBL2313SW**	**HBL2315SW**	**HBL2310SW**
	NEMA L6-20 20A 250V		2P/3W	**HBL2321SW**	**HBL2323SW**	**HBL2325SW**	**HBL2320SW**
	NEMA L7-20 20A 277V AC		2P/3W	**HBL2331SW**	**HBL2333SW**	**HBL2335SW**	**HBL2330SW**
	NEMA L14-20 20A 125/250V AC		3P/4W	**HBL2411SW**	**HBL2413SW**	**HBL2415SW**	**HBL2410SW**
	NEMA L15-20 20A 3Ø 250V AC		3P/4W	**HBL2421SW**	**HBL2423SW**	**HBL2425SW**	**HBL2420SW**
	NEMA L16-20 20A 3Ø 480V AC		3P/4W	**HBL2431SW**	**HBL2433SW**	**HBL2435SW**	**HBL2430SW**
	NEMA L21-20 20A 3ØY 120/208V AC		4P/5W	**HBL2511SW**	**HBL2513SW**	**HBL2515SW**	**HBL2510SW**
30 Amp	NEMA L5-30 30A 125V		2P/3W	**HBL2611SW**	**HBL2613SW**	**HBL2615SW**	**HBL2610SW**
	NEMA L6-30 30A 250V		2P/3W	**HBL2621SW**	**HBL2623SW**	**HBL2625SW**	**HBL2620SW**
	NEMA L14-30 30A 125/250V AC		3P/4W	**HBL2711SW**	**HBL2713SW**	**HBL2715SW**	**HBL2710SW**
	NEMA L15-30 30A 3Ø 250V AC		3P/4W	**HBL2721SW**	**HBL2723SW**	**HBL2725SW**	**HBL2720SW**
	NEMA L16-30 30A 3Ø 480V AC		3P/4W	**HBL2731SW**	**HBL2733SW**	**HBL2735SW**	**HBL2730SW**
	NEMA L17-30 30A 3Ø 600V AC		3P/4W	**HBL2741SW**	**HBL2743SW**	**HBL2745SW**	**HBL2740SW**
	NEMA L21-30 30A 3ØY 120/208V AC		4P/5W	**HBL2811SW**	**HBL2813SW**	**HBL2815SW**	**HBL2810SW**

Mechanical Interlock Switched Safety Enclosure

Description	Catalog Number
Unfused mechanical interlock integrates a watertight safety shroud receptacle with a linked disconnect switch. See page B-41 for additional information.	**HBLMITL**



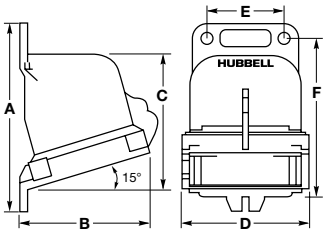
HBLMITL

Specifications

Listings
Listed to UL Standard 498
Certified to CSA Standard No.42
Fed. Spec. WC-596

Environmental	
Moisture Resistance	UL Type 4, 4X, 12, IP66 suitability
Flammability (Enclosure)	V0 per UL94 or CSA 22.2 No. 0.17
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C (without impact)

Accessories

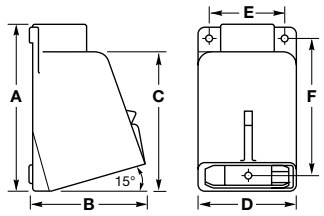


Non-Metallic Angle Box

15° Angle Non-Metallic Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00"	**BB2030N**

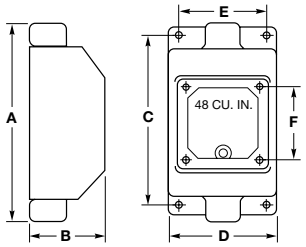
Note: Hub is not included; order Raco part number 1704. This box meets IP69k requirement and Type 4X requirements when installed with a watertight conduit hub.



Metallic Angle Box

15° Angle Metallic Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB201W**
	1"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB301W**

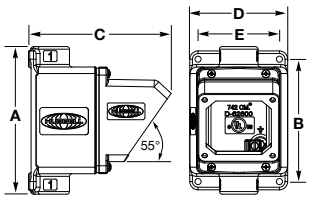


Metallic Feed Thru Box

Metallic Feed Thru Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	¾"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT202W**
	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT302W**

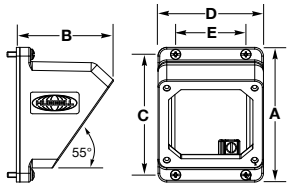
Note: These boxes are cast aluminum and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL raintight and external icing tests. NPT (metric designator).



AB203055

55° Angle Metallic Adapter and Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	6.80" (172.4)	5.63" (142.9)	6.60" (167.0)	4.50" (114.3)	3.74" (95.0)	-	45.27"	**AB203055**



AA203055

55° Angle Metallic Adapter with Grounding Lug

Description	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	4.89" (172.4)	3.33" (167.0)	4.29" (142.9)	3.75" (114.3)	2.50" (95.0)	-	25.00"	**AA203055**



HBL2030AP

Straight Watertight Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets to 2-gang, device mount, FD boxes.	**HBL2030AP**



AA2030PS

Non-Watertight Angle Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles to 1- or 2-gang standard wall boxes (4" or 4 11/16" square).	**AA2030PS**

Dimensions in Inches (mm)

Features and Benefits

Watertight Devices

- The triple bypass seal provides a Watertight UL Type 4X and IP69K seal where devices are mated
- The cone seal at the cable entrance provides protection from water ingress
- Strongest strain relief for any Watertight device on the market, utilizing the patented Gotcha ring and collapsible bushing combination
- Nickel plated brass contacts and stainless steel screws provide corrosion resistance for metallic components
- Impact resistant, smooth, thermoplastic elastomer body helps collection point and aids in easy debris removal
- Floating cap rings allows for easy removal of dirt and debris





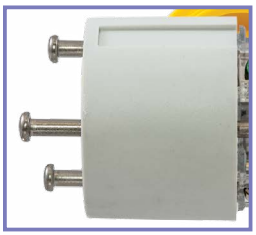
Industry's First IP69k Devices

Superior water ingress protection uniquely designed for the most extreme wash down procedures, withstanding hot and high pressure water, in addition to excessively dusty environments.



Housing Design

- LED version illuminates to let you know that the device is wired properly
- Smooth body design minimizes collection points simplifying the wash down process
- Strain relief nut always seals on the body regardless of cable size, eliminating areas of debris collection



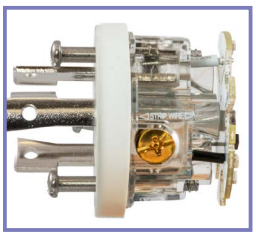
Assembly

- Keyed interior for easy installation
- All stainless steel hardware and corrosion resistant connection points



Cord Range

- Hubbell's patented Gotcha® ring and collapsible bushing yields the industry's best strain relief
- Cone seal adjusts to any cable range
- Unique cone seal prevents dirt and debris from collecting at the cable entrance



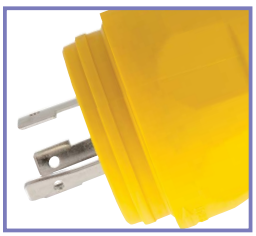
Terminals

- High conductivity brass termination



Protection

- Triple bypass seal keeps water away from electrical connections and works with previously installed devices
- Free-floating cap allows unwanted material to wash away during sanitation



Plug Blades

- Corrosion resistant connection points

Features and Benefits

UL Type 4, 4X

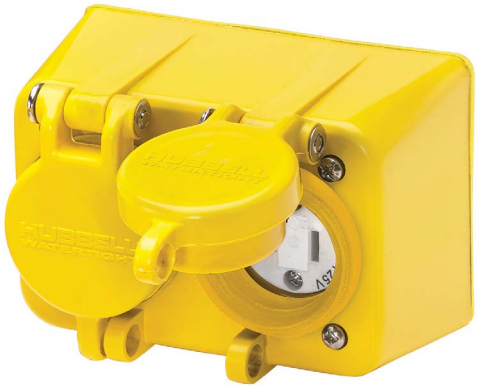
IP65,66,67,69k*
SUITABILITY

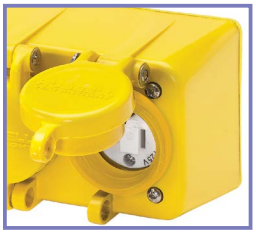
IP69k

Watertight Receptacles with Lift Covers

Hubbell Watertight receptacles with lift covers provide an impact resistant UL Type 4X seal combined with corrosion resistant metallic components. These universal covers can house any NEMA listed straight blade receptacles as well as any NEMA listed Twist-Lock® receptacles. The Watertight receptacles can either be mounted to FD/FS boxes (see page C-9) or panel mounted to a flat surface. Combined, this makes a diversified product with the high quality needed in industrial, wet and wash down applications.







Housing Design

- Impact resistant PBT material lid and cover plate
- Thermoplastic elastomer seal
- Lockable cover meets OSHA Lockout/Tagout regulations



Assembly

- Stainless steel mounting hardware
- Stainless steel hinge spring and pin



HBL14W47AWC



HBL15W47A



HBL60W47



HBL60W47D

15 Amp and 20 Amp Straight Blade Devices

	Rating	Plug/ Connector	Poles/ Wires	Color	Plug	Connector	Receptacle with Lift Cover	Duplex Recept. with Lift Cover
15 Amp	NEMA 5-15 15A 125V		2P/3W	Yellow Black Clear	**HBL14W47A** **HBL14W47BK** **HBL14W47AWC**	**HBL15W47A** **HBL15W47BK** **HBL15W47AWC**	**HBL60W47** **HBL60W47BK** —	**HBL60W47D** — —
	NEMA 6-15 15A 250V		2P/3W	Yellow	**HBL14W49**	**HBL15W49**	**HBL60W49**	**HBL60W49D**
20 Amp	NEMA 5-20 20A 125V		2P/3W	Yellow Clear	**HBL14W33A** **HBL14W33AWC**	**HBL15W33A** **HBL15W33AWC**	**HBL60W33** —	**HBL60W33D** —
	NEMA 6-20 20A 250V		2P/3W	Yellow	**HBL14W48**	**HBL15W48**	**HBL60W48**	**HBL60W48D**

15 Amp Twist-Lock® Devices

	Rating	Plug/ Connector	Poles/ Wires	Color	Plug	Connector	Receptacle with Lift Cover	Duplex Recept. with Lift Cover
15 Amp	NEMA L5-15 15A 125V		2P/3W	Yellow Black Clear	**HBL24W47A** **HBL24W47BK** **HBL24W47AWC**	**HBL25W47A** **HBL25W47BK** **HBL25W47AWC**	**HBL65W47** — —	**HBL65W47D** — —
	NEMA L6-15 15A 250V		2P/3W	Yellow	**HBL24W49**	**HBL25W49**	**HBL65W49**	**HBL65W49D**
	NEMA L7-15 15A 277V AC		2P/3W	Yellow Black	**HBL24W34** **HBL24W34BK**	**HBL25W34** **HBL25W34BK**	**HBL65W34** —	**HBL65W34D** —

*Note: *Single and duplex receptacles while in use, not with cover closed.*

UL Type 4, 4X, 6P

IP65,66,67,69k*
SUITABILITY

IP69k

20 Amp and 30 Amp Twist-Lock® Devices

	Rating	Plug/Connector	Poles/ Wires	Color	Plug	Connector	Receptacle with Lift Cover
20 Amp	NEMA L5-20 20A 125V		2P/3W	Yellow Black Clear	**HBL26W47** **HBL26W47BK** **HBL26W47WC**	**HBL27W47** **HBL27W47BK** **HBL27W47WC**	**HBL67W47** — —
	NEMA L6-20 20A 250V		2P/3W	Yellow Black	**HBL26W48** **HBL26W48BK**	**HBL27W48** **HBL27W48BK**	**HBL67W48** **HBL67W48BK**
	NEMA L7-20 20A 277V AC		2P/3W	Yellow	**HBL26W49**	**HBL27W49**	**HBL67W49**
	NEMA L14-20 20A 125/250V AC		3P/4W	Yellow	**HBL26W74**	**HBL27W74**	**HBL67W74**
	NEMA L15-20 20A 3Ø 250V AC		3P/4W	Yellow Black	**HBL26W75** **HBL26W75BK**	**HBL27W75** **HBL27W75BK**	**HBL67W75** **HBL67W75BK**
	NEMA L16-20 20A 3Ø 480V AC		3P/4W	Yellow Black	**HBL26W76** **HBL26W76BK**	**HBL27W76** **HBL27W76BK**	**HBL67W76** **HBL67W76BK**
	NEMA L21-20 20A 3ØY 120/208V AC		4P/5W	Yellow Black	**HBL26W81** **HBL26W81BK**	**HBL27W81** **HBL27W81BK**	**HBL67W81** —
	NEMA L22-20 20A 3ØY 277/480V AC		4P/5W	Yellow	**HBL26W82**	**HBL27W82**	**HBL67W82**
	NEMA L23-20 20A 3ØY 347/600V		4P/5W	Yellow	**HBL26W83**	**HBL27W83**	**HBL67W83**
	20A 125/250V Non-NEMA		3P/3W	Yellow	**HBL26W08**	**HBL27W08**	**HBL67W08**
	20A 3ØY 120/208V AC Non-NEMA		4P/4W	Yellow	**HBL26W09**	**HBL27W09**	**HBL67W09**
30 Amp	NEMA L5-30 30A 125V		2P/3W	Yellow Black	**HBL28W47** **HBL28W47BK**	**HBL29W47** **HBL29W47BK**	**HBL69W47** —
	NEMA L6-30 30A 250V		2P/3W	Yellow Black	**HBL28W48** —	**HBL29W48** —	**HBL69W48** **HBL69W48BK**
	NEMA L7-30 30A 277V AC		2P/3W	Yellow	**HBL28W49**	**HBL29W49**	**HBL69W49**
	NEMA L14-30 30A 125/250V AC		3P/4W	Yellow	**HBL28W74**	**HBL29W74**	**HBL69W74**
	NEMA L15-30 30A 3Ø 250V AC		3P/4W	Yellow Black	**HBL28W75** **HBL28W75BK**	**HBL29W75** **HBL29W75BK**	**HBL69W75** **HBL69W75BK**
	NEMA L16-30 30A 3Ø 480V AC		3P/4W	Yellow Black	**HBL28W76** **HBL28W76BK**	**HBL29W76** **HBL29W76BK**	**HBL69W76** **HBL69W76BK**
	NEMA L17-30 30A 3Ø 600V AC		3P/4W	Yellow	**HBL28W77**	**HBL29W77**	**HBL69W77**
	NEMA L18-30 30A 3ØY 120/208V AC		4P/4W	Yellow	**HBL28W78**	**HBL29W78**	—
	NEMA L21-30 30A 3ØY 120/208V AC		4P/5W	Yellow Black	**HBL28W81** **HBL28W81BK**	**HBL29W81** **HBL29W81BK**	**HBL69W81** —
	NEMA L22-30 30A 3ØY 277/480V AC		4P/5W	Yellow	**HBL28W82**	**HBL29W82**	**HBL69W82**
	NEMA L23-30 30A 3ØY 347/600V AC		4P/5W	Yellow	**HBL28W83**	**HBL29W83**	**HBL69W83**
	30A 125/250V Non-NEMA		3P/3W	Yellow	**HBL28W08**	**HBL29W08**	**HBL69W08**
	30A 3ØY 120/208V AC Non-NEMA		4P/4W	Yellow	**HBL28W09**	**HBL29W09**	—



HBL24W47A



HBL25W47A



HBL26W47WC



HBL27W47WC



HBL26W47



HBL27W47BK



HBL27W47



HBL67W48

*Note: *Single and duplex receptacles while in use, not with cover closed.*

Accessories

UL Type 4X

IP65, 66, 67
SUITABILITY













HBL6500

UL Type 4X Watertight Lift Covers

	Description	Color	Lift Cover
Lift Cover Assembly	For use with 15A or 20A straight blade receptacles and 15A Twist-Lock® receptacles; receptacle not included.	Yellow Black	**HBL6500** **HBL6500BK**
	For use with 20A Twist-Lock® receptacles; receptacle not included. *Note: When mating with **HBL26W09**, 20A Non-NEMA plug, use HBL6800 cover.*	Yellow Black	**HBL6700** **HBL6700BK**
	For use with 30A Twist-Lock® receptacles; receptacle not included.	Yellow Black	**HBL6800** **HBL6800BK**



HBL28W75IN



HBL29W75IN

Interiors

	Device	125V		3Ø 250V AC		3Ø 480V AC	
		Plug	Receptacle	Plug	Receptacle	Plug	Receptacle
15A	Straight Blade Locking	**HBL14W47IN** **HBL24W47IN**	**HBL15W47IN** —	— —	— —	— —	— —
20A	Locking	—	**HBL27W47IN**	**HBL26W75IN**	—	**HBL26W76IN**	**HBL27W76IN**
30A	Locking	—	—	**HBL28W75IN**	**HBL29W75IN**	**HBL28W76IN**	**HBL29W76IN**



HBLWTB1



HBL50W50

Bushings, Cone Seals and Closure Caps

	Device	Bushings	Cone Seals	Closure Caps	
				Yellow	Black
15A	Straight Blade Locking	**HBLWTB1** **HBLWTB1**	**HBLWTCS1** **HBLWTCS1**	**HBL50W50** **HBL50W50**	**HBL50W50BK** **HBL50W50BK**
20A	Straight Blade Locking	**HBLWTB1** **HBLWTB2**	**HBLWTCS1** **HBLWTCS2**	**HBL50W50** **HBL50W52**	**HBL50W50BK** **HBL50W52BK**
30A	Locking	**HBLWTB3**	**HBLWTCS3**	**HBL50W54**	**HBL50W54BK**

Features and Benefits

UL Type 4X

IP65,66,69k*
SUITABILITY

IP69k

FD Boxes and Angled Adapters

Hubbell FD boxes and angled adapters are made of high impact resistant material. They are the only NEC® compliant box system that has enough wiring room for a 50A Twist-Lock® device. The stainless steel mounting and grounding bracket provides corrosion resistance, necessary in direct wash down applications. The FD Boxes are UL Type 4X rated when used with Watertight Lift Covers, i.e. HBL6500 or HBL6700 as well as with a blank plate such as HBL60CM88. The box and angled adapter can either be purchased separately or as a kit. The FD box and Adapter can be used with any single or duplex receptacle up to a 50A Twist-Lock®.





Housing Design

- 30 cu. in. FD box made of high impact thermoplastic material
- ¾" NPT and 1" NPT threaded hub options
- Stainless steel mounting/grounding bracket
- External mounting feet, accepts #10 screw



Adapter

- 55° angle adapter (15 cu. in.)
- External mounting feet, accepts #8 screw
- Accepts duplex and single receptacles up to a 50A Twist-Lock®

FD Boxes and Angled Adapters

	Description	Catalog Number
Boxes	(2) ¾" NPT Hubs, FD Box, Yellow	**HBL60CM83A**
	(2) ¾" NPT Hubs, FD Box, White	**HBL60CM83WA**
	(2) ¾" NPT Hubs, FD Box, Gray	**HBL6083**
	(2) 1" NPT Hubs, FD Box, Yellow	**HBL60CM84A**
	(2) 1" NPT Hubs, FD Box, White	**HBL60CM84WA**
	(2) 1" NPT Hubs, FD Box, Gray	**HBL6084**
Adapters	55° Angle Adapter, Yellow	**HBL60CM55**
	55° Angle Adapter, White	**HBL60CM55W**
	55° Angle Adapter, Gray	**HBL6055**
Kits	(2) ¾" NPT Hubs, Box/Adapter Kit, Yellow	**HBL60CM83AK**
	(2) ¾" NPT Hubs, Box/Adapter Kit, White	**HBL60CM83WAK**
	(2) ¾" NPT Hubs, Box/Adapter Kit, Gray	**HBL6083AK**
	(2) 1" NPT Hubs, Box/Adapter Kit, Yellow	**HBL60CM84AK**
	(2) 1" NPT Hubs, Box/Adapter Kit, White	**HBL60CM84WAK**
	(2) 1" NPT Hubs, Box/Adapter Kit, Gray	**HBL6084AK**
Covers	Blank Cover Plate, Yellow	**HBL60CM88**
	Blank Cover Plate, White	**HBL60CM88W**
	Blank Cover Plate, Gray	**HBLP14FS**



HBL60CM83A



HBL60CM55

HBL60CM88W



HBL60CM88



HBLP14FS

*Note: *Plug, receptacle and FD box required for IP69K rating.*
Angled adapters are not UL/CSA listed or UL Type 4X.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Features and Benefits

UL Type 4X

GFCI Protected FD Box

The GFCI protected FD box provides a UL Type 4X GFCI enclosure made for wet and damp locations for 30A 120V and 240V Watertight receptacles. The GFCI response time does not exceed .025 seconds ensuring a safe circuit shut down if the current were to deviate from its path. Auto resetting GFCI box, when connected to an FD box by utilizing a PolyTuff® liquid tight conduit provides advanced safety features for Watertight devices.







GFCI Housing Design

- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- 30A, 120V and 240V with auto reset
- GFCI response time is .025 sec. Max.
- Grounded neutral protection trips if ground and neutral touch at load side



FD Box

- Utilizes PolyTuff® liquidtight conduit and fittings
- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- For use with single and duplex watertight receptacles (single phase only)

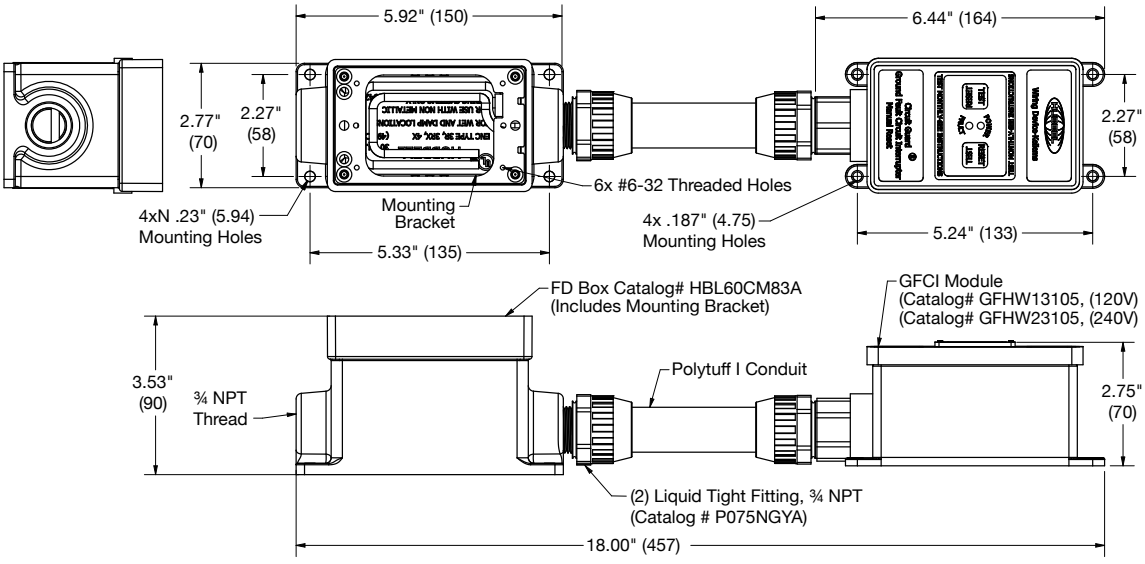
Note: Watertight receptacles purchased separately.



HBLWTGF120
HBLWTGF240

GFCI Protected FD Box

	Description	Catalog Number
FD Box	Watertight FD Box, GFCI Module, 30A 120V, Yellow	**HBLWTGF120**
	Watertight FD Box, GFCI Module, 30A 240V, Yellow	**HBLWTGF240**



Dimensions in Inches (mm)

Features and Benefits

Box Suitable for Wet and Damp Locations

IP44
SUITABILITY

Portable Outlet Boxes and Covers for Boxes and Panels

The thermoplastic elastomer material of the Portable Outlet Box provides a strong housing with enough capacity for multiple devices to fit, with cord feed through options available. The impact resistant PBT covers add to the durability of the box and the devices inside. There are several cord connectors available ranging from standard to deluxe, providing unmatched strain relief. The covers provide a UL Type 3R weather resistant seal suitable for wet and damp locations. Portable Outlet Boxes are available as pre-assembled or can be configured as needed.







Housing Design

- Fully thermoplastic elastomer housing exceeds UL crush requirements
- Wiring room large enough to accommodate the broadest range of device requirements in one size box
- Extended wall protects lift covers from impact damage
- Brass inserts for maximum strength



Covers

- Impact resistant PBT material
- UL Type 3R seal on a panel or on a portable outlet box
- Stainless steel hinge and spring

Pre-Assembled Portable Outlet Boxes (with Cord Connector Installed)

	Description	Cord Range Inches (mm)	Catalog Number
Boxes	Portable Outlet Box, Deep, Yellow	.38"-.50" (9.7-12.7)	**HBL3099**
	Portable Outlet Box, Deep, Feed Thru, Yellow	.38"-.50" (9.7-12.7)	**HBL3090F**
	Portable Outlet Box, Deep, Yellow with (2) duplex plates	.38"-.50" (9.7-12.7)	**HBL3000**



HBL3099



HBL3090F



HBL3000



Configurable Portable Outlet Boxes

	Empty Box Options	Catalog Number	Cord Range Inches (mm)	Cord Connector Options		Deluxe Cord Connectors
				Gray Nylon	Black Nylon	
Boxes	Outlet Box, Yellow Outlet Box, Black Feed Thru Box, Yellow Feed Thru Box, Black	**HBL3080** **HBL3080BK** **HBL3080F** **HBL3080FBK**	.38"-.50" (9.7-12.7)	**SHC1039CR**	—	—
			.50"-.63" (12.7-15.9)	**SHC1040CR**	**SHC2040CR**	**CG810NM**
			.63"-.75" (15.9-19.0)	**SHC1041CR**	**SHC2041CR**	**074011341**
			.75"-.88" (19.0-22.2)	**SHC1042CR**	**SHC2042CR**	**074011342**
			.88"-1.00" (22.2-25.4)	**SHC1043CR**	**SHC2043CR**	**074011343**
	Note: Includes Locknut.		.59"-1.00" (15.0-25.4)	**SEC100GA**	**SEC100BA**	—



HBL3080BK



HBL3080F

Covers for Portable Outlet Boxes and Panels

	Description	UL Type 3R	UL Type 1
Box Covers	Outlet box cover, duplex receptacle	**HBL3056**	**HBL3051**
	Outlet box cover, 1.39" diameter receptacle	**HBL3057**	**HBL3052**
	Outlet box cover, 1.572" diameter receptacle	**HBL3058**	**HBL3055**
	Outlet box cover; GFCI	**HBL3061**	**HBL3060**
	Outlet box coverplate, blank	**HBL3054**	—

UL Type 3R



HBL3056 **HBL3057**

UL Type 1



HBL3051 **HBL3052**



HBLPOB1



White POB



Cover Plates



Deluxe Cord Grips (purchased separately)



Gray Nylon Cord Connector

Heavy Duty Portable Outlet Boxes and Cover Plates

Description	Catalog Number
Box with cord strain relief, with one blank cover plate.	**HBLPOB1**
White box with cord strain relief, one blank white cover plate.	**HBLPOB1L**
Box with cord strain relief, with one blank cover plate, black.	**HBLPOB1BK**
Box with cord strain relief, with two duplex (indoor) cover plates.	**HBLPOB1D**
White box with cord strain relief, with two white duplex (indoor) cover plates.	**HBLPOB1DL**
Box with cord strain relief, with two duplex (indoor), yellow cover plates.	**HBLPOB1DY**
Blank, non-metallic FS cover plate with foam gasket, gray.	**HBLP14FS**
Blank, non-metallic FS cover plate with foam gasket, white.	**HBLP14FSL**
Duplex, non-metallic FS cover plate, gray.	**HBLP8FS**
Duplex, non-metal FS cover plate, white.	**HBLP8FSL**
Duplex, non-metallic FS cover plate, yellow.	**HBLP8FSY**
Single receptacle (1.39"), non-metallic FS cover plate, gray.	**HBLP7FS**
Single receptacle (1.56"), non-metallic FS cover plate, gray.	**HBLP720FS**
Rectangular opening, non-metallic FS cover plate, gray.	**HBLP26FS**
Rectangular opening, non-metallic FS cover plate, White.	**HBLP26FSL**

Other Cover Plates and Devices

which may be used with Heavy Duty Portable Outlet Boxes

Description	Catalog Number
Duplex cover plate, weatherproof.	**HBL5221, HBL52CM21**
Single receptacle (1.39") cover plate, weatherproof.	**HBL7423WO, HBL74CM23WO**
Single receptacle (1.56") cover plate, weatherproof.	**HBL7425WOA, HBL74CM25WOA**
Safety-Shroud Twist-Lock® surface receptacles.	**HBL2310SR, HBL2320SR, HBL2330SR, HBL2610SR, HBL2620SR**

Note: Standard product gray, CM yellow.

Deluxe Cord Grips Straight Male Thread

Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

Grip Diameter Range Inches (cm.)	Thread Size NPT (inches)	Form Size	Catalog Number
.375"-.500" (.97-1.27)	¾"	F3	**074011335**
.500"-.625" (1.27-1.59)	¾"	F3	**074011336**
.625"-.750" (1.59-1.90)	¾"	F3	**074011337**

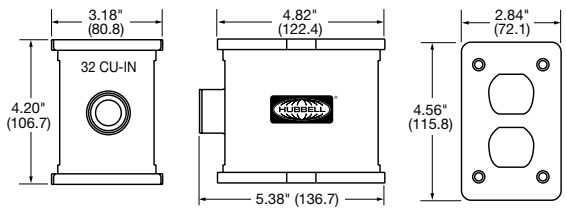
Nylon Cord Connector Straight Male Thread

Grip Diameter Range Inches (cm.)	Thread Size NPT (inches)	Form Size	Catalog Number
.375"-.500" (.97-1.27)	¾"	F3	**SHC1035CR**
.500"-.625" (1.27-1.59)	¾"	F3	**SHC1036CR**
.625"-.750" (1.59-1.90)	¾"	F3	**SHC1037CR**

Specifications for Heavy Duty Portable Outlet Boxes and Cover Plates

UL Listed	UL 514C, UL467 and UL50 Enclosures Types 1, 3R.
CSA Certified	C22.2 No. 18 and C22.2 No. 94 Enclosures Types 1, 3R and C22.2 No. 0.4 (Impedance).
Box Specifications:	
Moisture Resistance	Wet and damp locations, Enclosure Type 3R when used with weatherproof cover plates. Dry, indoors locations, Enclosure Type 1 with all other cover plates.
Flammability	UL 94V-0, 94-5VA classification.
Operating Temperature	80°C maximum; -35°C minimum.
UV Resistance	All materials are UV stabilized.
Impact and Crush Resistance	in accordance with UL 514C, UL50, C22.2 No. 18 and C22.2 No. 94.
Material	Valox®.
Cord Connector Materials	Nylon nut; Nylon Gotcha® ring; Neoprene grommet.
Cord Diameter Range	.38" to .75" diameter.
Bonding Strap Material	Brass.
Threaded Inserts	Brass.
Grounding Screw Material	Brass.
Indoor Cover Plate Screws Material	Zinc Plated Steel.
Outdoor Cover Plate Screws Material	Stainless Steel.
Cover Plate Gasket Material	UL recognized closed-cell foam (aging and oil resistant).

Dimensions



HBLPOB1

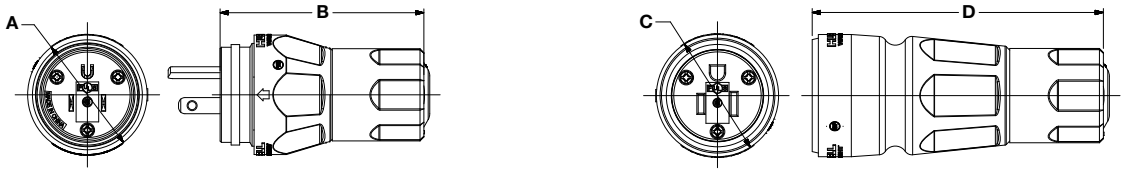
Dimensions in Inches (mm)

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Plugs and Connectors Inches (mm)

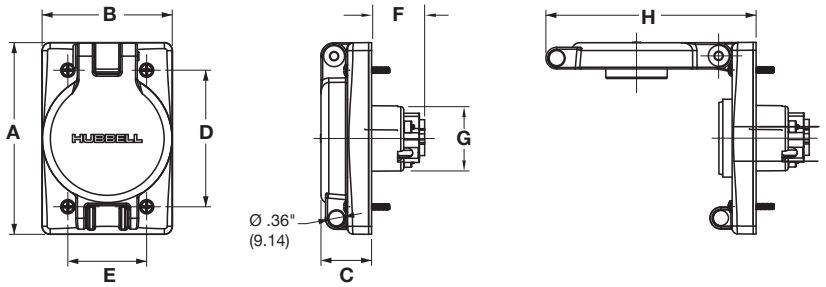
		15A & 20A Straight Blade	15A Non-NEMA Straight Blade	15A Twist-Lock®	20A Twist-Lock®	30A Twist-Lock®
Plugs	**A**	1.85" (47.07)	1.63" (41.40)	1.85" (47.07)	2.51" (63.70)	2.77" (70.41)
	B	3.16" (80.27)	2.68" (68.00)	3.21" (81.46)	3.96" (100.69)	3.94" (99.98)
Connectors	**C**	1.85" (47.07)	1.80" (46.00)	1.85" (47.07)	2.51" (63.70)	2.77" (70.41)
	D	4.42" (112.14)	4.00" (102.00)	4.62" (117.22)	5.69" (144.55)	5.67" (144.00)

Note: For HBL26W09 and HBL27W09 use 30A Twist-Lock® dimensions.



Receptacles with Lift Covers Inches (mm)

	15A & 20A Straight Blade	15A Twist-Lock®	20A Twist-Lock®	20A Non-NEMA	30A Twist-Lock®	30A Non-NEMA
A	4.56" (115.9)	4.56" (115.9)	4.56" (115.9)	4.56" (115.9)	4.56" (115.9)	4.56" (115.9)
B	3.10" (78.7)	3.10" (78.7)	3.10" (78.7)	3.10" (78.7)	3.10" (78.7)	3.10" (78.7)
C	1.20" (30.6)	1.20" (30.6)	1.20" (30.6)	1.20" (30.6)	1.20" (30.6)	1.20" (30.6)
D	3.25" (82.6)	3.25" (82.6)	3.25" (82.6)	3.25" (82.6)	3.25" (82.6)	3.25" (82.6)
E	1.88" (47.6)	1.88" (47.6)	1.88" (47.6)	1.88" (47.6)	1.88" (47.6)	1.88" (47.6)
F	1.26" (32.0)	1.46" (37.1)	1.72" (43.7)	2.26" (57.4)	1.72" (43.7)	1.97" (50.0)
G	1.63" (41.4)	1.63" (41.4)	2.25" (57.2)	2.25" (57.2)	2.25" (57.2)	2.25" (57.2)
H	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)



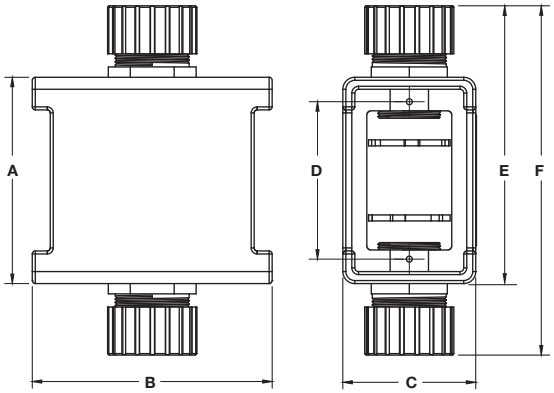
Portable Outlet Boxes Inches (mm)

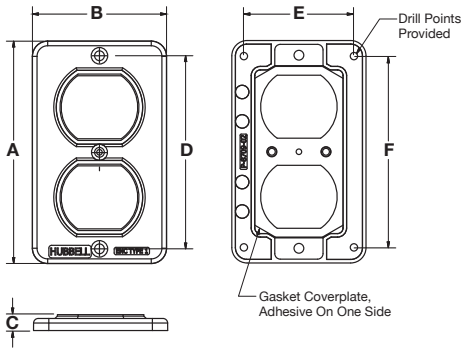
	Pre-Assembled	Configurable
A	4.30" (109.2)	4.30" (109.2)
B	5.00" (127.0)	5.00" (127.0)
C	2.77" (70.4)	2.77" (70.4)
D	3.28" (83.3)	3.28" (83.3)
E	5.79" (147.0)	—
F	7.28" (184.9)	—

Box Covers Inches (mm)

	Covers
A	3.78" (96.0)
B	2.28" (57.9)
C	0.27" (6.9)
D	3.28" (83.3)
E	1.87" (47.5)
F	3.25" (82.6)

Note: Style shown is representative of all openings.





Dimensions in Inches (mm)

Materials

Plug/Connector

Part	Materials
Blade/Contact Carrier	Nylon, white
Terminal Retainer	Polycarbonate, clear
Housing	Thermoplastic elastomer
Housing Insert	Nylon, white
Strain Relief Nut	PBT thermoplastic, gray
Blades/Contacts	Brass, nickel plated
Terminal Screws	Brass
Terminal Screw Size	#8-32 15A/20A Straight Blade and 15A Twist-Lock®; #10-32 20A and 30A Twist-Lock
Assembly Screws	Stainless Steel
Bushings	Thermoplastic elastomer, black
Gotcha Ring	Nylon
Cone Seal	Thermoplastic elastomer, black
Closure Cap	Thermoplastic elastomer

Receptacle Assembly

Part	Materials
Base, Flip Lid and Backplate	PBT
Seal Collar	Thermoplastic elastomer
Mounting Screws	Stainless Steel
Spring and Hinge Pin	Stainless Steel

Portable Outlet Box and Accessories

Part	Materials
Box Enclosure	Thermoplastic elastomer
Strain Relief Nut	PBT
Grommet	Thermoplastic elastomer
Gotcha Ring	Nylon
Locknut	Steel, zinc plate
Threaded Inserts	Brass
Receptacle Screw	Stainless steel
Cover Plate	PBT
Cover Plate Seal	Neoprene
Cover Plate Spring	Stainless steel
Hinge Pin	Stainless steel
Hinge Bracket	Zinc plated steel
Rivets	Zinc plated steel

Specifications

Listings (Plug/Connector and Flip Lid Assembly)
Listed to UL498
Certified to CSA C22.2 No. 42
Meets NEMA WD-1, WD-6, and ANSI standards
IP66 Suitability
NSF Certified (Plugs, Connectors and Receptacles)

FD Box/Adapter

Part	Materials
Box Enclosure	PBT
Ground Bracket	316 Stainless Steel
Ground Screw	Brass
Angle Adapter	PBT

Environmental

Box	UL Type 4X (with UL Type 4X receptacle assembly) UL Type 3R (with weatherproof cover plate)

Performance

Electrical

Dielectric Voltage	
Connectors:	2000V AC if rated 300V or less; 3000V AC if rated above 300V
Plugs:	2500V AC if rated 300V or less; 3500V AC if rated above 300V
Max Working Voltage	As marked
Current Interrupting	Rated for current interruption per UL498
Temperature Rise	30°C max per UL498 at rated current

Mechanical

Cord and terminal accommodations:	
Plugs and Connectors	
15 and 20A Straight Blade and 15A Locking	16/3 SJ to 10/3 SJ, 18/3 S to 12/3 S, (Ø.325" to Ø625") (Ø8.3mm to Ø15.9 mm)
20A Locking Except HBL26W09 & HBL27W09	Min. Cord: 16/3 SJ, 18/3 S, 18/4 SJ, 18/4 S, 18/5 S, (Ø.325") (Ø8.3 mm) Max. Cord: 10/3 S, 10/4 S, 10/5 S (.875") (22.2 mm)
30A Locking Including HBL26W09 & HBL27W09	Min Cords: 12/3 SJ, 16/3 S, 14/4 SJ, 18/4 S, 18/5 S, (Ø.375") (Ø9.5 mm) Max Cord: 8/3 S, 8/4 S, 10/5 S (1.125") (28.6 mm)
Receptacles – use solid or stranded building wire or flexible cord only as outlined below:	
All Straight Blade	18 AWG to 10 AWG
15A Locking	18 AWG to 10 AWG
20A and 30A Locking	18 AWG to 8 AWG
Portable Outlet Boxes	
Cord Range	.38" to .68" (HBL3099, HBL3090F, HBL3000) and .38" to 1.00" with user-specified cord connector
Wiring Volume	19.0 in^3

Environmental

Moisture Resistance	UL Listed to 3R, 3RX, 4, 4X, 6, 6P, 12 (Plugs and connectors); 3R, 3RX, 4, 4X (Receptacles); Wet and Damp Locations (Portable outlet boxes); Covers (POB) UL Type 3R and Wet Locations cover closed
Flammability	UL94V0 (boxes, covers, and plates); UL94V2 (Plugs, connectors, and interiors); UL94HB (Caps, bushings, and cone seals)
Operating Temperatures	-40°C (without impact) to +60°C continuous
UV Resistance	All exposed materials are UV stabilized

SECTION D

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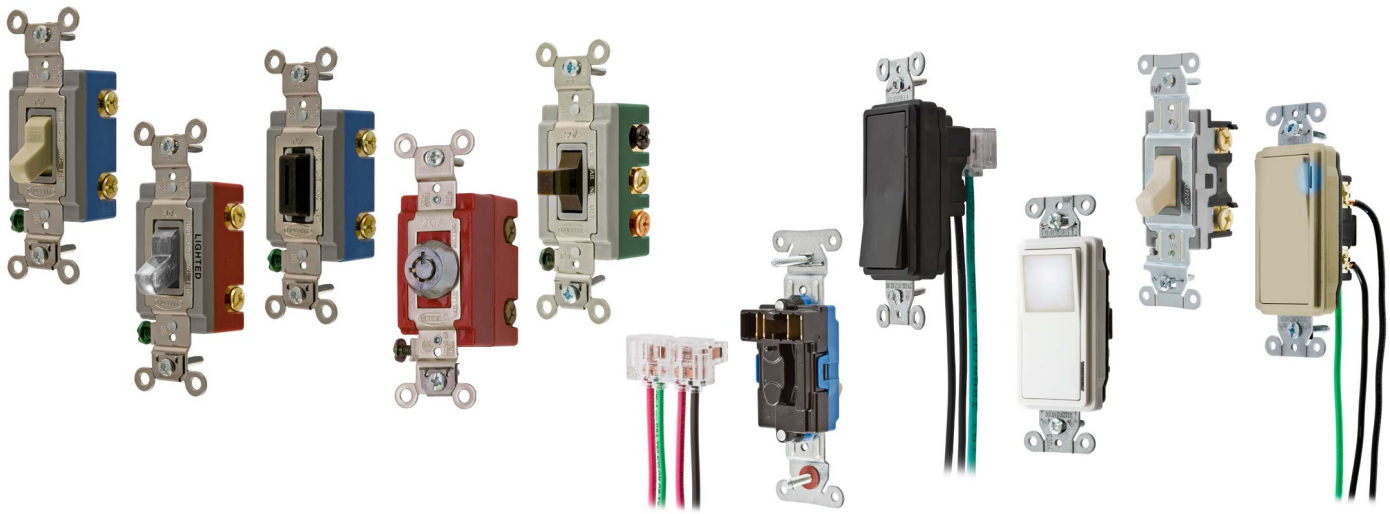
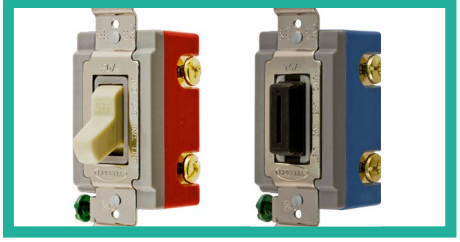


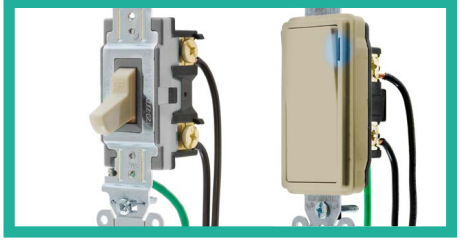
HBL® Extra Heavy Duty Industrial Grade Switches



SNAPConnect® Toggle and Decorator Switches



Pre-Wired/Leaded Commercial Switches



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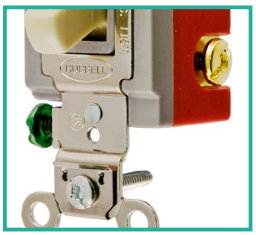
Features and Benefits



HBL® Extra Heavy Duty Industrial Grade

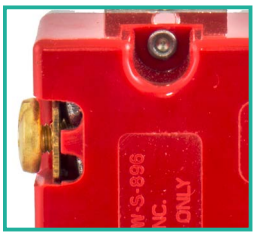
The HBL® Switch provides the safest and most reliable design for heavy-duty Industrial environments.

- 15, 20 and 30 Amp 120/277V AC
- Single Pole, Double Pole, 3-Way and 4-Way
- Illuminated and Pilot with LED
- Locking Both Standard and Rotary
- 3 Position Momentary and Maintained
- Abuse Resistant Nylon Toggle



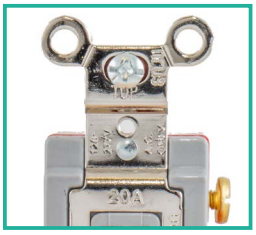
Housing Design

- One-piece design engineered thermoset base for superior heat dissipation
- One-piece design high impact-resistant thermoplastic front for heavy-duty industrial environments
- Stainless steel automatic grounding clip assures grounding continuity between mounting strap and metal wall box



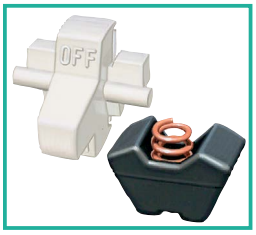
Wiring Design

- Back wire entrance points for terminations accept two wires for feed through capability avoiding pigtailing
- Large brass binding head screws with deep slots secure wire connections
- Strip gauge for accurate wiring



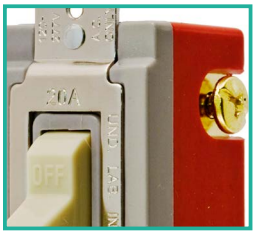
Bridge Design

- One-piece bridge with integral grounding terminal with #8 brass screw allows compliance to NEC®
- Steel nickel plated mounting strap provides a superior corrosion resistant finish
- Thread cleaning captive mounting screw



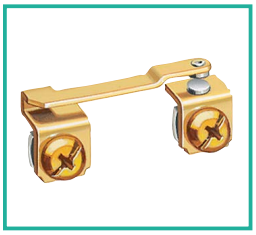
Toggle

- Heavy duty nylon toggle resists abuse and chemical attack making it suitable for use in the toughest environments
- Elastomer rocker assures quiet operation and precise timing
- Permanently lubricated assembly provides long life and trouble free operation



Identification

- Color coded base identifies amperage when terminating connections, 15A (Blue), 20A (Red) and 30A (Green)
- Prominent amperage marking allows easy identification of rating



Contacts

- One-piece rivetless copper alloy spring contact arm and terminal plate assures proper contact alignment reducing heat rise
- Large silver alloy contacts reduce contact erosion and prevent welding, providing long life

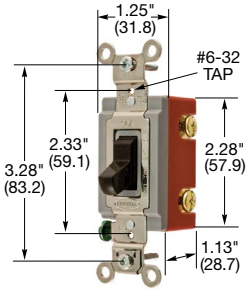
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

HBL® Extra Heavy Duty Industrial Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	**HBL1201BK**	—	**HBL1203BK**	**HBL1204BK**
	Brown	**HBL1201**	**HBL1202**	**HBL1203**	**HBL1204**
	Gray	**HBL1201GY**	—	**HBL1203GY**	**HBL1204GY**
	Ivory	**HBL1201I**	**HBL1202I**	**HBL1203I**	**HBL1204I**
	Light Almond	**HBL1201LA**	—	—	—
	Red	**HBL1201R**	—	—	—
	White	**HBL1201W**	—	**HBL1203W**	**HBL1204W**

20A, 120/277V AC

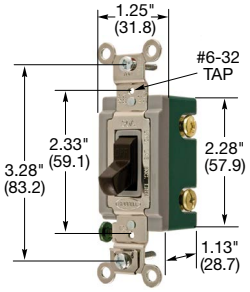
Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	**HBL1221BK**	**HBL1222BK**	**HBL1223BK**	**HBL1224BK**
	Brown	**HBL1221**	**HBL1222**	**HBL1223**	**HBL1224**
	Gray	**HBL1221GY**	**HBL1222GY**	**HBL1223GY**	**HBL1224GY**
	Ivory	**HBL1221I**	**HBL1222I**	**HBL1223I**	**HBL1224I**
	Light Almond	**HBL1221LA**	**HBL1222LA**	**HBL1223LA**	**HBL1224LA**
	Red	**HBL1221R**	**HBL1222R**	**HBL1223R**	**HBL1224R**
	White	**HBL1221W**	**HBL1222W**	**HBL1223W**	**HBL1224W**



HBL1221

30A, 120/277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle.	Brown	**HBL3031**	**HBL3032**	**HBL3033**	—
	Ivory	**HBL3031I**	**HBL3032I**	**HBL3033I**	—
	White	—	**HBL3032W**	—	—



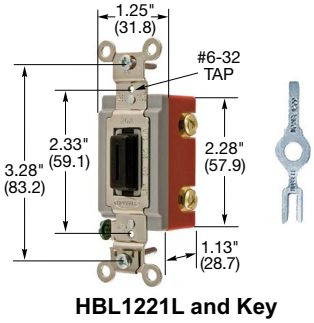
HBL3031

HBL® Extra Heavy Duty Industrial Locking Series, 15A, 120/277V AC

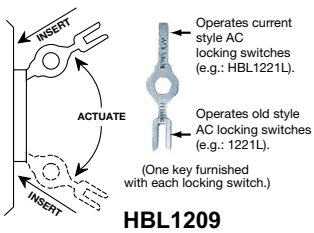
Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Key Guide, back and side wired.	Black	**HBL1201L**	**HBL1202L**	**HBL1203L**	**HBL1204L**
	Gray	**HBL1201LG**	**HBL1202LG**	**HBL1203LG**	**HBL1204LG**
	Ivory	**HBL1201LI**	**HBL1202LI**	**HBL1203LI**	**HBL1204LI**
	White	**HBL1201LW**	**HBL1202LW**	**HBL1203LW**	**HBL1204LW**
Key for Locking switch.		**HBL1209**			

20A, 120/277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Key Guide, back and side wired.	Black	**HBL1221L**	**HBL1222L**	**HBL1223L**	**HBL1224L**
	Gray	**HBL1221LG**	**HBL1222LG**	**HBL1223LG**	**HBL1224LG**
	Ivory	**HBL1221LI**	**HBL1222LI**	**HBL1223LI**	**HBL1224LI**
	White	**HBL1221LW**	**HBL1222LW**	**HBL1223LW**	**HBL1224LW**
Key for Locking switch.		**HBL1209**			



HBL1221L and Key

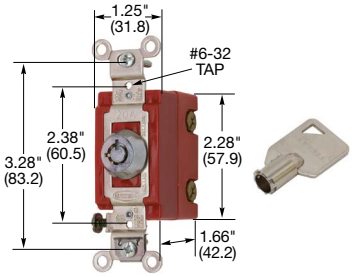


HBL1209

HBL® Extra Heavy Duty Industrial AC Barrel Key Locking Switch†, 20A, 120/277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Chrome operator, back and side wired.	Chrome	**HBL1221RKL***	**HBL1222RKL***	**HBL1223RKL***	**HBL1224RKL***
Replacement Barrel Key.		**HBL1209RKL**			

Note: Keys are supplied with each locking switch. For extra keys order HBL1209.
**Not Fed. Spec.*
† See Wallplate section, page O-17 for locking switch wallplates.
See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

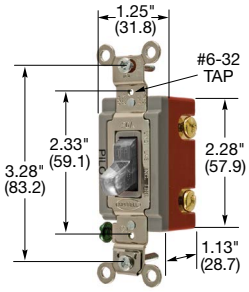


HBL1222RKL and Key

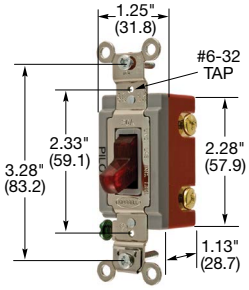
HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

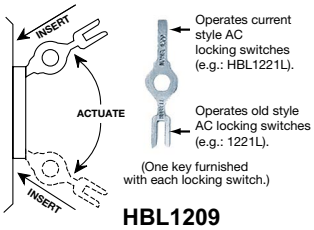
Dimensions in Inches (mm)



HBL1221ILC



HBL1221PL



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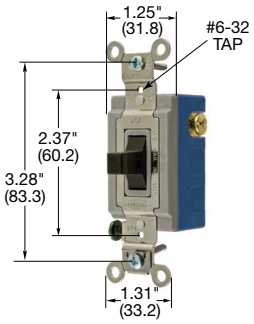

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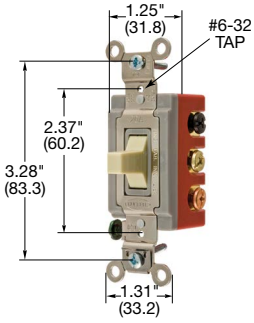


HBL1386I

Dimensions in Inches (mm)

HBL® Extra Heavy Duty Industrial Series, Illuminated Toggle Switches, Light ON with Load OFF

Description	Toggle Color	Rating	Single Pole	Double Pole	Three Way
Nylon toggle, back and side wired.	Ivory	15A 120/277V AC	**HBL1201IL**	—	**HBL1203IL**
	Ivory	20A 120/277V AC	**HBL1221IL**	—	**HBL1223IL**
	Clear		**HBL1221ILC**	—	**HBL1223ILC**
	Red		**HBL1221ILR**	—	—

HBL® Extra Heavy Duty Industrial Series, Pilot Light Switches, Light ON with Load ON

Description	Toggle Color	Rating	Single Pole	Double Pole	Three Way
Nylon toggle, back and side wired.	Red	15A 120/277V AC	**HBL1201PL**	—	**HBL1203PL**
	Red	20A 120/277V AC	**HBL1221PL**	**HBL1222PL**	**HBL1223PL**
	Clear		**HBL1221PLC**	—	**HBL1223PLC**
	Green		**HBL1221PLG**	—	—
	Red	30A 120/277V AC	**HBL3031PL**	**HBL3032PL**	—

HBL® Extra Heavy Duty Industrial Series, Momentary Contact, Specification Grade, Three Position, Two Circuit, Center OFF

Description	Toggle Color	15A, 120/277V AC	20A, 120/277V AC
Nylon toggle, back and side wired.	Brown	**HBL1556**	**HBL1557**
	Gray	**HBL1556GY**	**HBL1557GY**
	Ivory	**HBL1556I**	**HBL1557I**
	Light Almond	**HBL1556LA**	**HBL1557LA**
	Red	**HBL1556R**	—
	White	**HBL1556W**	**HBL1557W**
Key guide, back and side wired.	Black	**HBL1556L**	**HBL1557L**
	Gray	**HBL1556LG**	**HBL1557LG**
	Ivory	**HBL1556LI**	**HBL1557LI**
	White	**HBL1556LW**	**HBL1557LW**
Key for Locking switch.		**HBL1209**	

HBL® Extra Heavy Duty Industrial Series, Maintained Contact, Specification Grade, Three Position, Two Circuit, Center OFF, Single Pole, Double Throw

Description	Toggle Color	15A 120/277V AC	20A 120/277V AC	30A 120/277V AC
Nylon toggle, back and side wired.	Brown	**HBL1381**	**HBL1385**	—
	Ivory	**HBL1381I**	**HBL1385I**	—
	White	—	**HBL1385W**	—

Three Position, Two Circuit, Center OFF, Double Pole, Double Throw

Description	Toggle Color	15A 120/277V AC	20A 120/277V AC	30A 120/277V AC
Nylon toggle, back and side wired.	Brown	**HBL1382**	**HBL1386**	**HBL1388**
	Ivory	**HBL1382I**	**HBL1386I**	**HBL1388I**
Locking.		—	**HBL1386L**	—
Key for Locking switch.		—	**HBL1209**	—

Note: Keys are supplied with each locking switch. For extra keys order HBL1209.
See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

HP Conversion Chart

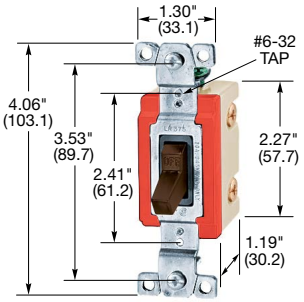
	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

HBL® Extra Heavy Duty Industrial Series, 15A, 347V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Brown	**HBL18201CN**	—	**HBL18203CN**	—
	Ivory	**HBL18201ICN**	—	**HBL18203ICN**	**HBL18204ICN**
	White	**HBL18201WCN**	—	**HBL18203WCN**	—
Locking.		**HBL18201LCN**	—	**HBL18203LCN**	—
Key for Locking switch.		**HBL1209***			

20A, 347V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Brown	**HBL18221CN**	—	**HBL18223CN**	—
	Ivory	**HBL18221ICN**	—	**HBL18223ICN**	—
	White	**HBL18221WCN**		**HBL18223WCN**	



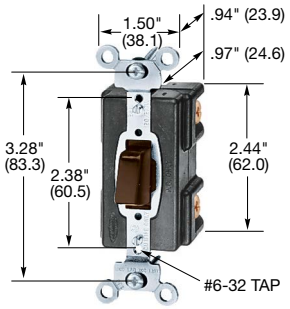
HBL18221CN

PresSwitch® Specification Grade Push Button, Standard Type 20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon actuator, side wired only.	Brown	**HBL1281**	**HBL1282**	**HBL1283***	**HBL1284***
	Ivory	**HBL1281I**	**HBL1282I**	**HBL1283I***	**HBL1284I***

Momentary Type** 20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Circuit normally closed, side wired only.	Brown	**HBL1281MC***	—	—	—
Circuit normally open, side wired only.	Brown	**HBL1281MO***	—	—	—



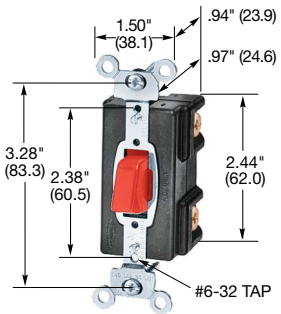
HBL1281

Illuminated and Pilot Light PresSwitch®, 120V AC Lighted Actuator, Light ON with Load OFF**

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
15A, nylon actuator.	Ivory	—	—	—	**HBL1259I***
20A, nylon actuator.	Ivory	**HBL1287I**	—	**HBL1288I***	—

Pilot Light Actuator, Light ON with Load ON, 20A, 120V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon actuator.	Red	**HBL1297**	—	**HBL1298***	—



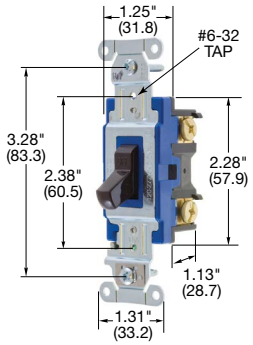
HBL1297

Note: Keys are supplied with each locking switch. For extra keys order HBL1209.
**Not UL Listed, CSA Certified.*
***Not HP rated.*
See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

Dimensions in Inches (mm)



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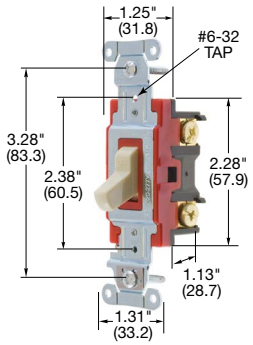

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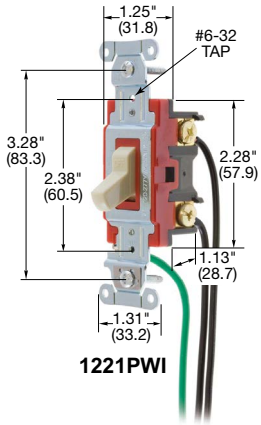

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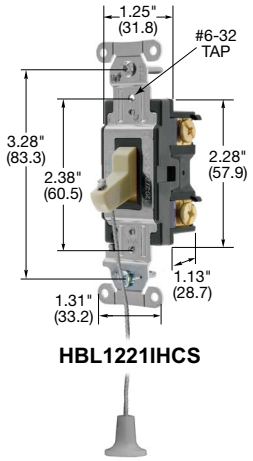


HBL1221IHCS

Hubbell-PRO Heavy Duty Industrial Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	**1201BK**	—	**1203BK**	—
	Brown	**1201B**	—	**1203B**	—
	Gray	**1201GY**	—	**1203GY**	—
	Ivory	**1201I**	—	**1203I**	—
	Light Almond	**1201LA**	—	**1203LA**	—
	White	**1201W**	—	**1203W**	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	**1221BK**	**1222BK**	**1223BK**	**1224BK**
	Brown	**1221B**	**1222B**	**1223B**	**1224B**
	Gray	**1221GY**	**1222GY**	**1223GY**	**1224GY**
	Ivory	**1221I**	**1222I**	**1223I**	**1224I**
	Light Almond	**1221LA**	**1222LA**	**1223LA**	**1224LA**
	Red	**1221R**	**1222R**	**1223R**	**1224R**
	White	**1221W**	**1222W**	**1223W**	**1224W**

Hubbell-PRO Pre-Wired/Leaded Heavy Duty Industrial Series, 20A, 120/277V AC - 8 Inch #12 AWG THHN

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, Pre-wired leads.	Black	**1221PWBK**	**1222PWBK**	**1223PWBK**	**1224PWBK**
	Brown	**1221PWB**	**1222PWB**	**1223PWB**	**1224PWB**
	Gray	**1221PWGY**	**1222PWGY**	**1223PWGY**	**1224PWGY**
	Ivory	**1221PWI**	**1222PWI**	**1223PWI**	**1224PWI**
	Light Almond	**1221PWLA**	**1222PWLA**	**1223PWLA**	**1224PWLA**
	Red	**1221PWR**	**1222PWR**	**1223PWR**	**1224PWR**
	White	**1221PWW**	**1222PWW**	**1223PWW**	**1224PWW**

Hubbell-PRO Hospital Call Switch with Lanyard, 20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Gray	**HBL1221GHCS**	—	—	—
	Ivory	**HBL1221IHCS**	—	—	—
	White	**HBL1221WHCS**	—	—	—

Note: See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

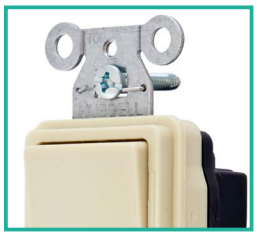
Features and Benefits

SNAPConnect® Heavy Duty Toggle and Decorator Series

SNAPConnect® Devices offer superior installation efficiency for new construction and renovations, while delivering safe, reliable connections. Instead of conventional wiring methods, SNAPConnect's modular connector is installed during rough-in in lieu of pigtails. Once the walls are up, the protective covering is removed and the terminal is simply snapped into the SNAPConnect device for a consistent connection every time. Once installed, SNAPConnect's modular design enables simple device change-out by maintenance personnel.

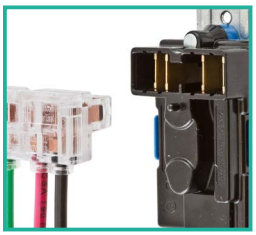
- SNAPConnect® Eliminates Exposed Live Terminals on the Device
- Complete Trim-Out in Less Than One Minute
- Abuse Resistant Nylon Toggle for Heavy Use Applications
- Stainless Steel Autoground
- Large Silver Alloy Contacts Reduce Contact Erosion Providing Long Life
- Many of these Products are Assembled in USA, Please Contact Hubbell with any Certification Requirements





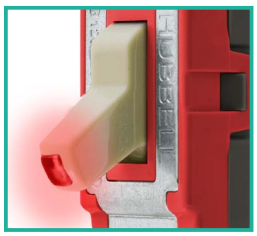
Housing Design

- Thermoplastic top and base material
- Steel, zinc plated bridge is corrosion resistant
- Thread cleaning captive mounting screw



Assembly

- SNAPConnect® eliminates exposed live terminals on the device
- Termination method uses a SNAP-In Connector. Wiring the connector into the wall box can be done prior to trim out; changing or replacing switches is also a "SNAP"



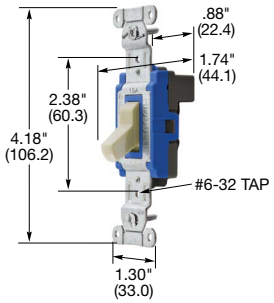
LED Technology

- Pilot and Illuminated versions use LEDs for longer life



Pigtailed Connectors

- Clear right angle terminal, 6 inch leads, solid or stranded wire
  - 3 wire connector for single pole and single pole illuminated
  - 4 wire connector for single pole pilot light switch
  - 4 wire connector for three way and three way illuminated



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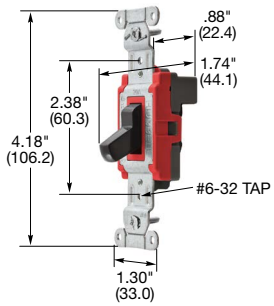

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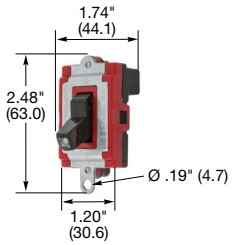


SNAPSWJUMP



SNAPSP1NA



SNAPSPP1NA



SNAP3W1NA

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

SNAP*Connect*® Specification Grade Toggle Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAP*Connect*® Toggle.	Black	**SNAP1201BKNA**	—	**SNAP1203BKNA**	—
	Brown	**SNAP1201BRNA**	—	**SNAP1203BRNA**	—
	Gray	**SNAP1201GYNA**	—	**SNAP1203GYNA**	—
	Ivory	**SNAP1201INA**	—	**SNAP1203INA**	—
	Lt. Almond	**SNAP1201LANA**	—	**SNAP1203LANA**	—
	Red	**SNAP1201RNA**	—	**SNAP1203RNA**	—
	White	**SNAP1201WNA**	—	**SNAP1203WNA**	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAP*Connect*® Toggle.	Black	**SNAP1221BKNA**	—	**SNAP1223BKNA**	—
	Brown	**SNAP1221BRNA**	—	**SNAP1223BRNA**	—
	Gray	**SNAP1221GYNA**	—	**SNAP1223GYNA**	—
	Ivory	**SNAP1221INA**	—	**SNAP1223INA**	—
	Lt. Almond	**SNAP1221LANA**	—	**SNAP1223LANA**	—
	Red	**SNAP1221RNA**	—	**SNAP1223RNA**	—
	White	**SNAP1221WNA**	—	**SNAP1223WNA**	—

Illuminated, Light ON with Load OFF, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light ON with Load OFF, Toggle, Blue LED.	Black	**SNAP1201ILBKNA**	—	**SNAP1203ILBKNA**	—
	Ivory	**SNAP1201ILINA**	—	**SNAP1203ILINA**	—
	Red	**SNAP1201ILRNA**	—	**SNAP1203ILRNA**	—
	White	**SNAP1201ILWNA**	—	**SNAP1203ILWNA**	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light ON with Load OFF, Toggle, Blue LED.	Black	**SNAP1221ILBKNA**	—	**SNAP1223ILBKNA**	—
	Ivory	**SNAP1221ILINA**	—	**SNAP1223ILINA**	—
	Red	**SNAP1221ILRNA**	—	**SNAP1223ILRNA**	—
	White	**SNAP1221ILWNA**	—	**SNAP1223ILWNA**	—

Pilot, Light ON with Load ON, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light ON with Load ON, Toggle, Red LED.	Black	**SNAP1201PLBKNA**	—	—	—
	Ivory	**SNAP1201PLINA**	—	—	—
	Red	**SNAP1201PLRNA**	—	—	—
	White	**SNAP1201PLWNA**	—	—	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light ON with Load ON, Toggle, Red LED.	Black	**SNAP1221PLBKNA**	—	—	—
	Ivory	**SNAP1221PLINA**	—	—	—
	Red	**SNAP1221PLRNA**	—	—	—
	White	**SNAP1221PLWNA**	—	—	—

Jumper/Tester

Description	Catalog Number
Jumper/Tester for Single Pole Circuits, Black Toggle, Blue LED Indicator.	**SNAPSWJUMP**
Jumper/Tester for Three Way Circuits, Black Toggle, Blue LED Indicator.	**SNAP3WJUMP**

SNAP*Connect*® Switch Pigtailed Connector

Description	3 Wire Connector for Single Pole and Single Pole Illuminated	4 Wire Connector for Single Pole with Pilot Light	4 Wire Connector for 3 Way and 3 Way Illuminated
Clear right angle terminal, 6 inch leads, solid wire.	**SNAPSP1NA**	**SNAPSPP1NA**	**SNAP3W1NA**
Clear right angle terminal, 6 inch leads, stranded wire.	**SNAPSP2NA**	**SNAPSPP2NA**	**SNAP3W2NA**

Note: See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

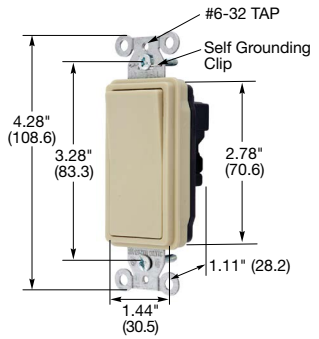
Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

SNAP*Connect*® Specification Grade Style Line® Decorator Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAP*Connect*® Rocker.	Black	**SNAP2101BKNA**	—	**SNAP2103BKNA**	—
	Brown	**SNAP2101BRNA**	—	**SNAP2103BRNA**	—
	Gray	**SNAP2101GYNA**	—	**SNAP2103GYNA**	—
	Ivory	**SNAP2101INA**	—	**SNAP2103INA**	—
	Lt. Almond	**SNAP2101LANA**	—	**SNAP2103LANA**	—
	Red	**SNAP2101RNA**	—	**SNAP2103RNA**	—
	White	**SNAP2101WNA**	—	**SNAP2103WNA**	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAP*Connect*® Rocker.	Black	**SNAP2121BKNA**	—	**SNAP2123BKNA**	—
	Brown	**SNAP2121BRNA**	—	**SNAP2123BRNA**	—
	Gray	**SNAP2121GYNA**	—	**SNAP2123GYNA**	—
	Ivory	**SNAP2121INA**	—	**SNAP2123INA**	—
	Lt. Almond	**SNAP2121LANA**	—	**SNAP2123LANA**	—
	Red	**SNAP2121RNA**	—	**SNAP2123RNA**	—
	White	**SNAP2121WNA**	—	**SNAP2123WNA**	—



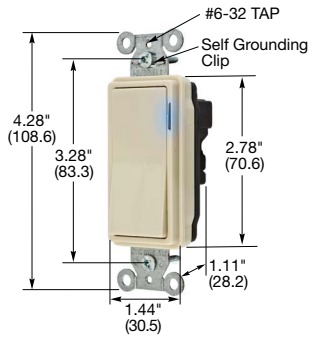
SNAP2101INA

Illuminated, Light ON with Load OFF, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light ON with Load OFF, Rocker, Blue LED.	Black	**SNAP2101ILBKNA**	—	**SNAP2103ILBKNA**	—
	Ivory	**SNAP2101ILINA**	—	**SNAP2103ILINA**	—
	Red	**SNAP2101ILRNA**	—	**SNAP2103ILRNA**	—
	White	**SNAP2101ILWNA**	—	**SNAP2103ILWNA**	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light ON with Load OFF, Rocker, Blue LED.	Black	**SNAP2121ILBKNA**	—	**SNAP2123ILBKNA**	—
	Ivory	**SNAP2121ILINA**	—	**SNAP2123ILINA**	—
	Red	**SNAP2121ILRNA**	—	**SNAP2123ILRNA**	—
	White	**SNAP2121ILWNA**	—	**SNAP2123ILWNA**	—



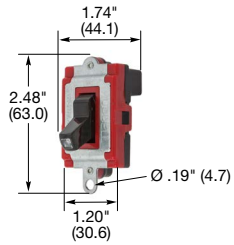
SNAP2121ILINA

Pilot, Light ON with Load ON, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light ON with Load ON, Rocker, Red LED.	Black	**SNAP2101PLBKNA**	—	—	—
	Ivory	**SNAP2101PLINA**	—	—	—
	Red	**SNAP2101PLRNA**	—	—	—
	White	**SNAP2101PLWNA**	—	—	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light ON with Load ON, Rocker, Red LED.	Black	**SNAP2121PLBKNA**	—	—	—
	Ivory	**SNAP2121PLINA**	—	—	—
	Red	**SNAP2121PLRNA**	—	—	—
	White	**SNAP2121PLWNA**	—	—	—



SNAPSWJUMP

Jumper/Tester

Description	Catalog Number
Jumper/Tester for Single Pole Circuits, Black Toggle, Blue LED Indicator.	**SNAPSWJUMP**
Jumper/Tester for Three Way Circuits, Black Toggle, Blue LED Indicator.	**SNAP3WJUMP**

SNAP*Connect*® Switch Pigtailed Connector

Description	3 Wire Connector for Single Pole and Single Pole Illuminated	4 Wire Connector for Single Pole with Pilot Light	4 Wire Connector for 3 Way and 3 Way Illuminated
Clear right angle terminal, 6 inch leads, solid wire.	**SNAPSP1NA**	**SNAPSPP1NA**	**SNAP3W1NA**
Clear right angle terminal, 6 inch leads, stranded wire.	**SNAPSP2NA**	**SNAPSPP2NA**	**SNAP3W2NA**



SNAPSP1NA



SNAPSPP1NA



SNAP3W1NA

Note: See page D-15 for accessories and page D-16 for wallplates. See page D-22 for technical information.

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

Switches

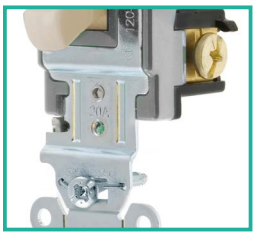
Features and Benefits

Specification Grade Commercial Series

Toggle, rocker and specialty switches - Hubbell designs and manufactures these switches in a wide variety of styles and colors.

- 15 and 20 Amp 120/277V AC
- Single Pole, Double Pole, 3-Way and 4-Way
- Illuminated and Pilot with LED
- Night Light
- Style Line® Decorator
- Low voltage DC offering





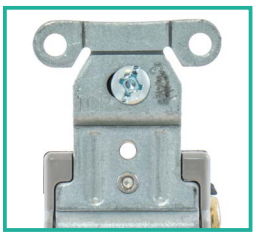
Housing Design

- Engineered thermoplastic housing is impact-resistant for heavy-duty commercial environments
- Stainless steel automatic grounding staple assures grounding continuity between mounting strap and metal wall box



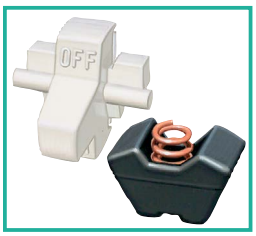
Wiring Design

- Back wire entrance points for terminations accept two wires for feed through capability avoiding pigtailing
- Large brass binding head screws with deep slots secure wire connections
- Strip gauge for accurate wiring



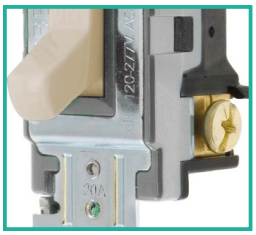
Bridge Design

- One-piece bridge with integral grounding terminal with #8 brass screw allows compliance to NEC®
- Steel zinc plated mounting strap provides protection against corrosion
- Thread cleaning captive mounting screw



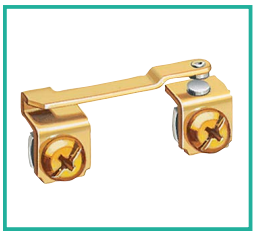
Toggle

- Heavy duty nylon toggle resists abuse and chemical attack making it suitable for use in the toughest environments
- Elastomer rocker assures quiet operation and precise timing
- Permanently lubricated assembly provides long life and trouble free operation



Identification

- Prominent amperage marking on mounting strap allows easy identification of rating



Contacts

- Copper alloy spring contact arm and terminal plate assures proper contact alignment reducing heat rise
- Silver alloy contacts reduce contact erosion and prevent welding, providing long life

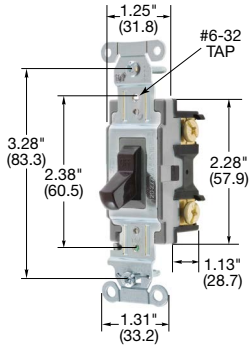
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Toggle Specification Grade Commercial Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	**CSB115BK**	**CSB215BK**	**CSB315BK**	**CSB415BK**
	Brown	**CSB115**	**CSB215**	**CSB315**	**CSB415**
	Gray	**CSB115GY**	**CSB215GY**	**CSB315GY**	**CSB415GY**
	Ivory	**CSB115I**	**CSB215I**	**CSB315I**	**CSB415I**
	Light Almond	**CSB115LA**	**CSB215LA**	**CSB315LA**	**CSB415LA**
	White	**CSB115W**	**CSB215W**	**CSB315W**	**CSB415W**

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	**CSB120BK**	**CSB220BK**	**CSB320BK**	**CSB420BK**
	Brown	**CSB120**	**CSB220**	**CSB320**	**CSB420**
	Gray	**CSB120GY**	**CSB220GY**	**CSB320GY**	**CSB420GY**
	Ivory	**CSB120I**	**CSB220I**	**CSB320I**	**CSB420I**
	Light Almond	**CSB120LA**	**CSB220LA**	**CSB320LA**	**CSB420LA**
	Red	**CSB120R**	**CSB220R**	**CSB320R**	**CSB420R**
	White	**CSB120W**	**CSB220W**	**CSB320W**	**CSB420W**



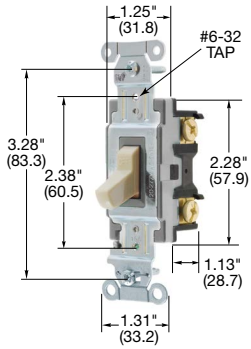
CSB120

Toggle Specification Grade Commercial Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, side wired only.	Black	**CS115BK**	—	**CS315BK**	—
	Brown	**CS115**	—	**CS315**	—
	Gray	**CS115GY**	—	**CS315GY**	—
	Ivory	**CS115I**	—	**CS315I**	—
	Light Almond	**CS115LA**	—	**CS315LA**	—
	White	**CS115W**	—	**CS315W**	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, side wired only.	Black	**CS120BK**	—	**CS320BK**	—
	Brown	**CS120**	—	**CS320**	—
	Gray	**CS120GY**	—	**CS320GY**	—
	Ivory	**CS120I**	—	**CS320I**	—
	Light Almond	**CS120LA**	—	**CS320LA**	—
	White	**CS120W**	—	**CS320W**	—

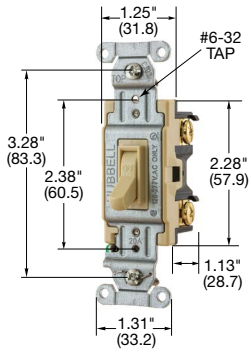


CS115I

Framed Toggle Specification Grade Commercial Series, 20A, 120V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Ivory	**CSB120IF**	—	**CSB320IF**	—
	Light Almond	**CSB120LAF**	—	**CSB320LAF**	—
	White	**CSB120WF**	—	**CSB320WF**	—

Note: See page D-13 for pre-wired/leaded devices.
See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

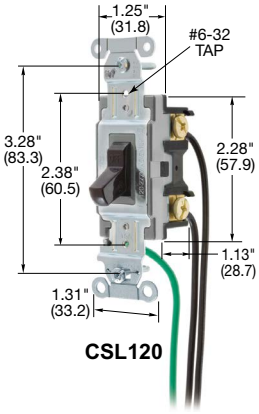


CSB120IF

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)



CSL120

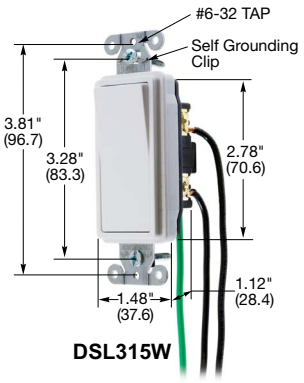
Pre-Wired/Leaded Toggle Spec. Grade Commercial Series, 15A, 120/277V AC - 8" #12 AWG THHN

Fed.Spec.

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, Nylon, Pre-wired leads.	Black	**CSL115BK**	**CSL215BK**	**CSL315BK**	**CSL415BK**
	Brown	**CSL115**	**CSL215**	**CSL315**	**CSL415**
	Gray	**CSL115GY**	**CSL215GY**	**CSL315GY**	**CSL415GY**
	Ivory	**CSL115I**	**CSL215I**	**CSL315I**	**CSL415I**
	Light Almond	**CSL115LA**	**CSL215LA**	**CSL315LA**	**CSL415LA**
	White	**CSL115W**	**CSL215W**	**CSL315W**	**CSL415W**

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, Nylon, Pre-wired leads.	Black	**CSL120BK**	**CSL220BK**	**CSL320BK**	**CSL420BK**
	Brown	**CSL120**	**CSL220**	**CSL320**	**CSL420**
	Gray	**CSL120GY**	**CSL220GY**	**CSL320GY**	**CSL420GY**
	Ivory	**CSL120I**	**CSL220I**	**CSL320I**	**CSL420I**
	Light Almond	**CSL120LA**	**CSL220LA**	**CSL320LA**	**CSL420LA**
	Red	**CSL120R**	**CSL220R**	**CSL320R**	**CSL420R**
	White	**CSL120W**	**CSL220W**	**CSL320W**	**CSL420W**



DSL315W

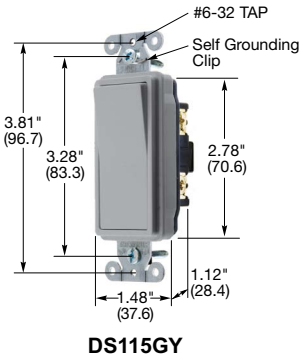
Pre-Wired/Leaded Decorator Spec. Grade Commercial Series, 15A, 120/277V AC - 8" #12 AWG THHN

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, Polycarbonate, Pre-wired leads.	Black	**DSL115BK**	—	**DSL315BK**	—
	Brown	**DSL115**	—	**DSL315**	—
	Gray	**DSL115GY**	—	**DSL315GY**	—
	Ivory	**DSL115I**	—	**DSL315I**	—
	Light Almond	**DSL115LA**	—	**DSL315LA**	—
	White	**DSL115W**	—	**DSL315W**	—

20A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, Polycarbonate, Pre-wired leads.	Black	**DSL120BK**	**DSL220BK**	**DSL320BK**	**DSL420BK**
	Brown	**DSL120**	**DSL220**	**DSL320**	**DSL420**
	Gray	**DSL120GY**	**DSL220GY**	**DSL320GY**	**DSL420GY**
	Ivory	**DSL120I**	**DSL220I**	**DSL320I**	**DSL420I**
	Light Almond	**DSL120LA**	**DSL220LA**	**DSL320LA**	**DSL420LA**
	White	**DSL120W**	**DSL220W**	**DSL320W**	**DSL420W**

Note: See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.



DS115GY

Style Line® Decorator Specification Grade Commercial Series, 15A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, back and side wired.	Black	**DS115BK**	—	**DS315BK**	—
	Brown	**DS115**	—	**DS315**	—
	Gray	**DS115GY**	—	**DS315GY**	—
	Ivory	**DS115I**	—	**DS315I**	—
	Light Almond	**DS115LA**	—	**DS315LA**	—
	White	**DS115W**	—	**DS315W**	—

20A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, back and side wired.	Black	**DS120BK**	**DS220BK**	**DS320BK**	**DS420BK**
	Brown	**DS120**	**DS220B**	**DS320**	**DS420**
	Gray	**DS120GY**	**DS220GY**	**DS320GY**	**DS420GY**
	Ivory	**DS120I**	**DS220I**	**DS320I**	**DS420I**
	Light Almond	**DS120LA**	**DS220LA**	**DS320LA**	**DS420LA**
	Red	**DS120R**	**DS220R**	**DS320R**	**DS420R**
	White	**DS120W**	**DS220W**	**DS320W**	**DS420W**

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

Features and Benefits

Rocker Weatherproof Series

Hubbell designs and manufactures these weatherproof switches for wet and damp applications.

- 20 Amp 120/277V AC
- Single Pole / 3-Way Capable
- NEMA TYPE 3R



Style Line® Decorator Weatherproof Series, 20A, 120/277V AC

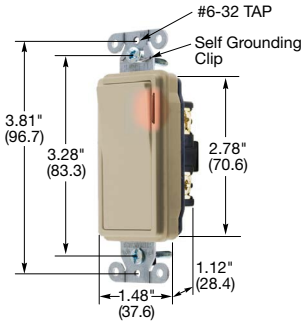
Description	Color	Single Pole / Three Way
Rocker, Weatherproof, self-grounding, back and side wired.	Gray	**RSD120WPGY**
	Light Almond	**RSD120WPLA**
	White	**RSD120WPW**



RSD120WPGY

Style Line® Decorator Specification Grade Commercial Series, Illuminated, Light ON with Load OFF 20A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, with Blue LED, back and side wired.	Black	**DS120ILBK**	—	**DS320ILBK**	—
	Ivory	**DS120IL**	—	**DS320IL**	—
	Light Almond	**DS120ILLA**	—	—	—
	Red	**DS120ILR**	—	—	—
	White	**DS120ILW**	—	**DS320ILW**	—

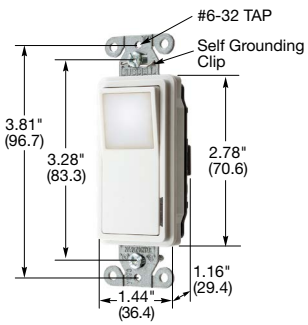


DS120PLI

Style Line® Decorator Specification Grade Commercial Series, Pilot, Light ON with Load ON 20A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, with Red LED, back and side wired.	Black	**DS120PLBK**	—	—	—
	Ivory	**DS120PLI**	—	—	—
	White	**DS120PLW**	—	—	—

Note: See page D-12 for pre-wired/leaded devices.
See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.



DS120NLWH

Style Line® Decorator Spec. Grade Commercial Series with Nightlight, 20A, 120V AC

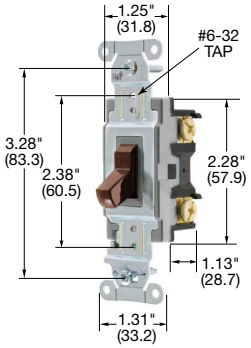
Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, with Nightlight, self-grounding, push, back and side wired.	Black	**DS120NLBK**	—	—	—
	Brown	**DS120NLBR**	—	—	—
	Gray	**DS120NLGY**	—	—	—
	Ivory	**DS120NLIV**	—	—	—
	Light Almond	**DS120NLLA**	—	—	—
	White	**DS120NLWH**	—	—	—

Note: Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

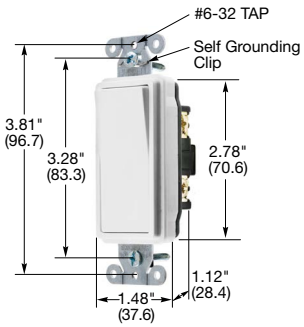
Dimensions in Inches (mm)



CSB120BRLV

Maintained Contact Toggle, Specification Grade, 5A, 24V DC

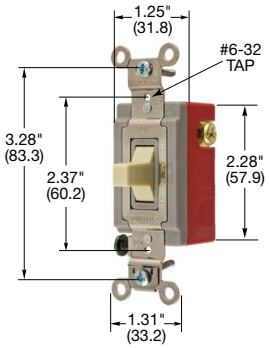
Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Black	**CSB120BKLV**	—	**CSB320BKLV**	—
	Brown	**CSB120BRLV**	—	**CSB320BRLV**	—
	Gray	**CSB120GYLV**	—	**CSB320GYLV**	—
	Ivory	**CSB120ILV**	—	**CSB320ILV**	—
	Light Almond	**CSB120LALV**	—	**CSB320LALV**	—
	Red	**CSB120RLV**	—	**CSB320RLV**	—
	White	**CSB120WHLV**	—	**CSB320WHLV**	—



DS120WLV

Maintained Contact Decorator, Specification Grade, 5A, 24V DC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon decorator, back and side wired.	Black	**DS120BKLV**	—	**DS320BKLV**	—
	Brown	**DS120LV**	—	**DS320LV**	—
	Gray	**DS120GYLV**	—	**DS320GYLV**	—
	Ivory	**DS120ILV**	—	**DS320ILV**	—
	Light Almond	**DS120LALV**	—	**DS320LALV**	—
	Red	**DS120RLV**	—	**DS320RLV**	—
	White	**DS120WLV**	—	**DS320WLV**	—



HBL1557ILV

Momentary Contact, Specification Grade, Single Pole, Double Throw, Center OFF 5A, 24V DC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Brown	**HBL1557LV**	—	—	—
	Gray	**HBL1557GYLV**	—	—	—
	Ivory	**HBL1557ILV**	—	—	—
	Red	**HBL1557RLV**	—	—	—
	White	**HBL1557WLV**	—	—	—

Note: See page D-12 for pre-wired/leaded devices.
See page D-15 for accessories and page D-16 for wallplates.
See page D-22 for technical information.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

Accessories

IP44 SUITABILITY

Pilot Light, 120/277V AC

Description	Catalog Number
Red neon pilot light, back and side wired, fits standard switch wallplate.	**HBL1220RJ**



HBL1220RJ

Brass Locking Cover Attachment for Switches Available in Master Keying and Straight Keying Systems

Description	Catalog Number
Straight keying (all locks alike). Appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key. All locks are keyed alike.	**HBL96061***
Same as above except in dull chrome finish to match stainless steel plates.	**HBL96061DCH***
Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed.	**HBL96062***



HBL96061
Shown with cover and switch (sold separately)

SWITCHOUT® Lockout Device

Description	Catalog Number
Yellow, nylon toggle switch lockout device (Two devices per package).	**HSLDPK2***



HSLDPK2

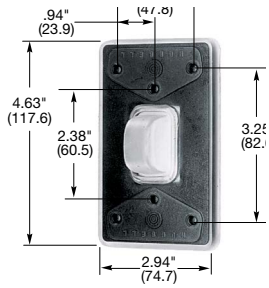
Weatherproof Wallplates

Description	Catalog Number
Clear bubble wallplate, silicone rubber for use with all general purpose AC toggle and PresSwitch® switches. Fits both FS/FD and standard boxes.	**HBL1795**
Cast aluminum lift cover with fiber shield. For standard toggle and PresSwitch® switches. Fits only FS/FD boxes.	**HBL7420**

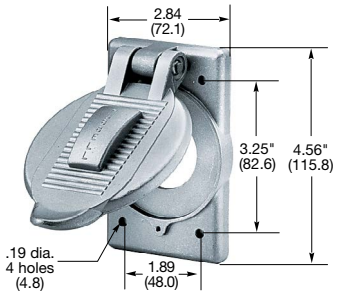
Weatherproof Wallplates for PresSwitch® Switches

Description	Catalog Number
Gray neoprene PresSwitch® wallplate. Fits FS/FD and standard boxes.	**HBL1750**
Same as above except yellow.	**HBL17CM50**
Gray neoprene PresSwitch® wallplate with 125V red pilot light. Fits only FS/FD boxes.	**HBL1785**
Same as above except yellow.	**HBL17CM85**

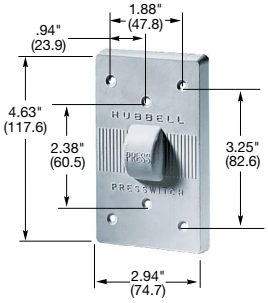
*Note: *Not UL Listed or CSA Certified.*
Each locking wallplate is supplied with two keys.
See section BB for additional information on safety lockout devices.
See section O for additional wallplates.



HBL1795



HBL7420



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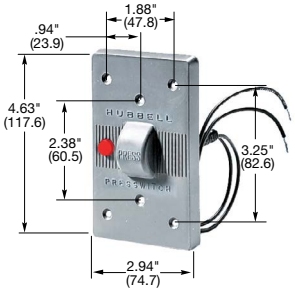


HBL1785

Dimensions in Inches (mm)

Accessories



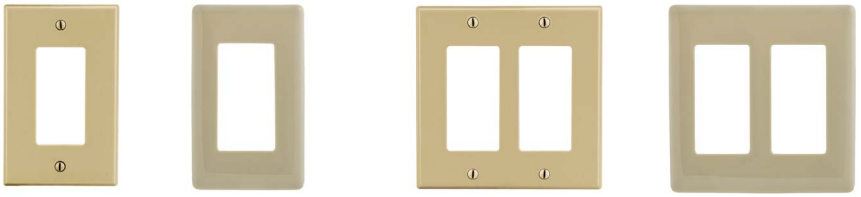
Toggle Switch Non-metallic Wallplates

Description	Color	1-Gang Standard	1-Gang Snap-On	2-Gang Standard	2-Gang Snap-On
Thermoplastic, standard size, smooth satin finish.	Gray	**P1GY**	—	**P2GY**	—
	Ivory	**P1I**	**NPS1I**	**P2I**	**NPS2I**
	Light Almond	**P1LA**	**NPS1LA**	**P2LA**	**NPS2LA**
	White	**P1W**	**NPS1W**	**P2W**	**NPS2W**



Toggle Switch Metal Wallplates

Description	Color	1-Gang	2-Gang	3-Gang
Metal, standard size, smooth lacquer finish.	Aluminum	**SA1**	**SA2**	①
	Brass	**SB1**	**SB2**	**SBP3***
	Stainless Steel, 302/304	**SS1**	**SS2**	**SS3**
	Stainless Steel, 430	**SS1L**	**SS2L**	**SS3L**



Style Line® Decorator Switch Non-metallic Wallplates

Description	Color	1-Gang Standard	1-Gang Snap-On	2-Gang Standard	2-Gang Snap-On
Thermoplastic, standard size, smooth satin finish.	Gray	**P26GY**	—	**P262GY**	—
	Ivory	**P26I**	**NPS26I**	**P262I**	**NPS262I**
	Light Almond	**P26LA**	**NPS26LA**	**P262LA**	**NPS262LA**
	White	**P26W**	**NPS26W**	**P262W**	**NPS262W**



Style Line® Decorator Switch Metal Wallplates

Description	Color	1-Gang	2-Gang	3-Gang
Metal, standard size, smooth lacquer finish.	Aluminum	①	①	①
	Brass	**SB26**	**SB262**	①
	Stainless Steel, 302/304	**SS26**	**SS262**	**SS263**
	Stainless Steel, 430	**SS26L**	**SS262L**	—

Note: See section O for additional wallplates.
**Brass plated.*
①Available as a custom metal wallplate. See wallplate section for additional information.

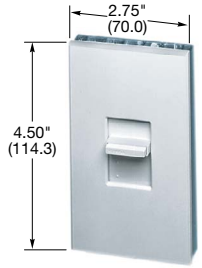
Certification Chart

UL, CSA, and Fed. Spec. Listing Data

Catalog Number	WS896 Listed	UL Listed UL20	CSA Certified	Catalog Number	WS896 Listed	UL Listed UL20	CSA Certified
1201	Yes	Yes	Yes	HBL1224	Yes	Yes	Yes
1203	Yes	Yes	Yes	HBL1221L	Yes	Yes	Yes
1221	Yes	Yes	Yes	HBL1222L	Yes	Yes	Yes
1222	Yes	Yes	Yes	HBL1223L	Yes	Yes	Yes
1223	Yes	Yes	Yes	HBL1224L	Yes	Yes	Yes
1224	Yes	Yes	Yes	HBL1221IL	Yes	Yes	Yes
1221PW	Yes	Yes	Yes	HBL1223IL	Yes	Yes	Yes
1222PW	Yes	Yes	Yes	HBL1221PL	Yes	Yes	Yes
1223PW	Yes	Yes	Yes	HBL1222PL	Yes	Yes	Yes
1224PW	Yes	Yes	Yes	HBL1223PL	Yes	Yes	Yes
CS115	Yes	Yes	Yes	HBL1221RKL	No	Yes	Yes
CS315	Yes	Yes	Yes	HBL1222RKL	No	Yes	Yes
CS120	Yes	Yes	Yes	HBL1223RKL	No	Yes	Yes
CS320	Yes	Yes	Yes	HBL1224RKL	No	Yes	Yes
CSB115	Yes	Yes	Yes	HBL1259I	No	No	No
CSB215	Yes	Yes	Yes	HBL1281	No	Yes	Yes
CSB315	Yes	Yes	Yes	HBL1282	No	Yes	Yes
CSB415	Yes	Yes	Yes	HBL1283	No	No	No
CSB120	Yes	Yes	Yes	HBL1284	No	No	No
CSB220	Yes	Yes	Yes	HBL1287I	No	Yes	Yes
CSB320	Yes	Yes	Yes	HBL1288I	No	No	No
CSB420	Yes	Yes	Yes	HBL1281MO	No	No	No
CSL115	Yes	Yes	Yes	HBL1281MC	No	No	No
CSL215	Yes	Yes	Yes	HBL1297	No	Yes	Yes
CSL315	Yes	Yes	Yes	HBL1298	No	No	No
CSL415	Yes	Yes	Yes	HBL1381	No	Yes	Yes
CSL120	Yes	Yes	Yes	HBL1382	No	Yes	Yes
CSL220	Yes	Yes	Yes	HBL1385	No	Yes	Yes
CSL320	Yes	Yes	Yes	HBL1386	No	Yes	Yes
CSL420	Yes	Yes	Yes	HBL1386L	No	Yes	Yes
DS115	No	Yes	Yes	HBL1388	No	Yes	Yes
DS315	No	Yes	Yes	HBL1556	No	Yes	Yes
DS120	No	Yes	Yes	HBL1557	No	Yes	Yes
DS220	No	Yes	Yes	HBL1556L	No	Yes	Yes
DS320	No	Yes	Yes	HBL1557L	No	Yes	Yes
DS420	No	Yes	Yes	HBL3031	Yes	Yes	Yes
DS120IL	No	Yes	Yes	HBL3032	Yes	Yes	Yes
DS320IL	No	Yes	Yes	HBL3033	Yes	Yes	Yes
DS120PL	No	Yes	Yes	HBL3031PL	Yes	Yes	Yes
DSL115	No	Yes	Yes	HBL3031PL	Yes	Yes	Yes
DSL215	No	Yes	Yes	HBL3032PL	Yes	Yes	Yes
DSL315	No	Yes	Yes	SNAP1201	No	Yes	Yes
DSL415	No	Yes	Yes	SNAP1201IL	No	Yes	Yes
DSL120	No	Yes	Yes	SNAP1201PL	No	Yes	Yes
DSL220	No	Yes	Yes	SNAP1203	No	Yes	Yes
DSL320	No	Yes	Yes	SNAP1203IL	No	Yes	Yes
DSL420	No	Yes	Yes	SNAP1221	No	Yes	Yes
HBL1201	Yes	Yes	Yes	SNAP1221IL	No	Yes	Yes
HBL1202	Yes	Yes	Yes	SNAP1221PL	No	Yes	Yes
HBL1203	Yes	Yes	Yes	SNAP1223	No	Yes	Yes
HBL1204	Yes	Yes	Yes	SNAP1223	No	Yes	Yes
HBL1201IL	Yes	Yes	Yes	SNAP1223IL	No	Yes	Yes
HBL1203IL	Yes	Yes	Yes	SNAP2101	No	Yes	Yes
HBL1201PL	Yes	Yes	Yes	SNAP2101IL	No	Yes	Yes
HBL1203PL	Yes	Yes	Yes	SNAP2101PL	No	Yes	Yes
HBL1201L	Yes	Yes	Yes	SNAP2103	No	Yes	Yes
HBL1202L	Yes	Yes	Yes	SNAP2103IL	No	Yes	Yes
HBL1203L	Yes	Yes	Yes	SNAP2121	No	Yes	Yes
HBL1204L	Yes	Yes	Yes	SNAP2121IL	No	Yes	Yes
HBL1221	Yes	Yes	Yes	SNAP2121PL	No	Yes	Yes
HBL1222	Yes	Yes	Yes	SNAP2123	No	Yes	Yes
HBL1223	Yes	Yes	Yes	SNAP2123IL	No	Yes	Yes

Note: Catalog numbers above represent all colors and variations.

Slide and Rotary Control Dimmers



AS103
1000W Dimmer
Fits Single-Gang Wall Boxes

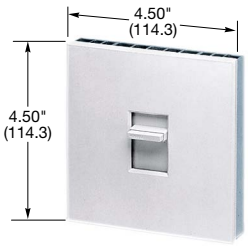
Architectural Grade, Incandescent Preset Slide Control Dimmers

Description	Color	Rating	Catalog Number
Single pole/three way - preset.	White	1000W, 120V AC, 60Hz	**AS103**
Single pole/three way - preset.	White	2000W, 120V AC, 60Hz	**AS203**

Accessories

Description	Color	Catalog Number
Small wallplate kit for 600W and 1000W models.	Ivory	**AS1I**
Includes non-metallic trimplate and slide.	White	**AS1W**
Large wallplate kit for 1500W and 2000W models.	Ivory	**AS2I**
Includes non-metallic trimplate and slide.	White	**AS2W**

Note: The dimmers listed above can be wired for single pole or three way applications.
See page D-19 for ganging and derating.



AS203
2000W Dimmer
Fits Single-Gang Wall Boxes



AR101
1000W Dimmer
Fits Single-Gang Wall Boxes

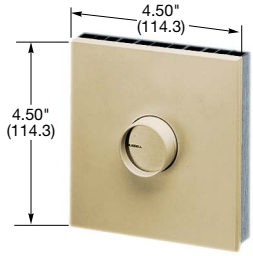
Architectural Grade, Incandescent Rotary Control Dimmers

Description	Color	Rating	Catalog Number
Single pole - push ON/OFF.	Beige	1000W, 120V AC, 60Hz	**AR101**
Three way - push ON/OFF.	Beige		**AR103**
Single pole, rotary ON/OFF.	Beige	2000W, 120V AC, 60Hz	**AR201**

Accessories

Description	Color	Catalog Number
Small wallplate kit for 600W and 1000W models.	Beige	**AR1BE**
Includes non-metallic trimplate and knob.	White	**AR1W**
Large wallplate kit for 1500W and 2000W models.	Beige	**AR2BE**
Includes non-metallic trimplate and knob.	White	**AR2W**

Note: See page D-19 for ganging and derating.



AR201
2000W Dimmer
Fits Single-Gang Wall Boxes

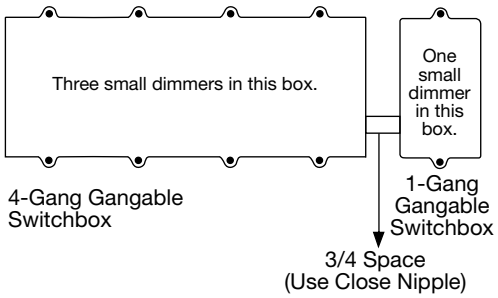
Dimmer Ganging and Derating

Architectural Grade Slide and Rotary Series Number of Switchboxes Required with Dimmer Side Sections Intact

		Number of Small Controls (600W and 1000W)						
		0	1	2	3	4	5	6
Number of Large Controls (1500W and 2000W)	0	0	1	1+1	4	1+4	7	1+7
	1	1	3	5	6	8	9	11
	2	4	6	7	9	10	12	13
	3	6	8	10	11	13	14	16
	4	9	11	12	14	15	17	18
		Number of Gangs Required						

Note: When ganging an even number of small controls with no side sections removed (plus numbers in chart), use gangable switchboxes with tapped ears as shown below. Do not use plaster rings or gangbox covers. Space an additional switchbox ¾ in. apart from the other switchbox(es). A ¾ in. close nipple is recommended as a spacer between the switchboxes.

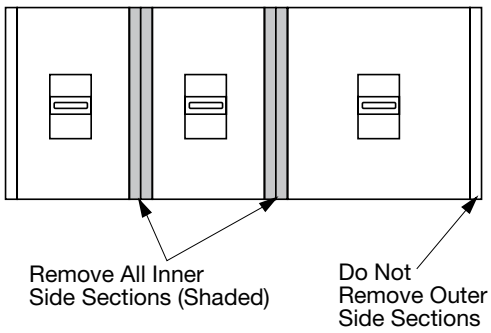
Example of 4-Gang Installation



Number of Switchboxes Required with Side Sections Removed

		Number of Small Controls (600W and 1000W)						
		0	1	2	3	4	5	6
Number of Large Controls (1500W and 2000W)	0	0	1	2	3	4	5	6
	1	1	3	4	5	6	7	8
	2	3	5	6	7	8	9	10
	3	5	7	8	9	10	11	12
	4	7	9	10	11	12	13	14
		Number of Gangs Required						

Note: When removing side sections, remove only inner side sections. Do not remove side sections on outer ends of gang. The same installation rules apply to rotary dimmers (not shown).



Derating Chart

No Side Sections Removed	One Side Section Removed	Both Side Sections Removed
600W	600W	500W
1000W	900W	700W
1500W	1250W	1000W
2000W	1800W	1500W

Note: When ganging any combination of small and large controls, place a small control on one extreme end of the gang, and a large control at the other end of the gang. When ganging with side sections intact, use offset mounting holes. When ganging with side sections removed, use center mounting holes. Allow a 1/33 in. gap (space) between controls for ease in attaching the faceplate.

Specification Grade Slide and Rotary Series

Switchboxes Required: Side Sections Removed

Derating Chart

1 Dimmer In Wall Box	2 Dimmers In Wall Box	3 Or More Dimmers In Wall Box
600W	500W	400W
1000W	800W	650W
5A fan speed	4A fan speed	3A fan speed

Heavy Duty Panel Mount



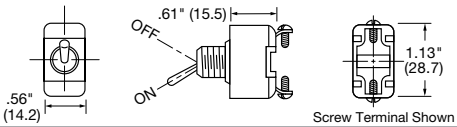
HBL11

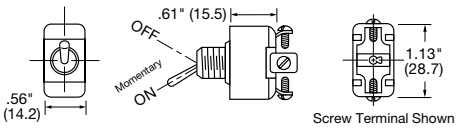


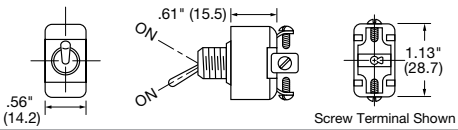
HBL123SP

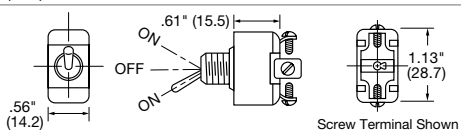
10A 250V AC 20A 125V AC Horsepower Rated ¾ HP, 125-250V AC

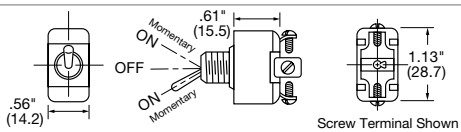
Description	Terminal	Catalog Number
Single pole/ single throw.	Screw Spade	**HBL11** **HBL11SP**
Single pole/ single throw momentary.	Screw Spade	**HBL11M** **HBL11SPM**
Single pole/ double throw.	Screw Spade	**HBL12** **HBL12SP**
Single pole/ double throw 3-position center OFF.	Screw Spade	**HBL123** **HBL123SP**
Single pole/ double throw 3-position center OFF momentary.	Screw Spade	**HBL123MM** **HBL123SPMM**







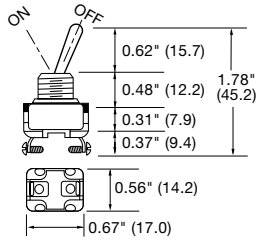




Note: All threaded stems 15/32 in.–32 thread.

10A 240V AC 15A 120V AC

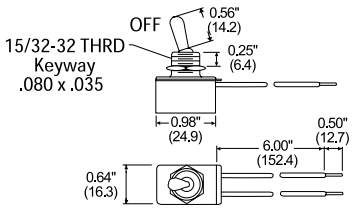
Description	Terminal	Catalog Number
Single pole/ single throw.	Screw	**HBL118**



Note: 15/32 in.–32 thread.

4A 250V 8A 125V 10A 120V AC 1/3 HP 120V AC

Description	Terminal	Catalog Number
Single pole/ single throw.	#18 Std. AWG Copper Wire Leads 105° C Black.	**HBL11WL**



Note: 15/32 in.–32 thread, keyway .080 x .035.

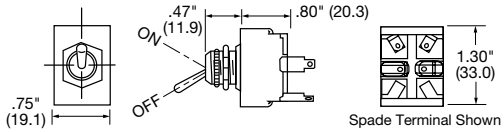
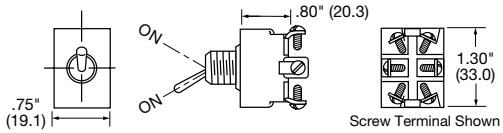
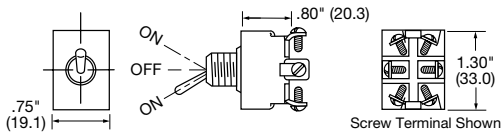
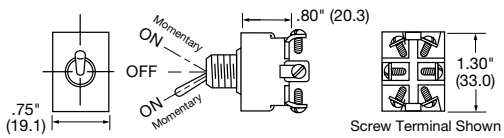
Specifications

Impact Resistant Thermoplastic Body.
Fine Silver Contacts.
Knurled Nut, Hex Nut And Strap All Nickel Plated.
Keyed Brass Bushing Nickel Plated.
Brass Toggle Nickel Plated.
Choice of Terminal Design: .250 in. (6.3) Male Tab Spade Type or 6/32 Screw Type.
UL Recognized.

Dimensions in Inches (mm)

Heavy Duty Panel Mount

10A 250V AC 20A 125V AC Horsepower Rated 1½ HP, 125-250V AC

Description		Terminal	Catalog Number
Double pole/ single throw.		Screw Spade	**HBL21** **HBL21SP**
Double pole/ single throw.		Screw Spade	**HBL22** **HBL22SP**
Double pole/ double throw 3-position center OFF.		Screw Spade	**HBL223** **HBL223SP**
Double pole/ double throw 3-position center OFF momentary.		Screw Spade	**HBL223MM** **HBL223SPMM**
Silicone rubber boot.		Screw Spade	**SSB1**

Note: All threaded stems 15/32 in.–32 thread.
See AA-35 for additional information on 12V DC tapered handle switches.



HBL21

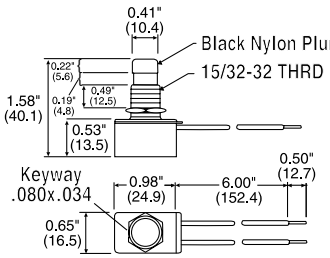


HBL223



SSB1

4A 250V 8A 125V 10A 120V AC 1/3 HP 120V AC

Description		Terminal	Catalog Number
Single pole/ single throw.		#18 Std. AWG Copper Wire Leads 105° C Black.	**HBL11PBWL**

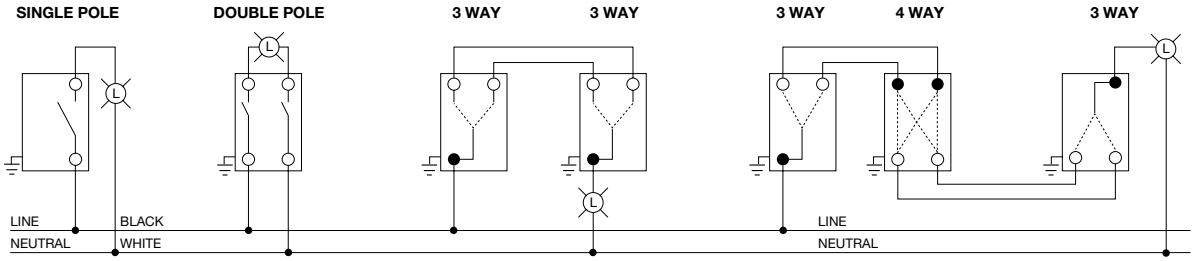
Note: 15/32 in.–32 thread, keyway .080 x .035.



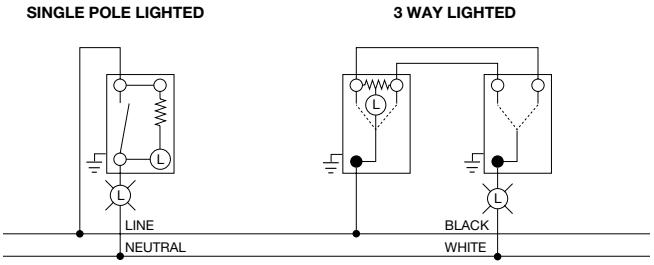
HBL11PBWL

Dimensions in Inches (mm)

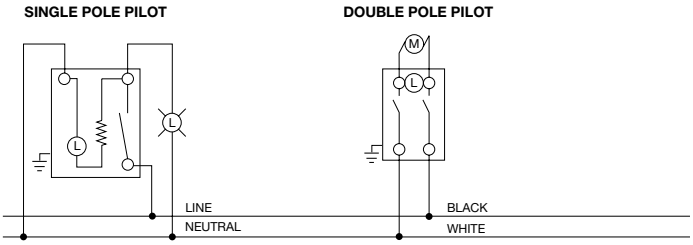
Standard Toggle Type Switches



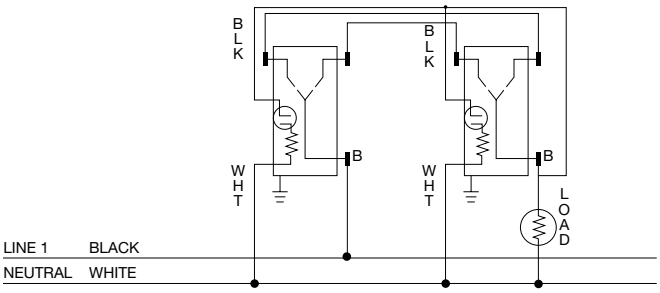
Illuminated Switches (light ON with load OFF)



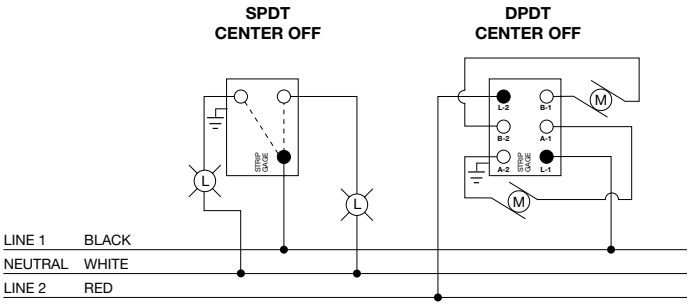
Pilot Light Switches (light ON with load ON)



Three Way Pilot Switches



Three Position Switches, Momentary and Maintained



Specifications - HBL® Extra Heavy Duty Industrial Grade Switches (SP, DP, 3-Way, 4-Way)

Listings	Component	Material
UL Listed	Base	Thermoset, Color Coded by Amperage
CSA Certified	Top	Thermoset, Gray
Verified to Fed. Spec. W-S-896,	Toggle	Nylon
SP, DP, 3-way and 4-way	Terminals	Brass
	Terminal Screws	Brass
	Mounting Bridge	Nickel Plated Steel
	Contacts	Silver Alloy
	Moveable Contact Arm	Brass
	Rocker	Elastomer
	Ground Terminal	Nickel-Plated Steel
	Ground Screw	Brass
	Automatic Grounding Clip	Stainless Steel

Performance Data

Electrical	
Dielectric Voltage	Withstands 1500V AC minimum for 1 minute
Max. Working Voltage	277V AC
Overload	Minimum 4.8 times rated current for 100 cycles
Temperature Rise	30°C maximum at rated current
Max. Continuous Current	15A, 20A, 30A
Endurance	50,000 cycles min., tungsten filament lamp load Fed. Spec. #WS896, SP, DP, 3-way and 4-way
Mechanical	
Terminal Accommodations	#14 AWG min. - #10 AWG max. solid and stranded copper wire only
Environmental	
Flammability	UL 94V-2
Operating Temperature	Max. continuous: 75°C; Min. continuous: -40°C without impact

SECTION E

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Wall Switch Sensors



MAXX™ Harsh Environment Occupancy Sensors



WL-Series Wireless Sensors and Controls



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Energy Consumption and Standards Compliance

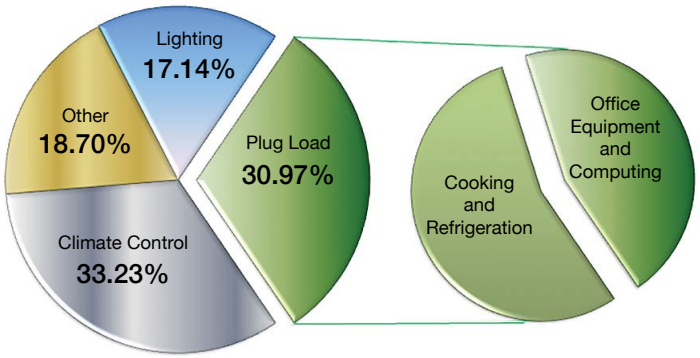
Electricity consumption in commercial buildings has changed dramatically over the past decade. Energy efficient lighting sources like LEDs have reduced their contribution on a commercial building's total electricity consumption from 40% to approximately 17%. Today plug and process loads consume up to 30% of a typical commercial building's energy costs. Energy Efficiency Codes & Standards are becoming more stringent in an effort to reduce energy consumption in all areas of commercial buildings.

Hubbell Load:Logic® series of control devices offers a broad range of space, centralized and distributed controls that meet the latest codes and standards and qualify for LEED certification points. Hubbell devices feature ease of installation, setup, operation and commissioning process. The result is an "install-and-forget" experience.

Additional features include:

- Occupancy or time-based controls
- Manual ON mode requires user operation to turn lights ON but automatically turns lights OFF when a space is unoccupied after a specified period of time
- Daylight Harvesting sensors for dimming or to keep the lights OFF when natural light is sensed
- Automatic receptacle control

Commercial Buildings Electricity Consumption



Electrical bill impact for a typical office building



Adaptive Technology Provides Better Control

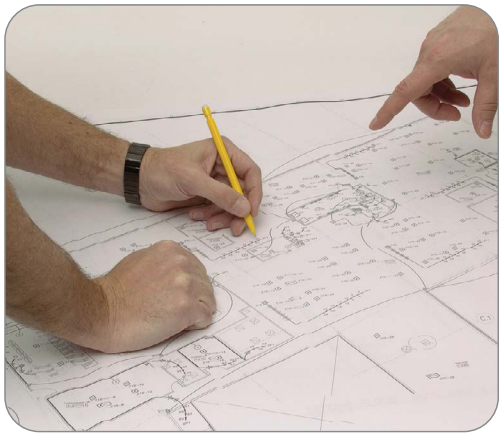
Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

- Lower energy costs and utility bills
- No need to manually adjust for occupancy changes

Backed by Hubbell Service and Support

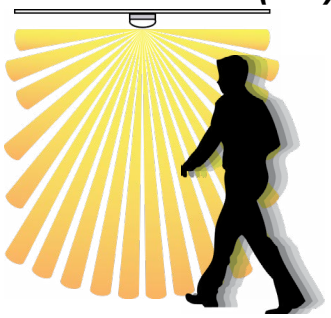
Hubbell Energy Efficiency Solutions focuses on environmental stewardship, innovative products and efficient building operations. Hubbell also offers superior service and support with:

- Detailed online e-learning courses
- Product selection guide to assist in choosing the right technology
- Online specification assistance
- Highly knowledgeable network of trained professionals and staff
- BIM models and 3D coverage patterns



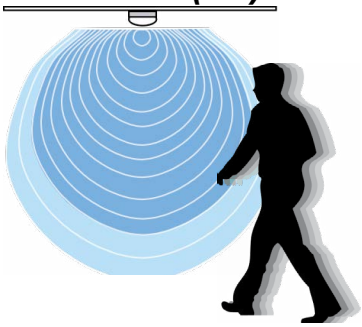
The Right Technology for the Right Application

Passive Infrared (PIR)



Requires a clear, unobstructed line of sight for detection, because it senses occupancy as movement of heat emitted from the body against the background space. A segmented Fresnel lens divides the coverage area into zones. Movement across zones is interpreted as occupancy.

Ultrasonic (US)



Senses occupancy by emitting an ultrasonic high-frequency sound wave (32 kHz to 45 kHz), sensing the frequency of the reflected signal, and then determining occupancy based on a change in frequency. While this has a limited range, it detects small motions and does not require a clear line of sight.

Dual Technology



Combines PIR and US technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.





Features and Benefits

Adaptive Dual (Ultrasonic and Passive Infrared)

Combines PIR and US technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.

Adaptive technology provides better control. Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

The optimum choice when performance is paramount.

Standard Passive Infrared

Requires a clear, unobstructed line of sight for detection, because it senses occupancy as movement of heat emitted from the body against the background space. A segmented Fresnel lens divides a coverage area into zones. Movement across zones is interpreted as occupancy.

Excellent for small room control.



Adaptive Series



Housing Design
- Steel mounting strap
- High impact molded plastics
- Color matching tamper resistant lens



Coverage and Electrical Ratings
- Dual technology - 1,000 sq. ft. Ultrasonic only - 400 sq. ft.
- 120/277V AC 50/60 Hz; no neutral required; 24V DC, 33mA
- Zero-arc point switching
- Compatible with CFL/LED and motor loads



Operation
- Selectable Auto or Manual ON operating modes
- Vacancy only version
- Dual relay version for bi-level switching or lighting/fan control applications
- Photocell for extra energy savings

WS Series



Housing Design
- Plated steel mounting strap
- High Impact molded plastics
- Recessed tamper resistant lens
- Night light option



Coverage and Electrical Ratings
- High density PIR - 1,200 sq. ft.
- WS1000 series - 120V AC 60Hz
  WS2000 series - 120/277V AC 60Hz; multi-way capable
- No neutral required
- Compatible with CFL/LED and motor loads



Operation
- WS2000 series - Selectable Auto or Manual ON operating modes
- Vacancy only version
- Dual relay version for bi-level switching or lighting/fan control applications
- Photocell for extra energy savings

Adaptive Technology Wall Switch Sensors

800W Incandescent/Electronic Ballast, 5A LED, 1/6 HP at 120V AC, 1800W Electronic Ballast, 5A LED , 1/6 HP at 277V AC.



AD2000W1
AD2001W1



AD2000W1N
AD2000W22N

Dual (Ultrasonic and Passive Infrared)

		Single Circuit		Dual Circuit	
Description	Color	1 button	Auto control with no button	2 buttons	Auto control with no button
Selectable Manual/ Auto ON	Ivory Light Almond White	**AD2000I1** **AD2000LA1** **AD2000W1**	**AD2000I1N** **AD2000LA1N** **AD2000W1N**	**AD2000I22** **AD2000LA22** **AD2000W22**	**AD2000I22** **AD2000LA22** **AD2000W22**
Manual ON (Vacancy)	Ivory Light Almond White	**AD2001I1** **AD2001LA1** **AD2001W1**	— — —	**AD2001I22** **AS2001LA22** **AD2001W22**	— — —
Selectable Manual/Auto ON with neutral wire	Ivory White	**ADN2000I1** **ADN2000W1**	— —	**ADN2000I2** **ADN2000W2**	— —

Passive Infrared

		Single Circuit	Dual Circuit
Description	Color	1 button	2 buttons
Selectable Manual/ Auto ON.	Ivory Light Almond White	**AP2000I1** **AP2000LA1** **AP2000W1**	**AP2000I22** **AP2000LA22** **AP2000W22**
Selectable Manual/ Auto ON with neutral wire	Ivory White	**APN2000I1** **APN2000W1**	— —
Manual ON (Vacancy)	Ivory Light Almond White	**AP2001I1** **AP2001LA1** **AP2001W1**	**AP2001I22** **AP2001LA22** **AP2001W22**



AP2000W1
AP2001W1



AP2000W22
AP2001W22



AD2240W1
AD2241W1

Dual (Ultrasonic and Passive Infrared)

24V DC, 33mA. Requires a CU300xx series control unit.

Description	Color	Single Circuit 1 button	Dual Circuit 2 buttons
Selectable Manual/ Auto ON.	Ivory	**AD2240I1**	**AD2240I2**
	Light Almond	**AD2240LA1**	**AD2240LA2**
	White	**AD2240W1**	**AD2240W2**
Manual ON (Vacancy).	Ivory	**AD2241I1**	**AD2241I2**
	Light Almond	**AD2241LA1**	**AD2241LA2**
	White	**AD2241W1**	**AD2241W2**

Note: Wallplate sold separately. See page E-23 for technical specifications, coverage patterns and wiring schematics.



WS2000W
WS1000W



WS1020NW
WS1021NW

Passive Infrared

Manual time delay adjustment.

Description	Color	Standard	with Nightlight	with Neutral	with Nightlight and Neutral
Manual adjusting; selectable manual/auto ON operation; dual-voltage 120/277V AC; multi-way capable.	Gray	**WS2000GY**	**WS2000NGY**	—	—
	Ivory	**WS2000I**	**WS2000NI**	**WS2004I**	**WS2004NI**
	Light Almond	**WS2000LA**	**WS2000NLA**	—	—
	White	**WS2000W**	**WS2000NW**	**WS2004W**	**WS2004NW**
Manual adjusting; selectable manual/auto ON operation; 120V AC only.	Ivory	**WS1000I**	**WS1000NI**	—	—
	Light Almond	**WS1000LA**	**WS1000NLA**	—	—
	White	**WS1000W**	**WS1000NW**	—	—
Manual adjusting; manual ON operation; 120V AC only.	Ivory	**WS1001I**	**WS1001NI**	—	—
	Light Almond	**WS1001LA**	**WS1001NLA**	—	—
	White	**WS1001W**	**WS1001NW**	—	—
Manual adjusting; auto ON operation; dual circuit; 120V AC only.	Gray	**WS1020GY**	**WS1020NGY**	—	—
	Ivory	**WS1020I**	**WS1020NI**	**WS1024I**	**WS1024NI**
	Light Almond	**WS1020LA**	**WS1020NLA**	**WS1024LA**	**WS1024NLA**
	White	**WS1020W**	**WS1020NW**	**WS1024W**	**WS1024NW**
Manual adjusting; manual ON operation; dual circuit; 120V AC only.	Gray	**WS1021GY**	**WS1021NGY**	—	—
	Ivory	**WS1021I**	**WS1021NI**	**WS1025I**	**WS1025NI**
	Light Almond	**WS1021LA**	**WS1021NLA**	**WS1025LA**	**WS1025NLA**
	White	**WS1021W**	**WS1021NW**	**WS1025W**	**WS1025NW**

Note: See page E-24 for technical specifications, coverage patterns and wiring schematics.



DT2000W

Digital Timer

Description	Color	Catalog Number
DIP switch enable preset intervals for 2 and 4 hours. User adjustable up to 24 hours. 3-way capable, 960W @ 120V AC and 1200W @ 277V AC.	White	**DT2000W**



WSTA120

Programmable Timer

Description	Color	Catalog Number
Wall Switch Programmable Timer with Astronomical Clock, Features 3 Interchangeable cover colors: Gray, Light Almond and White. Compatible in SP and 3-Way configurations, 120V AC, neutral wire required.	White	**WSTA120**



DT5030W

Count Down Timers

Description	Color	30 Minutes: OFF, 5, 10, 20, 30	60 Minutes: OFF, 15, 30, 45, 60	12 Hours: OFF, 2, 4, 8, 12
1000W @ 120V AC and 1400W @ 277V AC.	Ivory	**DT5030I**	**DT5060I**	**DT5012I**
	Light Almond	**DT5030LA**	**DT5060LA**	**DT5012LA**
	White	**DT5030W**	**DT5060W**	**DT5012W**

Features and Benefits

Dual (Ultrasonic and Passive Infrared)

Combines PIR and Ultrasonic technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.

Adaptive technology provides better control. Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

The absolute choice for advanced control and precise performance.

Passive Infrared

Passive infrared sensors are specifically designed for long- range major motion activity sensitivity, making them ideal for large open areas.

Various models are suitable for indoor and outdoor applications where NEMA 4X rating is required. Other units are suitable for extreme temperatures areas providing unsurpassed flexibility for almost every application.

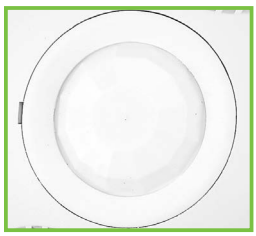


Ceiling Mount



Housing Design

- High-impact, plastic (UL94, 5VA)
- 12-element segmented Fresnel lens; 32kHz ultrasonic transmitter and receiver
- Mounting base provided



Coverage and Ratings

- Up to 2,000 sq. ft. between 8ft and 12ft mounting height. 24V DC active high-logic control signal
- Option of a N/O + N/C contacts; SPDT; 500 mA rated @ 24V DC; three-wire isolated relay for HVAC or energy management systems integration



Operation

- Self adjusting sensitivity thresholds and timers; automatic false ON/ false OFF corrections, strong airflow compensation mode
- Compatible with Hubbell's distributed and centralized control systems

Wall Mount



Housing Design

- High-impact, plastic (UL94, 5VA)
- 12-element segmented Fresnel lens; 32kHz ultrasonic transmitter and receiver
- Mounting base provided



Coverage and Ratings

- Up to 1,600 sq. ft. between 8ft and 12ft mounting height. (30ft for high bay, aisle model) 24V DC active high-logic control signal
- Option of a N/O + N/C contacts; SPDT; 500 mA rated @ 24V DC; three-wire isolated relay for HVAC or energy management systems integration



Operation

- Self adjusting sensitivity thresholds and timers. Automatic false ON/false OFF corrections airflow compensation mode
- Compatible with Hubbell's distributed and centralized control systems



ATD2000C

Dual (Ultrasonic and Passive Infrared) Ceiling Sensors

Combines the excellent minor motion detection of ultrasonic with the outstanding passive infrared (PIR) long-range major motion detection.

Description	Voltage	Coverage Area 2000 sq. ft. (360°)	Coverage Area 1000 sq. ft. (180°)
Low voltage sensor with photocell and isolated relay.	24V DC	**ATD2000CRP**	**ATD1000CRP**
Low voltage sensor.	24V DC	**ATD2000C**	**—**
Line voltage sensor.	120-277V AC	**ATD2000CL**	**ATD1000CL**



ATD1000CRP



ATP1500C

Passive Infrared Ceiling Sensors

Outstanding long range major motion detection.

Description	Voltage	Coverage Area 1500 sq. ft. (360°)
Low voltage sensor with photocell and isolated relay.	24V DC	**ATP1500CRP**
Low voltage sensor.	24V DC	**ATP1500C**
Line voltage sensor.	120-277V AC	**ATP1500CL**

Note: All Low voltage ceiling sensors must use a CU series control unit. See page E-10 for details.
Line voltage ceiling sensors suitable for occupancy (auto-on) applications only. Use low voltage ceiling sensors and low voltage switches with CU series control units (E-10) for vacancy (manual on) applications.
See pages E-25 to E-28 for technical specifications, coverage patterns and wiring schematics.
For Assembled in USA units Add suffix "U".



ATD1600WRP

Dual (Ultrasonic and Passive Infrared) Wall Mount Sensors

Description	Color	Coverage	Catalog Number
Low voltage sensor 32kHz with photocell and isolated relay.	Office White	1600 sq. ft.	**ATD1600WRP**



ATP1600WRP

Passive Infrared Wall Mount Sensors

Description	Color	Coverage	Catalog Number
Low voltage sensor with photocell and isolated relay.	Office White	1600 sq. ft.	**ATP1600WRP**
Low voltage sensor for aisle and high bay applications, with photocell and isolated relay.	Office White	120 linear feet	**ATP120HBRP**

Note: All wall mount sensors must use a CU series control units. See page E-10 for details.
See pages E-25 to E-28 for technical specifications, coverage patterns and wiring schematics.
For Assembled in USA units Add suffix "U"



DSL30W1
DSM30W1

Low Voltage Switches

Single gang design, momentary or latching operation. Compatible with all Hubbell low voltage sensors and Load:Logic® Centralized and Distributed Control Systems. 100mA @ 30V DC max.

Description	Color	Catalog Number
Low voltage switch, latching, 1 button.	Ivory	**DSL30I1**
	Light Almond	**DSL30LA1**
	White	**DSL30W1**
Low voltage switch, momentary, 1 button.	Ivory	**DSM30I1**
	Light Almond	**DSM30LA1**
	White	**DSM30W1**
Low voltage switch, momentary, 2 buttons.	Ivory	**DSM30I2**
	Light Almond	**DSM30LA2**
	White	**DSM30W2**

Note: Wallplate sold separately.

Emergency Lighting Controls

20 Amps, 120/277V AC, NC isolated contacts UL924 listed for emergency circuits. 0-10V dimming override.

Description	Catalog Number
Emergency lighting control unit.	**CU300ELC**
Remote test switch with engraved wallplate.	**RTPB10W**

Note: See page E-26 for technical specifications.



CU300ELC



RTPB10W

Control Units

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

Description	Catalog Number
Auto ON operation, 100-277V AC, 50/60Hz for use with 1 to 4 ATD, ATU, ATP and AD2240 series sensors.	**CU300A**
Manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 4 ATD, ATU, ATP and AD2240 series sensors.	**CU300M**
Auto or manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 6 ATD, ATU, ATP, AHP and AD2240 series sensors, heavy duty latching relay for reactive loads and automatic receptacle control.	**CU300HD**

Note: See page E-26 for technical specifications.
For Assembled in USA units Add suffix "U".



CU300A



CU300HD

Add-A-Relay

Hubbell AAR Add-A-Relay contains an internal relay for control of an external load. The AAR requires a 24V DC power supply from the Hubbell CU series control unit. AAR units are typically used when multiple zone control is desired or the load exceed the maximum load rating of a single control unit.

Description	Catalog Number
Auto ON operation, 120-277V AC, 50/60Hz. Requires a CU300 series control unit; suitable for lighting loads.	**AAR**
Auto or manual ON operation, 100-277V AC 50/60Hz. Requires a CU300 series, heavy duty latching relay; suitable for automatic receptacle control applications.	**AAR20P**

Note: See page E-26 for technical specifications.



AAR



AAR20P

0-10V Adaptive Technology Wall Switch Sensor

Description	Color	Voltage	PIR	Dual (PIR & US)
Dimming selectable auto ON/auto OFF manual ON/auto OFF, current sinking capacity, 30mA.	Ivory Light Almond White		**APD2000I1** **APD2000LA1** **APD2000W1**	**ADD2000I1** **ADD2000LA1** **ADD2000W1**
Dimming manual ON/auto OFF (Vacancy) only, current sinking capacity, 30mA.	Ivory Light Almond White		**APD2001I1** **APD2001LA1** **APD2001W1**	**ADD2001I1** **ADD2001LA1** **ADD2001W1**



APD2000W1
APD2001W1



ADD2000W1
ADD2001W1

Low Voltage Switches with 0-10V Dimming

Single gang design, momentary, latching or a combination operation. Compatible with Hubbell CU300 series control units and IEC60929 Annex E.2 compliant dimming ballasts/LED drivers. Ideal for single zone dimming applications.

Description	Color	Voltage	Momentary, 3 button	Latching, 3 button	1 Latching, 1 Momentary, 4 button
Low voltage switch, 0-10V dimmer, current sinking capacity, 30mA.	Gray Ivory Light Almond White	24V DC	**DSM010GY** **DSM010I** **DSM010LA** **DSM010W**	**DSL010GY** **DSL010I** **DSL010LA** **DSL010W**	**DSC010GY** **DSC010I** **DSC010LA** **DSC010W**

Note: See page E-34 for technical specifications.

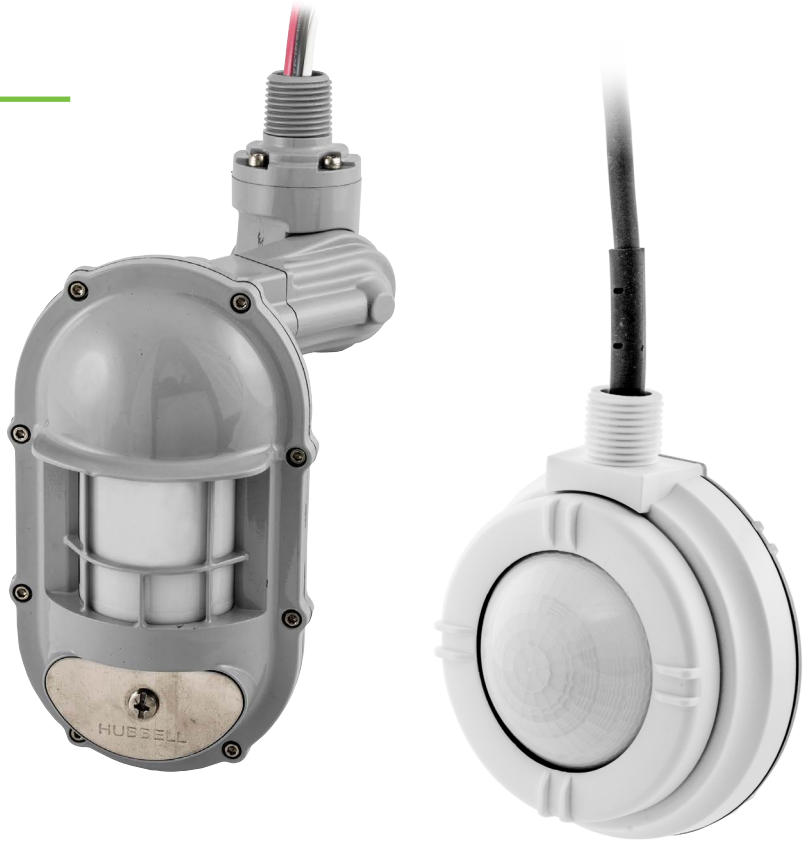


DSM010I

Features and Benefits

MAXX™ Harsh Environment Sensing Devices

MAXX™ products are designed to withstand these harsh environments manufactured with cold and heat resistant components. These sensors tolerate extremes of weather and applications. MAXX™ products provide users with methods to reduce energy usage in harsh environments where other commercial grade products can't.

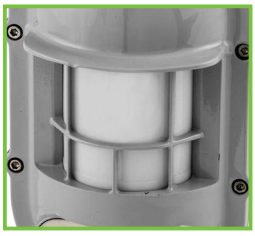


Pendant Mount



Housing Design

- IP66, TYPE 4X, outdoor rated
- Housing manufactured from chemical resistant thermoplastic
- Multiple mounting kits for existing work boxes and hubs; pendant or wall mounting flexibility



Protection

- Integrated lens guard protects against accidental damage
- Photocell makes sure lights stay OFF when there is sufficient daylight
- Isolated relay provides signalling to HVAC and ventilation systems



Access Cover

- Stainless steel hardware and settings access cover

Fixture Mount



Housing Design

- IP65, NEMA 3R watertight, and outdoor rated
- Fixture or work box mounting with ½" threaded nipple



Coverage and Electrical Ratings

- Digital passive infrared (PIR) sensor
- Two (upward/downward) photocells options for daylight harvesting
- Supplied with 360° lens; aisle, end-of-aisle and 180° lenses available separately
- -40°F to 149°F (-40°C to 65°C) operating temperature range; compatible with CFL/LED and motor loads

TYPE 4X Outdoor, Passive Infrared Wall Mount Sensor

Description	Voltage	Catalog Number
PIR sensor, with isolated relay and photocell.	24V DC	**AHP1600WRP**

Note: For use with CU300HD (100-277V AC, 50/60Hz) control unit.
See page E-26 for technical specifications and coverage patterns.



AHP1600WRP

Extreme Temperatures Passive Infrared Ceiling Mounted Sensor

Use ACIPE to make NEMA 4X watertight.

Description	Voltage	Catalog Number
Sensor with isolated relay and photocell.	24V DC	**AHP1500CRP**
IP66, NEMA 4X enclosure.	—	**ACIPE**

Note: For use with CU300HD (100-277V AC, 50/60Hz) control unit.
See page E-25 for technical specifications and coverage patterns.



AHP1500CRP with **ACIPE**

Heavy Duty Control Unit

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

Description	Catalog Number
Auto or manual ON operation, 100-277V AC, 50/60Hz, heavy duty latching relay.	**CU300HD**
Auto or manual ON operation, 100-277V AC, 50/60Hz. Requires a CU300 series, heavy duty latching relay.	**AAR20P**

Note: See page E-26 for technical specifications.
For Assembled in USA units Add suffix "U".



CU300HD

OPTIMYZER® Watertight High Bay and Low Bay PIR Sensors with Photocells

IP65, NEMA 3R, outdoor rated, -40°F to 149°F (-40°C to 65°C) operating temperature range.

Description	Voltage	Standard	0-10V Dimming
Single relay end mount.	120-347V AC	**HBSXT13**	**HBSXT14D**
2 relays end mount.	120-347V AC	**HBSXT23**	**—**
1 double pole relay end mount.	208, 240V AC	**HBSXT28**	**—**
1 double pole relay end mount.	480V AC	**HBSXT48**	**—**
Low voltage end mount.	24V DC	**HBSXT24***	**HBSXT24D***
Single relay surface mount.	120-480V	**—**	**HBSXT14DSM**
Low voltage surface mount.	24V DC	**—**	**HBSXT24DSM***

Note: 360° high bay lens included. Low bay lens options sold separately, see below for details.
**For use with CU300HD (120/277V AC, 50/60Hz) control unit.*
See pages E-29 and E-30 for technical specifications and coverage patterns.



HBSXT24D

Replacement Lenses

Description	High Bay	Low Bay
180° lens.	**HBRLXT180**	**LBRLXT180**
360° lens.	**HBRLXT360**	**LBRLXT360**
Aisle lens.	**HBRLXTA**	**LBRLXTA**
End of aisle lens.	**HBRLXTEA**	**LBRLXTEA**



HBRLXT180



HBRLXT360



HBRLXTA



HBRLXTEA

Energy Efficiency Solutions

New Codes and Standards mandates that 50% of all receptacles in private offices, open offices and computer classrooms must be automatically controlled by occupancy or time based schedules. This also includes outlets in modular furniture. Hubbell provides solutions for compliance that are cost effective and installer friendly. Find out more design resources at www.hubbell-wiring.com/energy.aspx



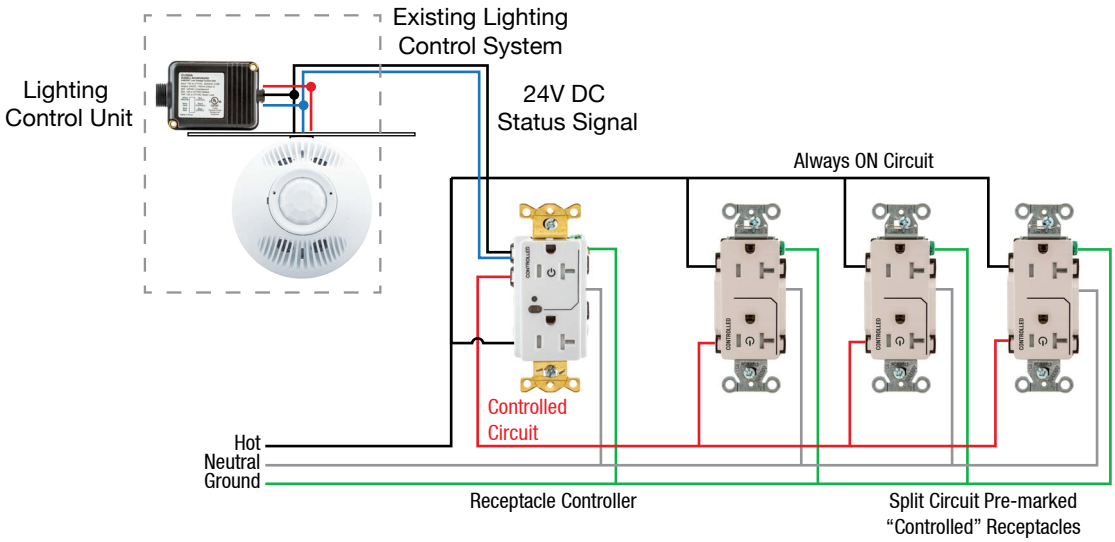






Wired

Utilizing low voltage wiring provides installers with a familiar method of wiring and installation. Specify Hubbell's new load control receptacle to meet this requirement. Utilize alternating outlet or split receptacle wiring as required to control at least 50% of the outlets in the space.



Codes and Standards

ASHRAE Standard 90.1 2019

Standard 90.1 requires that at least 50 percent of all 125V, 15A and 20A receptacles in private offices, open offices and classrooms be controlled by an automatic control device. Controlled receptacles need to be marked to differentiate them from non-controlled receptacles.

California Title 24 Building Energy Efficiency Standards 2019

Section 130.5(d) of California Energy Commission Title 24, Part 6 - 2019 code requires receptacles to have automatic shutoff controls in certain spaces in all buildings.

2020 National Electrical Code®

NEC® Section 406.3(E) requires that all nonlocking, 125 V, 15A and 20A receptacles controlled by an automatic control device or by an automatic energy management system must be marked with the ⏻ symbol and the word "CONTROLLED".

Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

Wired

Switched Receptacles for Automatic Receptacle Control

		15A		20A	
Description	Color	Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Auto ON/Auto OFF control. Capable of controlling additional receptacles downstream.	Black	**HBL5262LC1BK**	**HBL5262LC2BK**	**HBL5362LC1BK**	**HBL5362LC2BK**
	Brown	**HBL5262LC1**	**HBL5262LC2**	**HBL5362LC1**	**HBL5362LC2**
	Gray	**HBL5262LC1GY**	**HBL5262LC2GY**	**HBL5362LC1GY**	**HBL5362LC2GY**
	Green	**HBL5262LC1GN**	**HBL5262LC2GN**	**HBL5362LC1GN**	**HBL5362LC2GN**
	Ivory	**HBL5262LC1I**	**HBL5262LC2I**	**HBL5362LC1I**	**HBL5362LC2I**
	Lt. Almond	**HBL5262LC1LA**	**HBL5262LC2LA**	**HBL5362LC1LA**	**HBL5362LC2LA**
	White	**HBL5262LC1W**	**HBL5262LC2W**	**HBL5362LC1W**	**HBL5362LC2W**

Note: See page E-31 for technical information. Special order for hospital grade devices.



HBL5362LC2W

Heavy Duty Control Unit

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

Description	Catalog Number
Auto or manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 6 ATD, ATU, ATP, AHP and AD2240 series sensors, heavy duty latching relay for reactive loads and automatic receptacle control.	**CU300HD**
Auto or Manual ON operation, 100-277V, AC 50/60Hz. Requires a CU300 series, heavy duty latching relay; suitable for automatic receptacle control applications.	**AAR20P**

Note: See page E-26 for technical specifications and wiring schematics.



CU300HD

Wireless

Switched Receptacles for Automatic Receptacle Control

		15A		20A	
Description	Color	Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Wireless receiver Auto ON/Auto OFF. Capable of controlling additional receptacles downstream.	Black	**HBL5262RFC1BK**	**HBL5262RFC2BK**	**HBL5362RFC1BK**	**HBL5362RFC2BK**
	Brown	**HBL5262RFC1**	**HBL5262RFC2**	**HBL5362RFC1**	**HBL5362RFC2**
	Gray	**HBL5262RFC1GY**	**HBL5262RFC2GY**	**HBL5362RFC1GY**	**HBL5362RFC2GY**
	Green	**HBL5262RFC1GN**	**HBL5262RFC2GN**	**HBL5362RFC1GN**	**HBL5362RFC2GN**
	Ivory	**HBL5262RFC1I**	**HBL5262RFC2I**	**HBL5362RFC1I**	**HBL5362RFC2I**
	Lt. Almond	**HBL5262RFC1LA**	**HBL5262RFC2LA**	**HBL5362RFC1LA**	**HBL5362RFC2LA**
	White	**HBL5262RFC1W**	**HBL5262RFC2W**	**HBL5362RFC1W**	**HBL5362RFC2W**

Note: See page E-31 for technical information. Special order for hospital grade devices.



HBL5262RFC1W

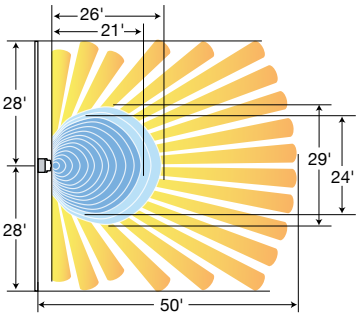
Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

Adaptive Technology Wall Switch Sensors

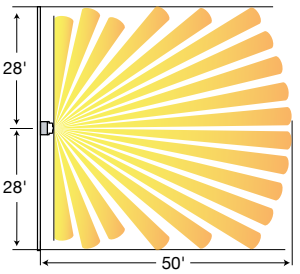
Electrical	AD2000, APD2000, AP2000 Series
Power Supply	120/277V AC, 50/60Hz
Load Capacity	
120V AC	800W Incandescent, 1000W Electronic Ballast, 5A LED
277V AC	1800W Electronic Ballast, 5A LED
Motor Load	1/6HP
Power Requirements	24V DC nominal, 33mA from Hubbell CU series control unit (AD2240 Series)
Agency Approvals	UL and cUL Listed
Physical	
Housing	High impact plastic (UL 94-5V)
Lens	Dual element pyrometer and 12 element cylindrical hard lens (AP2000 only)
Dimensions	Face 2.57"H x 1.71"W, 0.53"D (from wall out)
Mounting Height	42 to 54 inches above floor
Environmental	
Operating	32° F to 104°F (0°C to 40°C); 0% to 95% non-condensing relative humidity
Controls	
Time Delay	Digital, adaptive 4 to 30 minutes, 20 minutes default
Ambient Light	Adjustable ambient light override, 10 to 500 foot candles
Front Press Switch	Auto/OFF
Sensitivity	Adaptive 0% to 100%
Service Switch	Air gap OFF
Dimming	0-10V, Sink up to 30mA (APD2000 series only)
Sensing Indicator	
Passive Infrared	Red LED (AD & AP series only)
Ultrasonic	Green LED (AD & AU series only)

Wall Switches Coverage Patterns

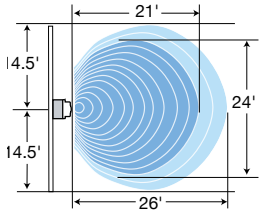
Minor Motion: Ultrasonic PIR
Major Motion: Ultrasonic PIR



AD2000 Series



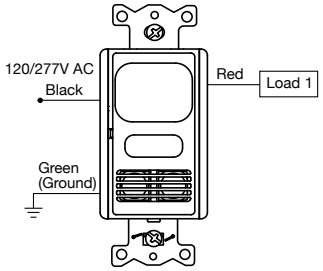
AP2000 Series



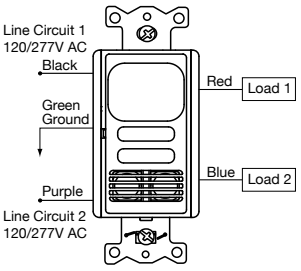
AU2000 Series

Wiring Schematic AD, AU, AP, 2000 Series Wall Switch Sensors

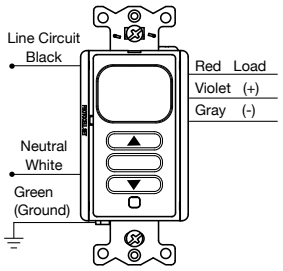
Single Circuit Wiring



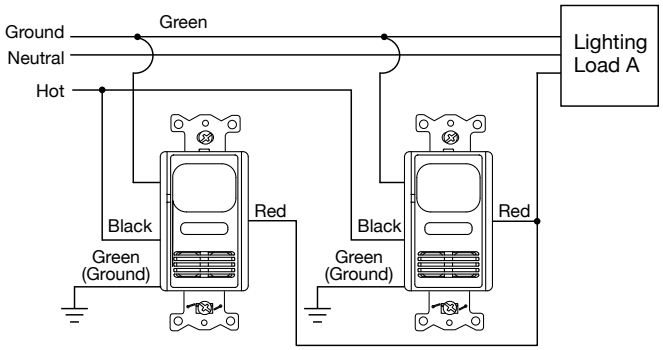
Two Circuit Sensor, Wired for Two Loads



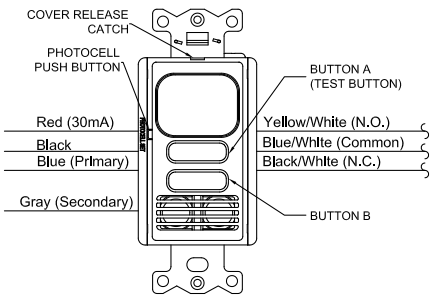
Wall Switch Sensors with Neutral Wires



Single Circuit Sensors, Wired as 3-Way Sensors*



Low Voltage Wall Switch Sensors*



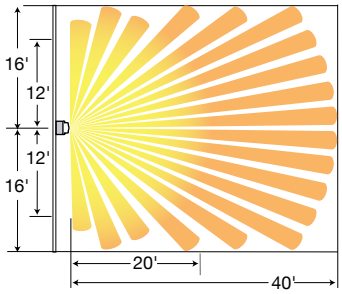
*Note: *Load can not exceed the rating of one switch.*
Sensor is shipped with all DIP switches in the OFF position (factory default).

Adaptive Technology PIR Wall Switches WS2000, WS1000 and WS1020 Series

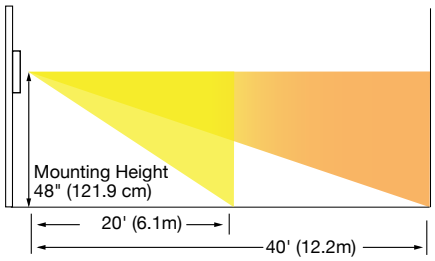
Electrical	WS2000 Series	WS1000/WS1020 Series
Power Supply	120/277V AC, 60Hz	120V AC, 60Hz
Load Capacity		
Incandescent	1000 watts	5A/600 watts
120V Ballast, CFL, LED	1000 watts, 1/6HP	5A/600 watts, 1/6HP
277V Ballast, CFL, LED	1800 watts	N/A
Agency Approvals	cULus Listed	cULus Listed
Warranty	5 years	5 years
Physical		
Housing	Flame retardant UL 94 V-0 ABS	
Lens	Polyethylene	
Dimensions	Face 2.59"H x 1.30"W, 0.61"D (from wall out)	
Mounting Height	42 to 54 inches above floor	
Environmental		
Operating	32°F to 122°F (0°C to 50°C) with rate of change not exceeding 20°F (11°C) per hour; 20% to 90% non-condensing relative humidity	
Storage	-40°F to 150°F (-40°C to 65°C); 20% to 90% non-condensing relative humidity	
Controls	**WS1000/WS2000 Series**	**WS1001/WS1020 Series**
Time Delay	Manual 6 seconds to 20 minutes	
Ambient Light	Digital, pushbutton, 10 to 500 foot candles	N/A
Front Press Switch	ON/OFF	ON/OFF
Service Switch	OFF (service) Vac (manual ON) Occ (auto ON)	OFF (service) ON (service)
Sensing Indicator		
Passive Infrared	Red LED	

Wall Switches Coverage Patterns

Minor Motion: PIR **Major Motion:** PIR



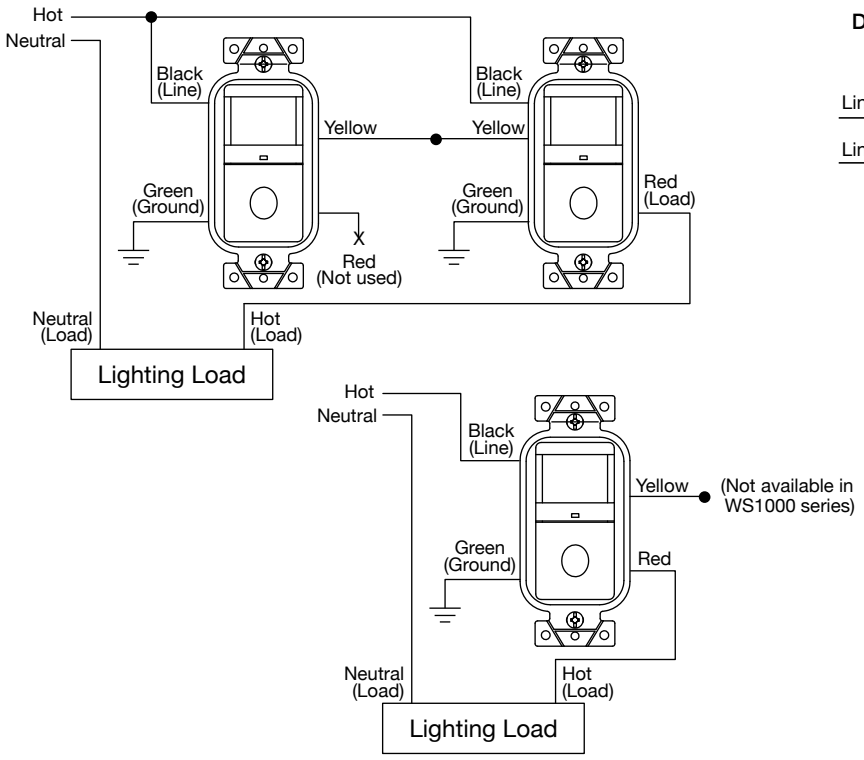
WS2000, WS1000 and WS1020 Series



Vertical Coverage
WS2000, WS1000 and WS1020 Series

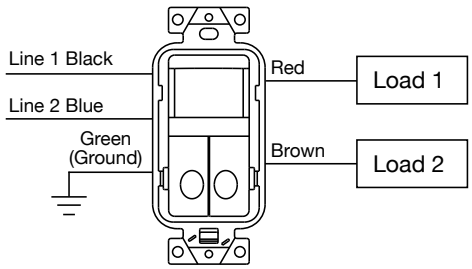
Wiring Schematic WS2000, WS1000 and WS1020 Series Wall Switches

WS2000 Series Wall Switch Sensors



WS1020 Series Wall Switch Sensors

Dual Circuit Sensor, Wired for Dual Circuits

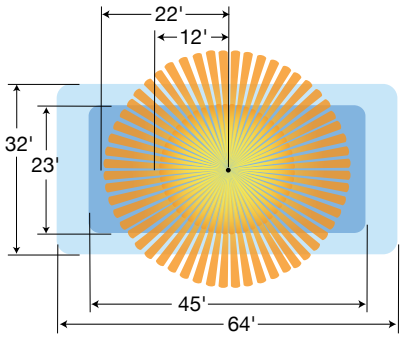


Adaptive Dual Technology, Ultrasonic and Passive Infrared Ceiling and Wall Mount Sensors
ATD, AHP and ATP Series

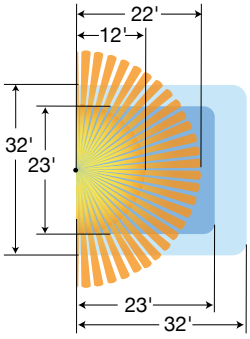
Electrical		
Power Requirements	24V DC nominal, 33mA from Hubbell CU series control unit	
Isolated Relay (sensors with RP suffix)	Relay: N/O + N/C contacts; 500mA rated @ 24V DC; 3-wire isolated relay	
Agency Approvals	UL and cUL Listed	
Physical	**Ceiling Sensors**	**Wall Mount Sensors**
Housing	Flame retardant UL 94 V-0 ABS	Flame retardant UL 94 V-0 ABS
Protection	NEMA 4X, when used with ACIPE	NEMA 4X, IP66, outdoor use rated (AHP only)
Lens	Polyethylene	Polyethylene
Dimensions	1.5"H x 4.5"Diameter	6"H x 2"W x 1.5"D
Color	Office white	Office white; Gray (AHP series)
Mounting Height	8 to 12 feet	8 to 12 feet, 8 to 30 feet (ATP120HB series)
Environmental		
Operating	32°F to 104°F (0°C to 40°C) with rate of change not exceeding 20°F (11°C) per hour; 0% to 95% non-condensing relative humidity	
	-40°F to 149°F (-40°C to 65°C) with rate of change not exceeding 20°F (11°C) per hour; 0% to 95% non-condensing relative humidity (AHP series)	
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 95% non-condensing relative humidity	
Controls		
Time Delay	Test (8 seconds), adaptive 8 to 40 minutes	
Ambient Light	1 to 1000 foot candles	
Sensitivity	Adaptive 0 to 100%	
Sensing Indicators		
Ultrasonic (ATD and ATU Series)	Green LED	
Passive Infrared (ATD, AHP and ATP Series)	Red LED	

Ceiling Sensors Coverage Patterns

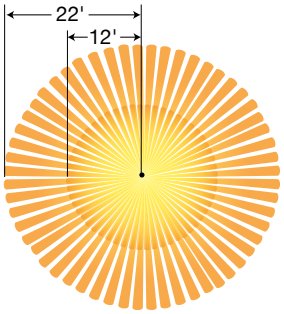
Minor Motion: Ultrasonic PIR **Major Motion:** Ultrasonic PIR



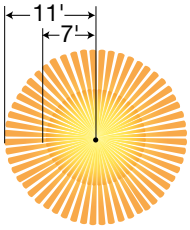
ATD2000C Series



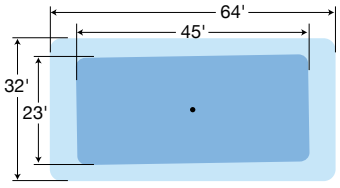
ATD1000C Series



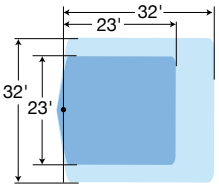
ATP1500C Series
AHP1500CRP Series



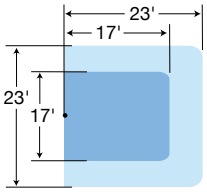
ATP600C Series



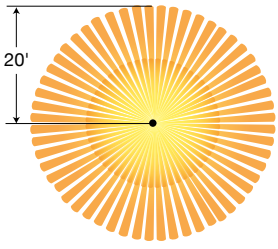
ATU2000C Series



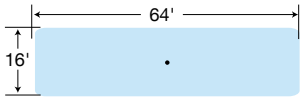
ATU1000C Series



ATU500C Series



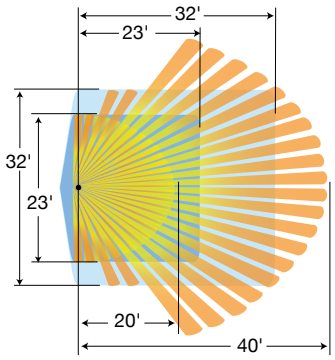
LVPR1500R(P)



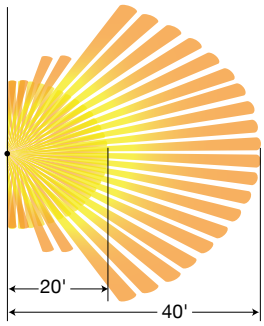
ATU2000C Series
Hallway Application

Wall Mount Sensors Coverage Patterns

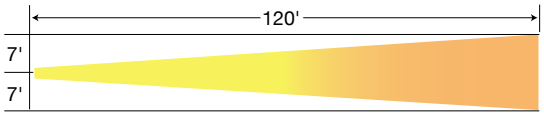
Minor Motion: Ultrasonic PIR **Major Motion:** Ultrasonic PIR



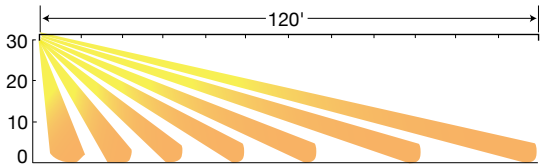
ATD1600W Series



ATP1600W Series
AHP1600WRP Series



ATP120HB Series
Top View



Side View

Control Units - CU300A or CU300M and CU300HD Series

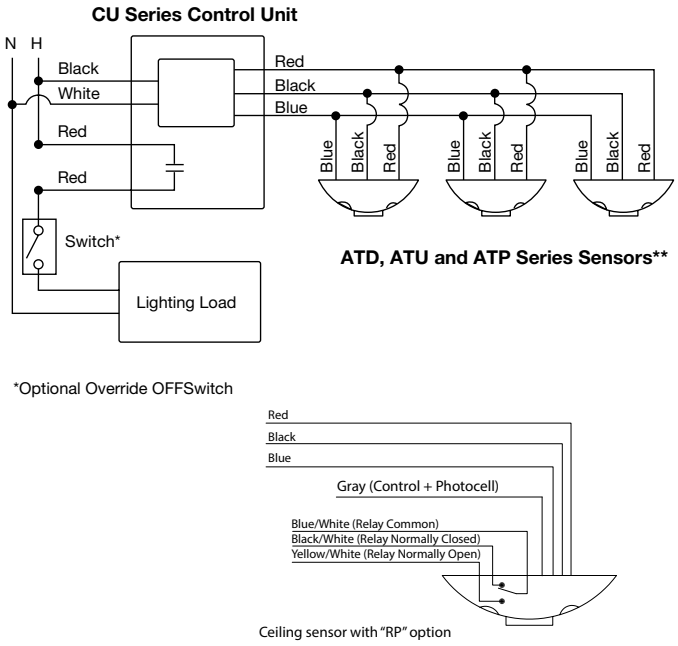
Electrical	CU300A or CU300M	CU300ELC	CU300HD
Power Supply	100-277V AC, 50/60Hz	100-277V AC	100-277V AC, 50/60Hz
Power Output	24V DC, 150mA	N/A	24V DC, 250mA
Load Capacity	16A, 8A LED	16A	20A
Motor Loads			
	1HP	1HP	1HP @ 120V 2HP @ 240/277V
AT Sensor/AAR Capacity	1 to 4 combined		1 to 6 combined
Agency Approvals	UL and cUL Listed	cULus Listed	cULus Listed
Physical			
Housing	Flame retardant UL94-5VA thermoplastic	Flame retardant UL94-5VA thermoplastic	
Dimensions	3.69"L x 2.33"W x 1.36"H	4.00"L x 3.4"W x 1.73"H	
Color	Black	Black	
Environmental			
Operating	32°F to 104°F (0°C to 40°C); 0% to 90% non-condensing relative humidity		-40°F to 149°F (-40°C to 65°C). Below 32°F (0°C) must use suitably rated non-metallic enclosure. 0% to 90% humidity, non-condensing
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 90% non-condensing relative humidity		

Add-A-Relay Control Units

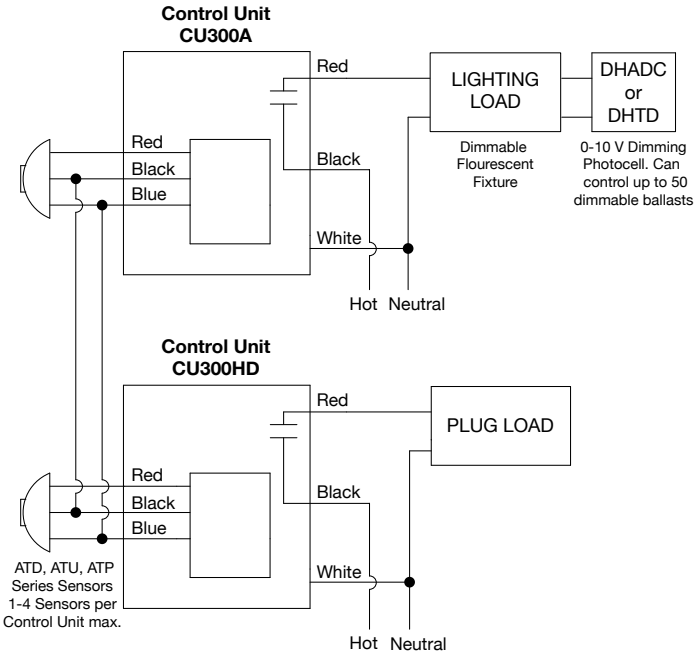
Electrical	AAR	AAR20P
Power Input	24V DC nominal, 33mA from Hubbell CU series control unit	24V DC nominal, 50mA from Hubbell CU300HD series control unit
Load Capacity	16A, 120/277V AC, 8A LED	20A, 100-277V AC
Motor Loads	1800 watts	Motor Loads
1HP @ 120V	2400 watts	1HP @ 120V
2HP @ 240/277V	2400 watts	2HP @ 240/277V
Operation Mode	Auto ON/Auto OFF	Selectable Auto ON/Auto OFF or Manual ON/Auto OFF
Agency Approvals	UL and cUL Listed	cULus Listed
Physical		
Housing	Flame retardant UL94-5V thermoplastic	Flame retardant UL94-5VA thermoplastic
Dimensions	3.69"L x 2.33"W x 1.36"H	4.00"L x 3.4"W x 1.73"H
Color	Black	Black
Environmental		
Operating	32°F to 104°F (0°C to 40°C); 0% to 90% non-condensing relative humidity	-40°F to 149°F (-40°C to 65°C). Below 32°F (0°C) must use suitably rated non-metallic enclosure. 0% to 90% humidity, non-condensing
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 90% non-condensing relative humidity	

Ceiling and Wall Mount Sensors ATD, ATP Series

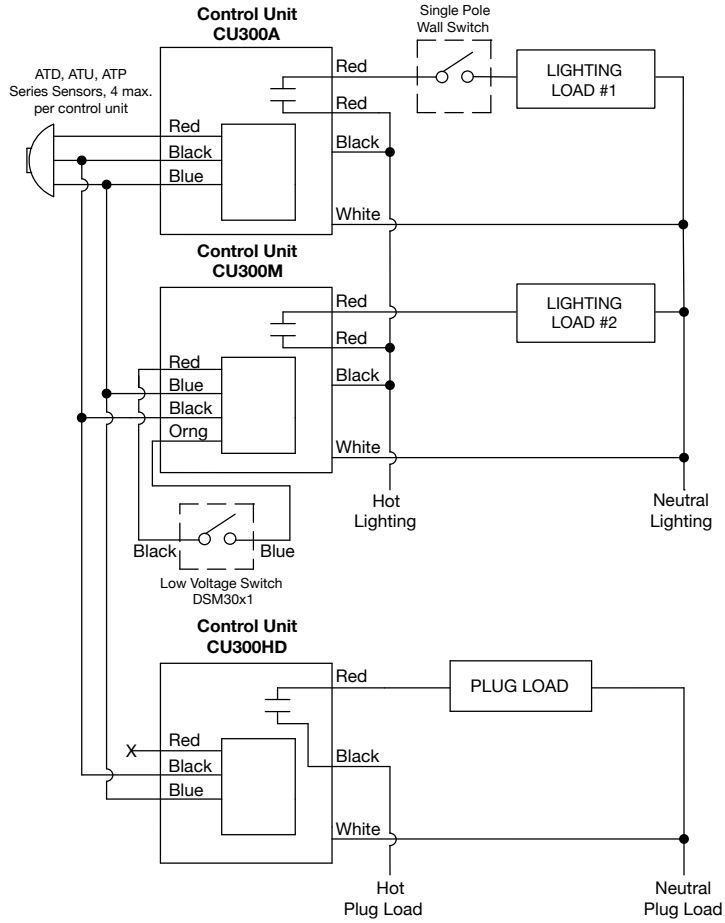
Single lighting circuit 1 to 4 sensors wired to control unit with optional override OFF switch application.



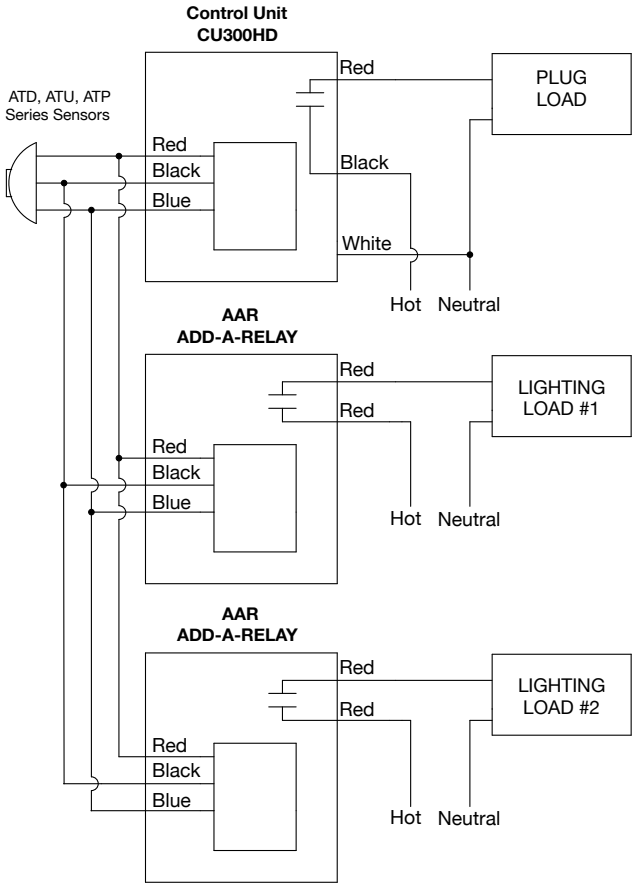
Single lighting circuit with 0-10V dimming and automatic receptacle control application.



Bi-level lighting circuit and automatic receptacle control application.



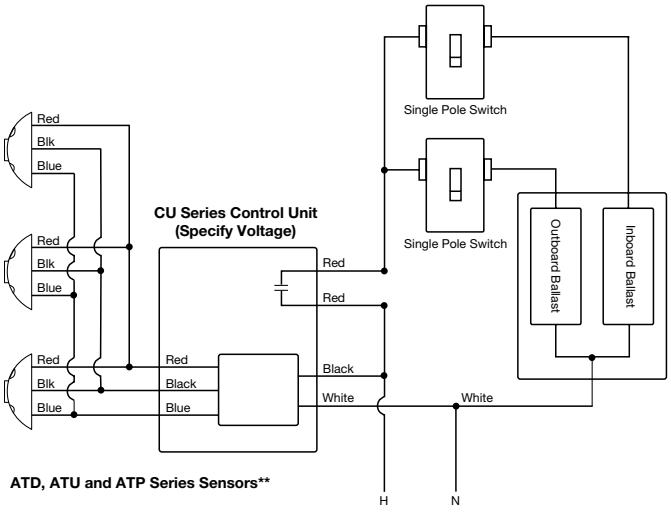
Two lighting circuits and automatic receptacle control application.



Adaptive Technology Dual, Ultrasonic, and Passive Infrared Ceiling and Wall Mount Sensors ATD, ATU and ATP Series

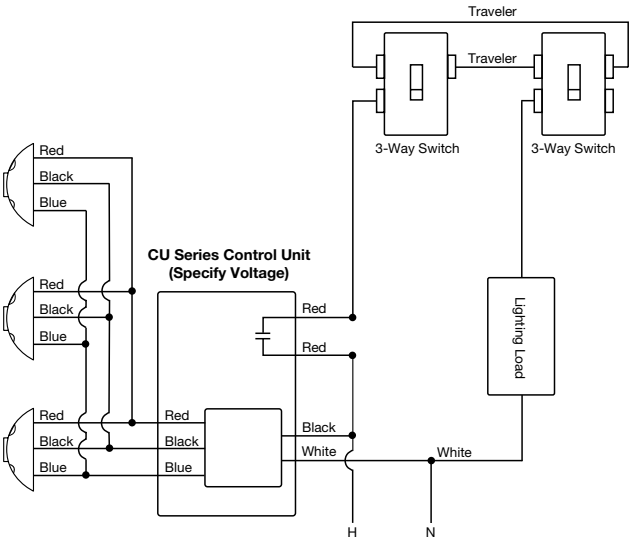
Single Circuit, Dual Level Switching Application:

1 to 4 sensors wired to control unit with optional override off switches.



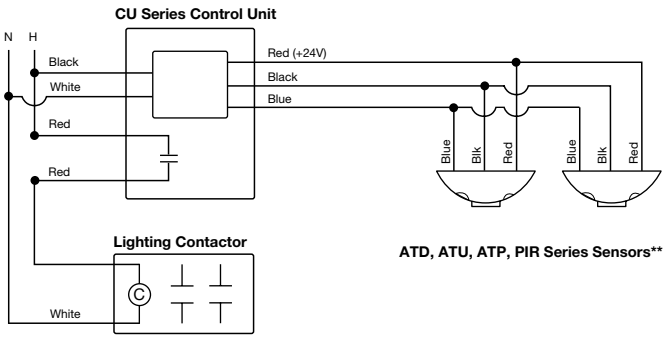
Single Circuit, 3-Way Switching Application:

1 to 4 sensors wired to control unit with optional override off switches.



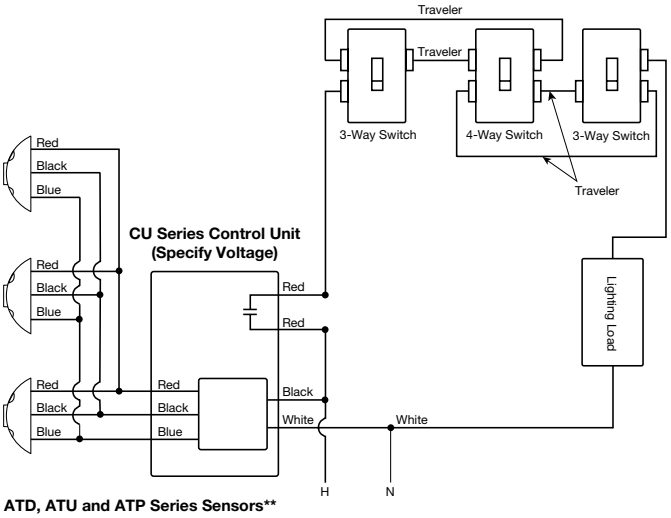
Multi-Circuit Application:

1 to 4 sensors wired to control unit that is wired to a multi-pole lighting contactor.



Single Circuit, 4-Way Switching Application:

1 to 4 sensors wired to control unit with optional override off switches.



*Note: **For wiring sensors with isolated relay and photocell option (models with "RP" suffix): Photocell Option: Cap off Blue sensor wire. Connect Gray sensor wire to Blue control unit wire. Isolated Relay Option: Common-Blue/White wire, Normally Closed-Black/White wire, Normally Open-Yellow/White wire.*

OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors

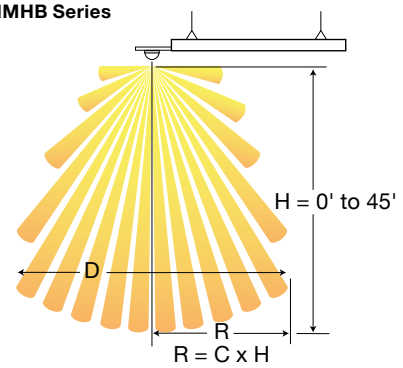
User Interface	(1) twelve pin DIP switch
Timer time-outs	Primary: 8-second test mode, 4, 8, 16 and 30 minute time-outs Secondary: (Can be disabled) 30, 60 and 90 minute time-outs
Passive infrared	Dual element pyrometer and spherical Fresnel lens
Daylight sensor	Dual element pyrometer and spherical Fresnel lens designed for robust detection of a walking person*
Coverage	360° lens provided, 180° aisle and end-of-aisle lenses also available
Load ratings (Line voltage units)	120V AC: 800W ballast or tungsten, 5 LED 277V AC: 1200W ballast, 5 LED 347V AC: 1500W ballast 208/240V AC: 1200W ballast 480V AC: 2400W ballast ¼ HP motor load @ 120V AC, ⅙ HP @ 347V AC
Low voltage sensors (Output)	24V DC nominal, 33mA from Hubbell CU series control unit Relay: N/O + N/C contacts; 500mA rated @ 24V DC; 3-wire isolated relay
0-10V Dimming	Capable of sinking up to 30mA (Dimming series)
Dimming presets unoccupied	70%, 60%, 50%, 20% (Dimming series)
Full OFF timer delay enabled	After 60 minutes in the Unoccupied low level state, sensor will turn lighting OFF
Full OFF timer delay disabled	Sensor will maintain low level setting when there is no occupancy (Dimming series)
Operating environment	Indoor use only models Operating temperature: (standard version) 32°F to 149°F (0°C to 65°C); Relative humidity (non-condensing): 0% to 95%
	Indoor and outdoor use (Watertight) IP65 models HBSXT series Operating temperature: -40°F to 149°F (-40°C to 65°C)
Construction	Casing: High-impact injection-molded thermoplastic
Size and weight	Size: 4.0" Diameter x 1.5" Height; Weight: 7 oz.
Color	White
Mounting	Mounts directly to end of a fixture through an extended ½ inch chase nipple for deeper body fixtures, an optional Extender Adapter (HMHBSA available separately) positions the sensor flush or below the bottom of the reflector for a full field of view
Certifications	cULus Listed, indoor models
	Conforms to UL STD 508, UL STD 244A, and IP65 (Watertight) models HBSXT series
Warranty	5 year limited

*Note: *When used with program start ballast, a 1-2 second delay from occupancy detection to lamp turn-on may be experienced.*

Coverage Pattern

Minor Motion: PIR **Major Motion:** PIR

HMHB Series



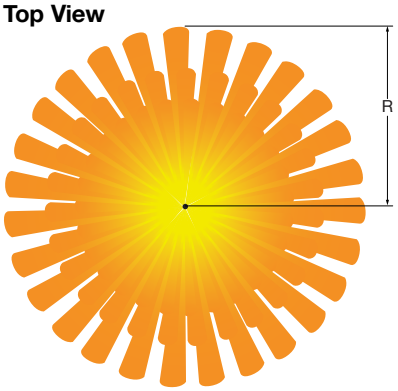
Lens Coverage
C = 1.4 @ 00–30 and 1.1 @ 30–45 (FT)

Height (H)	Radius (R)	Diameter (D)
18	25.2	50.4
20	28	56
24	33.6	67.2
28	39.2	78.4
30	42	84
32	35.2	70.4
36	39.6	79.2
40	44	88
42	46.2	92.4
45	49.5	99

OPTIMYZER® Low Mount Lens Modification Coverage Patterns

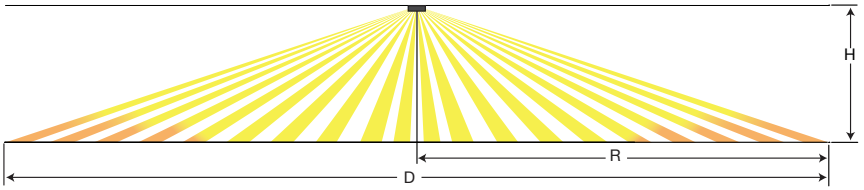
Minor Motion: PIR **Major Motion:** PIR

Top View



LBRL360

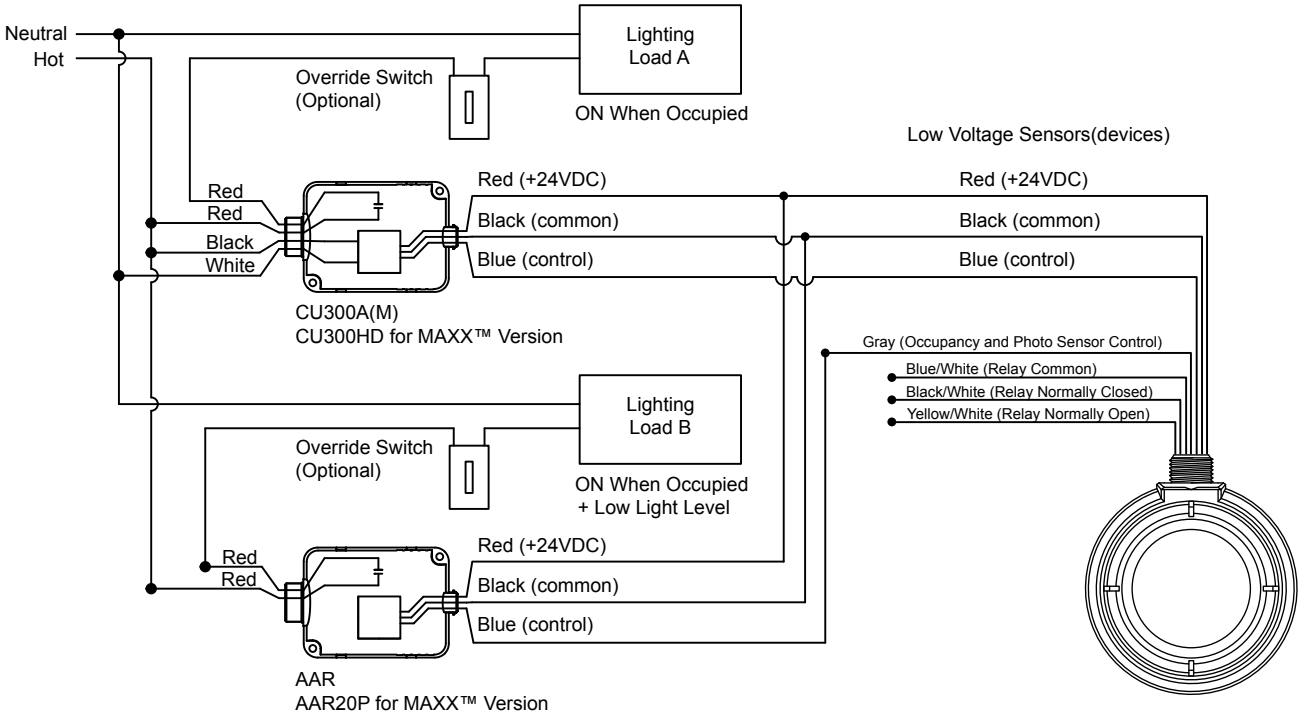
Side View

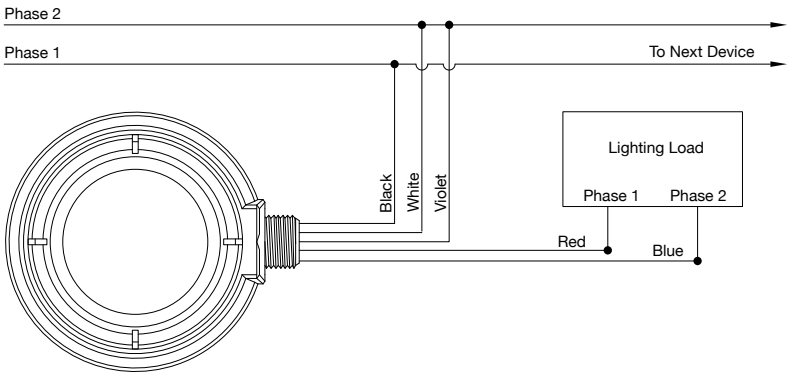


Lens Coverage
3:1 Ratio (FT)

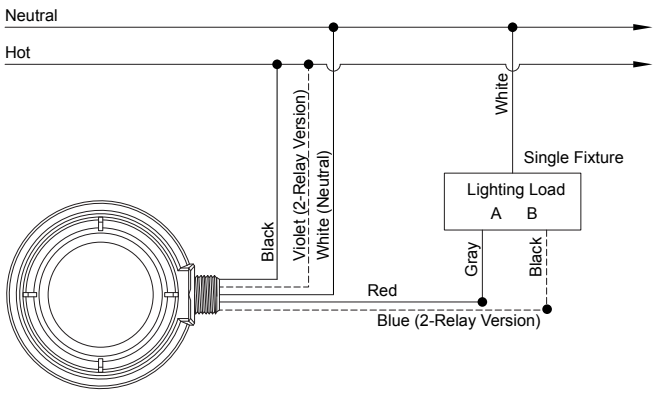
Height (H)	Radius (R)	Diameter (D)
8	24	48
10	30	60
12	36	72
14	42	84
16	48	96

OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors, Low Voltage Sensor with Control Unit

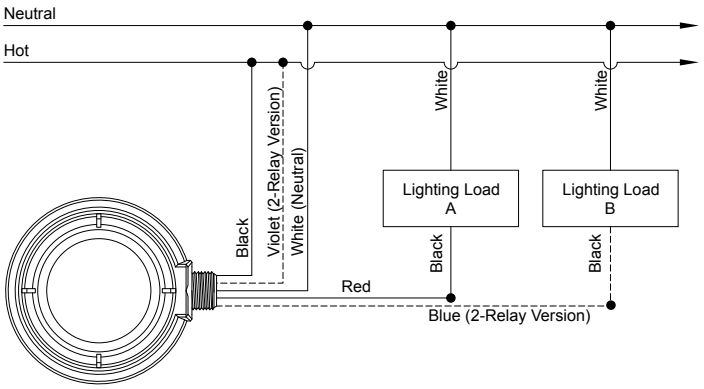




OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors, Dual Relay, Single Fixture



OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors, Dual Relay, Two Fixtures





HBL5362LC2W



HBL2172LC2W

HBL® Heavy Duty Style Line® Specification Grade and Hospital Grade Straight Blade Switched Duplex Receptacles

Specifications

Receptacle	Part	Description
Typical Specification - Catalog No. HBL5262LC1, HBL2172LC1	Receptacle	15A (Always Hot), 8.3A (Switched)
Manufacturer's Identification - Hubbell HBL5262LC1 Receptacle	Top	Nylon
Description - Straight Blade Switched Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire Grounding	Power Contacts	0.031 in. (0.8) Brass
Rating - Uncontrolled (Always Hot) 15A, 125V	Wire Clamp	0.062 in. (1.6) Steel-Nickel Finish
- Controlled (Switched) Tungsten 8.3A, CFL & LED: 3.75A	Mounting Strap	0.047 in. (1.2) Brass
Motor Load: 1/2HP	Line Terminal Screws	#8-32 Brass, Multiple Drive
Certification - cULus 498B SA: UL File No. E481574	Ground Screw	#8-32 Brass, Multiple Drive
Fed. Spec. WC596G	Center Assembly Staple	0.040 in. (1) Steel (Galvanized)
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Specifications

Receptacle	Part	Description
Typical Specification - Catalog No. HBL5362LC1, HBL2182LC1	Receptacle	20A (Always Hot), 12.5A (Switched)
Manufacturer's Identification - Hubbell HBL5362LC1 Receptacle	Top	Nylon
Description - Straight Blade Switched Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire Grounding	Power Contacts	0.031 in. (0.8) Brass
Rating - Uncontrolled (Always Hot) 20A, 125V	Wire Clamp	0.062 in. (1.6) Steel-Nickel Finish
- Controlled (Switched) Tungsten 12.5A, CFL & LED: 5A	Mounting Strap	0.047 in. (1.2) Brass
Motor Load: 1HP	Line Terminal Screws	#8-32 Brass, Multiple Drive
Certification - cULus 498B SA: UL File No. E481574	Ground Screw	#8-32 Brass, Multiple Drive
Fed. Spec. WC596G	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical (Always Hot Receptacle)	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V AC
Current Interrupting	Certified for current interrupting at full current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green).
Terminal Accomodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental	
Flammabilty	UL94V-2
Operating Temperature	32°F (0°C) to 104°F (40°C)

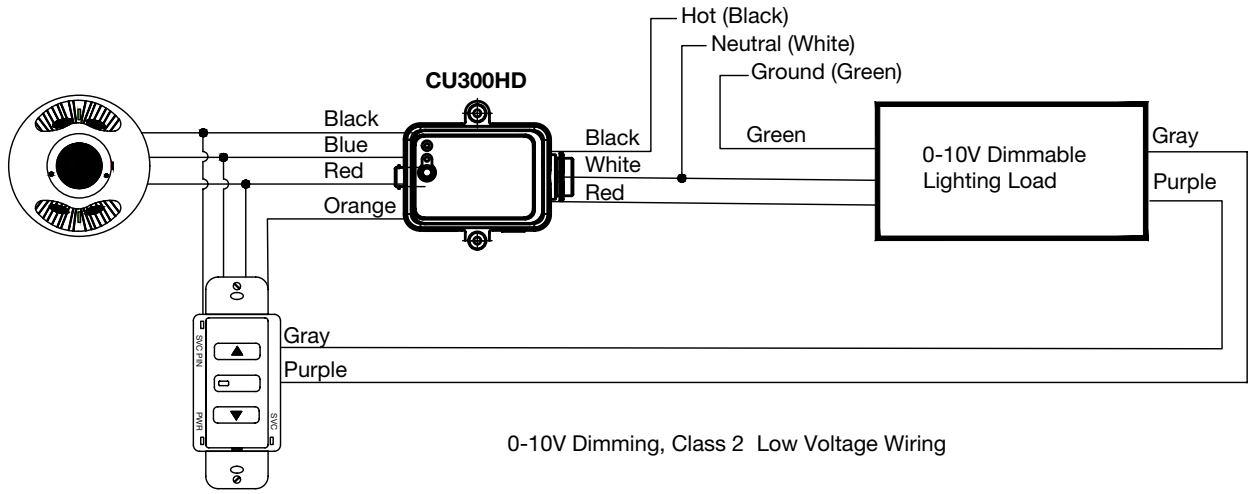
Low Voltage Switches with 0-10V Dimming

Specifications

Base Catalogs: DSM30xx, DSL30xx, DSC010xx, DSM010xx, DSL010xx
Compatible with Hubbell Wiring Device-Kellems CU300HD, CU300M control units, AAR20P relay packs.
0-10V Dimming Series compatible with IEC60929 Annex E.2 compliant LED Drivers
Accepts Hubbell Wiring Device-Kellems NPS26 and NP26 series decorator style wall plates (Not Included)
Two-year warranty

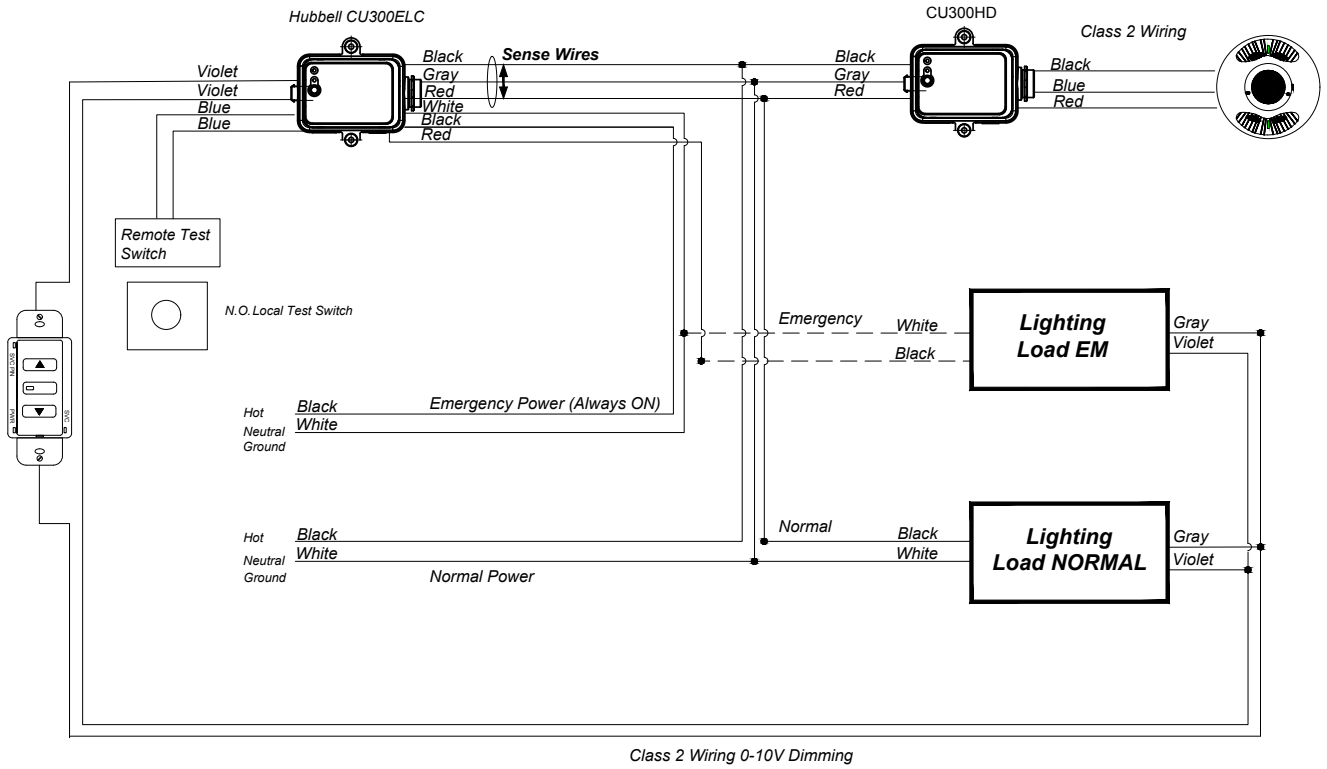
Electrical Ratings

100mA @ 30VDC
0-10V Dimming Series: Current Sinking Capacity: 100mA
Available in Latching, Momentary, and Combination (DSC010series) of both configurations



Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

CU300ELC Unit Wired with Control Unit CU300HD



SECTION F

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Circuit-Lock® Unfused Disconnect Switches



Fused Disconnects, MotorQuick® and VFDs



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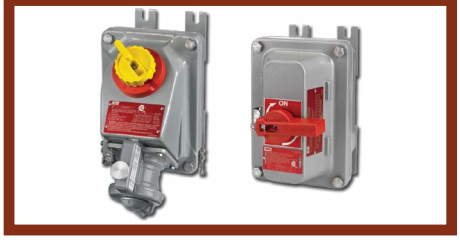

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Products at a Glance

UL508/UL60947 Circuit-Lock® Motor Disconnects



Labelless Circuit-Lock® Disconnect Switches

- Non-metallic and stainless steel options
- Available in 30, 60 and 100 Amp versions
- IP69k and Type 4X, 12K water ingress protection
- Permanent labelless markings
- Available with six highly visible LED Indicators
- Certified by NSF for hygiene in Food Processing applications
- Highly visible red handle which meets OSHA LO/TO capabilities
- Accepts up to 2 auxiliary contacts
- Cover cannot be removed with switch in the “ON” position





Enhanced Features:

- **inSIGHT** - LED indicators provide visual confirmation of power by phase
- **MotorQuick®** - Plug and play functionality to reduce Total Cost of Ownership
- **VFDs** - Factory installed auxiliary contact for safe disconnecting in VFD applications
- **JOG** - Factory installed Jog switch for point of use communication to PLC/VFD
- **Stainless Steel Sloped Top** - 15° rounded top aids run-off by minimizing horizontal surfaces



UL98 Circuit-Lock® Motor Disconnects



200A Circuit-Lock® Disconnect Switches

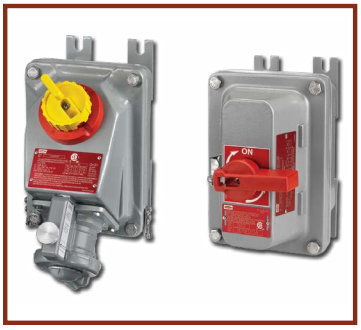
- Non-metallic & stainless steel
- Type 4X, 12
- Accepts up to 2 auxiliary contacts
- OSHA Compliant Lockout/ Tagout handle
- Unable to open the cover when “ON”; cover locked when energized



Circuit-Lock® 30 and 60 Amp Fused Disconnect Switches

- Non-metallic enclosure meets UL 50E Type 4X (watertight) 12 (dust-tight) and IP66 suitability requirements
- Removable door for ease of wiring and installation
- Switch accepts Class “J” fuses and up to 2 auxiliary contacts

UL98 and UL508 Disconnect Switches



Hazardous Locations

- Compact NEMA 4X enclosure and footfrint allows easy installation in tight locations
- Top and bottom drilled and tapped conduit entrances
- For use as motor disconnects

UL508 Switches



Disconnect Switches

- Thermoset body provides high resistance to electrical arc tracking
- Withstands high temperatures
- Provides long-life reliability

New Innovations

Circuit-Lock® 30A Disconnects with LED Indicators

Hubbell's new 30A Circuit-Lock Disconnect with integral phase indication LEDs redefines the benchmark for safety by providing insight into the enclosure while in use. Six highly visible LEDs (3 line side/3 load side) communicate the electrical status of the switch by phase. This voltage detection feature significantly improves existing safety and maintenance procedures by visually providing personnel critical information prior to removing the enclosure cover; e.g. a welded contact or dropped phase.

Hubbell inSIGHT™ phase indicating disconnect switches are available in non-metallic and stainless steel versions. Replacement covers are available for upgrades to existing installations. With an ever growing focus on safety improvements Hubbell inSIGHT™ disconnects provide a difference you literally can see.

inSIGHT™

Insight (n): the power or act of seeing into a situation





Housing Design

- Six highly visible integral phase identification LEDs provide secondary means of visual confirmation of make/break on all phases
- Available in non-metallic, stainless steel and jog switch versions
- IP69k and Type 4X, 12K water ingress protection



Safety

- High visibility red handle can be locked in the OFF position to comply with OSHA Lockout/Tagout requirements
- Quickly upgrade the safety of existing installations with an inSIGHT™ replacement cover
- Verification of opening of load side contacts



Unfused Disconnect Switches with LEDs

Description	30 Amp	60 Amp	100 Amp
Non-Metallic disconnect switch with LEDs	**HBLDS3P**	**HBLDS6P**	**HBLDS10P**
Non-Metallic disconnect switch with HBLAC1 auxiliary contact	**HBLDS3PAC**	**HBLDS6PAC**	**HBLDS10PAC**
Non-Metallic disconnect switch with HBLAC2 auxiliary for use with VFDs	**HBLDS3PVFD**	—	—
Stainless Steel square top disconnect switch with LEDs	**HBLDS3SSP**	**HBLDS6SSP**	**HBLDS10SSP**
Stainless Steel square top disconnect switch with HBLAC1 auxiliary contact	—	**HBLDS6SSPAC**	**HBLDS10SSPAC**
Stainless Steel sloped top disconnect switch with LEDs	**HBLDS3SSRP**	**HBLDS6SSRP**	**HBLDS10SSRP**
Stainless Steel sloped top disconnect switch with HBLAC1 auxiliary contact	—	**HBLDS6SSRPAC**	**HBLDS10SSRPAC**

*Note: *Certified by NSF, International.*
For use with 3Ø Y configurations only.



HBLDS3P



HBLDS3SSRP

Auxiliary Contacts

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1****
"Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives.	**HBLAC2****

Features and Benefits

Non-Metallic Labelless Circuit-Lock® Switched Disconnect Enclosures

NEC section 430.102(B) requires each motor controller to have a disconnect within line of sight from the motor and driven equipment. Hubbell's Circuit-Lock® Unfused Disconnect Switches are UL listed as a manual motor controller and also "suitable as a motor disconnect" and meet these code requirements.

- Constructed from corrosion and impact resistant UV stabilized non-metallic material
- IP69k and Type 4X,12K water ingress protection
- Certified by NSF for hygiene in food processing applications
- Highly visible red handle which meets OSHA Lockout/Tagout capabilities
- Cover cannot be removed with switch in the "ON" position
- Accepts up to 2 Auxiliary contacts
- Reversible interior accomodates top or bottom conduit opening



Enhanced Features:

- Adjustable mounting feet are now 40% stronger to help prevent nuisance breakage
- Product ratings are permanently laser-marked to the HBLDS3 devices and will not wash off
- Truly captive screws prevent lost screws
- Now shipped from factory as bottom feed for quicker installation in 4X applications



LED Indicators

- Six highly visible integral phase identification LEDs
- External LEDs provide secondary means of visual confirmation of make/break on all phases



Variable Frequency Drive (VFD)

- Integrates a verified break before break auxiliary contact factory installed in our HBLDS series
- Prevents downtime from out of sequence equipment shutdowns



Jog Switch

- Cost savings by utilizing existing space in the motor disconnect enclosure reducing parts and labor costs
- Convenience by having point of use control circuit to PLC within line of sight of the motor
- Added safety by allowing maintenance personnel the functionality to "Try Out" after Lockout/Tagout



MotorQuick® Version

- Significantly reduces the time it takes to replace motors by combining the plug-and-play technology of the LINKOSITY® power system
- Motor rotation can be pre-checked in a maintenance shop to further speed the installation

Non-Metallic Labelless Circuit-Lock® Switched Disconnect Enclosures*

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	**HBLDS3**	**HBLDS6**	**HBLDS10**
Disconnect switch with HBLAC1 auxiliary contact.	**HBLDS3AC**	**HBLDS6AC**	**HBLDS10AC**
Disconnect switch for use with variable frequency drives.	**HBLDS3VFD**	**HBLDS6VFD**	**HBLDS10VFD**
Disconnect switch without conduit knockout or conduit fitting.	**HBLDS3NK**	—	—
Disconnect switch with HBLAC1 auxiliary contact without conduit knockout or conduit fitting.	**HBLDS3ACNK**	—	—
Disconnect switch with 3 auxiliary contacts, without conduit knockouts. Break before main break – 1 set "normally open", 1 set "normally closed". Break after main break – 2 sets "normally open", 1 set "normally closed".	**HBLDS33ACNK**	—	—



HBLDS3

Non-Metallic Labelless Disconnects with Jog Switch*

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	**HBLDS3J**	**HBLDS6J**	**HBLDS10J**
Disconnect switch with HBLAC1 auxiliary contact.	**HBLDS3ACJ**	—	—
Disconnect switch for use with variable frequency drives.	**HBLDS3VFDJ**	—	—
Disconnect switch with Jog switch and LEDs.	**HBLDS3PJ**	**HBLDS6PJ**	**HBLDS10PJ**



HBLDS3VFD

Unfused Disconnect Switches with LEDs*

Description	30 Amp	60 Amp	100 Amp
Non-Metallic disconnect switch with LEDs	**HBLDS3P**	**HBLDS6P**	**HBLDS10P**
Non-Metallic disconnect switch with HBLAC1 auxiliary contact	**HBLDS3PAC**	**HBLDS6PAC**	**HBLDS10PAC**

*Note: *Certified by NSF, International.*
LED version for use with 3Ø Y configurations only.



HBLDS3J

Auxiliary Contacts for 30, 60 and 100 Amp Switch, NEMA A600 Pilot Duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1****
"Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives.	**HBLAC2****

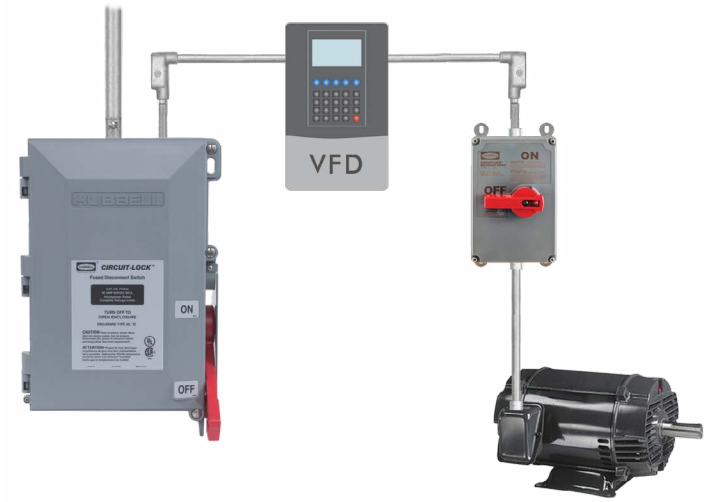
*Note: **Up to two auxiliary contacts per enclosure. Not for use with HBLDS33ACNK.*
30A Units are supplied with one ¾ in. NPT Raintight conduit fitting.
60A and 100A Units are supplied with two 1¼ in. NPT Raintight conduit fittings.



HBLDS3P

Variable Frequency Drive Diagram

When installing a disconnect in series with a VFD it is critical to include the correct auxiliary contact. Through extensive testing, Hubbell has determinted the timing of our early break auxiliary contact HBLAC2 safely disconnects the power by signaling the VFD that the motor disconnect is being turned OFF. The VFD then executes a coast-to-stop preventing any damage to the disconnect switch and the VFD output device.




HBLAC1


HBLAC2

Features and Benefits

Stainless Steel Circuit-Lock® Unfused Switched Disconnect Enclosures*

NEC section 430.102(B) requires each motor controller to have a disconnect within line of sight from the motor and driven equipment. Hubbell's Circuit-Lock® Unfused Disconnect Switches are UL listed as a manual motor controller and also "suitable as a motor disconnect" and meet these code requirements.

- Formed in nonporous 304 stainless steel
- IP69k and Type 4X,12K water ingress protection
- Certified by NSF for hygiene in food processing applications
- Fixed offset 1/4 inch mounting feet meet NEC airspace requirements for metal enclosures
- Labelless markings on the cover
- Highly visible red handle which meets OSHA Lockout/Tagout capabilities
- Cover cannot be removed with switch in the "ON" position
- Accepts up to 2 Auxiliary contacts





More than ever food and beverage processing facilities see the value of investing in intelligent design and following best practices in hygiene.

The sloped top enclosure is consistent with these best practices. Horizontal surfaces have been minimized to assist with getting it clean and keeping it clean.



LED Indicators

- Six highly visible integral phase identification LEDs
- External LEDs provide secondary means of visual confirmation of make/break on all phases



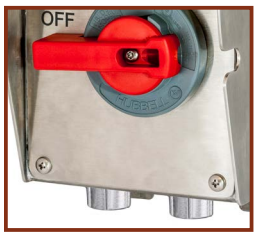
Housing Design

- Sloped top design sheds water and debris
- Fully shrouded handle prevents damage to the handle
- Captive screws prevent lost screws



Jog Switch

- Cost Savings by utilizing existing space in the motor disconnect enclosure reducing parts and labor costs
- Convenience by having point of use control circuit to PLC within line of sight of the motor
- Added Safety by allowing maintenance personnel the functionality to "Try Out" after Lockout/Tagout



Labor Savings

- 15° Sloped Top version available pre-drilled with ¾ inch stainless steel hubs for bottom feed applications
- Ample gutter space for hassle free installation

Stainless Steel Circuit-Lock® Unfused Switched Disconnect Enclosures*

Description	30 Amp	60 Amp	100 Amp
Square Top disconnect switch.	**HBLDS3SS**	**HBLDS6SS**	**HBLDS10SS**
Square Top disconnect switch with HBLAC1 auxiliary contact.	**HBLDS3SSAC**	**HBLDS6SSAC**	**HBLDS10SSAC**
Square Top disconnect switch for use with variable frequency drives.	**HBLDS3SSVFD**	**HBLDS6SSVFD**	**HBLDS10SSVFD**
Sloped Top disconnect switch.	**HBLDS3SSR**	**HBLDS6SSR**	**HBLDS10SSR**
Sloped Top disconnect switch with HBLAC1 auxiliary contact.	**HBLDS3SSRAC**	**HBLDS6SSRAC**	**HBLDS10SSRAC**
Sloped Top disconnect switch for use with variable frequency drives.	**HBLDS3SSRVFD**	**HBLDS6SSRVFD**	**HBLDS10SSRVFD**
Sloped Top disconnect, Pre-drilled 4X with (2) ¾ inch stainless steel hubs.	**HBLDS3SSR2K**	—	—
Sloped Top enclosure, Blank.	**HBLDSSRNK3**	**HBLDSSRNK6**	—



HBLDS3SS

Stainless Steel Disconnects with Jog Switch

Description	30 Amp	60 Amp	100 Amp
Square Top disconnect	**HBLDS3SSJ**	**HBLDS6SSJ**	**HBLDS10SSJ**
Square Top disconnect with Jog switch and LEDs	—	**HBLDS6SSPJ**	**HBLDS10SSPJ**
Sloped Top disconnect	**HBLDS3SSRJ**	**HBLDS6SSRJ**	**HBLDS10SSRJ**
Sloped Top disconnect with Jog switch and LEDs	**HBLDS3SSRPJ**	**HBLDS6SSRPJ**	**HBLDS10SSRPJ**



HBLDS3SSJ

Unfused Disconnect Switches with LEDs

Description	30 Amp	60 Amp	100 Amp
Stainless Steel square top disconnect switch with LEDs	**HBLDS3SSP**	**HBLDS6SSP**	**HBLDS10SSP**
Stainless Steel square top disconnect switch with HBLAC1 auxiliary contact	—	**HBLDS6SSPAC**	—
Stainless Steel sloped top disconnect switch with LEDs	**HBLDS3SSRP**	**HBLDS6SSRP**	**HBLDS10SSRP**
Stainless Steel sloped top disconnect switch with HBLAC1 auxiliary contact	—	**HBLDS6SSRPAC**	**HBLDS10SSRPAC**

*Note: *Certified by NSF, International.*
For use with 3Ø Y configurations only.



HBLDS3SSR

Stainless Steel Conduit Hubs

Description	Catalog Number
¾ inch stainless steel conduit hub.	**HUB75SS**
1¼ inch stainless steel conduit hub.	**HUB125SS**



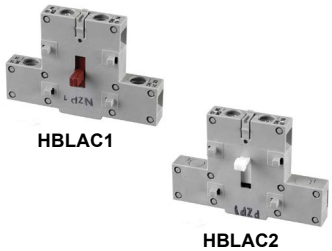
HBLDS3SSRPJ

Auxiliary Contacts for 30, 60 and 100 Amp Switch, NEMA A600 Pilot Duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1****
"Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives.	**HBLAC2****

*Note: *Certified by NSF, International.*
***Up to two auxiliary contacts per enclosure. Not for use with HBLDS33ACNK.*
30A Units are supplied with one ¾ in. NPT Raintight conduit fitting.
60A and 100A Units are supplied with two 1¼ in. NPT Raintight conduit fittings.


HUB125SS
HUB75SS


HBLAC1
HBLAC2


HBLDSSRNK3

IP66
SUITABILITY



HBLDS3RCP

Non-Metallic Replacement Covers

Description		30 Amp	60 Amp	100 Amp
For disconnect switches.	Standard	**HBLDS3RC**	**HBLDS6RC**	**HBLDS10RC**
	with LEDs.	**HBLDS3RCP**	**HBLDS6RCP**	**HBLDS10RCP**
	with Jog switch.	**HBLDS3RCJ**	**HBLDS6RCJ**	**HBLDS10RCJ**
	with LEDs and Jog.	**HBLDS3RCPJ**	**HBLDS6RCPJ**	**HBLDS10RCPJ**



HBLDS3RCJ

Stainless Steel Replacement Covers

Description		30 Amp	60 Amp	100 Amp
For square top disconnect switches.	Standard	**HBLDS3SSRC**	**HBLDS6SSRC**	**HBLDS10SSRC**
	with LEDs.	**HBLDS3SSRCP**	**HBLDS6SSRCP**	**HBLDS10SSRCP**
	with Jog switch.	**HBLDS3SSRCJ**	**HBLDS6SSRCJ**	**HBLDS10SSRCJ**
	with LEDs and Jog.	—	**HBLDS6SSRCPJ**	**HBLDS10SSRCPJ**
For sloped top disconnect switches.	Standard	**HBLDS3SSRRC**	**HBLDS6SSRRC**	**HBLDS10SSRRC**
	with LEDs.	**HBLDS3SSRRCP**	**HBLDS6SSRRCP**	**HBLDS10SSRRCP**
	with Jog switch.	**HBLDS3SSRRCJ**	**HBLDS6SSRRCJ**	**HBLDS10SSRRCJ**
	with LEDs and Jog.	—	**HBLDS6SSRRCPJ**	**HBLDS10SSRRCPJ**



HBLDS3SSRC

Replacement Ground Block

Description	Catalog Number
For 30A switches.	**HBL30RGB**
For 60A and 100A switches.	**HBL60100RGB**

Replacement Neutral Block

Description	Catalog Number
For 30A switches.	**HBL30RNB**
For 60A switches.	**HBL60RNB**
For 100A switches.	**HBL100RNB**



HBLDS3SSRRC

Replacement Switches

Description	Catalog Number
For 30A switches.	**HBLDS3RS**
For 60A and 100A switches.	**HBLDS60100RS**
For HBLDS33ACNK.	**HBLDS33ACRS**

Replacement Mounting Feet

Description	Catalog Number
For 30A non-metallic switches.	**HBLRFT1**$^{\Delta}$
For 60A and 100A non-metallic switches.	**HBLRFT2**$^{\Delta}$

Note: $^{\Delta}$ *Package of 10 feet and 10 screws.*



HBLDS3SSRRCP


HBL30RGB


HBL30RNB


HBLDS3RS


HBLRFT1

Dimensions

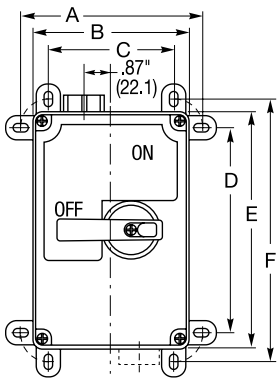
	Labelless Non-Metallic				Stainless Steel, Square Top				Stainless Steel, Sloped Top			
	30A		60A/100A		30A		60A/100A		30A		60A/100A	
Key	inch	(mm)	inch	(mm)	inch	(mm)	inch	(mm)	inch	(mm)	inch	(mm)
A	6.00	(152)	7.75	(197)	—		—		—		—	
B	5.12	(130)	6.87	(175)	4.87	(124)	7.30	(185)	5.41	(137)	7.66	(195)
C	4.12	(105)	4.75	(121)	3.30	(84)	5.50	(140)	4.50	(114)	6.45	(164)
D	6.62	(168)	8.00	(203)	—		—		—		—	
E	7.62	(194)	9.95	(253)	7.05	(179)	10.30	(262)	8.60	(218)	11.41	(290)
F	8.50	(216)	11.00	(279)	8.38	(213)	11.63	(296)	8.22	(209)	11.17	(284)
G	4.12	(105)	5.94	(151)	5.39	(137)	5.93	(151)	4.92	(125)	6.10	(155)

Horsepower Ratings

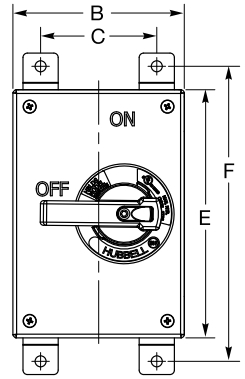
Voltage	30A	30A*	60A	100A
1Ø 120V AC	1	1	7.5	7.5
1Ø 200–240V AC	3	2.5	15	15
1Ø 480V AC	5	5	30	30
3Ø 200–240V AC	7.5	5	30	30
3Ø 480V AC	15	10	50	50
3Ø 600V AC	15	10	50	50

*Note: *HBLDS33ACNK.*

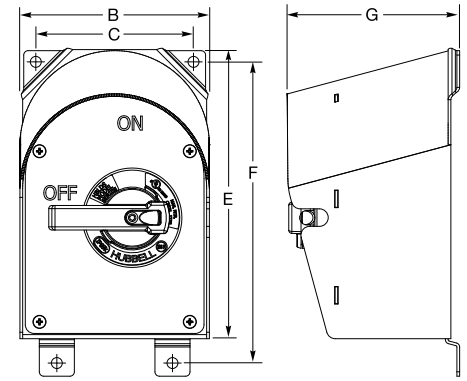
Non-Metallic



Stainless Steel, Square Top



Stainless Steel, Sloped Top



Circuit-Lock® Unfused Disconnect Switches

Specifications

Moisture Resistance	Indoor and Outdoor – Type 4X (Wash down, Corrosion resistant); Indoor – 30, 60A and 100A Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids).
Flammability	UL94-5VA and V0 Classification.
Operating Temperature	Maximum Continuous 75°C; Minimum Continuous -40°C without impact.
UV Resistance	All materials are UV stabilized.
Dielectric Voltage	Withstands 3000V AC minimum.
Max. Working Voltage	600V AC RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Current Ratings (SCCR): (Motor Disconnect)	• 30/60/100A: Suitable for use on a circuit capable of delivering not more than 10kA RMS symmetrical, 600V AC max. • 30A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 30A max. • 60/100A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 100A max.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label.
Mounting	Non-Metallic - External fully adjustable feet. Stainless Steel - Feet are fixed.
Impact Resistance	In accordance with UL 746C.

Materials

Part	Non-Metallic	Stainless Steel
Base	PBT	#14 Gauge Type 304 Stainless Steel
Top	PBT	#14 Gauge Type 304 Stainless Steel
Handle	PBT	PBT
Conduit Hub	Zinc 30A Unfused - ¾ in. Zinc 60/100A Unfused - 1¼ in.	Zinc 30A - ¾ in. Zinc 60/100A - 1¼ in.
Enclosure Gasket	Neoprene	Neoprene
Shaft (Unfused)	PBT	PBT
Shaft Seal	Molded Neoprene	Molded Neoprene
Frame	Galvanized Steel	N/A
Enclosure Screws	Stainless Steel 300 Series	Stainless Steel

Dimensions in Inches (mm)

Plug and Play Technology

MotorQuick® significantly reduces the time it takes to replace motors by combining the plug-and-play technology of the LINKOSITY® power system with the versatility of Circuit-Lock® motor disconnect switches. Quick disconnect terminations will reduce motor change-out time by aproximately 65%. Keeping spare motors already pre-wired with a LINKOSITY® inlet enables wiring to be done off-line when it is convenient, not critical. Motor rotation can be pre-checked in a maintenance shop to further speed the installation. The net result is that equipment is up and running in a fraction of the time, helping improve the bottom line.







MotorQuick® Cost of Ownership Analysis

Traditional Motor Changeout

Catalog Number	Total Material Cost	Labor Cost/ Hr	Downtime	Total Labor Cost	Downtime Cost/hr	Total Downtime Cost	Total Cost
HBL1389D	$106.00	$53.00	1 hour	$53.00	$750.00	$750.00	$909.00
HBLDS3	$185.00	$53.00	1 hour	$53.00	$750.00	$750.00	$988.00

MotorQuick® Motor Changeout

Catalog Number	Total Material Cost	Labor Cost/ Hr	Downtime	Total Labor Cost	Downtime Cost/hr	Total Downtime Cost	Total Cost	Total Savings
HBL1389MQ*	$299.00	$53.00	20 minutes	$17.67	$750.00	$250.00	$566.67	**$342.33**
HBLDS3MQ*	$411.00	$53.00	20 minutes	$17.67	$750.00	$250.00	$678.67	**$309.33**

*Note: *MotorQuick catalog numbers are based on the average cost of the various designs.*

c UL us LISTED

MotorQuick®

IP67 SUITABILITY

Housing Design

- Thermoplastic Cover on Plated Steel Base
- NEMA 1 Enclosure
- Pre-wired with LINKOSITY® Components
- Crush and Impact Resistance of MC Cable



HBL1389MQ5

Housing Design

- High Impact PBT Enclosure
- Type 4X Enclosure
- Permanent Labelless Marking
- Lockable Handle to Meet OSHA Lockout/Tagout Regulations
- Cable Ratings: TC-ER, MTW, STOOW



HBLDS3MQ5

MotorQuick® Disconnect Switches

Type 1 Non-Metallic Enclosure 30A 3 Pole 600V AC	Catalog Number
HBL1389D with one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR**
HBL1389D with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBL1389MQ5**
HBL1389D with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR2**



HBL1389MQR2

Type 4X Non-Metallic Labelless Enclosure 30A 3 Pole 600V AC	Catalog Number
HBLDS3 with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR**
HBLDS3 with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3MQ5**
HBLDS3 with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR2**



HBLDS3MQR

Type 4X Stainless Steel Enclosure 30A 3 Pole 600V AC	Sloped Top	Square Top
HBLDS3SS with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSRMQR**	**HBLDS3SSMQR**
HBLDS3SS with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3SSRMQ5**	**HBLDS3SSMQ5**
HBLDS3SS with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSRMQR2**	**HBLDS3SSMQR2**



HBLDS3SSRMQR



HBLDS3SSMQR

Accessories

Description	Catalog Number
3P 4W LINKOSITY® male receptacle for installation on motor.	**RM3004PA001**
3P 4W LINKOSITY® female receptacle for installation in switch.	**RF3004PA001**
3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable.	**PH3004PAxxx***
3P 4W LINKOSITY® single ended (female) 5-50 foot cable.	**PF3004PAxxx***
Cord connector, ¾ in. NPT .63–.75 in. (16.0–19.1) diameter.	**SHC1037CR**
Lock-on cover for LINKOSITY® connections.	**PH2030C**

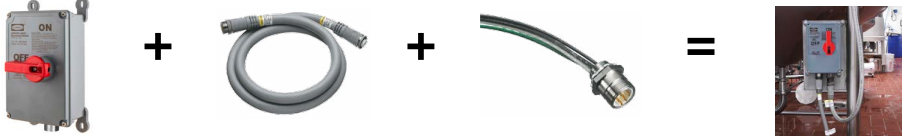
*Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the **XXX** with the required length in feet. (Examples: **PH3004PA005** = 5 foot cable, **PH3004PA050** = 50 foot cable.)*



PH2030C

Sample Set Up

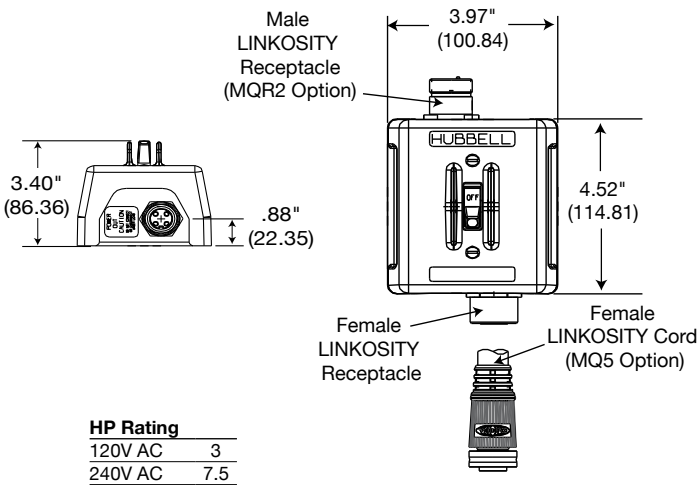
(1) **HBLDS3MQR** + (1) **PH3004PAxxx** + (1) **RM3004PA001** = **Total Set Up****



*Note: ** Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.*

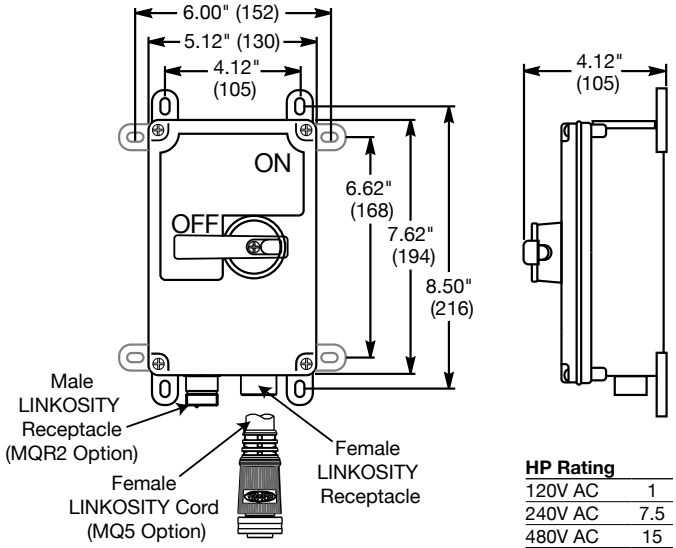
Dimensions

Type 1



HP Rating	
120V AC	3
240V AC	7.5
480V AC	15
600V AC	20

Type 4X



HP Rating	
120V AC	1
240V AC	7.5
480V AC	15
600V AC	15

Hubbell-PRO 30 & 60A Motor Disconnects

Hubbell-PRO motor disconnects are value engineered for commercial and light duty applications. They are available in 30A and 60A versions with optional early break auxiliary contacts for use with VFDs and other auxiliary equipment.

Features

- UL 508 / UL 60947-4-1
- HP Rated
- Type 4X, 12
- Accepts up to 2 Auxiliary Contacts
- OSHA Compliant LO/TO Handle
- Compact, Installation Friendly Enclosure



Ordering Information

Catalog Number	Amps	Description	HP Rating 240 3ØVAC	HP Rating 480 3ØVAC	HP Rating 600 3ØVAC	NO & NC Aux Contacts*	2 NO Aux Contacts*
MD30	30 Amp	Disconnect Enclosure	7.5	15	15	**MDAC2**	**MDAC2NO**
MD30XL	30 Amp	XL Disconnect Enclosure	7.5	15	15	**MDAC2**	**MDAC2NO**
MD60	60 Amp	Disconnect Enclosure	20	40	40	**MDAC2**	**MDAC2NO**

**Break before main action*

30 Amp Accessories

30 Amp	Catalog Number
Ground Module	**MDGB**
Neutral Pole	**MDNB**
30A Additional Pole	**MD4P**

60 Amp Accessories

60 Amp	Catalog Number
Ground Module	**MD60GB**
Neutral Pole	**MD60NB**

Materials

Cover	Polycarbonate
Base	Polycarbonate
Handle	Polycarbonate
Assy. Screws	Stainless Steel

Dimensions in Inches (mm)

Features and Benefits

Circuit-Lock® 200A Disconnect Switches

Hubbell's 200A Disconnect Switches are the latest addition to the Circuit-Lock® family of switched enclosures. The enclosures are designed to withstand harsh environments with exposure to water, chemicals, oils and frequent washdowns. Available in non-metallic or stainless steel, the enclosures are UL Listed Type 4X and 12.

- UL 98 Rated Switch
- Non-Metallic and Stainless Steel
- Type 4X, 12
- Accepts up to 2 Auxiliary Contacts
- Highly Visible Red Rotary Handle
- OSHA Compliant Lockout/Tagout Handle
- Unable to Open the Cover when ON; Cover Locked when Energized
- 200kA SCCR Rating when Protected by a Class "J" Fuse

Designed to Withstand Harsh Environments



HBLDS20

HBLDS20SS

Circuit-Lock® 200A Disconnect Switches

Description	Catalog Number
200A non-metallic disconnect.	**HBLDS20**
200A stainless steel disconnect.	**HBLDS20SS**
N/O auxiliary contact - "Break Before Main".	**HBLAC200**
200A replacement switch.	**HBLDS20RS**
200A replacement handle.	**HBL200HDL**

Materials - 200A Disconnect Switches

	Non-Metallic		Stainless Steel	
Description	Material	Finish	Material	Finish
Enclosure	FR Polyester	—	14 Ga. 304 SST	Smooth Grain
Handle	Plastic	Red/Yellow	Plastic	Red/Yellow
Switch	Plastic	—	Plastic	—
Backplate	12 Ga. Aluminum	None	14 Ga. 304 SST	304 Ann 2B
Terminals	Aluminum	Tin Plated	Aluminum	Tin Plated
Fasteners	Steel	Zinc Plated	Steel	Zinc Plated
Mounting Feet	—	—	304 SST	—

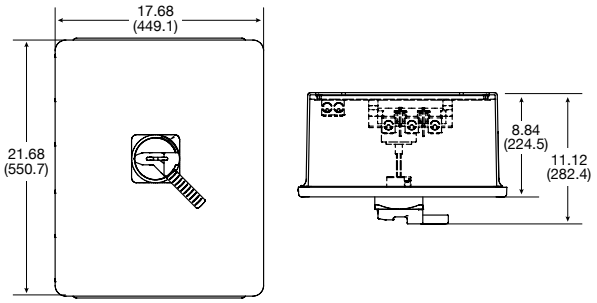
HP Ratings

Voltage	Std HP	Max HP*
120 VAC 1Ø	1.5	10
208-240 VAC 1Ø	3.0	10
240 VAC 3Ø	7.5	75
480 VAC 3Ø	15.0	150
600 VAC 3Ø	15.0	200
120/ 208 VAC 3ØY	7.5	15
277/480 VAC 3ØY	15.0	30
347/ 600 VAC 3ØY	15.0	40

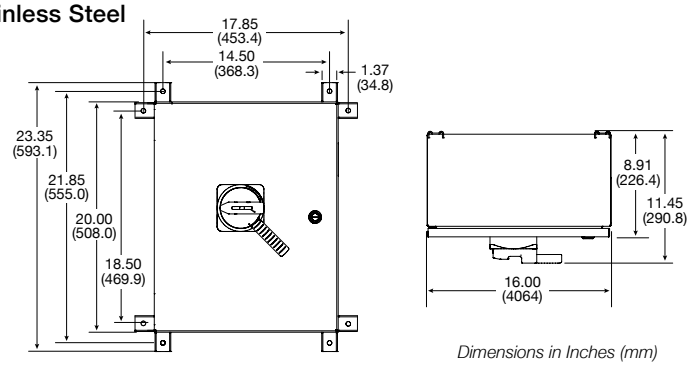
*Note: *When used with time delay fuses.*

Dimensions

Non-Metallic



Stainless Steel

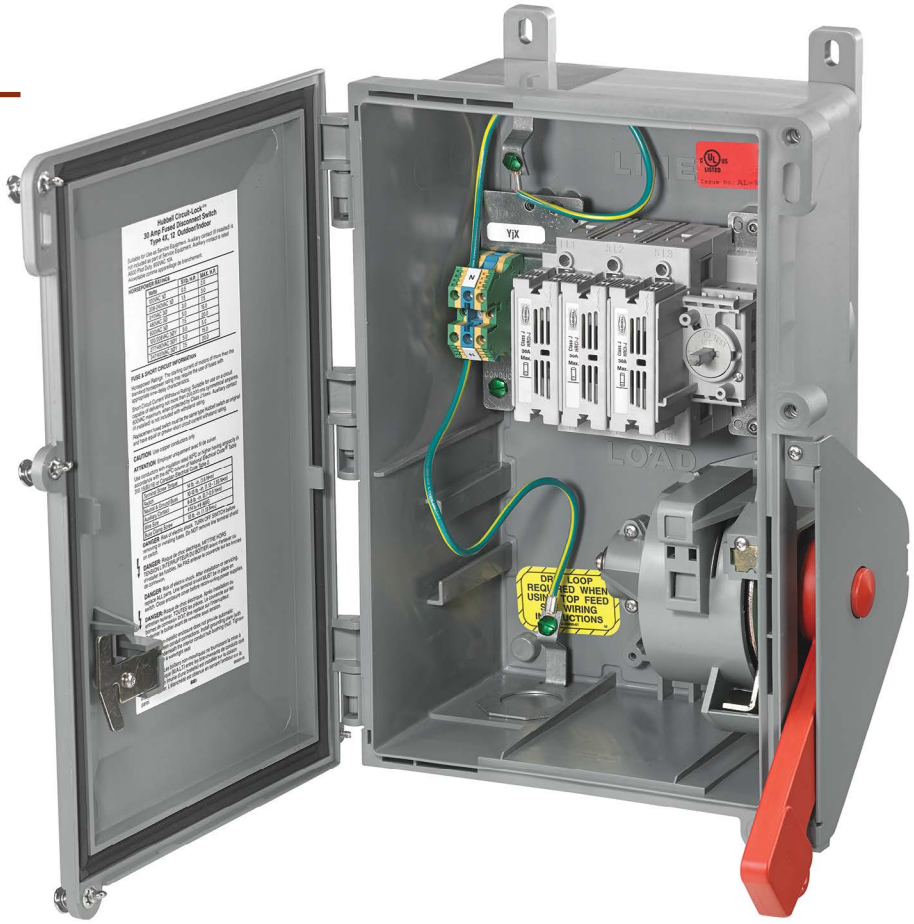


Dimensions in Inches (mm)

Features and Benefits

Circuit-Lock® 30 and 60 Ampere Fused Disconnect Switches

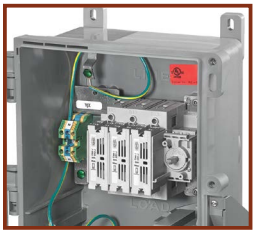
The Circuit-Lock Fused Disconnect Switch provides fused switched control of a directly wired load. The switch cannot be turned ON unless the enclosure cover is closed. The fuses cannot be accessed until the switch is turned OFF. The fuse holder accepts Class "J" fuses. This enclosure is non-metallic and is listed for Outdoor/Indoor (Type 4X Wash down, Corrosion resistant). The handle can be locked in the OFF position to comply with OSHA Lockout/Tagout regulations.





Housing Design

- Non-metallic enclosure meets UL 50E Type 4X (watertight) 12 (dust-tight) and IP66 suitability requirements
- Enclosure is molded of rugged PBT to resist abuse, corrosion and enhance safety
- Stainless steel ¼ in. turn door fasteners for quick, easy access to fuses.



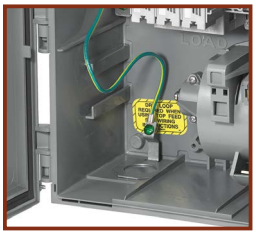
Internal Design

- Fused disconnect switches accept Class "J" fuses
- Internal frame automatically bonds all grounds
- Captured neoprene gasket provides a watertight seal between cover and base



Safety

- Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door cannot be opened
- Lockable highly visible red handle to meet OSHA lockout/tagout
- Safety interlocked fuse access door



Interior

- Removable door for ease of wiring and installation
- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure. Conduit hub provided: 30A 1 in. NPT, 60A 1¼ in. NPT



Installation

- Conduit hub and adjustable mounting feet are supplied with each Circuit-Lock® fused disconnect switch.
- Adjustable mounting feet (4) can be mounted in any of three positions for ease of installation



Switch

- Compact Fused Disconnect Switch accepts Class "J" fuses. Fuse holders are top mounted for easy access. The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers.

IP66
SUITABILITY

UL Listed, CSA Certified
TYPE 4, 4X and
12 Enclosure Rating

30 and 60 Amp Fused Disconnect Switches

Description	Catalog Number
30A Circuit-Lock fused disconnect switch.	**FDS30***
60A Circuit-Lock fused disconnect switch.	**FDS60***

*Note: *Class "J" fuses not included.*



FDS30

Auxiliary Contacts

Description	Black Style Switch Catalog Number	Gray Style Switch Catalog Number
Auxiliary contact, normally open, A600 pilot duty, break before break.	**ACFSNO**	**HBLACFSNO**
Auxiliary contact, normally closed, A600 pilot duty, break before break.	**ACFSNC**	**HBLACFSNC**

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble.

Replacement Switches

Description	Gray Style Switch Catalog Number
For 30A fused switches.	**HBL30MIFRS**
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	**HBL60MIFRS**

Gray Style Switch


HBLACFSNO


HBL30MIFRS

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK30**
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK60**

Black Style Switch


ACFSNO



Replacement Mounting Feet

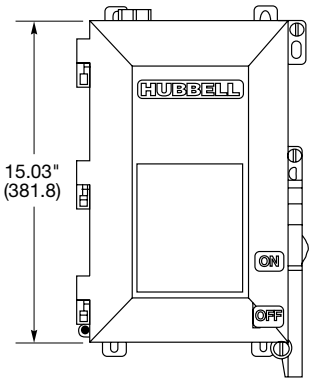
Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	**HBLRFT2**Δ

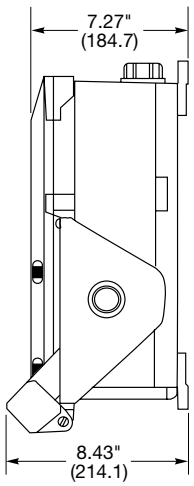
Note: 30A Units supplied with two 1 in. NPT raintight conduit fittings.
60A Units supplied with two 1¼ in. NPT raintight conduit fittings.
Δ Package of 10 feet and 10 screws.

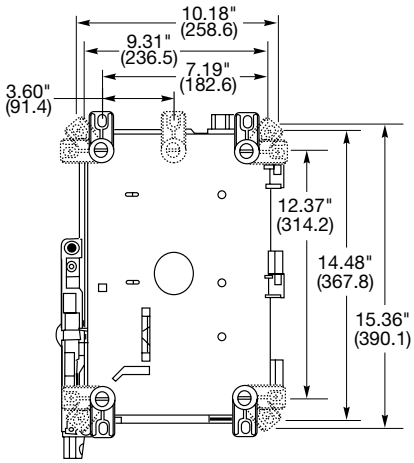

HBLRFT2

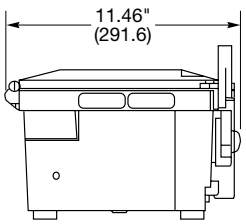

MICPK30

Dimensions









Dimensions in Inches (mm)

Horsepower Ratings

Ratings	Volts	Standard HP	Maximum HP*	Catalog Number
30A	120V AC	0.5	2	**FDS30**
600V AC	208-240V AC	1.5	3	
Max.	3Ø 240V AC	3	7.5	
	3Ø 480V AC	5	15	
	3Ø 600V AC	7.5	20	
	3Ø Y 120/208V AC	3	5	
	3Ø Y 277/480V AC	5	15	
	3Ø Y 347/600V AC	7.5	20	
60A	120V AC	1.5	3	**FDS60**
600V AC	208-240V AC	3	7.5	
Max.	3Ø 240V AC	7.5	15	
	3Ø 480V AC	15	30	
	3Ø 600V AC	15	50	
	3Ø Y 120/208V AC	7.5	15	
	3Ø Y 277/480V AC	15	30	
	3Ø Y 347/600V AC	15	40	

*Note: *Requires time delay fuses.*

Fuse and Short Circuit Information

Horsepower Ratings	The starting current of motors of more than the standard horsepower rating may require the use of fuses with appropriate time-delay characteristics.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle when protected by Class “J” fuses.

Note: Replacement fused switch must be the same type Hubbell switch as original and have equal or greater short circuit current withstand rating.

Circuit-Lock® Fused Disconnect Switch

Specifications	
Moisture Resistance	Indoor and Outdoor – Type 4X (Wash down, Corrosion resistant); Indoor – Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids).
Flammability	UL94-5VA and V0 Classification.
Operating Temperature	Maximum Continuous 75°C; Minimum Continuous -40°C without impact.
UV Resistance	All materials are UV stabilized.
Dielectric Voltage	Withstands 3000V AC minimum.
Max. Working Voltage	600V AC RMS.
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label.
Mounting	External fully adjustable feet.
Fuse Types	UL Listed, Class “J”; CSA Certified, HRCI-J.

Materials	
Part	Material
Base	PBT
Door	PBT
Handle	PBT
Conduit Hub	Zinc, 30A Fused – 1 in., 60A Fused – 1¼ in.
Enclosure Gasket	Neoprene
Shaft	Brass
Shaft Seal	Neoprene
Frame	Galvanized Steel
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series

Ratings Quick Reference Guide

Circuit-Lock® Switched Enclosures

Amp	Description	Phase	Poles	HP 120	HP 240	HP 480	HP 600	Catalog Number
30	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	**HBL1389MQR**
	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	**HBL1389MQ5**
	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	**HBL1389MQR2**
	NEMA 1 Aluminum	1	2	2	5	10	15	**HBL1372**
	NEMA 1 Aluminum	3	3	3	7.5	15	20	**HBL1379**
	NEMA 1 Non-Metallic	1	2	2	5	10	15	**HBL1392**
	NEMA 1 Non-Metallic	3	3	3	7.5	15	20	**HBL1389**
	NEMA 3/3R Non-Metallic	1	2	2	5	10	15	**HBL13R22**
	NEMA 3/3R Non-Metallic	3	3	3	7.5	15	20	**HBL13R23**
	NEMA 3R Die Cast Aluminum	1	2	2	5	10	15	**HBL13R12**
	NEMA 3R Die Cast Aluminum	3	3	3	7.5	15	20	**HBL13R13**
	NEMA 3R Aluminum	1	2	2	5	10	15	**HBL13R92**
	NEMA 3R Aluminum	3	3	3	7.5	15	20	**HBL13R89**
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3**
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3AC**
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3NK**
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3ACNK**
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	5	10	10	**HBLDS33ACNK**
	TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3MQR**
	TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3MQ5**
	TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	**HBLDS3MQR2**
	IP69k TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SS**
	IP69k TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SSAC**
	IP69k TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SSVFD**
	TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SSMQR**
	TYPE 4X Stainless Steel	3	3	1	7.5	15	15	**HBLDS3SSMQ5**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSR**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSR2K**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSRVFD**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSRAC**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSRMQR**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSRMQ5**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	**HBLDS3SSRMQR2**
	TYPE 4X Non-Metallic Fused Disconnect	3	3	1	7.5	15	20	**FDS30**
	NEMA 4X Stainless Steel	3	3	3	7.5	15	20	**HBL13S33D**
	NEMA 4X Non-Metallic	3	3	3	7.5	15	20	**HBL13X33D**
60	NEMA 3R Aluminum	1	2	—	10	15	20	**HBL16R92D**
	NEMA 3R Aluminum	3	3	—	10	25	30	**HBL16R93D**
	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	**HBLDS6**
	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	**HBLDS6AC**
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	**HBLDS6SS**
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	**HBLDS6SSAC**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	**HBLDS6SSR**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	**HBLDS6SSRVFD**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	**HBLDS6SSRAC**
	TYPE 4X Non-Metallic Fused Disconnect	3	3	3	15	30	40	**FDS60**
	NEMA 4X Stainless Steel	3	3	—	10	25	30	**HBL16S63D**
	NEMA 4X Non-Metallic	3	3	—	10	25	30	**HBL16X63D**
100	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	**HBLDS10**
	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	**HBLDS10AC**
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	**HBLDS10SS**
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	**HBLDS10SSAC**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	**HBLDS10SSR**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	**HBLDS10SSRVFD**
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	**HBLDS10SSRAC**
200	Type 4X, 12 Non-Metallic			10	75	150	200	**HBLDS20**
	Type 4X, 12 Stainless Steel			10	75	150	200	**HBLDS20SS**

Note: HP ratings apply to Jog and LED versions.


HBL1379


HBL13R89


HBL13S33D


HBL16R93D


HBLDS3


FDS30


HBLDS3P


HBLDS3J


HBLDS3MQR


HBLDS3MQ5


HBLDS3SS


HBLDS3SSR


HBLDS20


HBLDS20SS

Features and Benefits

Hazardous Location
Non-Fused Disconnect Switches

Hubbell's hazardous location line of non-fused disconnect switches are typically used for applications with the presence of flammable gasses or vapors, ignitable dusts and fibers. They are also suitable for use in outdoor or indoor damp, wet and dirty locations or in areas where frequent wash downs, heavy rain, or water spray routinely occurs. These switches are compact in size to reduce cost and make it easier to position on the wall or piece of equipment. The enclosures are made of copper-free aluminum and have a polyester/epoxy finish to prevent corrosion. The highly visible handles can be locked out to comply with OSHA Lockout/Tagout regulations.

Class I, Div. 1 & 2, Groups B,C,D

Class I, Zones 1 & 2, Groups IIB+ H2, IIA

Class II, Div. 1 & 2, Groups E,F,G

Class III, NEMA 3, 4, 4X, 7(B,C,D), 9(E,F,G)





Applications

- Grain manufacturing and storage
- Industrial chemical and gas manufacturing
- Petroleum refining
- Fertilizer manufacturing
- Vehicle repair/paint shops
- Coal mining
- Cotton and fabric mills



Housing Design
- Copper-free aluminum construction with electrostatically applied polyester/epoxy finish to prevent corrosion
- Compact NEMA 4X enclosure and footprint allows easy installation in tight locations
- Top and bottom drilled and tapped conduit entrances



Internal Design
- Gasketed flange with O-ring located inside bolt circle to seal out moisture
- Bodies have top and bottom drilled and tapped conduit entrances for power connection



Safety
- Lockable handle to meet OSHA Lockout/Tagout regulations
- For use as motor disconnects



Safety
- Lockable handle to meet OSHA Lockout/Tagout regulations
- Large visible rotary handle with "ON-OFF" indicator allows a quick means of disconnecting power
- For use as motor disconnects



Installation
- Fewer cover bolts reduces installation and maintenance time
- Removable ductile mounting lugs adjust to irregular mounting surfaces
- 316 Stainless steel bolts



Switch
- Disconnects contain UL98 certified switch
- MI include UL508/UL60947 disconnect switch
- Optional to add one (1) N/O "Break Before Main Break" auxiliary contact

Standard Materials/Finish

- Enclosures: Copper-free aluminum (less than 4/10 of 1% copper content)
- Cover Bolts: 316 Stainless Steel
- Finish: Grey Powder Polyester painted exterior, electrostatically applied
- Ratings: 600V AC, 230V DC 30–100 Amp
- Optional to include up to one (1) N/O “Break Before Main Break” auxiliary contact



HBLB7NFD13A



HBLB7NFD26A

Unfused Hazardous Location Disconnect Switches

Description	30 Amp	60 Amp	100 Amp
3 Pole disconnect switch.	**HBLB7NFD13A**	**HBLB7NFD26A**	**HBLB7NFD21A**
3 Pole disconnect switch with auxuliary contact.	**HBLB7NFD13AA**	**HBLB7NFD26AA**	**HBLB7NFD21AA**
“Break Before Main Break”, 1 set of n/o contacts for use with variable frequency drives.			**HBLB7AC2**

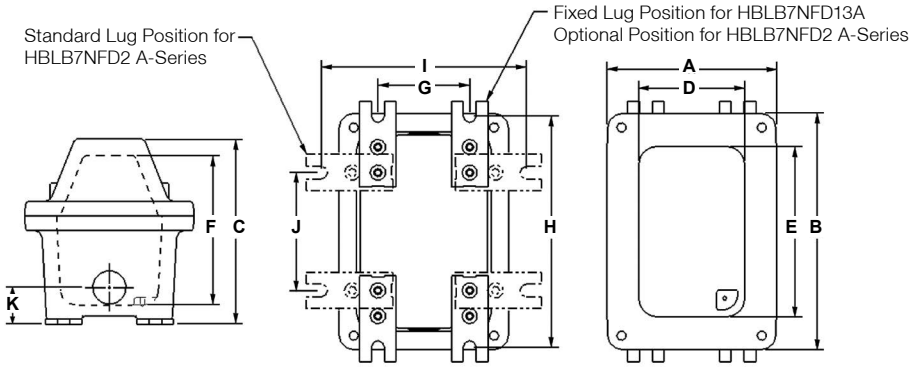
Note: 30A bodies have 1 inch top and bottom drilled and tapped conduit entrances.
60A and 100A bodies have 1-½ inch top and bottom drilled and tapped conduit entrances.

Disconnect Horsepower Ratings

Switch Amps/Phase	Single Phase HP		Three Phase HP				DC HP	Terminal Wire Size	Conduit Sizes	Catalog Number
	120V AC	230V AC	208V AC	230V AC	480V AC	600V AC	230V DC			
30A / 3P	2	5	10	10	20	30	1	#14-10	1 NPT	**HBLB7NFD13A**
60A / 3P	3	7.5	20	20	40	40	10	#14-4	1½ NPT	**HBLB7NFD26A**
100A / 3P	5	15	25	30	50	50	20	#8-1	1½ NPT	**HBLB7NFD21A**

Dimensions

	Outside Box			Inside Box			Mounting Dimensions				
	A	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**J**	**K**
30 Amp	5¾	8$^{1}/_{16}$	6$^{5}/_{16}$	3$^{5}/_{8}$	5	5	3	8	–	–	1
60 & 100 Amp	8	13	7	4	9	6	2	11	6	7	1



Non-Fused UL1686 Hazardous Location Mechanical Interlocks and Plugs

Amp	Circuit	Mechanical Interlock	Metallic Plug	Insulgrip Plug
30 Amp 600V AC	2W 3P	**HBLVSQ3023**	**HBLVP3385**	**HBL330PS2W**
	3W 4P	**HBLVSQ3034**	**HBLVP3485**	**HBL430PS2W**
60 AMP 600V AC	2W 3P	**HBLVSQ6023**	**HBLVP6385**	**HBL360PS2W**
	3W 4P	**HBLVSQ6034**	**HBLVP6485**	**HBL460PS2W**

Note: Early break contact comes standard with mechanical interlocks.
HBLVSQ 30 Amp models come standard with 1 inch drilled and tapped conduit openings top and bottom plus two 1 inch x ¾ inch reducers and one ¾ inch close-up plug for maximum flexibility. 60 amp models come with one 1½ inch opening on top and bottom and one 1½ inch close-up plug.
See page G-44 for Dimensions on Mechanical Interlocks and Plugs.



HBLVSQ3034



HBLVP3485



HBL430PS2W

Horsepower Ratings (VAC)*

Amp	Circuit	120	240	480	600	Catalog Number
30 Amp	1Ø	2	5	10	15	**HBLVSQ3023**
	3Ø	3	7.5	15	20	**HBLVSQ3034**
60 Amp	1Ø	–	10	15	20	**HBLVSQ6023**
	3Ø	–	10	25	30	**HBLVSQ6034**

*Note: *Internal switch only.*

Dimensions in Inches (mm)

Features and Benefits

30A AC Manual Toggle Controllers/Disconnects

The most complete offering of Circuit-Lock® controllers rated "Suitable as Motor Disconnect" with top horsepower and high amperage ratings in such a compact device.





Ample wiring room for installation with # 10AWG In a Standard FD Box



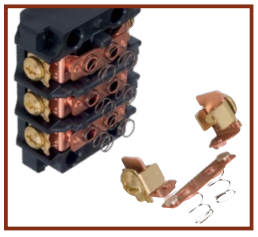
Housing Design
- Withstands high temperatures
- Excellent dimensional stability
- Superior dielectric strength



Internal Design
- Strong ON/OFF action with quick-make, slow break operation
- Provides long-life reliability
- 10,000 Amp high fault short circuit withstand rating



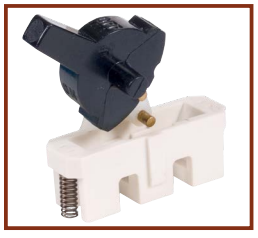
Installation Efficiencies
- Slim body is 34% smaller than legacy design
- Easily fits in to FD box with #10AWG



Contacts
- Four large silver alloy contacts per pole has excellent conductivity with maximum longevity
- 100% Copper contact arm has high heat management and reliability



Installation
- #10 Brass terminal screw with clamping plate for secure back or side wiring (30A only)
- Front and back wiring steel screws and copper terminals



Switch
- Lubrication-free controller with continued ON/OFF cycling even in harsh, dust and high heat environments

600V AC Manual Toggle Controllers/Disconnects

For use in almost any industrial environment. Ideal component switch for motor control and as a disconnect. Toggle controllers can be built into equipment and enclosures for either box or panel-mount installation.

				HP Rating				
Amp	Poles	ToggleType	Wire	120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Standard	Back/Side	2	5	10	15	**HBL7832**
	2	Short	Back/Side	2	5	10	15	**HBL7832S**
	3	Standard	Back/Side	3	7.5	15	20	**HBL7810**
	3	Short	Back/Side	3	7.5	15	20	**HBL7810S**
40	2	Standard	Side	2	5	10	15	**HBL7842D**
	3	Standard	Side	3	7.5	15	20	**HBL7843D**
50	2	Standard	Side	2	5	10	15	**HBL7852D**
	3	Standard	Side	3	7.5	15	25	**HBL7853D**
60	2	Standard	Back	—	10	15	20	**HBL7862D**
	3	Standard	Back	—	10	25	30	**HBL7863D**
	2	Standard	Front	—	10	15	20	**HBL7862FWD**
	3	Standard	Front	—	10	25	30	**HBL7863FWD**
85	2	Standard	Back	—	10	15	20	**HBL7882D**
	3	Standard	Back	—	10	25	40	**HBL7883D**
Optional Side Guard, for close wall applications and finger safe environments.								**HBLFG30***

*Note: *For 30A, 40A and 50A controllers.*



HBL7810



HBL7843



HBL7853D



HBL7863D

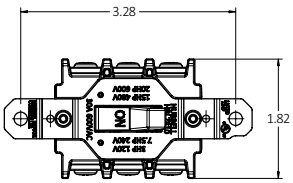
Specifications

Electrical Performance		
Dielectric Voltage	Min. 2,200V AC minimum for 1 minute	
Electrical Life	Min. 6,000 Cycles at rated switch load	
Max. Working Voltage	600V AC RMS	
	Switches	10,000 RMS
Short Circuit	30A & 40A	60A max. when protected by J fuses
Withstand Rating	50A	50A max. when protected by J fuses
as Motor Disconnect	60A & 85A	80A max. when protected by J fuses
Short Circuit	30A	60A max when protected by RK5 fuses
Withstand Rating as Motor Controlle	40A – 85A	125A max. RK5 fuses
Mechanical		
Mechanical Life	Min. 10,000 minimum cycles	
	Switch Rating	AWG Max.
Terminal	30A	#10
Accommodations	40A & 50A	#8**
	60A & 85A	#4
Wire Type	Solid and stranded copper wire only.	
Terminal Torque	30A – 50A	20 inch pounds
Switch Rating	60A – 85A	25 inch pounds
Environmental		
Flammability	UL94HB/VO	
Operating Temp.	Max. 75°C	
	Min. -40°C continuous without impact	
Listings		
	Industrial Control File	
UL 508	#E70402	
CSA-C22.2 No.14	LR-46186	

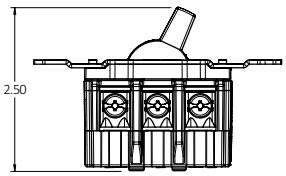
*Note: **Use listed certified ring terminal.*

Dimensions

30 Amp Standard Toggles

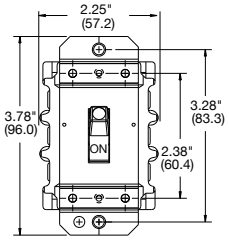


Front

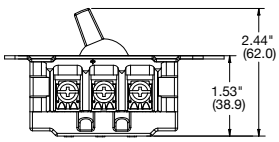


Side

40 and 50 Amp Standard Toggles

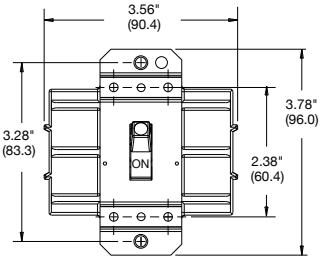


Front

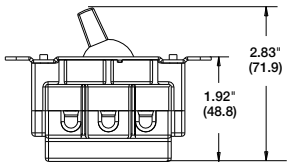


Side

60 and 85 Amp Standard Toggles



Front



Side

Dimensions in Inches (mm)

NEMA 1 Disconnect Switches

Housing Design

- Thermoplastic cover on a plated steel base
- Durable, non-conductive cover
- Wiring conduit knockouts
- ½" and ¾" NPT
- Top, bottom or back wire entry points
- Surface mount control
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout



Housing Design

- All aluminum cover and base
- Base is pre-drilled for rear surface mounting
- Wiring conduit knockouts
- ½" and ¾" NPT
- Top, bottom or back wire entry points
- Surface mount control
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout





HBL1389D



HBL1379D



HBL1390



HBL1370

Circuit-Lock® NEMA 1 Enclosures with Switch

Ideal for use in industrial environments, i.e. conveyer systems, industrial fans, etc.

			HP Rating				
Amp	Poles	Enclosure Material	120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Thermoplastic	2	5	10	15	**HBL1392**
30	3	Thermoplastic	3	7.5	15	20	**HBL1389**
30	2	Aluminum	2	5	10	15	**HBL1372**
30	3	Aluminum	3	7.5	15	20	**HBL1379**

Note: See page F-21 for technical information.

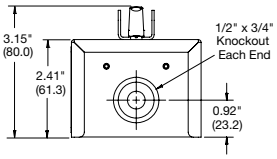
Circuit-Lock® NEMA 1 Enclosures without Switch

For use with switches shown on page F-21.

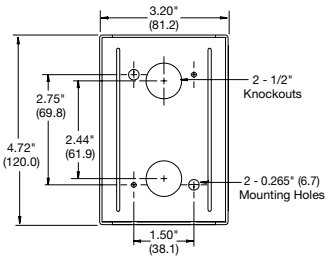
Description	Cover Material	Base Material	No. Equipment Grounds	Catalog Number
For use with 30A switch.	Thermoplastic	Steel	1	**HBL1390**
For use with 30A switch.	Aluminum	Aluminum	2	**HBL1370**

Dimensions

HBL1370, HBL1372 and HBL1379

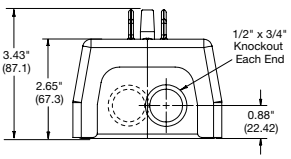


Bottom



Back

HBL1390, HBL1389 and HBL1392



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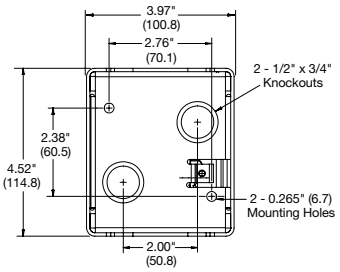


Back

Dimensions in Inches (mm)

Circuit-Lock® NEMA 3 and 3R Enclosures with Switch

Ideal for use on outdoor equipment.

Amp	Poles	Enclosure Material	Water Ingress	HP Rating 120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Thermoplastic	3	2	5	10	15	**HBL13R22**
30	3	Thermoplastic	3	3	7.5	15	20	**HBL13R23**
30	2	Aluminum	3/3R	2	5	10	15	**HBL13R12**
30	3	Aluminum	3/3R	3	7.5	15	20	**HBL13R13**

Note: See page F-21 for technical information.
**Drill weephole to alter from NEMA 3 to NEMA 3R.*



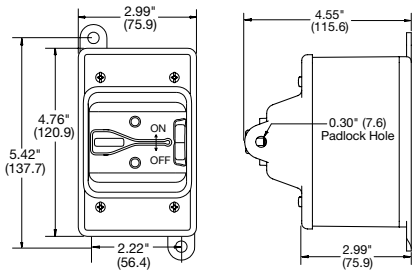
HBL13R23



HBL13R13

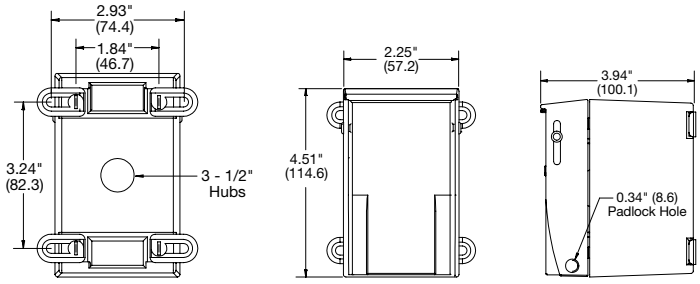
Dimensions

HBL13R22 and HBL13R23



Front Side

HBL13R12 and HBL13R13



Back Front Side

Circuit-Lock® NEMA 3R Enclosures with Switch

Ideal for use in outdoor environments.

Amp	Poles	Enclosure Material	HP Rating 120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Aluminum	2	5	10	15	**HBL13R92**
30	3	Aluminum	3	7.5	15	20	**HBL13R89**
60	2	Aluminum	—	10	15	20	**HBL16R92D**
60	3	Aluminum	—	10	25	30	**HBL16R93D**

Note: For switch specifications refer to page F-21.



HBL13R89



HBL16R93D

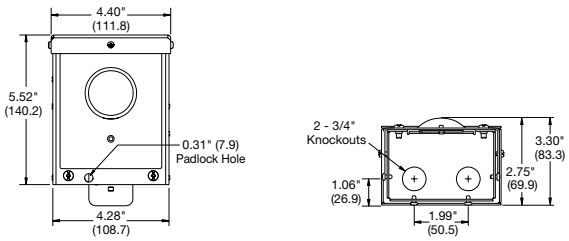
Circuit-Lock® NEMA 3R Enclosures without Switch

For use with switches shown on page F-21.

Description	Enclosure Material	Catalog Number
For use with 30A switch.	Aluminum	**HBL13R90**
For use with 60A switch.	Aluminum	**HBL16R90**

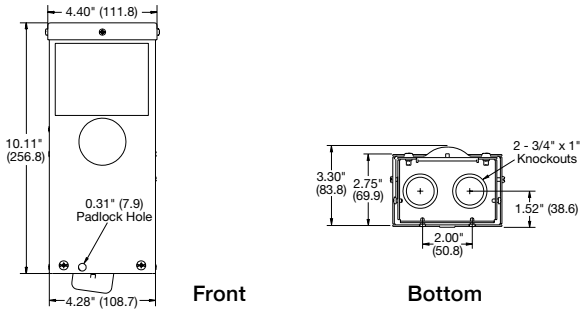
Dimensions

HBL13R90, HBL13R89 and HBL13R92



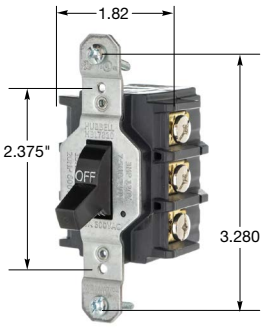
Front Bottom

HBL16R90, HBL16R92D and HBL16R93D



Front Bottom

Dimensions in Inches (mm)

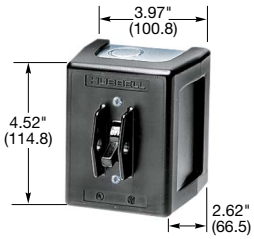


HBL7810

30A 600V AC Manual Motor Controllers, Double Pole

Description	Catalog Number
30A, double pole, single throw, AC manual motor controller, black nylon handle, side and back wired.	**HBL7832**
30A, double pole, single throw, AC manual motor controller, black nylon handle, short toggle.	**HBL7832S**
HBL7832D in HBL1390 Type 1 enclosure with non-metallic cover, ½ in. and ¾ in. knockouts on top, bottom and back of steel frame.	**HBL1392**
HBL7832D in HBL1370 metal Type 1 enclosure.	**HBL1372**
HBL7832D in NEMA 3R non-metallic enclosure.	**HBL13R22**
HBL7832D in HBL13R90 metal Type 3R enclosure.	**HBL13R92**
HBL7832D in NEMA 3R flip-lid enclosure.	**HBL13R12**

Note: See page F-21 for technical information.

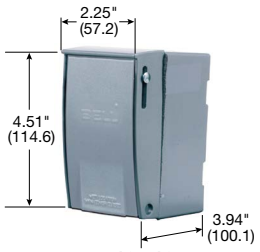


HBL1389

30A 600V AC Manual Motor Controllers, Three Pole

Description	Catalog Number
30A, three pole, single throw, AC manual motor controller, black nylon handle, side and back wired.	**HBL7810**
30A, three pole, single throw, AC manual motor controller, black nylon handle, short toggle.	**HBL7810S**
HBL7810D in HBL1390 Type 1 enclosure with non-metallic cover, ½ in. and ¾ in. knockouts on top, bottom and back of steel frame.	**HBL1389**
HBL7810D in HBL1370 metal Type 1 enclosure.	**HBL1379**
HBL7810D in NEMA 3R non-metallic enclosure.	**HBL13R23**
HBL7810D in HBL13R90 metal Type 3R enclosure.	**HBL13R89**
HBL7810D in NEMA 3R flip-lid enclosure.	**HBL13R13**
30A, 600V, three pole, rotary controller in NEMA 4X stainless steel enclosure.	**HBL13S33D**
30A, 600V, three pole, rotary controller in NEMA 4X non-metallic enclosure.	**HBL13X33D**

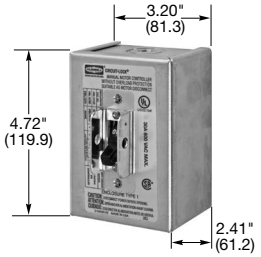
Note: See page F-21 for technical information.



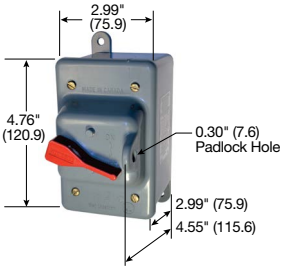
HBL13R13

Motor Rating

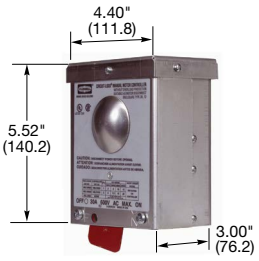
Product	120V AC	240V AC	480V AC	600V AC	Phase
30A Double Pole	2HP	5HP	10HP	15HP	1
30A Three Pole	3HP	7½HP	15HP	20HP	3
40A Double Pole	2HP	5HP	10HP	15HP	1
40A Three Pole	3HP	7½HP	15HP	20HP	3
50A Double Pole	2HP	5HP	10HP	15HP	1
50A Three Pole	3HP	7½HP	15HP	25HP	3
60A Double Pole	-	10HP	15HP	20HP	1
60A Three Pole	-	10HP	25HP	30HP	3
85A Double Pole	-	10HP	15HP	20HP	1
85A Three Pole	-	10HP	25HP	40HP	3



HBL1379



HBL13R23



HBL13R89



HBL13S33D

Dimensions in Inches (mm)

IP44*
SUITABILITY

40A 600V AC Manual Motor Controllers

Description	Catalog Number
40A, double pole, single throw, AC manual motor controller, black nylon handle, side wired.	**HBL7842D**
40A, three pole, single throw, AC manual motor controller, black nylon handle, side wired.	**HBL7843D**

Note: See page F-21 for technical information.

50A 600V AC Manual Motor Controllers

Description	Catalog Number
50A, double pole, single throw, AC manual motor controller, black nylon handle, side wired.	**HBL7852D**
50A, three pole, single throw, AC manual motor controller, black nylon handle, side wired.	**HBL7853D**

Note: See page F-21 for technical information.

60A 600V AC Manual Motor Controllers

Description	Catalog Number
60A, double pole, single throw, AC manual motor controller, black nylon handle, back wired.	**HBL7862D**
Same as HBL7862D except front wired.	**HBL7862FWD**
HBL7862FWD in Type 3R enclosure.	**HBL16R92D**
60A, three pole, single throw, AC manual motor controller, black nylon handle, back wired.	**HBL7863D**
Same as HBL7863D except front wired.	**HBL7863FWD**
HBL7863FWD in a Type 3R enclosure.	**HBL16R93D**
60A, 600V, three pole, rotary controller in NEMA 4X stainless steel enclosure.	**HBL16S63D**
60A, 600V, three pole, rotary controller in NEMA 4X non-metallic enclosure.	**HBL16X63D**

Note: See page F-21 for technical information.

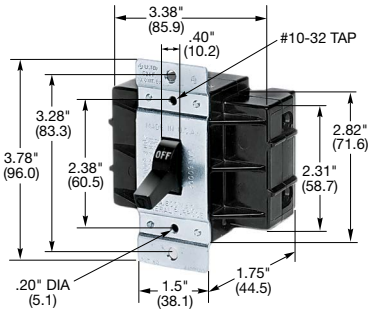
85A 600V AC Manual Motor Controllers

Description	Catalog Number
85A, double pole, single throw, AC manual motor controller, black nylon handle, back wired.	**HBL7882D**
85A, three pole, single throw, AC manual motor controller, black nylon handle, back wired.	**HBL7883D**

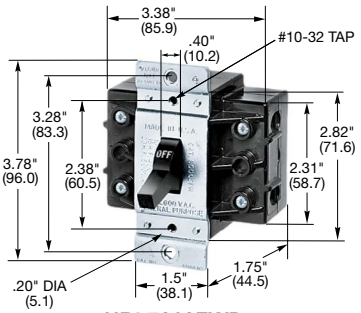
Note: See page F-21 for technical information.

Motor Controller Accessories

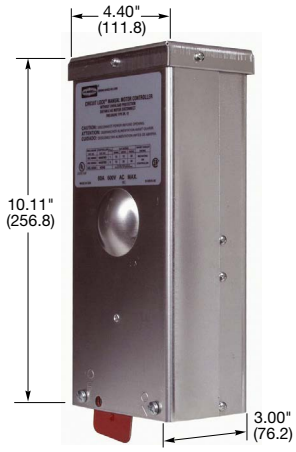
Description	Catalog Number
Finger Guards, fit 30A, 40A and 50A controllers.	**HBLFG30**
Auxiliary Contacts, NO/Common/NC, for use in rotary switches only.	**HBLAUX**



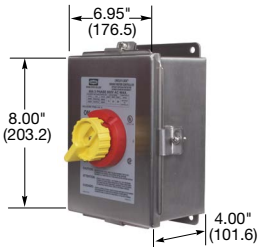
HBL7862D



HBL7862FWD



HBL16R93D



HBL16S63D

Dimensions in Inches (mm)

NEMA 4X Disconnect Switches

Housing Design

- Thermoplastic 4X Non-metallic enclosures
- Un-drilled case allows custom placement of wire entry
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout



Housing Design

- 304 Stainless steel enclosure chemical and corrosion resistant
- PBT handle and collar chemical and impact resistant
- Hinged cover with removable continuous pin
- Un-drilled case allows custom placement of wire entry
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout





HBL13S33D
(Door open)

Interior Design

- Interlocking shaft and handle prevents cover removal when switch is ON
- Poured in closed cell neoprene gasket
- Up to 2 optional auxiliary contacts for PLCs and external indicators





HBL16S63D



HBL13X33D

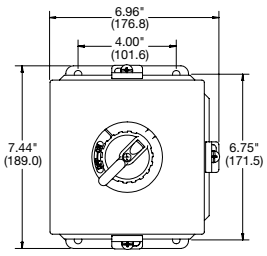
Circuit-Lock® NEMA 4X Enclosures with Switch and Accessories

Ideal for use in environments where wash-down is necessary, i.e. food processing, laboratories, etc.

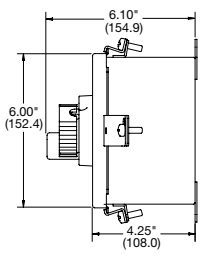
			HP Rating				
Amp	Poles	Enclosure Material	120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	3	Stainless Steel	3	7.5	15	20	**HBL13S33D**
30	3	Non-Metallic	3	7.5	15	20	**HBL13X33D**
60	3	Stainless Steel	—	10	25	30	**HBL16S63D**
60	3	Non-Metallic	—	10	25	30	**HBL16X63D**
Finger Guard option for 30A switch.							**HBLFG30**
NO/Comon/NC auxiliary contact, 10A 120/250V AC for 30 and 60 Amp switches.							**HBLAUX**

Dimensions

HBL13S33D

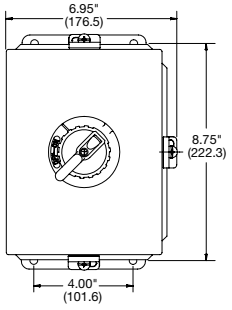


Front

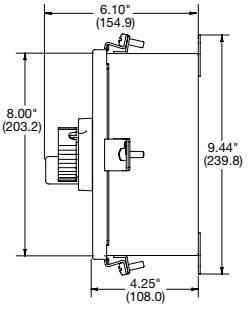


Side

HBL16S63D



Front



Side

Dimensions in Inches (mm)

IP55
SUITABILITY

CPB Series Compact Pendant Stations, Two Button, NEMA 4X

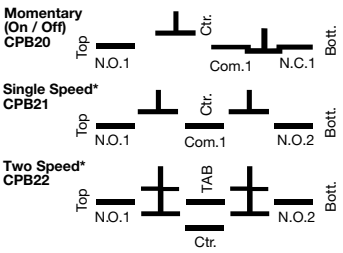
Description	Catalog Number
Single-speed normally open-normally closed without mechanical interlock.	**CPB20**
Single-speed with mechanical interlock between pushbuttons.	**CPB21**
Single-speed with mechanical interlock between pushbuttons, black housing.	**CPB21BK**
Two-speed with mechanical interlock between pushbuttons.	**CPB22**

Note: Included with product: nylon cord grip and sealing washer (must be installed to achieve NEMA 4X rating).
Indication label pack. Cord dia. range .375–.625 in. (9.5–15.9)
Ambient temperatures: 25°F to 140°F (32°C to 60°C).
Typical applications: Package electric motor hoists. Remote control of machinery.



CPB21

Wiring Diagram CPB2 Series



**Mechanical "floating ball" interlock prevents activating both Pushbuttons simultaneously.*

Contact Ratings, CPB Series

Single-Speed	Voltage	Current
AC	120V	6A
35% PF	240V	3A
DC	125V	1.1A
IND	250V	.55A
Two-Speed	**Voltage**	**Current**
AC	120V	3A
35% PF	240V	1.5A

IP44
SUITABILITY

PBS Series Heavy Duty Pendant Pushbutton Stations, NEMA 3R

Description	Catalog Number
2 button, single speed. 2 button, two speed.	**PBS2** **PBS22**
4 button, single speed. 4 button, two speed.	**PBS4** **PBS42**
6 button, single speed. 6 button, two speed.	**PBS6** **PBS62**
8 button, single speed. 8 button, two speed.	**PBS8** **PBS82**

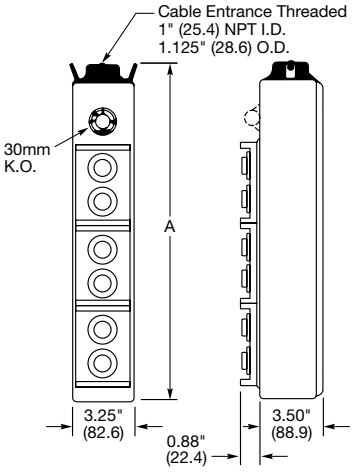


PBS4 **PBS6**

Product Dimensions, PBS Series

Style	A	Approx. Wt. Assembled	Catalog Number
2 button	7.88" (200.0)	2.5 lbs	**PBS2**
4 button	13.69" (347.6)	4.5 lbs	**PBS4**
6 button	18.0" (457.2)	5.5 lbs	**PBS6**
8 button	22.31" (566.7)	7.5 lbs	**PBS8**

Note: Housing: Yellow vinyl rubber.



Dimensions in Inches (mm)

Contact Interrupting Ratings, PBS Series

Two-Speed Single Break	Voltage	Current
AC	120V	6A
35% PF	240V	3A
DC	125V	.4A
IND	250V	.2A
Single-Speed Double Break	**Voltage**	**Current**
AC	120V	6A
35% PF	240V	3A
DC	125V	1.1A
IND	250V	.55A


PG2


PG6


MS2


MS5


TB2


TB5


PBSLP


PBSBC


PBSPL1


07401023

Replacement Inserts

When the insert switches are in need of replacement, simply unplug the old insert and plug in a new one.

Description	Catalog Number
Single speed insert momentary N.O. and N.C.	**PG2**
ON-OFF insert (no mechanical interlock). Momentary, start-stop, reset-stop.	**PG6**
2 or 3 speed insert, momentary. Used to a maximum of 3 speed points.	**MS2**
5 speed insert, momentary. Used to a maximum of 5 speed points. For five speed applications replace an existing terminal board with the TB5 terminal board and replace an existing insert with the five speed (MS5) insert.	**MS5**

Conversion Inserts

In addition to single speed and two speed applications, pre-assembled units can be adapted to handle other applications.

Description	Catalog Number
Terminal board, required for each insert switch PG2, PG6 and MS2.	**TB2**
Terminal board, required for insert switch MS5.	**TB5**

Accessories

Description	Catalog Number
Indicator labels for replacement package contains 1 each: hoist, trolley, bridge, forward-reverse, raise-lower, in-out, right left, east-west, north-south, reset-stop, start-stop, power, main hoist, auxiliary hoist, ON-OFF, up-down.	**PBSLP**
Rubber button cover for replacement purposes.	**PBSBC**
120V red pilot light for 4, 6, and 8 button units only.	**PBSPL1***

*Note: *Each pendant station can accommodate one of the pilot light in the 1.20 in. (30.6) diameter mounting hole.*

Kellems® Deluxe Aluminum Cord Fitting

Outdoor or indoors where subject to moisture, splash or submersion. Kellems grips provide strain relief for multi-conductor cable.

Description	Cord Range	Catalog Number
Kellems grip.	.750"-.875" (19-22.2)	**07401023**
Kellems grip.	.875"-1.00" (22.2-25.4)	**07401025**

SECTION G

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Advantage™ Series Switch-Rated Devices



HBL® Watertight IEC Pin and Sleeve



Circuit-Lock® Unfused and Fused Mechanical Interlocks



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Products at a Glance



Advantage™ Series Pin and Sleeve Switch-Rated Devices

- Advantage™ series devices are approved as disconnecting means for both motor circuitry and branch circuits
- Robust and durable housing, UV-stabilized, impact and corrosion-resistant PBT housing is designed to withstand harsh industrial environments



IEC Watertight Devices

- Provide safe and dependable performance in the most demanding environments
- Heavy duty non-conductive nylon construction provides impact and corrosion protection
- Thermoset polyester contact carriers withstand high temperatures and provide resistance to electrical tracking



Corrosion Resistant Devices

- This superior grade of IEC and Insulgrip devices are ideal for the most demanding environments
- Nickel-plated brass on the IEC and nickel-plated Tellurium copper on the Insulgrip contacts prevent corrosion and heat rise



Hubbell-PRO Commercial Pin and Sleeve

- Value engineered to balance price and performance
- Complete offering of IP44 and IP67 devices
- Multiple installation efficiencies include Edge screwless terminations



Insulgrip® NEMA 4X UL 1686 C1 Devices

- Metallic where you want it and non-metallic where you need it
- This tough product line is NEMA 4X rated for use in the harshest environments
- Devices are fully interchangeable with other manufacturers of UL1686 C1 devices



Circuit-Lock® Mechanical Interlocks

- IEC pin and sleeve devices are color coded by voltage for easy identification
- Available in either fused or non-fused versions
- IEC reverse service units available for safely connecting generators



Back Boxes and Accessories

- A complete line of metallic and non-metallic back boxes, angle adapters, closure caps and liquidtight adapters are available
- Accessories aid with installation efficiencies and support the various applications in which the products are used



Hazardous Location Devices

- Copper-free aluminum construction with electrostatically applied polyester/epoxy finish to prevent corrosion
- Large visible rotary handle with ON/OFF indicator allows a quick means of disconnecting power

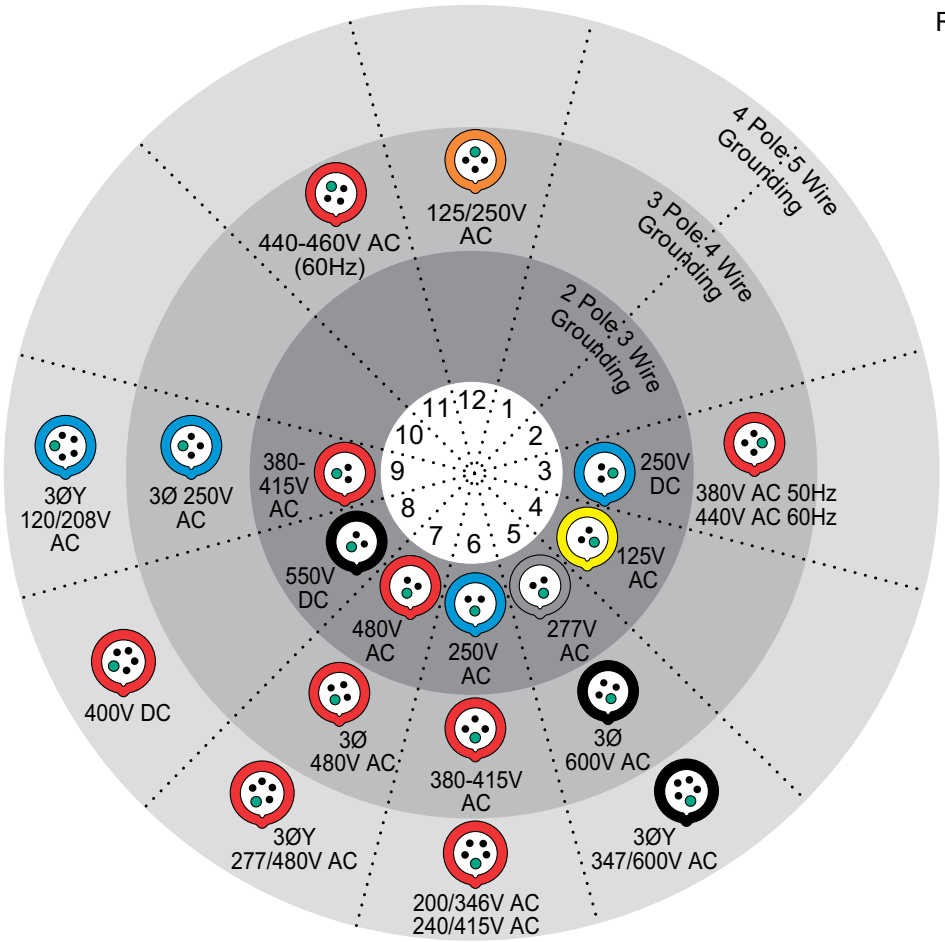
IEC Configurations Chart

Singly Rated Configurations

Hubbell Pin and Sleeve products are designed and manufactured to meet the International Standard IEC 60309-1 and IEC 60309-2. This device standard calls out a singly rated, non-interchangeable configuration for every voltage and type of service throughout the world. Pin and sleeve device housings are color coded by voltage rating.

Voltage

The voltage is determined by the location of the female ground contact relative to the housing keyway. Simply by manufacturing the device with a ground contact in a certain "clock" position, the device will be rated for a particular voltage system. The diagram shows the keying position and the color coding that is associated with each voltage.



Rated Voltage	Color
100V - 130V	
125V/250V	
200V - 250V	
277V	
380V - 480V	
500V - 600V	

Typical IEC Pin and Sleeve Catalog Number

HBL4100C12W

HBL 4 100 C 12 W

- HBL — Hubbell Catalog Number
- 4 — 4 Wire
- 100 — 100 Amp
- C — "C" Connector
- 12 — Female Ground Sleeve at "12" O'Clock (125/250V)
- W — Watertight

Explanation

1 (HBL) Designates Hubbell Catalog Number

2 First Digit
- 3-3 wire
- 4-4 wire
- 5-5 wire

3 Next Series Of Digits
Preceding a letter
- 20-20 Amp
- 30-30 Amp
- 60-60 Amp
- 100-100 Amp

4 Letter
- P-Plug
- R-Receptacle
- C-Connector
- B-Inlet
- MI-Mechanical Interlock
- MIF-Mechanical Interlock Fused

5 Last Digit(s)
After the letter. This denotes the position of the ground sleeve and the assigned voltage in the receptacle as it relates to the hours of the clock. This is done to eliminate interchangeability between devices with different voltages.

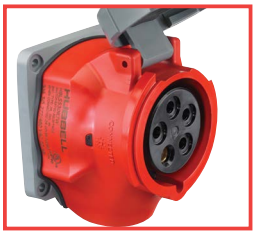
6 Letter: W
Watertight

Features and Benefits

Advantage™ Series Pin and Sleeve Switch-Rated

Hubbell Wiring Device-Kellems Advantage™ Series Pin and Sleeve Switch-Rated Devices are IEC 60309-2 compatible devices that are approved as a disconnecting means for motor and branch circuits. Compact design, this device is similar in size to standard IEC 60309-2 devices. Robust and durable housing, UV-stabilized, impact and corrosion-resistant PBT housing is designed to withstand harsh industrial environments. Stainless steel hardware provides superior corrosion resistance in wet and harsh environments Receptacles mount to standard Hubbell IEC Pin and Sleeve back boxes.





Housing Design

- Rugged one-piece housing, thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants
- IEC pin and sleeve devices are color coded by voltage for easy identification



Heavy Duty External Cord Grips

- Provides maximum cord retention to maintain unstressed terminations
- Pocketed recess for screws deters slippage of the screwdriver and are conveniently located on the same side for easy installation



Ease of Use

- Ergonomic design puts the Advantage™ into the palm of your hands with the easy-to-use leverage grip design from Hubbell



Spring-Loaded Cover

- Spring-loaded to the open position, reminding users that the cover must be secured to ensure maximum ingress protection
- Impact resistant cover arm compact and durable internal swing arm is fully shrouded protecting it from damage



Spring-Loaded Disconnect Button

- Oversized for easy actuation with gloved hands



Full Line of Accessories

- Advantage series receptacles have same mounting pattern as our standard receptacles, for non-metallic and metallic back boxes (see page G-14)
- Full offering of liquidtight adapters (see page G-15)

Features and Benefits

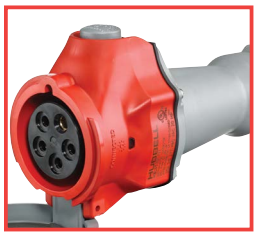
Advantage™ Series Pin and Sleeve Switch-Rated

The Advantage™ Series has a UL witnessed IP69k and 4X,12 environmental rating, two power-indicating LEDs, continuous ground engagement, labelless laser markings and a compact and ergonomic design.

Hubbell's Pin and Sleeve connections have always been safe – that hasn't changed. The Advantage™ series simply has more… Advantages.

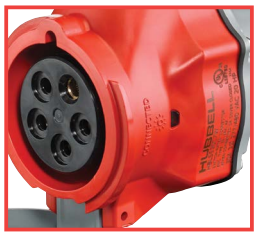


The Hubbell Advantages



Sleek and Modern Design

- The ergonomic device is easy to keep clean making it ideal for hygienic food processing facilities



Permanent Labelless Markings

- Product ratings are laser-marked into the device and will not wash off for easy permanent identification



Continuous Ground Engagement

- Unswitched feed-through ground pin is first-to-make and last-to-break followed by switched neutral and phase contact(s)



Superior Water Ingress Protection

- UL witnessed IP69k and UL Type 4X and 12. Device is built to withstand wet and harsh environments



IEC 60309 Singularly Rated Device

- Mates with existing installed base of IEC 60309-2 pin and sleeve devices. Color coded by voltage for easy identification of mating devices



Power Indicating LED Lights

- Highly visible and long lasting green LED lights on both sides of the device provide visual verification of power when connected

Pin and Sleeve Devices/Mechanical Interlocks

Rating					Pin and Sleeve Devices					Accessories	
Amps	Poles and Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	Connector	Receptacle	HP	Mating Plug**	IP67 Inlet	Back Boxes	Closure Caps
30	2P 3W			125V	HBLS330C4W	HBLS330R4W	2	HBL330P4W	HBL330B4W	BB2030N	PC3430
32	2P 3W			100-130V	HBLS332C4W	HBLS332R4W	2	HBL332P4W	HBL332B4W	BB2030N	PC3430
30	2P 3W			250V	HBLS330C6W*	HBLS330R6W*	5	HBL330P6W*	HBL330B6W*	BB2030N	PC3430
32	2P 3W			220-240V							
30	2P 3W			480V	HBLS330C7W	HBLS330R7W	10	HBL330P7W	HBL330B7W	BB2030N	PC3430
30	3P 4W			125/250V	HBLS430C12W	HBLS430R12W	2	HBL430P12W	HBL430B12W	BB2030N	PC3430
30/32	3P 4W			3Ø 250V	HBLS430C9W*	HBLS430R9W*	10	HBL430P9W*	HBL430B9W*	BB2030N	PC3430
30	3P 4W			3Ø 480V	HBLS430C7W	HBLS430R7W	20	HBL430P7W	HBL430B7W	BB2030N	PC3430
30	3P 4W			3Ø 600V	HBLS430C5W	HBLS430R5W	30	HBL430P5W	HBL430B5W	BB2030N	PC3430
30/32	3P 4W			380-415V	HBLS430C6W*	HBLS430R6W*	7.5	HBL430P6W*	HBL430B6W*	BB2030N	PC3430
32	3P 4W			380-440V	HBLS432C3W	HBLS432R3W	10	HBL432P3W	HBL432B3W	BB2030N	PC3430
30	4P 5W			3ØY 347/600V	HBLS530C5W	HBLS530R5W	30	HBL530P5W	HBL530B5W	BB2030N	PC530
30	4P 5W			200/346-240/415V	HBLS530C6W*	HBLS530R6W*	7.5	HBL530P6W*	HBL530B6W*	BB2030N	PC530
32	4P 5W			220/380V 240/415V							
30	4P 5W			3ØY 277/480V	HBLS530C7W	HBLS530R7W	20	HBL530P7W	HBL530B7W	BB2030N	PC530
30/32	4P 5W			3ØY 120/208V	HBLS530C9W*	HBLS530R9W*	10	HBL530P9W*	HBL530B9W*	BB2030N	PC530
60	2P 3W			125V	HBLS360C4W	HBLS360R4W	3	HBL360P4W	HBL360B4W	BB60N	PC60
60	2P 3W			250V	HBLS360C6W*	HBLS360R6W*	7.5	HBL360P6W*	HBL360B6W*	BB60N	PC60
63	2P 3W			220-240V							
60	2P 3W			480V	HBLS360C7W	HBLS360R7W	15	HBL360P7W	HBL360B7W	BB60N	PC60
60	3P 4W			125/250V	HBLS460C12W	HBLS460R12W	3	HBL460P12W	HBL460B12W	BB60N	PC60
60/63	3P 4W			3Ø 250V	HBLS460C9W*	HBLS460R9W*	10	HBL460P9W*	HBL460B9W*	BB60N	PC60
60	3P 4W			3Ø 480V	HBLS460C7W	HBLS460R7W	30	HBL460P7W	HBL460B7W	BB60N	PC60
60	3P 4W			3Ø 600V	HBLS460C5W	HBLS460R5W	40	HBL460P5W	HBL460B5W	BB60N	PC60
60/63	3P 4W			380-415V	HBLS460C6W*	HBLS460R6W*	10	HBL460P6W*	HBL460B6W*	BB60N	PC60
60	4P 5W			3ØY 347/600V	HBLS560C5W	HBLS560R5W	40	HBL560P5W	HBL560B5W	BB60N	PC60
60/63	4P 5W			200/346-240/415V	HBLS560C6W*	HBLS560R6W*	10	HBL560P6W*	HBL560B6W*	BB60N	PC60
60	4P 5W			3ØY 277/480V	HBLS560C7W	HBLS560R7W	30	HBL560P7W	HBL560B7W	BB60N	PC60
60/63	4P 5W			3ØY 120/208V	HBLS560C9W*	HBLS560R9W*	10	HBL560P9W*	HBL560B9W*	BB60N	PC60

*Note: *Certain IEC configurations allow for a single product to be certified as both a North American (Series 2) and International amperage (Series 1). These products are marked accordingly with both the UL Listing and UL Classified markings.*
***Mating plug or inlet required to maintain 4X/IP69k ratings when used with ADVANTAGE™ series connections.*
ADVANTAGE™ series receptacles have the same mounting pattern as standard Hubbell IEC pin and sleeve.
See page G-28 for back boxes and G-29 for accessories.

Rating					Pin and Sleeve Devices					Accessories	
Amps	Poles and Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	Connector	Receptacle	HP	Mating Plug**	Inlet**	Back Boxes	Closure Caps
100	3P 4W			3Ø 600V	**HBLS4100C5W**	**HBLS4100R5W**	50	**HBL4100P5W**	**HBL4100B5W**	**BB100N**	**PC100**
100	3P 4W			380-415V	**HBLS4100C6W***	**HBLS4100R6W***	15	**HBL4100P6W**	**HBL4100B6W**	**BB100N**	**PC100**
100	3P 4W			3Ø 480V	**HBLS4100C7W**	**HBLS4100R7W**	40	**HBL4100P7W**	**HBL4100B7W**	**BB100N**	**PC100**
100	3P 4W			3Ø 250V	**HBLS4100C9W***	**HBLS4100R9W***	15	**HBL4100P9W**	**HBL4100B9W**	**BB100N**	**PC100**
100	3P 4W			125/250V	**HBLS4100C12W**	**HBLS4100R12W**	10; 3	**HBL4100P12W**	**HBL4100B12W**	**BB100N**	**PC100**
100	4P 5W			3ØY 347/600V	**HBLS5100C5W**	**HBLS5100R5W**	50	**HBL5100P5W**	**HBL5100B5W**	**BB100N**	**PC100**
100	4P 5W			200/346-240/415V	**HBLS5100C6W***	**HBLS5100R6W***	15	**HBL5100P6W**	**HBL5100B6W**	**BB100N**	**PC100**
100	4P 5W			3ØY 277/480V	**HBLS5100C7W**	**HBLS5100R7W**	40	**HBL5100P7W**	**HBL5100B7W**	**BB100N**	**PC100**
100	4P 5W			3ØY 120/208V	**HBLS5100C9W***	**HBLS5100R9W***	15	**HBL5100P9W**	**HBL5100B9W**	**BB100N**	**PC100**

*Note: *Certain IEC configurations allow for a single product to be certified as both a North American (Series 2) and International amperage (Series 1). These products are marked accordingly with both the UL Listing and UL Classified markings.*
***Mating plug or inlet required to maintain 4X/IP69k ratings when used with ADVANTAGE™ series connections.*

Advantage™ Pin and Sleeve Communication Circuit

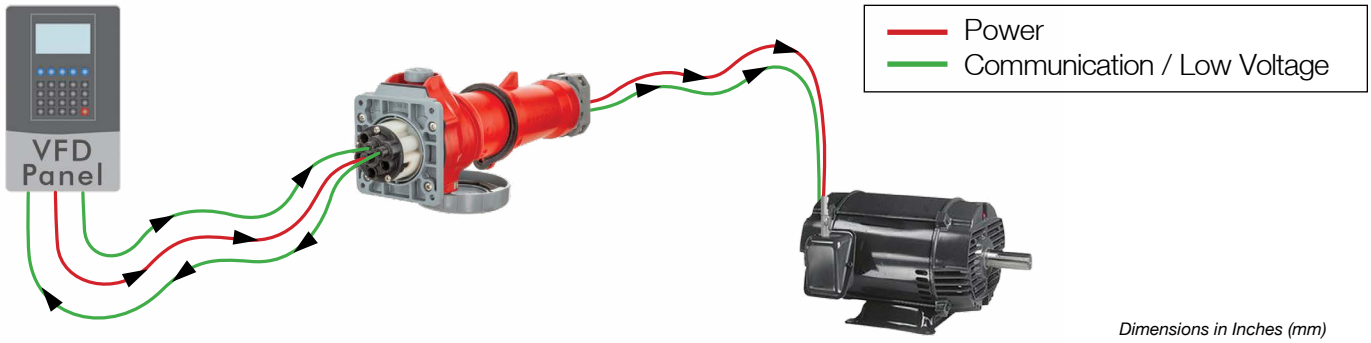
Hubbell's innovative Advantage™ Series Switch-Rated pin and sleeve are available with three optional Control Contacts. These break before main contacts can be used to communicate with auxiliary devices such as PLCs and VFDs.

Control circuit versions are available in 3 pole 4 wire configurations and have a voltage range of 125V up to 600V. To help support facility control, the oversized ground contact is clocked at either 5 or 7 o'clock to help prevent mismating of unlike voltages.



Rating						Pin and Sleeve Devices						
Amps	Poles And Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage		Connector	Receptacle	HP	Mating Plug	IP67 Inlet	Back Boxes	Closure Caps
30	3P 4W			Max 600V AC		**HBLS430C7WC**	**HBLS430R7WC**	**20**	**HBL430P7WC**	**HBL430B7WC**	**BB2030N**	**PC530**
30	3P 4W			Max 600V AC		**HBLS430C5WC**	**HBLS430R5WC**	**30**	**HBL430P5WC**	**HBL430B5WC**	**BB2030N**	**PC530**
60	3P 4W			Max 600V AC		**HBLS460C7WC**	**HBLS430R7WC**	**30**	**HBL460P7V02**	**HBL460B7WC**	**BB60N**	**PC60**
60	3P 4W			Max 600V AC		**HBLS460C5WC**	**HBLS430R5WC**	**40**	**HBL460P5WC**	**HBL460B5WC**	**BB60N**	**PC60**

Wiring Schematic



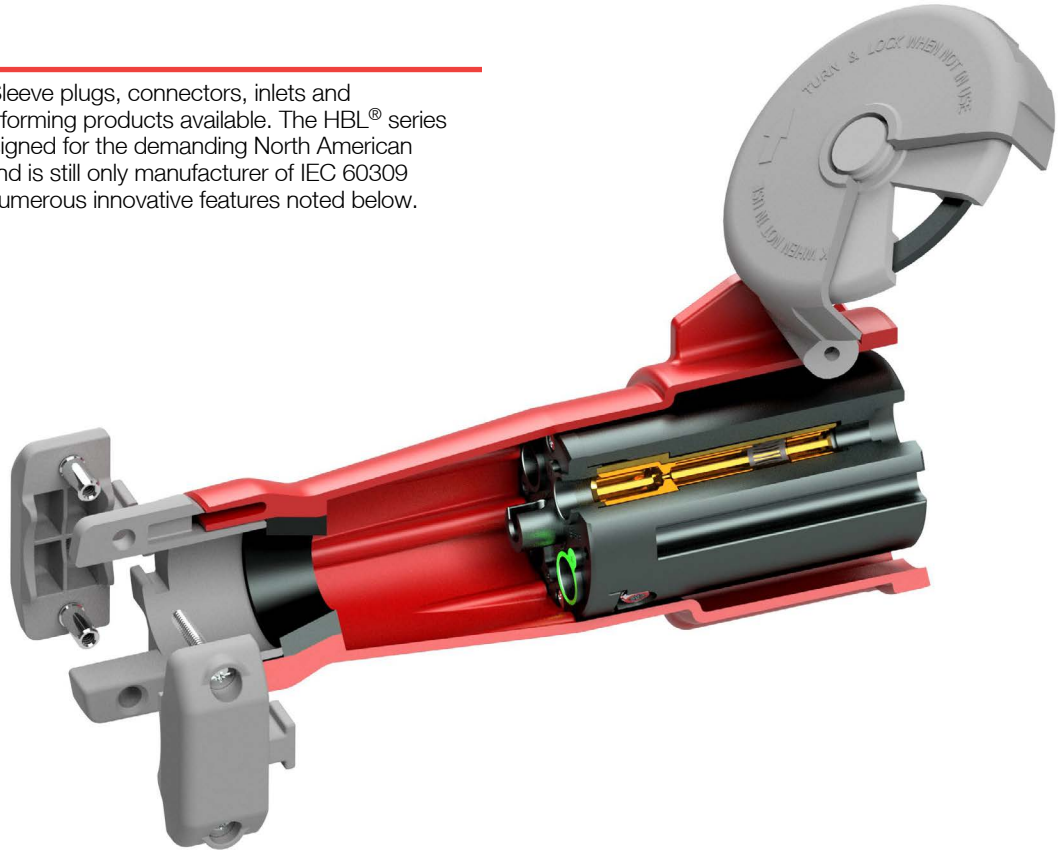
Dimensions in Inches (mm)

Features and Benefits

TYPE 4X, 12

Watertight Devices

Hubbell's IEC 60309 Pin and Sleeve plugs, connectors, inlets and receptacles are the highest performing products available. The HBL® series of IEC pin and sleeve were designed for the demanding North American market. Hubbell was the first and is still only manufacturer of IEC 60309 devices in the USA and have numerous innovative features noted below.





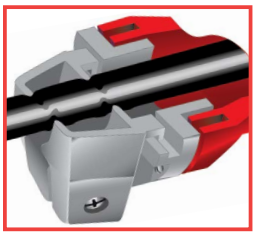
Housing Design

- Insulated non-metallic housing, super tough, non-conductive and chemical resistant for heavy duty industrial environments
- IEC pin and sleeve devices are color coded by voltage for easy identification
- Self-closing gasketed cover, detents into position to fully close automatically



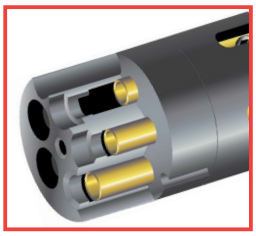
Liquidtight Conduit Adapters

- Aluminum or non-metallic adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector



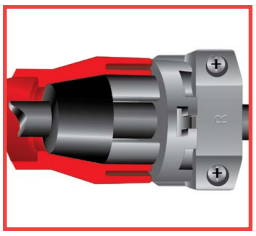
Powerful Mechanical Cord Grip

- Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations
- Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention



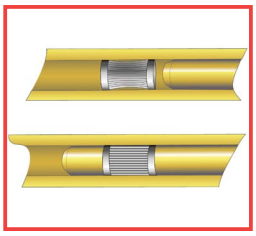
Sequential Contact Engagement

- Ground makes first and breaks last. Neutral makes second and breaks second (to prevent a momentary over-voltage on components connected phase to neutral)
- Phase contacts make last and break first



Watertight Cord Entrance

- The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord
- Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance



Multi-Contact Spring

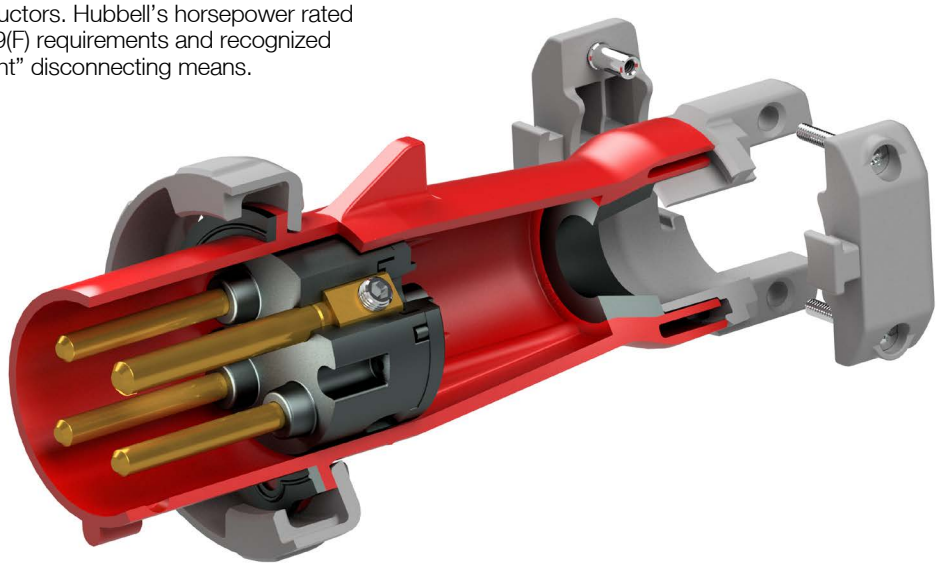
- (60/63 and 100/125 Amp) Recessed within the female sleeve, provides and maintains high unit pressure on mating pins to minimize temperature rise
- Broaches oxide film to achieve low resistance contact for cooler operation

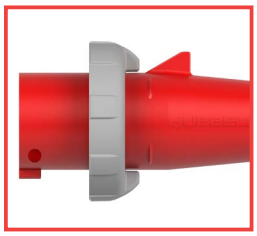
Features and Benefits

TYPE 4X, 12

Watertight Devices

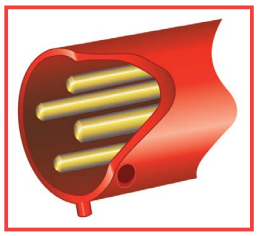
The IEC line of plugs and connectors are made with a rugged super tough, one-piece housing. The thermoset polyester contact carrier provides a high resistance to electrical tracking. They withstand higher temperatures which may result from overload or arcing. The heavy-duty, external cord grip provides superior strain relief on the conductors. Hubbell's horsepower rated plugs and receptacles meet NEC 430.109(F) requirements and recognized as an approved disconnecting/"line of sight" disconnecting means.





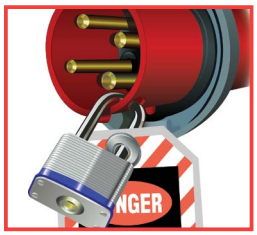
Housing Design

- Rugged one-piece housing, thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants
- Amperage/voltage rating and catalog number molded in housing for easy identification



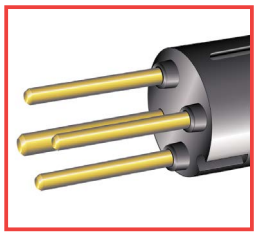
Shrouded Pins

- Super tough plug shroud protects pins from deforming from physical abuse
- Protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts
- Solid one-piece pins, machined from solid brass for longer life and reliable electrical contact



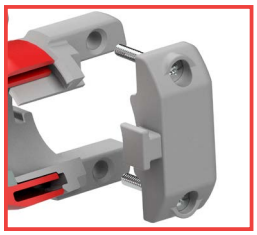
Safety

- Lockout/Tagout, tapered opening on plug shroud accommodates up to ⅜ inch (9.7mm) lock shackle diameter



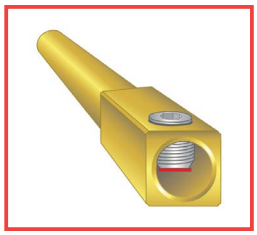
Thermoset Polyester Contact Carrier

- Molded thermoset polyester provides high resistance to electrical tracking
- Withstands higher temperatures which may result from overload or arcing
- Thermoset properties provide dimensional stability for this critical assembly



Cord Grips

- Heavy duty external cord grips provide maximum cord retention to maintain secure terminations



Swivel Pressure Pads

- 16/20 and 30/32 Amp devices feature patented swiveling pressure pad terminal screws and prevent damage to conductor strands. 60/63 and 100/125 Amp devices feature large hex-head stainless steel screws which provide higher torque levels for secure terminations

Pin and Sleeve Devices/Mechanical Interlocks

TYPE 4X, 12

Rating					Watertight Devices				Accessories			Replacement Interiors	
		Configuration											
Amps	Poles and Wires	Recep./ Conn.	Plug/ Inlet	AC Voltage	Receptacle	Plug	Connector	Inlet	Back Boxes Non-Metallic	Back Boxes Metallic*	Closure Caps	Recep./ Conn.	Plug/ Inlet
16	2P 3W			100-130V	HBL316R4W	HBL316P4W	HBL316C4W	HBL316B4W†	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
20	2P 3W			125V	HBL320R4W	HBL320P4W	HBL320C4W	HBL320B4W	BB2030N	BB201W BB301W	PC320	IN320AF	IN320AM
16/20	2P 3W			220-240V 250V	HBL320R6W	HBL320P6W	HBL320C6W	HBL320B6W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
20	2P 3W			480V	HBL320R7W	HBL320P7W	HBL320C7W	HBL320B7W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
20	3P 4W			125/250V	HBL420R12W	HBL420P12W	HBL420C12W	HBL420B12W	BB2030N	BB201W BB301W	PC420	IN420CF	IN420CM
16/20	3P 4W			380-415V	HBL420R6W	HBL420P6W	HBL420C6W	HBL420B6W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	3P 4W			3Ø 250V	HBL420R9W	HBL420P9W	HBL420C9W	HBL420B9W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
20	3P 4W			3Ø 480V	HBL420R7W	HBL420P7W	HBL420C7W	HBL420B7W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
20	3P 4W			3Ø 600V	HBL420R5W	HBL420P5W	HBL420C5W	HBL420B5W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
16/20	4P 5W			220/380V 240/415V	HBL520R6W	HBL520P6W	HBL520C6W	HBL520B6W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
	4P 5W			3ØY 120/208V	HBL520R9W	HBL520P9W	HBL520C9W	HBL520B9W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
20	4P 5W			3ØY 277/480V	HBL520R7W	HBL520P7W	HBL520C7W	HBL520B7W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
20	4P 5W			3ØY 347/600V	HBL520R5W	HBL520P5W	HBL520C5W	HBL520B5W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
30	2P 3W			125V	HBL330R4W	HBL330P4W	HBL330C4W	HBL330B4W	BB2030N	BB201W BB301W	PC3430	IN330AF	IN330AM†
30/32	2P 3W			220-240V 250V	HBL330R6W	HBL330P6W	HBL330C6W	HBL330B6W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
30	2P 3W			480V	HBL330R7W	HBL330P7W	HBL330C7W	HBL330B7W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
30	3P 4W			125/250V	HBL430R12W	HBL430P12W	HBL430C12W	HBL430B12W	BB2030N	BB201W BB301W	PC3430	IN430CF	IN430CM
30/32	3P 4W			380-415V	HBL430R6W	HBL430P6W	HBL430C6W	HBL430B6W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	3P 4W			3Ø 250V	HBL430R9W	HBL430P9W	HBL430C9W	HBL430B9W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
30	3P 4W			3Ø 480V	HBL430R7W	HBL430P7W	HBL430C7W	HBL430B7W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
30	3P 4W			3Ø 600V	HBL430R5W	HBL430P5W	HBL430C5W	HBL430B5W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
30/32	4P 5W			220/380V 240/415V	HBL530R6W	HBL530P6W	HBL530C6W	HBL530B6W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
	4P 5W			3ØY 120/208V	HBL530R9W	HBL530P9W	HBL530C9W	HBL530B9W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
30	4P 5W			3ØY 277/480V	HBL530R7W	HBL530P7W	HBL530C7W	HBL530B7W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
30	4P 5W			3ØY 347/600V	HBL530R5W	HBL530P5W	HBL530C5W	HBL530B5W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
32	2P 3W			100-130V	HBL332R4W†	HBL332P4W†	HBL332C4W†	HBL332B4W†	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
32	3P 4W			380V 50Hz 440V 60Hz	HBL432R3W	HBL432P3W	HBL432C3W	HBL432B3W†	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM

Note: See page G-28 and G-29 for back boxes and accessories, G-34 and G-35 for product dimensions, G-14 and G-15 for product specifications and HP ratings.
See page G-29 for closure caps, purchased separately. PC320, PC420, PC520, PC3430, PC530 are not UL or CSA.
**These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*
†Consult factory.
See 20, 30, 60 & 100 amp offering for additional dual rated devices for use at either 16A or 20A, 30A or 32A, 60A or 63A and 100A or 125A.

TYPE 4X, 12

Rating					Watertight Devices				Accessories			Replacement Interiors	
Amps	Poles and Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	Receptacle	Plug	Connector	Inlet	Back Boxes Non-Metallic	Back Boxes Metallic*	Closure Caps	Recep./ Conn.	Plug/ Inlet
60	2P 3W			125V	HBL360R4W	HBL360P4W	HBL360C4W	HBL360B4W	BB60N	BB601W BB602W	PC60	IN360AF	IN360AM
60/63	2P 3W			220-240V 250V	HBL360R6W	HBL360P6W	HBL360C6W	HBL360B6W	BB60N	BB601W BB602W	PC60	IN360BF	IN360BM†
60	2P 3W			480V	HBL360R7W	HBL360P7W	HBL360C7W	HBL360B7W	BB60N	BB601W BB602W	PC60	IN360BF	IN360BM†
60	3P 4W			125/250V	HBL460R12W	HBL460P12W	HBL460C12W	HBL460B12W	BB60N	BB601W BB602W	PC60	IN460CF	IN460CM
60/63	3P 4W			380-415V	HBL460R6W	HBL460P6W	HBL460C6W	HBL460B6W	BB60N	BB601W BB602W	PC60	IN460DFS	IN460DMS
	3P 4W			3Ø 250V	HBL460R9W	HBL460P9W	HBL460C9W	HBL460B9W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
60	3P 4W			3Ø 480V	HBL460R7W	HBL460P7W	HBL460C7W	HBL460B7W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
60	3P 4W			3Ø 600V	HBL460R5W	HBL460P5W	HBL460C5W	HBL460B5W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
60/63	4P 5W			220/380V 240/415V	HBL560R6W	HBL560P6W	HBL560C6W	HBL560B6W	BB60N	BB601W BB602W	PC60	IN560EFS†	IN560EMS
	4P 5W			3ØY 120/208V	HBL560R9W	HBL560P9W	HBL560C9W	HBL560B9W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM†
60	4P 5W			3ØY 277/480V	HBL560R7W	HBL560P7W	HBL560C7W	HBL560B7W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM†
60	4P 5W			3ØY 347/600V	HBL560R5W	HBL560P5W	HBL560C5W	HBL560B5W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM†
100	2P 3W			125V	HBL3100R4W	HBL3100P4W	HBL3100C4W	HBL3100B4W	BB100N	BB1001W BB1002W	PC100	IN3100AF	IN3100AM
100	2P 3W			250V	HBL3100R6W	HBL3100P6W	HBL3100C6W	HBL3100B6W	BB100N	BB1001W BB1002W	PC100	IN3100BF	IN3100BM†
100	2P 3W			480V	HBL3100R7W	HBL3100P7W	HBL3100C7W	HBL3100B7W	BB100N	BB1001W BB1002W	PC100	IN3100BF	IN3100BM†
100	3P 4W			125/250V	HBL4100R12W	HBL4100P12W	HBL4100C12W	HBL4100B12W	BB100N	BB1001W BB1002W	PC100	IN4100CF†	IN4100CM
100/ 125	3P 4W			380-415V	HBL4100R6W	HBL4100P6W	HBL4100C6W	HBL4100B6W	BB100N	BB1001W BB1002W	PC100	IN4100DFS	IN4100DMS
	3P 4W			3Ø 250V	HBL4100R9W	HBL4100P9W	HBL4100C9W	HBL4100B9W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
100	3P 4W			3Ø 480V	HBL4100R7W	HBL4100P7W	HBL4100C7W	HBL4100B7W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
100	3P 4W			3Ø 600V	HBL4100R5W	HBL4100P5W	HBL4100C5W	HBL4100B5W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
100/ 125	4P 5W			220/380V 240/415V	HBL5100R6W	HBL5100P6W	HBL5100C6W	HBL5100B6W	BB100N	BB1001W BB1002W	PC100	IN5100EFS	IN5100EMS
	4P 5W			3ØY 120/208V	HBL5100R9W	HBL5100P9W**	HBL5100C9W	HBL5100B9W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
100	4P 5W			3ØY 277/480V	HBL5100R7W	HBL5100P7W	HBL5100C7W	HBL5100B7W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
100	4P 5W			3ØY 347/600V	HBL5100R5W	HBL5100P5W	HBL5100C5W	HBL5100B5W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM

Note: See page G-28 and G-29 for back boxes and accessories, G-34 and G-35 for product dimensions, G-14 and G-15 for product specifications and HP ratings.
See page G-29 for closure caps, purchased separately. PC60 and PC100 are not UL or CSA.
**These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*
***Short housing plug HBL5100P9WSH. IP22 suitability.*
†Consult factory.

Pin and Sleeve Devices/Mechanical Interlocks

TYPE 4X

Corrosion Resistant Devices that Withstand the Most Abusive Environments

Hubbell offers a superior grade of 100A IEC Pin and Sleeve designed for use in the most demanding environments. These devices feature nickel plated solid brass pins for long life and reliable electrical contact in the most corrosive environments. They have a high visibility yellow supertough nylon housing. The heavy duty external cord clamps provide maximum cord retention to maintain secure terminations. The screws and fasteners are made from stainless steel.



- Food Processing
- Factory



- Water Treatment
- Washdown
- Temporary Power



- Meat Packing
- Construction



- Agriculture
- Outdoor Entertainment

Standard Service

Rating					Watertight Devices			Accessories		
								 Back Boxes		
Amps	Poles And Wires	Configuration Recep./ Conn.	Plug	AC Voltage	Receptacle	Plug	Connector	Non-Metallic	Metallic*	Closure Caps
100	3P 4W			125/250V	**M4100R12**	**M4100P12**	**M4100C12**	**BB100N**	**BB1001W BB1002W**	**PC100**
	4P 5W			3ØY 120/208V	**M5100R9**	**M5100P9**	**M5100C9**	**BB100N**	**BB1001W BB1002W**	**PC100**
	4P 5W			3ØY 277/480V	**M5100R7**	**M5100P7**	**M5100C7**	**BB100N**	**BB1001W BB1002W**	**PC100**

"Reverse Service"

Rating					Watertight Devices			Accessories		
								 Back Boxes		
Amps	Poles And Wires	Configuration Conn.	Inlet	AC Voltage	Inlet	Plug	Connector	Non-Metallic	Metallic*	Closure Caps
100	3P 4W			125/250V	**M4100B12R**	—	**M4100C12R**	**BB100N**	**BB1001W BB1002W**	**PC100**
	4P 5W			3ØY 120/208V	**M5100B9R**	—	**M5100C9R**	**BB100N**	**BB1001W BB1002W**	**PC100**
	4P 5W			3ØY 277/480V	**M5100B7R**	—	**M5100C7R**	**BB100N**	**BB1001W BB1002W**	**PC100**

*Note: *These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*
See page AA-19 for corrosion resistant cord sets.

Data Center DC Rated Pin and Sleeve Devices

TYPE 4X, 12

In today's environmentally conscious world, energy savings is a pinnacle part of going green. DC (Direct Current) is being used to reduce power consumption and decrease the amount of infrastructure needed to energize specific types of data center equipment. Electrical devices provide a means of connecting DC power.

Hubbell is the first manufacturer to introduce a series of IEC Pin and Sleeve devices configured for the UL1686 eight o'clock ground position for DC voltage (Disconnecting use only). Hubbell's IEC DC rated pin and sleeve line has been qualified by UL to the requirements of DC voltage. The thermoset polyester contact carrier provide high resistance to electrical tracking, it withstands higher temperatures for this type of demanding application. The solid one-piece pins are machined from solid brass for longer life and reliable electrical contact. In addition, the heavy-duty external cord grips provide maximum cord retention to maintain secure terminations. Finally, the super tough, color coded, non-conductive V-0 rated PBT housing is heavy duty for safety and protecting the internal components.





Rating					Watertight Devices		
							
Amps	Poles And Wires	Configuration Recep./ Conn.	Plug	DC Voltage	Receptacle	Plug	Connector
30	2P 3W			550V	**HBL330R8WDC**	**HBL330P8V0DC**	**HBL330C8V0DC**
60	2P 3W			550V	**HBL360R8WDC***	**HBL360P8V0DC**	**HBL360C8V0DC**
100	2P 3W			550V	**HBL3100R8WDC**	**HBL3100P8V0DC**	**HBL3100C8V0DC**
	4P 5W			400V	**HBL5100R8WDC**	**HBL5100P8V0DC**	**HBL5100C8V0DC**

*Note: *Inlet available - HBL360B8WDC.*

Dual Certified Pin and Sleeve Devices

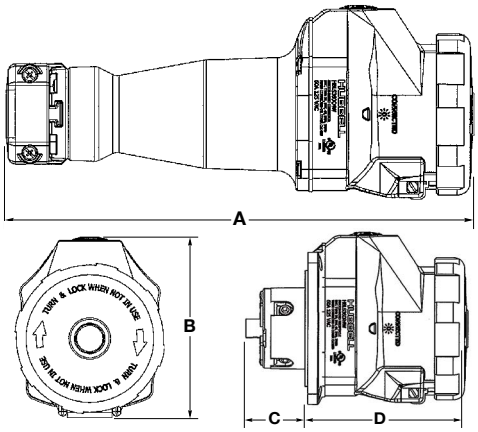
TYPE 4X, 12

Hubbell's dual certified pin and sleeve devices are ideal for the data center and high tech server industry. They are UL Listed to UL1682 for the North American market and are UL Classified Certified for the European and International market. Customers can use the same plug and connector for multiple electrical configurations. They reduce the number of SKU's end users have to use if they sell to both domestic and overseas customers. These devices are IP67 rated, RoHs compliant and showcase all the inherent safety benefits of their V-0 rated PBT housing and internal components.

Rating					Watertight Devices			
								
Amps	Poles And Wires	Configuration Recep./ Conn.	Plug	AC Voltage	Receptacle	Plug	Connector	Inlet
30/32	3P 4W			380-415V	**HBL430R6V02**	**HBL430P6V02**	**HBL430C6V02**	**HBL430B6V02**
	4P 5W			200/346V 240/415V	**HBL530R6V02**	**HBL530P6V02**	**HBL530C6V02**	**HBL530B6V02**
60/63	3P 4W			380-415V	**HBL460R6V02**	**HBL460P6V02**	**HBL460C6V02**	**HBL460B6V02**
	4P 5W			200/346V 240/415V	**HBL560R6V02**	**HBL560P6V02**	**HBL560C6V02**	**HBL560B6V02**

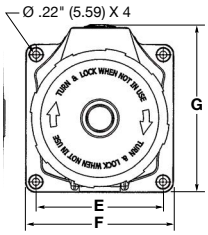
Advantage Series Specifications

Temperature Rise	< 30°C
Dielectric Voltage	Min 2,200V AC
Electrical Life	Min 6,000 Cycles at rated switch load (p.f.= .75-.80)
Max Working Voltage	600V AC
Current Interrupting	Certified for current interrupting at full rated current and voltage
Horsepower Locked Rotor Test	50 Operations at 600% of full load motor current (p.f.= .40-.50)
Short Circuit	100kA when protected by Class J fuse. Also 125A RK1 fuse for 100A devices only
Endurance	Min 10,000 mating cycles
Flammability	V-0
Operating Temperature	Max Continuous +75°C; Min continous -40°C
Environmental	Type 4X, 12 and IP69k
UV Resistance	All materials are UV stabilized



Dimensions

Description	A	B	C	D	E	F	G
	Connector		Receptacle				
30A	9.9" (251.5)	4.5" (114.3)	1.06" (27.2)	3.83" (97.3)	3.13" (79.4)	3.75" (95.2)	4.5" (114.3)
60A	12.22" (310.4)	5.17" (131.3)	1.85" (47.0)	4.77" (121.2)	3.88" (98.6)	4.52" (114.8)	5.09" (129.3)
100A	15.89" (403.6)	5.63" (142.9)	3.08" (78.2)	5.03" (127.6)	4.87" (123.7)	5.63" (142.9)	5.88" (149.3)



Watertight Materials

Part	Material
Plug	
Housing	PBT
Locking Ring	PBT
Sealing Gasket	Solid Neoprene
Cord Clamp	PBT
Gland Cap	PBT
Gland	Solid Neoprene
Cord Clamp Screws	Stainless Steel (300 Series)
Clamp Nut	Nickel-Plated Brass
Gland Clamp Screws	Stainless Steel (300 Series)
Contact Carrier	High-Impact Thermoset
Retainer	High-Impact Thermoset
Ground, Phase Pins	Brass (M-Series - Nickel-plated brass)
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws	Stainless Steel (300 Series)
Connector Body	
Housing	PBT
Cord Clamps	PBT
Glands	Solid Neoprene
Cover Arms	PBT
Arm Springs	Stainless Steel (17-7 type)
Covers	PBT
Cover Screw	Nickel-plated brass
Gaskets	Solid Neoprene
Contact Carrier	High-Impact Thermoset
Retainer	High-Impact Thermoset
Phase, Ground Sleeves	Brass
Sleeve Spring	20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws	Stainless Steel (300 Series)

Part	Material
Inlet	
Housing	PBT
Locking Ring	PBT
Mounting Flange	PBT
Mounting Screws	Stainless Steel (300 Series)
Contact Carrier	High-Impact Thermoset
Retainer	High-Impact Thermoset
Ground, Phase Pins	Brass (M-Series - Nickel-plated brass)
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws (2)	Stainless Steel (300 Series)
Gaskets	Solid Neoprene
Receptacle	
Housing	PBT
Mounting Flange	PBT
Arm Spring	Stainless Steel (17-7 type)
Cover Arm	PBT
Cover	PBT
Cover Screw	Nickel-plated brass
Gaskets	Solid Neoprene
Mounting Screws	Stainless Steel (300 Series)
Terminal Screws	Stainless Steel (300 Series)
Phase, Ground Sleeves	Brass
Sleeve Spring	20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating

Specifications

Typical Specification	
Manufacturer's Identification	Hubbell HBL520P9W
Description	Plug, Power Supply
Type	3 Pole + Neutral + Earth
Rating	20A, 120/208V AC, 3 Phase WYE
Configuration	UL 1686 C2, IEC 60309-2, Clock Position 9, Watertight
Certification	UL Listed, File E146032 Receptacles and Inlets, E146033 Plugs and Connectors, UL Standard UL1682 and UL 1686C2, CSA Certified File LR280C for Plugs, Connectors Inlets and LR285C for Receptacle CSA StandardC22.2 No. 182.1, UL Classified to IEC 60309-1 IEC 60309-2

Listed to standard UL1682/CSA C22.2 No. 182.1-02, Plugs, Receptacles and cable connectors of the Pin and Sleeve Type.

UL Classified to IEC Standards 60309-1 (Plugs, Socket Outlets, and Couplers for Industrial Purposes) for Series I (European) rated voltages and services.

When used with cord, these devices require no further investigation by UL for equipment Classification to IEC 435 or IEC 380.

PBT is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Performance

Electrical	
Dielectric Withstand Voltage	3000V AC.
Max. Working Voltage	600V RMS (i.e., minimum creepage distance 10 millimeters, minimum clearance 8 millimeters, per IEC 60309-1 for devices rated over 500V).
Current Interrupting	Certified for current interrupting at full rated current (Except DC rated devices).
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Endurance	5,000 connect and disconnect cycles with load for 16A and 20A, 1,000 cycles with load and 1,000 cycles without load for 30A, 32A, 60A and 63A, and 250 cycles with load and 250 cycles without load for 100A and 125A.
Mechanical	
Impact Resistance	Per CSA C22.2 No. 182.1 / UL1682.
Cord Grip Cable Retention	Per CSA C22.2 No. 182.1 / UL1682.
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49 and the harmonized <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with North American and IEC conventions.
Product Identification	Identification and ratings are a permanent part of the device housing.
Environmental	
Moisture Resistance	Watertight per IEC 60309-1.
Ingress Protection	TYPE 4X, 12 and IP69K.
Flammability	V.0.
Operating Temperatures	Maximum Continuous 75°C; Minimum - 40°C without impact.
Materials	
Housings	PBT.
All Other Materials	Resistant to corrosion and chemical attack.

Note: Specification sheets for all other Pin and Sleeve catalog numbers are available upon request.

Horsepower Ratings for Hubbell IEC Pin and Sleeve Devices*

Single Phase

Amps	Wire Count	Voltage	Clock	Catalog Number	HP Rating
20	3	125V	4	**HBL320x4W**	1
20	3	250V	6	**HBL320x6W**	2
20	3	480V	7	**HBL320x7W**	5
20	4	125/250 (208L-L)	12	**HBL420x12W**	2
20	4	125/250 (250L-L)	12	**HBL420x12W**	2
20	4	125/250 (125L-N)	12	**HBL420x12W**	1
30	3	125V	4	**HBL330x4W**	2
30	3	250V	6	**HBL330x6W**	3
30	3	480V	7	**HBL330x7W**	7.5
30	3	550VDC	8	**HBL330X8**	N/A
30	4	125/250 (208L-L)	12	**HBL430x12W**	3
30	4	125/250 (250L-L)	12	**HBL430x12W**	3
30	4	125/250 (125L-N)	12	**HBL430x12W**	2
60	3	125V	4	**HBL360x4W**	2
60	3	250V	6	**HBL360x6W**	3
60	3	480V	7	**HBL360x7W**	7.5
60	3	250VDC	3	**HBL360x3W**	N/A
60	3	550VDC	8	**HBL360x8W**	N/A
60	4	125/250 (208L-L)	12	**HBL460x12W**	3
60	4	125/250 (250L-L)	12	**HBL460x12W**	3
60	4	125/250 (125L-N)	12	**HBL460x12W**	2
100	3	125V	4	**HBL3100x4W**	5
100	3	250V	6	**HBL3100x6W**	15
100	3	480V	7	**HBL3100x7W**	30
100	3	250VDC	3	**HBL3100x3W**	N/A
100	3	550VDC	8	**HBL3100x8W**	N/A
100	4	125/250 (208L-L)	12	**HBL4100x12W**	10
100	4	125/250 (250L-L)	12	**HBL4100x12W**	15
100	4	125/250 (125L-N)	12	**HBL4100x12W**	5

3-Phase

Amps	Wire Count	Voltage	Clock	Catalog Number	HP Rating
20	4	3Ø 250V	9	**HBL420x9W**	5
20	4	3Ø 480V	7	**HBL420x7W**	10
20	4	3Ø 600V	5	**HBL420x5W**	10
20	4	3Ø 380-415V	6	**HBL420x6W**	7.5
20	5	3ØY 120/208V	9	**HBL520x9W**	3
20	5	3ØY 277/480V	7	**HBL520x7W**	10
20	5	3ØY 347/600V	5	**HBL520x5W**	10
20	5	3Ø 240/415V	6	**HBL520x6W**	5
30	4	3Ø 250V	9	**HBL430x9W**	7.5
30	4	3Ø 480V	7	**HBL430x7W**	15
30	4	3Ø 600V	5	**HBL430x5W**	20
30	5	3ØY 120/208V	9	**HBL530x9W**	5
30	5	3ØY 277/480V	7	**HBL530x7W**	15
30	5	3ØY 347/600V	5	**HBL530x5W**	20
30	4	3Ø 380/415V	6	**HBL430x6W**	10
30	5	3Ø 200/346-240/415	6	**HBL530x6W**	10
60	4	3Ø 250V	9	**HBL460x9W**	7.5
60	4	3Ø 480V	7	**HBL460x7W**	20
60	4	3Ø 600V	5	**HBL460x5W**	25
60	4	3Ø 380-415VAC	6	**HBL460x6W**	10
60	5	3ØY 120/208V	9	**HBL560x9W**	7.5
60	5	3ØY 277/480V	7	**HBL560x7W**	20
60	5	3ØY 347/600V	5	**HBL560x5W**	25
60	5	3Ø 200/346-240/415	6	**HBL560x6W**	10
100	4	3Ø 250V	9	**HBL4100x9W**	15
100	4	3Ø 480V	7	**HBL4100x7W**	40
100	4	3Ø 600V	5	**HBL4100x5W**	50
100	4	3Ø 380-415V	6	**HBL4100x6W**	30
100	5	3ØY 200/346-240/415V	6	**HBL5100x6W**	30
100	5	400VDC	8	**HBL5100x8W**	N/A
100	5	3ØY 120/208V	9	**HBL5100x9W**	15
100	5	3ØY 277/480V	7	**HBL5100x7W**	40
100	5	3ØY 347/600V	5	**HBL5100x5W**	50

*Note: *Horsepower Ratings are NOT standardized amongst different Pin and Sleeve manufacturers.*

Hubbell-PRO Commercial Pin and Sleeve Devices

Hubbell has the IEC Pin and Sleeve Solution — No Matter what Environment or Application! Hubbell-PRO pin and sleeve is value engineered for commercial and light duty applications. Devices are UL certified conforming to IEC 60309, UL 1682 and are dual-rated where applicable. North American devices are offered in 20A, 30A, 60A and 100A; European devices are available in 16A, 32A, 63A and 125A versions. A complete line of watertight and splash proof versions are available. Numerous features provide installation efficiencies including Edge Series Screwless terminations, glandless water ingress protection, bulk packs and NPT threaded versions for adapter free installations for liquid light applications.



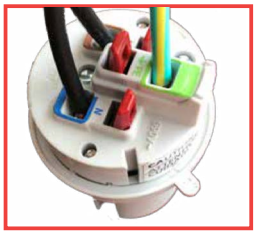
IP67



IP44



Liquid Tight



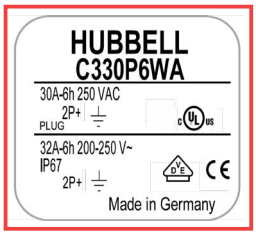
Edge Series Screwless Terminations

- Strong spring continuously applies pressure as strands relax
- Eliminates timely step of ferrules
- No Torque screwdriver required



Glandless Water Ingress Protection –

- Integral and permanently attached to the device
- Available in either IP44 of IP67 Water ingress protection



Dual Rated Devices

- Single SKU certified for use in North America and Internationally
- Accepts full range of UL and VDE approved cable



Back Boxes and accessories

- A complete line of metallic and non-metallic back boxes
- Adapter plates allow receptacles and inlets to be mounted to Hubbell Back Boxes



Screwless Two Piece Housing 60A – 125A devices

- Single Push Tab Secures Housing & IP67 Rating



Liquid Tight Versions:

- Integral NPT threaded back housing directly accepts liquid tight fittings

Watertight Series
North American Ratings

IP67 SUITABILITY

Amps	Dual Rated:	Ratings	Watertight IP67 Suitability			
			Inlet*	Connector	Plug	Receptacle
16 & 20		2P/3W, 20A 125V AC	**C320B4WA**	**C320C4WA**	**C320P4WA**	**C320R4WA**
	Dual Rated:	2P/3W, 20A 250V AC/16A 220-240V	**C320B6WA**	**C320C6WA**	**C320P6WA**	**C320R6WA**
		2P/3W, 20A 480V AC	**C320B7WA**	**C320C7WA**	**C320P7WA**	**C320R7WA**
		3P/4W, 20A 3P 600V	**C420B5WA**	**C420C5WA**	**C420P5WA**	**C420R5WA**
	Dual Rated:	2P/3W, 20A 250V AC/16A 220-240V	**C420B6WA**	**C420C6WA**	**C420P6WA**	**C420R6WA**
		3P/4W, 20A 3P 480V	**C420B7WA**	**C420C7WA**	**C420P7WA**	**C420R7WA**
	Dual Rated:	3P/4W, 16/20A 3P 250 VAC	**C420B9WA**	**C420C9WA**	**C420P9WA**	**C420R9WA**
		4P/5W, 20A 347/600V	**C520B5WA**	**C520C5WA**	**C520P5WA**	**C520R5WA**
	Dual Rated:	4P/5W,16/20A 200-415V AC	**C520B6WA**	**C520C6WA**	**C520P6WA**	**C520R6WA**
		4P/5W, 20A 277/480V	**C520B7WA**	**C520C7WA**	**C520P7WA**	**C520R7WA**
	Dual Rated:	4P/5W,16/20A 120/208V	**C520B9WA**	**C520C9WA**	**C520P9WA**	**C520R9WA**
30 & 32		2P/3W, 30A 125V AC	**C330B4WA**	**C330C4WA**	**C330P4WA**	**C330R4WA**
	Dual Rated:	2P/3W, 30A 250V/32A 220-240V	**C330B6WA**	**C330C6WA**	**C330P6WA**	**C330R6WA**
		2P/3W, 30A 480V AC	**C330B7WA**	**C330C7WA**	**C330P7WA**	**C330R7WA**
		3P/4W, 30A 3P 600V	**C430B5WA**	**C430C5WA**	**C430P5WA**	**C430R5WA**
	Dual Rated:	3P/4W, 30/32A 380-415V AC	**C430B6WA**	**C430C6WA**	**C430P6WA**	**C430R6WA**
		3P/4W, 30A 3P 480V	**C430B7WA**	**C430C7WA**	**C430P7WA**	**C430R7WA**
	Dual Rated:	3P/4W, 30/32A 3P 250 VAC	**C430B9WA**	**C430C9WA**	**C430P9WA**	**C430R9WA**
		4P/5W, 30A 347/600V	**C530B5WA**	**C530C5WA**	**C530P5WA**	**C530R5WA**
	Dual Rated:	4P/5W, 30/32A 200-415V AC	**C530B6WA**	**C530C6WA**	**C530P6WA**	**C530R6WA**
		4P/5W, 30A 277/480V	**C530B7WA**	**C530C7WA**	**C530P7WA**	**C530R7WA**
	Dual Rated:	4P/5W, 30/32A 120/208V	**C530B9WA**	**C530C9WA**	**C530P9WA**	**C530R9WA**
60 & 63		2P/3W, 60A 125V AC	**C360B4WA**	**C360C4WA**	**C360P4WA**	**C360R4WA**
	Dual Rated:	2P/3W, 60A 250V/63A 220-240V	**C360B6WA**	**C360C6WA**	**C360P6WA**	**C360R6WA**
		2P/3W, 60A 480V AC	**C360B7WA**	**C360C7WA**	**C360P7WA**	**C360R7WA**
		3P/4W, 60A 3P 600V	**C460B5WA**	**C460C5WA**	**C460P5WA**	**C460R5WA**
	Dual Rated:	3P/4W, 60/63A 380-415V AC	**C460B6WA**	**C460C6WA**	**C460P6WA**	**C460R6WA**
		3P/4W, 60A 3P 480V	**C460B7WA**	**C460C7WA**	**C460P7WA**	**C460R7WA**
	Dual Rated:	3P/4W, 60/63A 3P 250 VAC	**C460B9WA**	**C460C9WA**	**C460P9WA**	**C460R9WA**
		4P/5W, 60A 347/600V	**C560B5WA**	**C560C5WA**	**C560P5WA**	**C560R5WA**
	Dual Rated:	4P/5W, 60/63A 200-415V AC	**C560B6WA**	**C560C6WA**	**C560P6WA**	**C560R6WA**
		4P/5W, 60A 277/480V	**C560B7WA**	**C560C7WA**	**C560P7WA**	**C560R7WA**
	Dual Rated:	4P/5W, 60/63A 120/208V	**C560B9WA**	**C560C9WA**	**C560P9WA**	**C560R9WA**

See page G-28 for Back Boxes and G-36 for product dimensions.

** Adapter plates required for mounting to Hubbell back boxes. 20& 30A use AP2030, 60A use AP60 and 100A use AP100.*

Watertight Series
North American Ratings (Cont'd)

Amps	Dual Rated:	Ratings	Watertight IP67 Suitability			
			Inlet*	Connector	Plug	Receptacle*
100 & 125	Dual Rated:	2P/3W, 100A 250V AC/125A 220-240V	**C3100B6WA**	**C3100C6WA**	**C3100P6WA**	**C3100R6WA**
		2P/3W, 100A 480V AC	**C3100B7WA**	**C3100C7WA**	**C3100P7WA**	**C3100R7WA**
		3P/4W, 100A 3P 600V	**C4100B5WA**	**C4100C5WA**	**C4100P5WA**	**C4100R5WA**
	Dual Rated:	3P/4W, 100/125A 380-415V AC	**C4100B6WA**	**C4100C6WA**	**C4100P6WA**	**C4100R6WA**
		3P/4W, 100A 3P 480V	**C4100B7WA**	**C4100C7WA**	**C4100P7WA**	**C4100R7WA**
	Dual Rated:	3P/4W, 100/125A 3P 250 VAC	**C4100B9WA**	**C4100C9WA**	**C4100P9WA**	**C4100R9WA**
		4P/5W, 100A 347/600V	**C5100B5WA**	**C5100C5WA**	**C5100P5WA**	**C5100R5WA**
	Dual Rated:	4P/5W, 100/125A 200-415V AC	**C5100B6WA**	**C5100C6WA**	**C5100P6WA**	**C5100R6WA**
		4P/5W, 100A 277/480V	**C5100B7WA**	**C5100C7WA**	**C5100P7WA**	**C5100R7WA**
	Dual Rated:	4P/5W, 100/125A 120/208V	**C5100B9WA**	**C5100C9WA**	**C5100P9WA**	**C5100R9WA**

Watertight Series
International Ratings

Amps	Ratings	Watertight IP67 Suitability			
		Inlet*	Connector	Plug	Receptacle*
16A	2P/3W, 16A 100-130V	**C316B4WA**	**C316C4WA**	**C316P4WA**	**C316R4WA**
	2P/3W, 16A 220-240V	**C316B6WA**	**C316C6WA**	**C316P6WA**	**C316R6WA**
	2P/3W, 16A 380-415V	**C416B6WA**	**C416C6WA**	**C416P6WA**	**C416R6WA**
	4P/5W, 16A 200-415V	**C516B6WA**	**C516C6WA**	**C516P6WA**	**C516R6WA**
32A	2P/3W, 32A 100-130V	**C332B4WA**	**C332C4WA**	**C332P4WA**	**C332R4WA**
	2P/3W, 32A 220-240V	**C332B6WA**	**C332C6WA**	**C332P6WA**	**C332R6WA**
	3P/4W, 32A 380-480V	**C432B3WA**	**C432C3WA**	**C432P3WA**	**C432R3WA**
	3P/4W, 32A 380-415V	**C432B6WA**	**C432C6WA**	**C432P6WA**	**C432R6WA**
	4P/5W, 32A 200-415V	**C532B6WA**	**C532C6WA**	**C532P6WA**	**C532R6WA**
63A	2P/3W, 63A 220-240V	**C363B6WA**	**C363C6WA**	**C363P6WA**	**C363R6WA**
	3P/4W, 63A 380-415V	**C463B6WA**	**C463C6WA**	**C463P6WA**	**C463R6WA**
	4P/5W, 63A 200-415V	**C563B6WA**	**C563C6WA**	**C563P6WA**	**C563R6WA**
125A	2P/3W, 125A 220-240V	**C3125B6WA**	**C3125C6WA**	**C3125P6WA**	**C3125R6WA**
	3P/4W, 125A 380-415V	**C4125B6WA**	**C4125C6WA**	**C4125P6WA**	**C4125R6WA**
	4P/5W, 125A 200-415V	**C5125B6WA**	**C5125C6WA**	**C5125P6WA**	**C5125R6WA**

See page G-28 for Back Boxes and G-36 for product dimensions.

** Adapter plates required for mounting to Hubbell back boxes. 20& 30A use AP2030, 60A use AP60 and 100A use AP100.*

Splashproof Series
North American Ratings

Amps		Ratings	Splashproof IP44 Suitability			
			Inlet*	Connector	Plug	Receptacle*
16 & 20		2P/3W, 20A 125V AC	C320B4SA	C320C4SA	C320P4SA	C320R4SA
	Dual Rated	2P/3W, 20A 250V AC/16A 220-240V	C320B6SA	C320C6SA	C320P6SA	C320R6SA
		2P/3W, 20A 480V AC	C320B7SA	C320C7SA	C320P7SA	C320R7SA
		3P/4W, 20A 3Ø 600V	C420B5SA	C420C5SA	C420P5SA	C420R5SA
	Dual Rated	2P/3W, 20A 250V AC/16A 220-240V	C420B6SA	C420C6SA	C420P6SA	C420R6SA
		3P/4W, 20A 3Ø 480V	C420B7SA	C420C7SA	C420P7SA	C420R7SA
	Dual Rated	3P/4W, 16/20A 3P 250 VAC	C420B9SA	C420C9SA	C420P9SA	C420R9SA
		4P/5W, 20A 347/600V	C520B5SA	C520C5SA	C520P5SA	C520R5SA
	Dual Rated	4P/5W,16/20A 200-415V AC	C520B6SA	C520C6SA	C520P6SA	C520R6SA
		4P/5W, 20A 277/480V	C520B7SA	C520C7SA	C520P7SA	C520R7SA
	Dual Rated	4P/5W,16/20A 120/208V	C520B9SA	C520C9SA	C520P9SA	C520R9SA
30 & 32		2P/3W, 30A 125V AC	C330B4SA	C330C4SA	C330P4SA	C330R4SA
	Dual Rated	2P/3W, 30A 250V AC/32A 220-240V	C330B6SA	C330C6SA	C330P6SA	C330R6SA
		2P/3W, 30A 480V AC	C330B7SA	C330C7SA	C330P7SA	C330R7SA
		3P/4W, 30A 3Ø 600V	C430B5SA	C430C5SA	C430P5SA	C430R5SA
	Dual Rated	3P/4W, 30/32A 380-415V AC	C430B6SA	C430C6SA	C430P6SA	C430R6SA
		3P/4W, 30A 3Ø 480V	C430B7SA	C430C7SA	C430P7SA	C430R7SA
	Dual Rated	3P/4W, 30/32A 3P 250 VAC	C430B9SA	C430C9SA	C430P9SA	C430R9SA
		4P/5W, 30A 347/600V	C530B5SA	C530C5SA	C530P5SA	C530R5SA
	Dual Rated	4P/5W, 30/32A 200-415V AC	C530B6SA	C530C6SA	C530P6SA	C530R6SA
		4P/5W, 30A 277/480V	C530B7SA	C530C7SA	C530P7SA	C530R7SA
	Dual Rated	4P/5W, 30/32A 120/208V	C530B9SA	C530C9SA	C530P9SA	C530R9SA
60 & 63		2P/3W, 60A 125V AC	C360B4SA	C360C4SA	C360P4SA	C360R4SA
	Dual Rated	2P/3W, 60A 250V AC/63A 220-240V	C360B6SA	C360C6SA	C360P6SA	C360R6SA
		2P/3W, 60A 480V AC	C360B7SA	C360C7SA	C360P7SA	C360R7SA
		3P/4W, 60A 3Ø 600V	C460B5SA	C460C5SA	C460P5SA	C460R5SA
	Dual Rated	3P/4W, 60/63A 380-415V AC	C460B6SA	C460C6SA	C460P6SA	C460R6SA
		3P/4W, 60A 3Ø 480V	C460B7SA	C460C7SA	C460P7SA	C460R7SA
	Dual Rated	3P/4W, 60/63A 3P 250 VAC	C460B9SA	C460C9SA	C460P9SA	C460R9SA
		4P/5W, 60A 347/600V	C560B5SA	C560C5SA	C560P5SA	C560R5SA
	Dual Rated	4P/5W, 60/63A 200-415V AC	C560B6SA	C560C6SA	C560P6SA	C560R6SA
		4P/5W, 60A 277/480V	C560B7SA	C560C7SA	C560P7SA	C560R7SA
	Dual Rated	4P/5W, 60/63A 120/208V	C560B9SA	C560C9SA	C560P9SA	C560R9SA

See page G-28 for Back Boxes. Dimensions are available online.

** Adapter plates required for mounting to Hubbell back boxes. 20& 30A use AP2030, 60A use AP60 and 100A use AP100.*

Splashproof Series
International Ratings

c UL us LISTED

Amps	Ratings		Splashproof IP44 Suitability			
			Inlet	Connector	Plug	Receptacle
16A	2P/3W, 16A 100-130V		C316B4SA	C316C4SA	C316P4SA	C316R4SA
	2P/3W, 16A 220-240V		C316B6SA	C316C6SA	C316P6SA	C316R6SA
	2P/3W, 16A 380-415V		C416B6SA	C416C6SA	C416P6SA	C416R6SA
	4P/5W, 16A 200-415V		C516B6SA	C516C6SA	C516P6SA	C516R6SA
32A	2P/3W, 32A 100-130V		C332B4SA	C332C4SA	C332P4SA	C332R4SA
	2P/3W, 32A 220-240V		C332B6SA	C332C6SA	C332P6SA	C332R6SA
	3P/4W, 32A 380-480V		C432B3SA	C432C3SA	C432P3SA	C432R3SA
	3P/4W, 32A 380-415V		C432B6SA	C432C6SA	C432P6SA	C432R6SA
	4P/5W, 32A 200-415V		C532B6SA	C532C6SA	C532P6SA	C532R6SA
63A	2P/3W, 63A 220-240V		C363B6SA	C363C6SA	C363P6SA	C363R6SA
	3P/4W, 63A 380-415V		C463B6SA	C463C6SA	C463P6SA	C463R6SA
	4P/5W, 63A 200-415V		C563B6SA	C563C6SA	C563P6SA	C563R6SA

Liquid Tight Versions

Amps	Ratings		Liquid Tight Conduit Size	IP67 Connectors	IP44 Connectors	IP67 Plugs*	IP44 Plugs*
30A	5h 3ØY 347/600 V		1/2"	C530C5WLT12	C530C5SLT12	C530P5WA	C530P5SA
30A	5h 3ØY 347/600 V		3/4"	C530C5WLT34	C530C5SLT34	C530P5WA	C530P5SA
30A / 32A	6h 3Ø 200/346-240/415 AC		1/2"	C530C6WLT12	C530C6SLT12	C530P6WA	C530P6SA
30A / 32A	6h 3Ø 200/346-240/415 AC		3/4"	C530C6WLT34	C530C6SLT34	C530P6WA	C530P6SA
30A	7h 3ØY 277/480 V		1/2"	C530C7WLT12	C530C7SLT12	C530P7WA	C530P7SA
30A	7h 3ØY 277/480 V		3/4"	C530C7WLT34	C530C7SLT34	C530P7WA	C530P7SA
30A / 32A	9h 3ØY 120/208 V		1/2"	C530C9WLT12	C530C9SLT12	C530P9WA	C530P9SA
30A / 32A	9h 3ØY 120/208 V		3/4"	C530C9WLT34	C530C9SLT34	C530P9WA	C530P9SA
60A	4h 125 VAC		3/4"	C360C4WLT34	C360C4SLT34	C360P4WA	C360P4SA
60A / 63A	6h 250 VAC		3/4"	C360C6WLT34	C360C6SLT34	C360P6WA	C360P6SA
60A	7h 480 VAC		3/4"	C360C7WLT34	C360C7SLT34	C360P7WA	C360P7SA
60A	5h 3ØY 347/600 V		3/4"	C460C5WLT34	C460C5SLT34	C460P5WA	C460P5SA
60A / 63A	6h 3Ø 200/346-240/415 AC		3/4"	C460C6WLT34	C460C6SLT34	C460P6WA	C460P6SA
60A	7h 3Ø 480 V		3/4"	C460C7WLT34	C460C7SLT34	C460P7WA	C460P7SA
60A / 63A	9h 3ØY 120/208 V		3/4"	C460C9WLT34	C460C9SLT34	C460P9WA	C460P9SA
60A	5h 3ØY 347/600 V		3/4"	C560C5WLT34	C560C5SLT34	C560P5WA	C560P5SA
60A / 63A	6h 3Ø 200/346-240/415 AC		3/4"	C560C6WLT34	C560C6SLT34	C560P6WA	C560P6SA
60A	7h 3ØY 277/480 V		3/4"	C560C7WLT34	C560C7SLT34	C560P7WA	C560P7SA
60A / 63A	9h 3ØY 120/208 V		3/4"	C560C9WLT34	C560C9SLT34	C560P9WA	C560P9SA

Dimensions available online
* Mating plugs are certified for installation on cable only.

Features and Benefits

IP67
SUITABILITY

Unfused Circuit-Lock® Pin and Sleeve Mechanical Interlocks



The National Electrical Code (NEC®) requires a separate disconnect means within sight of all motor loads. The NEC requires the disconnecting means in a motor-circuit be listed as "Suitable as Motor Disconnect" if the motor is rated greater than 2 HP.

Hubbell's revolutionary Circuit-Lock interlock incorporates the disconnect switch and receptacle in one compact, non-metallic and economical unit. Removing the plug and locking it out provides a visual means of verifying equipment has been disconnected. All Circuit-Lock mechanical interlocks can be locked out as a method of compliance with the OSHA Lockout/Tagout regulation.

The switch cannot be turned ON until the plug is completely engaged, and the plug cannot be removed until the switch is turned OFF. At the same time, it eliminates the possibility of making or breaking the circuit under load or making a casual or "lazy" connection. The non-metallic enclosure can be connected to the metallic conduit and not interfere with the ground continuity.

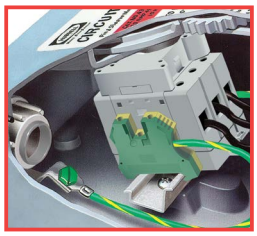
In addition, these horsepower rated units are durable, watertight and easy to install. And they are compatible with IEC 60309-2 plugs. These Circuit-Lock units are available in 20, 30, 60 and 100A models, and in 3, 4 and 5 wire configurations that are designed to the IEC 60309-1 and 60309-2 standards.

Hubbell's Circuit-Lock Mechanical Interlocks are also available in "Reverse Service" versions. These units incorporate the disconnect switch and reverse service receptacle (inlet) in one compact, non-metallic and economical unit. These units are available in 30, 60 and 100A models, 4 wire configurations.



Housing Design

- Insulated non-metallic housing, super tough, non-conductive and chemical resistant for heavy duty industrial environments
- IEC pin and sleeve devices are color coded by voltage for easy identification
- Self-closing gasketed cover, detents into position to fully close automatically



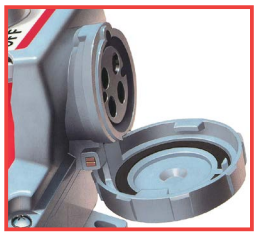
Interior Design

- Large gears enclosed in a gear box assembled on one plane to eliminate possible gear jumping
- Horsepower rated disconnect switch handles large motor loads
- DIN rail mounted switch for easy installation and replacement



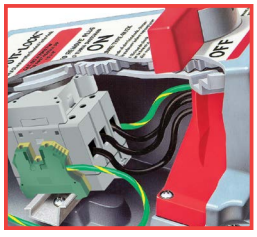
Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- Two-stage interlocking mechanism to help defeat tampering
- Watertight conduit hub and grounding plate for use on metallic conduit (IP67 suitability)



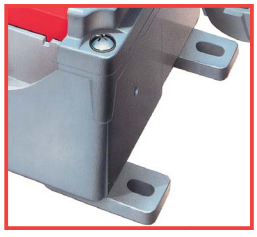
Liftcover

- Replaceable spring-loaded liftcover with gasket for a watertight seal
- Pre-wired IEC Pin and Sleeve receptacle
- Reverse service has dependable solid brass pins for longer life and reliable electrical contact



Identification

- Color coded rating pad and receptacle mount to signify voltage



Installation

- Comes with brass inserts and stainless steel screws for higher torque and better sealing
- Three molded-in conduit drill points are located on top, bottom and back surface of enclosure
- Adjustable mounting feet are ductile to allow mounting on irregular surfaces

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

IP67 SUITABILITY

Enclosure Type 4X, 12

Rating					Unfused Circuit-Lock® Devices		Reverse Service	
								
Amps	Poles and Wires	Configuration Recep.	Plug	AC Voltage	Mechanical Interlock	Mating Plug	Mechanical Interlock	Mating Plug
20	3P 4W			120/240V	**HBL420MI12W**	**HBL420P12W**	—	—
	3P 4W			3Ø 240V	**HBL420MI9W**	**HBL420P9W**	—	—
	3P 4W			3Ø 480V	**HBL420MI7W**	**HBL420P7W**	—	—
	3P 4W			3Ø 600V	**HBL420MI5W**	**HBL420P5W**	—	—
30	2P 3W			120V	**HBL330MI4W**	**HBL330P4W**	—	—
	2P 3W			240V	**HBL330MI6W**	**HBL330P6W**	—	—
	2P 3W			480V	**HBL330MI7W**	**HBL330P7W**	—	—
	3P 4W			120/240V	**HBL430MI12W**	**HBL430P12W**	—	—
	3P 4W			3Ø 240V	**HBL430MI9W**	**HBL430P9W**	**HBL430MI9WR**	**HBL430P9WR**
	3P 4W			3Ø 480V	**HBL430MI7W**	**HBL430P7W**	**HBL430MI7WR**	**HBL430P7WR**
	3P 4W			3Ø 600V	**HBL430MI5W**	**HBL430P5W**	**HBL430MI5WR**	**HBL430P5WR**
	4P 5W			3ØY 120/208V	**HBL530MI9W**	**HBL530P9W**	—	—
	4P 5W			3ØY 277/480V	**HBL530MI7W**	**HBL530P7W**	—	—
	4P 5W			3ØY 347/600V	**HBL530MI5W**	**HBL530P5W**	—	—
32	3P 4W			380V 50HZ-440V 60Hz	**HBL432MI3W**	**HBL432P3W**	—	—
60	2P 3W			120V	**HBL360MI4W**	**HBL360P4W**	—	—
	2P 3W			240V	**HBL360MI6W**	**HBL360P6W**	—	—
	2P 3W			480V	**HBL360MI7W**	**HBL360P7W**	—	—
	3P 4W			120/240V	**HBL460MI12W**	**HBL460P12W**	**HBL460MI12WR**	**HBL460P12WR**
	3P 4W			3Ø 240V	**HBL460MI9W**	**HBL460P9W**	**HBL460MI9WR**	**HBL460P9WR**
	3P 4W			3Ø 480V	**HBL460MI7W**	**HBL460P7W**	**HBL460MI7WR**	**HBL460P7WR**
	3P 4W			3Ø 600V	**HBL460MI5W**	**HBL460P5W**	**HBL460MI5WR**	**HBL460P5WR**
	4P 5W			3ØY 120/208V	**HBL560MI9W**	**HBL560P9W**	—	—
	4P 5W			3ØY 277/480V	**HBL560MI7W**	**HBL560P7W**	—	—
	4P 5W			3ØY 347/600V	**HBL560MI5W**	**HBL560P5W**	—	—
100	2P 3W			240V	**HBL3100MI6W**	**HBL3100P6W**	—	—
	3P 4W			120/240V	**HBL4100MI12W**	**HBL4100P12W**	**HBL4100MI12WR**	**HBL4100P12WR**
	3P 4W			3Ø 240V	**HBL4100MI9W**	**HBL4100P9W**	**HBL4100MI9WR**	**HBL4100P9WR**
	3P 4W			3Ø 480V	**HBL4100MI7W**	**HBL4100P7W**	**HBL4100MI7WR**	**HBL4100P7WR**
	3P 4W			3Ø 600V	**HBL4100MI5W**	**HBL4100P5W**	**HBL4100MI5WR**	**HBL4100P5WR**
	4P 5W			3ØY 120/208V	**HBL5100MI9W**	**HBL5100P9W**	—	—

Note: 20, 30 and 32A – 1 inch NPT hub supplied; 60 and 100A – 1¼ inch hub supplied.



HBLAC1



HBLAC2



HBL30RGB



HBL30RNB



MICPK30



CA3430MI



HBL30MIRS



HBLRFT2

Dimensions in Inches (mm)

Auxiliary Contacts for 20, 30, 32, 60 and 100A Switch, NEMA A600 Pilot Duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**

Ground Block

Description	Catalog Number
For 20, 30 and 32A switches.	**HBL30RGB**
For 60 and 100A switches.	**HBL60100RGB**

Neutral Block

Description	Catalog Number
For 20, 30 and 32A switches.	**HBL30RNB**
For 60A switches.	**HBL60RNB**
For 100A switches.	**HBL100RNB**

Watertight Closure Plug Kits

Description	Catalog Number
For 20, 30 and 32A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	**MICPK30**
For 60 and 100A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	**MICPK60**

Replacement Flip Covers

Description	Catalog Number
For 20A mechanical interlocks.	**CA420MI**
For 30 and 32A, 3 and 4 wire mechanical interlocks.	**CA3430MI**
For 30A, 5 wire mechanical interlocks.	**CA530MI**
For 60A mechanical interlocks.	**CA60MI**
For 100A mechanical interlocks.	**CA100MI**

Replacement Switches

Description	Catalog Number
For 20A mechanical interlocks.	**HBLDS3RS**
For 30 and 32A mechanical interlocks.	**HBL30MIRS**
For 60 and 100A mechanical interlocks.	**HBLDS60100RS**

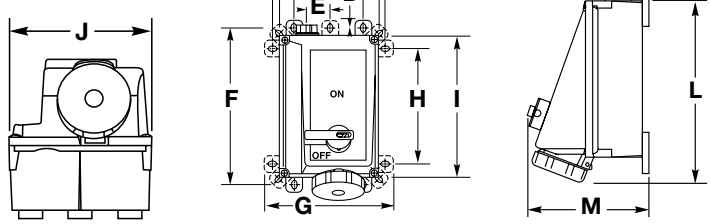
Replacement Mounting Feet

Description	Catalog Number
For 20, 30, 32, 60 and 100A mechanical interlocks.	**HBLRFT2***

Dimensions

KEY	20A and 30A Inches (mm)	60A Inches (mm)	100A Inches (mm)
A	7.75" (196.9)	7.75" (196.9)	7.75" (196.9)
B	6.87" (174.5)	6.87" (174.5)	6.87" (174.5)
C	4.75" (120.7)	4.75" (120.7)	4.75" (120.7)
D	1.02" (25.9)	1.02" (25.9)	1.02" (25.9)
E	1.60" (40.6)	1.46" (37.1)	1.46" (37.1)
F	11.00" (279.4)	12.75" (323.9)	12.75" (323.9)
G	8.75" (222.3)	8.75" (222.3)	8.75" (222.3)
H	8.00" (203.2)	9.75" (247.7)	9.75" (247.7)
I	10.12" (257.0)	11.87" (301.5)	11.87" (301.5)
J	6.88" (174.8)	6.88" (174.8)	6.88" (174.8)
K	1.93" (49.0)	2.09" (53.1)	2.09" (53.1)
L	11.25" (285.8)**	13.65" (346.7)	13.65" (346.7)
M	7.75" (196.9)	8.60" (218.4)	9.30" (236.2)
HUB SIZE	1.00" NPT	1.25" NPT	1.25" NPT

*Note: *Package of 10 feet and 10 screws.*
***30 and 32A, 3 and 4W = 11.50" (292.1); 30A, 5W = 11.59" (294.4).*



Typical Specifications

Manufacturer's Identification	Hubbell HBL430MI7W
Description	Circuit-Lock® Pin and Sleeve Mechanical Interlock
Electrical Type	3 Pole + Earth
Rating	30A, 480V AC, 3 Phase
Configuration	IEC 60309-2, UL1686 C2, Clock position 7
Enclosure Type	Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids)
Ingress Protection	IP67 Suitability
Enclosure Material	Non-metallic, enclosure suitable for metallic conduit
Certification	UL Listed, CSA Certified

Note: This device provides on/off switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected while the receptacle is energized. The switch cannot be turned "ON" until the plug is inserted properly, and the plug cannot be removed until the switch is turned "OFF."

Materials

Part	Material	Part	Material
Base	PBT	Top	PBT
Handle	PBT	Conduit Hub	Zinc
Enclosure Gasket	Neoprene	Shaft	PBT
Shaft Seal	Neoprene	Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series	Enclosure Inserts	Brass
Hinge Pins	Nickel Plated Brass	Hinge Spring	Stainless Steel 300 Series

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V AC Min.
Max. Working Voltage	600V AC RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle. 20A and 30A models: Suitable for use on a circuit capable of delivering not more than 65,000 RMS symmetrical amperes, 600V when protected by class "J" fuses rated 30A.
Operations	Mechanical 10,000 cycles, electrical 6,000 cycles.

Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of the external label and molded into the receptacle mount.
Mounting	External adjustable feet.

Environmental	
Moisture Resistance	Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids).
Ingress Protection	IP69K Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperature	Max. Continuous +75°C; Min. Continuous -40°C.
UV Resistance	All materials are UV stabilized.

Horsepower Ratings

Amps	AC Voltage Rating	Horsepower	Mechanical Interlock	Mating Plug
20	120/240V AC	2	**HBL420MI12W**	**HBL420P12W**
20	3Ø 240V AC	5	**HBL420MI9W**	**HBL420P9W**
20	3Ø 480V AC	10	**HBL420MI7W**	**HBL420P7W**
20	3Ø 600V AC	10	**HBL420MI5W**	**HBL420P5W**
30	120V AC	2	**HBL330MI4W**	**HBL330P4W**
30	240V AC	3 (208-240V AC)	**HBL330MI6W**	**HBL330P6W**
30	480V AC	7.5	**HBL330MI7W**	**HBL330P7W**
30	120/240V AC	3 (208-240V AC)	**HBL430MI12W**	**HBL430P12W**
30	3Ø 600V AC	20	**HBL430MI5W**	**HBL430P5W**
30	3Ø 480V AC	15	**HBL430MI7W**	**HBL430P7W**
30	3Ø 250V AC	7.5	**HBL430MI9W**	**HBL430P9W**
30	3ØY 347/600V AC	20	**HBL530MI5W**	**HBL530P5W**
30	3ØY 277/480V AC	15	**HBL530MI7W**	**HBL530P7W**
30	3ØY 120/208V AC	5	**HBL530MI9W**	**HBL530P9W**
32	380V AC 50Hz – 440V AC 60Hz	15 (440V AC 3Ø 60Hz)	**HBL432MI3W**	**HBL432P3W**
60	120V AC	3	**HBL360MI4W**	**HBL360P4W**
60	240V AC	7.5 (208-240V AC)	**HBL360MI6W**	**HBL360P6W**
60	480V AC	20	**HBL360MI7W**	**HBL360P7W**
60	120/240V AC	7.5 (208-240V AC)	**HBL460MI12W**	**HBL460P12W**
60	3Ø 600V AC	40	**HBL460MI5W**	**HBL460P5W**
60	3Ø 480V AC	30	**HBL460MI7W**	**HBL460P7W**
60	3Ø 250V AC	15	**HBL460MI9W**	**HBL460P9W**
60	3ØY 347/600V AC	40	**HBL560MI5W**	**HBL560P5W**
60	3ØY 277/480V AC	30	**HBL560MI7W**	**HBL560P7W**
60	3ØY 120/208V AC	15	**HBL560MI9W**	**HBL560P9W**
100	240V AC	15 (10 @ 208V AC)	**HBL3100MI6W**	**HBL3100P6W**
100	120/240V AC	15	**HBL4100MI12W**	**HBL4100P12W**
100	3Ø 600V AC	50	**HBL4100MI5W**	**HBL4100P5W**
100	3Ø 480V AC	50	**HBL4100MI7W**	**HBL4100P7W**
100	3Ø 250V AC	25 (208-240V AC)	**HBL4100MI9W**	**HBL4100P9W**
100	3ØY 120/208V AC	20	**HBL5100MI9W**	**HBL5100P9W**

Features and Benefits

IP66
SUITABILITY

Fused Circuit-Lock® Pin and Sleeve Mechanical Interlocks



Hubbell Circuit-Lock® Pin and Sleeve Mechanical Interlocks are a revolutionary design that incorporates a disconnect switch and pin and sleeve receptacle in a compact non-metallic unit. These devices offer maximum safety by preventing users from mating or breaking a circuit under load—Hubbell's interlock mechanism detects the presence of a plug and prevents it from being removed when the switch is in the "ON" position.

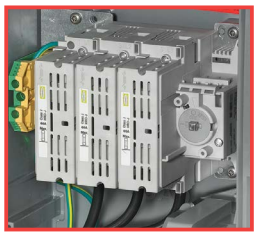
It features a high visibility red handle that can be locked in the OFF position to meet OSHA lockout/tagout regulations. The enclosure door can be locked to prevent unauthorized access. The rugged, corrosion-resistant Type 4X PBT enclosure features adjustable mounting feet for flexible installation, while the receptacle's spring-loaded cover with gasket is dust tight and provides a watertight seal when turned and locked.

The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF.



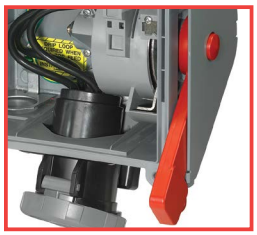
Housing Design

- Non-metallic enclosure meets UL 50E Type 4X (watertight), 12 (dust-tight) and IP66 suitability requirements. Enclosure is molded of rugged thermoplastic PBT to resist abuse, corrosion and enhance safety
- Stainless steel ¼ turn door fasteners for quick, easy access to fuses



Interior Design

- Compact Fused Disconnect Switch accepts **Class "J" fuses**. Fuse holders are top mounted for easy access
- The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers



Safety

- High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements. Accepts up to a 5/16 inch padlock shackle
- Replaceable spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked



Contact Carrier

- Thermoset polyester contact carrier provides resistance to electrical tracking and withstands higher temperatures
- Thermoset properties provide excellent dimensional stability, low moisture absorption and superior dielectric strength



Enclosure Door

- Removable door for ease of wiring and installation
- Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door cannot be opened



Installation

- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure. Conduit hub provided: 30A 1 in. NPT, 60A 1¼ in. NPT
- Conduit hub and adjustable mounting feet (4) are ductile to allow mounting on irregular surfaces

Pin and Sleeve Devices/Mechanical Interlocks

IP66
SUITABILITY

Enclosure Type 4X, 12

Rating					Fused Circuit-Lock® Devices	
Amps	Poles and Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	Mechanical Interlock	Mating Plug
30	3P 4W			120/240V	**HBL430MIF12W**	**HBL430P12W**
	3P 4W			3Ø 240V	**HBL430MIF9W**	**HBL430P9W**
	3P 4W			3Ø 480V	**HBL430MIF7W**	**HBL430P7W**
	3P 4W			3Ø 600V	**HBL430MIF5W**	**HBL430P5W**
	4P 5W			3ØY 277/480V	**HBL530MIF7W**	**HBL530P7W**
60	3P 4W			120/240V	**HBL460MIF12W**	**HBL460P12W**
	3P 4W			3Ø 240V	**HBL460MIF9W**	**HBL460P9W**
	3P 4W			3Ø 480V	**HBL460MIF7W**	**HBL460P7W**
	3P 4W			3Ø 600V	**HBL460MIF5W**	**HBL460P5W**
	4P 5W			3ØY 120/208V	**HBL560MIF9W**	**HBL560P9W**

Note: 30A – 1 inch NPT hub supplied; 60A – 1¼ inch hub supplied.



HBL430MIF12W

Gray Style Switch



HBLACFSNO **HBL30MIFRS**

Black Style Switch



ACFSNO

Replacement Auxiliary Contacts

Description	Black Style Switch Catalog Number	Gray Style Switch Catalog Number
Auxiliary contact, normally open, A600 pilot duty, break before break.	**ACFSNO**	**HBLACFSNO**
Auxiliary contact, normally closed, A600 pilot duty, break before break.	**ACFSNC**	**HBLACFSNC**

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble. All new installations are shipped with gray style switch.

Replacement Switches

Description	Gray Style Switch Catalog Number
For 30A fused switches.	**HBL30MIFRS**
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	**HBL60MIFRS**

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK30**
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK60**



MICPK30

Replacement Flip Covers

Description	Catalog Number
For 30A, 3 and 4 wire mechanical interlocks.	**CA3430MI**
For 30A, 5 wire mechanical interlocks.	**CA530MI**
For 60A mechanical interlocks.	**CA60MI**



CA3430MI

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	**HBLRFT2**[Δ]

Note: [Δ]Package of 10 feet and 10 screws.



HBLRFT2

Specifications

Typical Specifications	
Manufacturer's Identification	Hubbell HBL460MIF7W
Description	Fused Circuit-Lock Pin and Sleeve Mechanical Interlock
Electrical Type	3 Pole + Earth
Rating	60A, 480V AC, 3 Phase
Configuration	IEC 60309-2, UL1686C2, Clock Position 7
Enclosure Type	Indoor and Outdoor - 4X (Watertight, Washdown) Indoor - 12 (Dust-tight, Falling dirt)
Certification	UL Listed for US and Canada

Materials

Part	Material
Base and Top	PBT
Handle	PBT
Conduit Hub	Zinc, 30A-1", 60A-1¼" NPT
Enclosure Gasket	Neoprene
Shaft	Brass
Shaft Seal	Neoprene
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel
Mounting Inserts	Brass
Hinge Pin	Nickel-Plated Brass
Hinge Spring	Stainless Steel

Note: This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the fuse door opened while the receptacle is energized. The switch cannot be turned on until the plug is inserted properly.

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V AC Min.
Max. Working Voltage	600V AC.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle.
Operations	Mechanical 10,000 cycles minimum.

Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Ratings	Ratings are part of the external label and molded into the receptacle mount and color-coded.
Mounting	External adjustment feet.

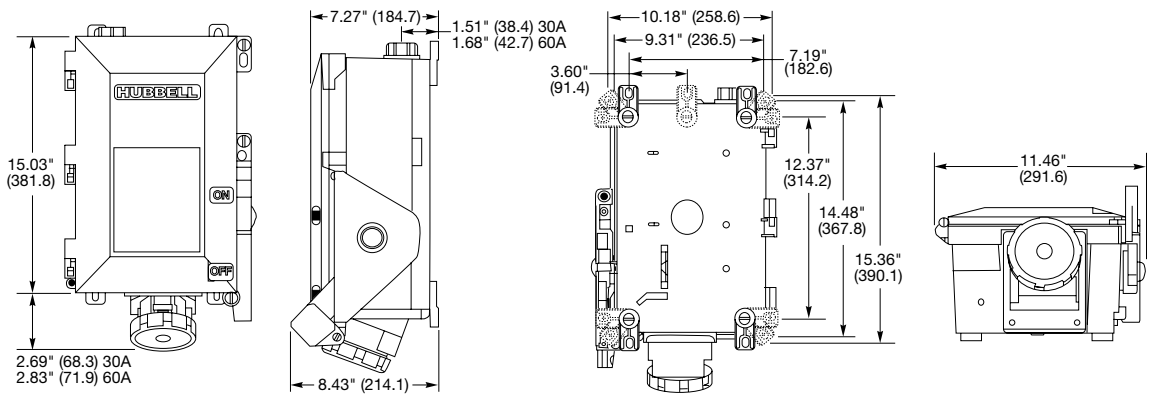
Environmental	
Moisture Resistance	Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling dirt).
Ingress Protection	IP66 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperatures	Max. Continuous +75°C; Min. Continuous -40°C.
UV Resistance	All materials are UV stabilized.
Fuse Types	UL Listed Class "J". CSA Certified HRCI-J.

Horsepower Ratings

Amps	AC Voltage Rating	Standard	Maximum**	Mechanical Interlock	Use Pin and Sleeve Plug
30	3Ø 600V AC	7.5	20	**HBL430MIF5W**	**HBL430P5W**
30	3Ø 480V AC	5	15	**HBL430MIF7W**	**HBL430P7W**
30	3Ø 240V	3	7.5	**HBL430MIF9W**	**HBL430P9W**
30	120/240V AC	1.5*	3*	**HBL430MIF12W**	**HBL430P12W**
30	3ØY 277/480V	5	15	**HBL530MIF7W**	**HBL530P7W**
60	3Ø 600V AC	15	50	**HBL460MIF5W**	**HBL460P5W**
60	3Ø 480V AC	15	30	**HBL460MIF7W**	**HBL460P7W**
60	3Ø 240V AC	7.5	15	**HBL460MIF9W**	**HBL460P9W**
60	120/240V AC	3*	10*	**HBL460MIF12W**	**HBL460P12W**
60	3ØY 120/208V	7.5	15	**HBL560MIF9W**	**HBL560P9W**

*Note: *208-240V AC L-L.*
***Requires time delay fuses.*

Dimensions



Dimensions in Inches (mm)



BB60N



BB301W



BB601WSS



CAP60



FW6010055



FT202W



FW60100



AA2030PS

Back Boxes

Hubbell manufactures an extensive line of back boxes for use with IEC Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit. Hubbell back boxes are available in non-metallic and cast metal versions.

Non-Metallic 15º Angle Back Box

Description	NPT Hub Size*	Catalog Number
Back box for 16, 20, 30 and 32A devices.	1"	**BB2030N**
Back box for 60 and 63A devices.	1¼"	**BB60N**
Back box for 100 and 125A devices.	1½"	**BB100N**

*Note: *Hub is not included; order one of the following Raco® part numbers: 1 in. = 1704, 1¼ in. = 1705, 1½ in. = 1706. These boxes meets IP69k requirement and Type 4X requirements when installed with a watertight conduit hub.*

Metallic 15º Angle Back Box and Adapter**

Description	NPT Hub Size	Stainless Steel	Cast Iron
Back box for 16, 20, 30 and 32A devices.	¾"	**BB201WSS**	**BB201W**
	1"	**BB301WSS**	**BB301W**
Back box for 60 and 63A devices.	1¼"	**BB601WSS**	**BB601W**
	1½"	**–**	**BB602W**
Back box for 100 and 125A devices.	1½"	**BB1001WSS**	**BB1001W**
	2"	**BB1002WSS**	**BB1002W**
Angle adapter only for 60, 63, 100 and 125A devices.	–	**–**	**AA6010015**

*Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*

Adapter Plates

Required to mount Hubbell-PRO receptacles and inlets to Hubbell Back Boxes

Description	Catalog Number
For Use with 16A, 20A, 30A and 32A	**CAP2030**
For Use with 60A and 63A	**CAP60**
For Use with 100A and 125A	**CAP100**

Metallic 55º Angle Back Box and Adapter**

Description	NPT Hub Size	Catalog Number
Feed-thru box back box and adapter for 16, 20, 30 and 32A devices.	1"	**AB203055**
Angle adapter only.	–	**AA203055**
Back box and adapter for 60, 63, 100 and 125A devices.	1½"	**FW6010055**
Angle adapter only.	–	**AA6010055**

*Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*

Metallic Feed-Thru Back Box**

Description	NPT Hub Size	Catalog Number
Feed-thru box for 16, 20, 30 and 32A devices.	¾"	**FT202W**
	1"	**FT302W**

*Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*

Metallic Four-Way 15º Angle Back Box**

Description	NPT Hub Size	Catalog Number
Four-way box for 60, 63, 100 and 125A devices.	1½"	**FW60100**

*Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*

Straight Wall Box Adapter

Description	Catalog Number
Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve devices to 2-gang, device boxes and FD boxes.	**HBL2030AP**

Angle Wall Box Adapter

Description	Catalog Number
Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve devices to standard wall boxes.	**AA2030PS**

Note: Adapts 20 and 30A Watertight Pin and Sleeve receptacle to single, 2-gang standard wall box and 4 or 4$^{11}/_{16}$ inch square for non-watertight applications.

Accessories

Closure Caps

Cap assemblies provide watertight sealing to a disconnected male IEC Pin and Sleeve plug or inlet. Manufactured of the same tough non-metallic material as the watertight IEC Pin and Sleeve devices for corrosion and abuse resistance.

Description	Catalog Number
Fits all 16 and 20A, 3 wire plugs and inlets.	**PC320**
Fits all 16 and 20A, 4 wire plugs and inlets.	**PC420**
Fits all 16 and 20A, 5 wire plugs and inlets.	**PC520**
Fits all 30 and 32A, 3 and 4 wire plugs and inlets.	**PC3430**
Fits all 30 and 32A, 5 wire plugs and inlets.	**PC530**
Fits all 60 and 63A plugs and inlets.	**PC60**
Fits all 100 and 125A plugs and inlets.	**PC100**



PC3430

Cover Assemblies

Replacement cover assemblies for use with watertight connector bodies and receptacles. Exact replacement cover assemblies required to maintain proper water ingress. They are not reverse compatible. Replacement covers are not interchangeable. Kit contains cover, arm assembly and installation tool.

Description	IP67 Catalog Number	IP69k/4X Catalog Number
Fits all 16 and 20A, 3 wire watertight female devices.	**CA320**	**HBLCA320**
Fits all 16 and 20A, 4 wire watertight female devices.	**CA420**	**HBLCA420**
Fits all 16 and 20A, 5 wire watertight female devices.	**CA520**	**HBLCA520**
Fits all 30 and 32A, 3 and 4 wire watertight female devices.	**CA3430**	**HBLCA3430**
Fits all 30 and 32A, 5 wire watertight female devices.	**CA530**	**HBLCA530**
Fits all 60 and 63A watertight female devices.	**CA60**	**HBLCA60**
Fits all 100 and 125A watertight female devices.	**CA100**	**HBLCA100**



CA60



HBLCA60

Cord Clamp and Locking Ring

Replacement cord clamp and locking ring for use with IEC plugs, connectors and inlets.

Description	Cord Clamp and Locking Ring	Locking Ring Only
Fits all 16 and 20A, 3 wire plugs, connectors and inlets.	**CC320**	**LR320***
Fits all 16 and 20A, 4 wire plugs, connectors and inlets.	**CC420**	**LR420***
Fits all 16 and 20A, 5 wire plugs, connectors and inlets.	**CC520†**	**LR520***
Fits all 30 and 32A, 3 and 4 wire plugs, connectors and inlets.	**CC3430**	**LR3430***
Fits all 30 and 32A, 5 wire plugs, connectors and inlets.	**CC530†**	**LR530***
Fits all 60 and 63A plugs, connectors and inlets.	**CC60**	**LR60***
Fits all 100 and 125A plugs, connectors and inlets.	**CC100**	**LR100***

*Note: *Locking Ring only for plugs and inlets.*
†Consult factory.



CC3430



LR3430

Liquidtight Adapters

Machined aluminum or non-metallic adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of a Hubbell Pin and Sleeve plug or connector. To install, remove cord grip and two gland cap screws. Use screws to attach adapter. Kellems® liquidtight conduit connectors are available to control arc of bend and to prevent conduit pull-out where vibration, motion or strain is present. These grips interface directly with Hubbell's liquidtight adapters and are available in a wide variety of NPT sizes and configurations. Consult your local code grounding requirements before using liquidtight adapters.

Rating of Hubbell Pin and Sleeve Device	Liquidtight Conduit Size	Liquidtight Adapters		Optional Kellems Liquidtight Conduit Grip
		Aluminum	Non-Metallic	
16 and 20 Amp 3 and 4 Wire	½" NPT	**SAA12**	**—**	**074093402**
	¾" NPT	**SAA34**	**—**	**074093403**
16 and 20 Amp 5 wire and 30 and 32 Amp 3 and 4 wire	½" NPT	**SAB12**	**—**	**074093402**
	¾" NPT	**SAB34**	**—**	**074093403**
	1" NPT	**SAB100**	**—**	**074093404**
30 and 32 Amp 5 wire and 60 and 63 Amp (all)	½" NPT	**SAC12**	**SAC12NM**	**074093402**
	¾" NPT	**SAC34**	**SAC34NM**	**074093403**
	1" NPT	**SAC100**	**SAC100NM**	**074093404**
	1¼" NPT	**SAC125**	**—**	**074093405**
100 and 125 Amp (all)	1¼" NPT	**SAD125**	**—**	**074093405**
	1½" NPT	**SAD150**	**—**	**074093406**



SAB34



074093403

Features and Benefits

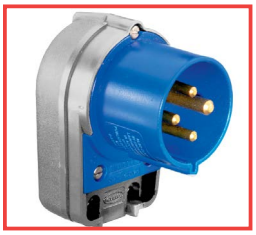
20 and 30 Amps Low Profile

Hubbell's Low Profile Pin and Sleeve devices were designed to save space without sacrificing pin and sleeve strength, safety and convenience. The small compact design of these plugs is ideal for indoor applications where space is at a premium.

These devices are fully interchangeable with standard IEC 60309 pin and sleeve. They are a perfect fit for tight situations frequently found in hotels, restaurants, convention centers, warehouses, assembly benches and offices.

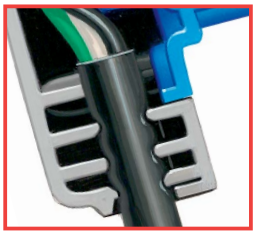






Housing Design

- Nylon construction, both interior and exterior are made of tough, durable nylon
- Shrouded, recessed pins are protected from impact and abuse



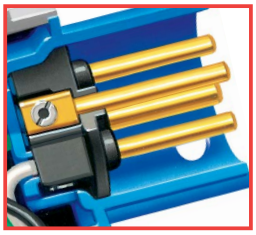
Cord Grip

- Integrated cord grip limits strain on terminals, keeps cord connected



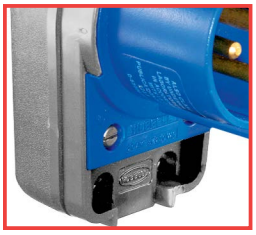
Safety

- Large markings for easy recognition results in ease of wiring on the assembly line or in the field
- Shroud protects personnel from exposure to arcing



Brass Box Terminal

- Permits high clamping pressure on conductors without damaging wire strands for best electrical conductivity
- Solid one-piece pins construction, for long life, reliable electrical contact and maximum conductivity



Identification

- Color coding for quick, easy visual identification of mating devices
- Ratings and certification are molded into the nylon housing for easy identification and reordering



Split Sleeves

- Self-adjusting stainless steel springs assure constant contact pressure (20A and 30A). On 60A devices, Beryllium copper insert with multiple contact points assures easy insertion and a tight fit
- Stainless steel terminal screws resist rust and corrosion

Low Profile Devices

Rating					Devices		Cord Diameter
Amps	Poles and Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	 Plug	 Receptacle	 Min. Max. Inches (mm)
20	3P 4W			3Ø 250V	—	**L420R9**	.350" - .710" (8.3 - 15.9)
30	3P 4W			125/250V	**L430P12**	**L430R12**	.390" - .775" (9.9 - 19.7)
30	3P 4W			3Ø 250V	**L430P9**	**L430R9**	.390" - .775" (9.9 - 19.7)
Amps	Poles and Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	 Plug	 Receptacle	 Min. Max. Inches (mm)
60	3P 4W			3Ø 250V	**A460P9**	**A460R9** With Cover: **A460R9KIT**	.75" - 1.25" (19.1 - 31.8)
Amps	Poles and Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	 Plug	 Receptacle	 Min. Max. Inches (mm)
60	4P 5W			3ØY 120/208V	**A560P9**	**HBL560R9W**	.89" - 1.42" (22.6 - 36.1)
100	4P 5W			3ØY 120/208V	**A5100P9**	**HBL5100R9W**	1.34" - 1.50" (34.0 - 38.1)

Specifications

Electrical	
Dielectric Withstand Voltage	3000V AC
Max. Working Voltage	250V RMS
Current Interrupting	Certified for current interruption at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Endurance	Up to 5,000 connect and disconnect cycles at full rated current and voltage.

Mechanical	
Impact Resistance	Per CSA C22.2 No. 182.1 / UL1682
Cord Grip Cable Retention	Per CSA C22.2 No. 182.1 / UL1682
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL standard 62, CSA C22.2 No. 49 and the <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with North American convention.
Product Identification	Ratings are a permanent part of the device housing.

Environmental	
Flammability	HB or better per UL94 or CSA C22.2 No. 0.17
Ingress Protection	IP22 Suitability
Operating Temperatures	Maximum Continuous 75° C; Minimum -40°C without impact

Application Guide

Agriculture	Indoor location and maintenance.
Chemical Processing	Indoor location and maintenance.
Construction	Indoors for added safety and abuse resistance.
Entertainment	Indoor location and maintenance.
Food Service	Food service areas where aesthetics and space are concerns.
Light Manufacturing	Indoor locations and maintenance.
Manufacturing	Light assembly areas, stamping operations and maintenance areas.
Military	Warehouse and maintenance areas.

Materials

Plug	Material
Case	PBT
Shroud	PBT
Pin Carrier 20 & 30A	PBT
Pin and Carrier 60A	High-Impact Thermoset
Pins	Brass CDA#360
Assembly Screws	Stainless Steel (300 series)
Terminal Screws	Stainless Steel (300 series)

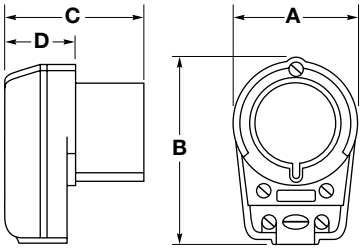
Receptacle	
Body	PBT
Sleeve Carrier 20 & 30A	PBT
Sleeve Carrier 60A	High-Impact Thermoset
Sleeves	Brass CDA #360
Assembly Screws	Stainless Steel (300 series)
Terminal Screws	Stainless Steel (300 series)
Adapter Plate 20 & 30A	Galvanized Steel
Adapter Plate 60A	Aluminum
Wall Trim Plate	PBT
Panel Mount Trim Plate	Stainless Steel (300 series)

Note: See page G-29 for product dimensions.

Plug Dimensions

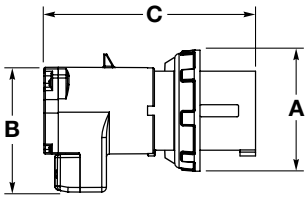
Type	A	B	C	D	Cord Range Diameter
L430P12	2.97" (75.4)	4.18" (106.2)	3.50" (88.9)	1.71" (43.4)	.390"-.775" (9.9-19.7)
A460P9	3.38" (85.9)	4.25" (108.0)	7.00" (177.8)	–	.75"-1.25" (19.1- 31.8)
A5100P9	4.92" (125.00)	5.07" (128.81)	8.60" (218.35)	–	1.34"-1.50" (34.0- 38.1)

Plugs

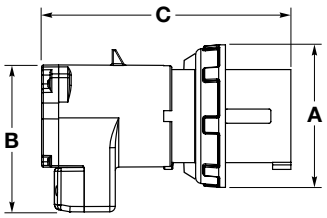


30A

Angled Plugs



60A

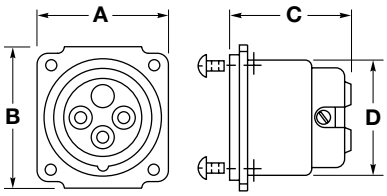


100A

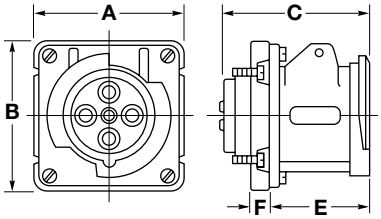
Wall Mount Receptacle Dimensions

Type	A	B	C	D	E	F
L420R9	2.60" (66.0)	2.81" (71.4)	2.28" (57.9)	2.38" (60.5)	–	–
L430R12	3.12" (79.2)	3.12" (79.2)	2.77" (70.4)	2.76" (70.1)	–	–
A460R9	4.50" (114.3)	4.50" (114.3)	4.48" (113.8)	–	3.62" (91.9)	.50" (12.7)

Wall Mount Receptacles

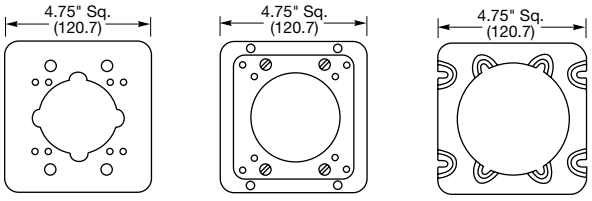


20 and 30A



60A

Adapter Plate (Included with "L" and "A" series receptacles)

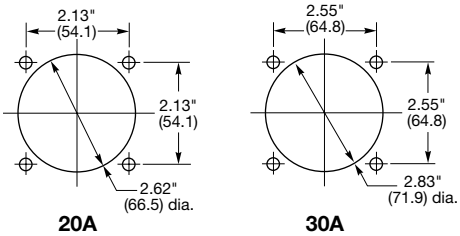


20A
Mounting
2-gang box

30A
Mounting
2-gang box

60A
Mounting
2-gang box
and 4 11/16" box

Panel Cutout

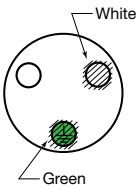
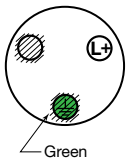
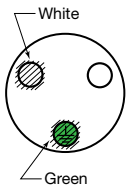
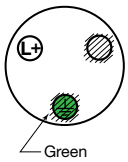
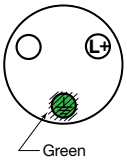
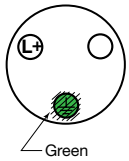
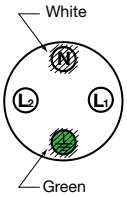
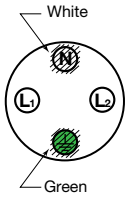
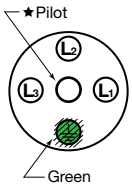
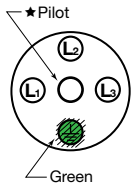
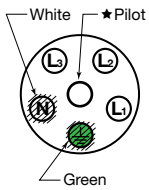
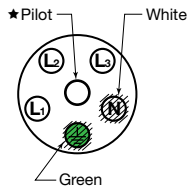


20A

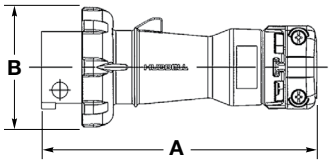
30A

Dimensions in Inches (mm)

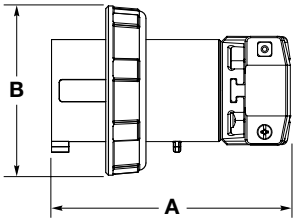
IEC Pin and Sleeve Terminal Identification – Rear View

Description	Rating		Terminal Marking Pattern*			
			Receptacle and Connector		Plug and Inlet	
	Domestic	International	Domestic	International	Domestic	International
3 Wire	125V AC 277V AC	100-130V				
3 Wire	250V AC 480V AC 600V AC	200-250V 380-415V AC				
4 Wire	125/250V AC 1ØY 120/208V	—				
4 Wire	(3Ø Δ) 250V AC 480V AC 600V AC	380-415V AC				
5 Wire	(3ØY) 120/208V AC 277/480V AC 347/600V AC	220/380V 50Hz 250/440V 60Hz 200/346V to 240/415V 50 and 60Hz				

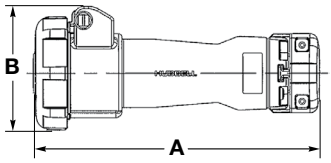
*Note: *Location of grounding contact position will change as clock positions assigned to specific voltages change.*
★Pilot contacts supplied on 4 and 5 wire, 63 and 125 Amp international rated devices.



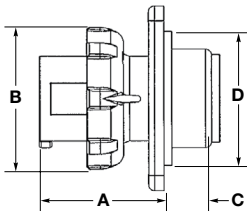
Plug

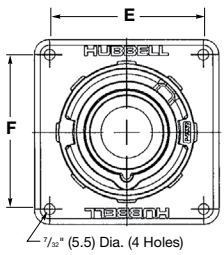


Short Housing Plug

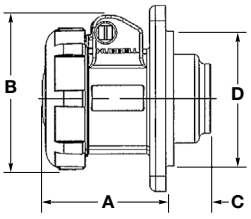


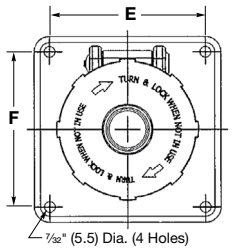
Connector Body





Inlet





Receptacle

Dimensions in Inches (mm)

Plug Dimensions

Type	A	B	Cord Grip Range
HBL320P	6.61" (167.8)	2.87" (73.0)	.330"-.830" (8.4-21.1)
HBL420P	7.00" (177.8)	3.19" (81.0)	.330"-.830" (8.4-21.1)
HBL520P	7.65" (194.3)	3.50" (89.0)	.330"-.830" (8.4-21.1)
HBL330P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL430P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL530P	8.54" (216.9)	4.02" (102.0)	.500"-1.450" (12.7-36.8)
HBL360P, HBL460P, HBL560P	10.15" (257.8)	4.49" (114.0)	.500"-1.450" (12.7-36.8)
HBL3100P, HBL4100P, M4100P, HBL5100P, M5100P	12.63" (320.8)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)

Short Housing Plug Dimensions

Type	A	B	Cord Grip Range
HBL5100P9WSH	8.30" (210.82)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)

Connector Body Dimensions

Type	A	B	Cord Grip Range
HBL320C	7.21 (183.1)	3.10 (78.9)	.330"-.830" (8.4-21.1)
HBL420C	7.57 (192.3)	3.43 (87.2)	.330"-.830" (8.4-21.1)
HBL520C	8.24 (209.2)	3.71 (94.3)	.330"-.830" (8.4-21.1)
HBL330C	8.24 (209.2)	3.71 (94.3)	.375"-1.250" (9.5-31.8)
HBL430C	8.69 (220.6)	3.74 (95.0)	.375"-1.250" (9.5-31.8)
HBL530C	9.33 (237.0)	4.02 (102.1)	.500"-1.450" (12.7-36.8)
HBL360C, HBL460C, HBL560C	10.75 (272.9)	4.39 (111.5)	.500"-1.450" (12.7-36.8)
HBL3100C, HBL4100C, M4100C, HBL5100C, M5100C	13.14 (333.8)	5.06 (128.5)	1.065"-1.940" (27.1-49.3)

Inlet Dimensions

Type	A	B	C	D	E	F
HBL320B	2.54" (64.5)	1.85" (47.0)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL420B	2.54" (64.5)	2.11" (53.6)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL520B	2.54" (64.5)	2.41" (61.2)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL330B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL430B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL530B	2.99" (76.0)	2.75" (69.9)	1.04" (26.5)	2.80" (71.0)	3.75" (95.3)	3.13" (79.5)
HBL360B, HBL460B, HBL560B	4.04" (102.6)	2.97" (75.5)	1.18" (30.0)	3.46" (88.0)	4.50" (114.3)	3.88" (98.5)
HBL3100B, HBL4100B, M4100B, HBL5100B, M5100B	4.53" (115)	3.44" (87.5)	1.95" (49.5)	3.94" (100.0)	5.50" (139.7)	4.88" (124.0)

Receptacle Dimensions

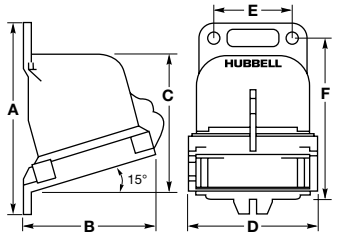
Type	A	B	C	D	E	F
HBL320R	2.47 (62.8)	3.10 (78.9)	.91 (23.0)	2.71 (68.9)	3.75 (95.3)	3.13 (79.4)
HBL420R	2.46 (62.4)	3.43 (87.2)	.91 (23.0)	2.71 (68.9)	3.75 (95.3)	3.13 (79.4)
HBL520R	2.50 (63.4)	3.71 (94.3)	.90 (22.9)	2.71 (68.9)	3.75 (95.3)	3.12 (79.3)
HBL330R	2.74 (69.7)	3.74 (95.0)	1.04 (26.5)	2.71 (68.9)	3.75 (95.3) SQ	4X 3.13 (79.4) SQ
HBL430R	2.74 (69.7)	3.74 (95.0)	1.04 (26.5)	2.71 (68.9)	3.75 (95.3) SQ	4X 3.13 (79.4) SQ
HBL530R	2.75 (69.7)	4.02 (102.1)	1.04 (26.5)	2.83 (71.9)	3.75 (95.3) SQ	3.13 (79.4) SQ
HBL360R, HBL460R, HBL560R	3.67 (93.2)	4.39 (111.5)	1.57 (40.0)	3.45 (87.7)	4.50 (114.3) SQ	3.88 (98.4) SQ
HBL3100R, HBL4100R, M4100R, HBL5100R, M5100R	3.78 (96.1)	5.07 (128.7)	2.30 (58.5)	3.93 (99.8)	4.87 (123.7) SQ	5.50 (139.7) SQ

Note: 20, 30, 60 and 100A devices are dimensionally equivalent to 16, 32, 63 and 125A devices, respectively.

Non-Metallic 15º Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Back box for 16, 20, 30 & 32A devices.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00"	**BB2030N**
Back box for 60 & 63A devices.	1¼"	7.76" (197.0)	5.16" (131.0)	5.87" (149.0)	4.72" (120.0)	2.99" (76.0)	6.94" (176.0)	70.00"	**BB60N**
Back box for 100 & 125A devices.	1½"	8.21" (209.0)	6.23" (158.0)	6.31" (160.3)	5.71" (145.0)	3.99" (101.0)	7.41" (188.0)	120.00"	**BB100N**

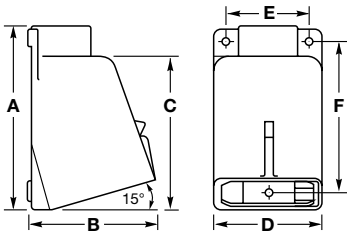
*Note: *Hub is not included; order one of the following Raco® part numbers: 1 inch = 1704, 1¼ inch = 1705, 1½ inch = 1706. These boxes meet IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.*



Non-Metallic Angle Box

Metallic 15º Angle Back Box

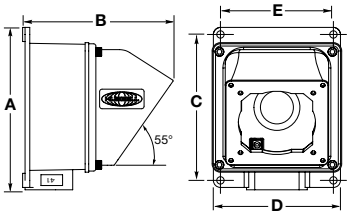
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Back box for 16, 20, 30 & 32A devices.	¾"	5.12" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB201W**
Back box for 16, 20, 30 & 32A devices.	1"	5.12" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB301W**
Back box for 60 & 63A devices.	1¼"	7.25" (184.2)	5.25" (133.4)	6.00" (152.4)	4.50" (114.3)	3.75" (95.3)	6.19" (157.2)	80.00"	**BB601W**
Back box for 60 & 63A devices.	1½"	7.25" (184.2)	5.25" (133.4)	6.00" (152.4)	4.50" (114.3)	3.75" (95.3)	6.19" (157.2)	80.00"	**BB602W**
Back box for 100 &125A devices.	1½"	8.12" (206.4)	6.75" (171.5)	6.88" (174.6)	5.50" (139.7)	4.75" (120.7)	6.94" (176.2)	130.00"	**BB1001W**
Back box for 100 & 125A devices.	2"	8.12" (206.4)	6.75" (171.5)	6.88" (174.6)	5.50" (139.7)	4.75" (120.7)	6.94" (176.2)	130.00"	**BB1002W**



Metallic 15º Angle Box

Metallic 55º Angle Back Box and Adapter

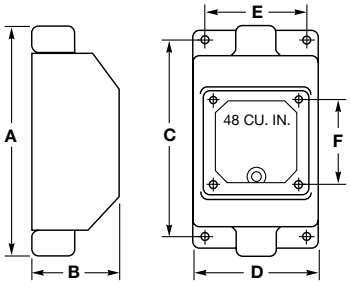
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Feed-thru box and angle adapter for 16, 20, 30 & 32A devices.	1"	6.80" (172.4)	6.60" (167.0)	5.63" (142.9)	4.50" (114.3)	3.74" (95.0)	–	42.27"	**AB203055**
Angle adapter for 16, 20, 30 & 32A devices.	–	4.89" (124.3)	3.33" (84.6)	4.29" (109.0)	3.75" (95.2)	2.50" (63.5)	–	25.00"	**AA203055**
Back box and angle adapter for 60, 63, 100 & 125A devices.	1½"	8.50" (215.9)	8.00" (202.9)	7.75" (196.8)	6.90" (174.8)	6.00" (152.4)	–	100.00"	**FW6010055**
Angle adapter for 60, 63, 100 & 125A devices.	–	6.75" (171.4)	4.48" (113.7)	6.00" (152.4)	6.75" (171.4)	6.00" (152.4)	–	79.00"	**AA6010055**



Metallic 55º Angle Box

Metallic Feed-Thru Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Feed-thru box for 16, 20, 30 & 32A devices.	¾"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT202W**
Feed-thru box for 16, 20, 30 & 32A devices.	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT302W**

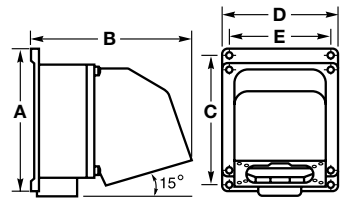


Metallic Feed-Thru Box

Metallic Four-Way 15º Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Four-way box for 60, 63, 100 & 125A devices.	1½"	8.75" (222.3)	9.75" (247.7)	7.75" (196.9)	6.75" (171.5)	6.00" (152.4)	–	210.00"	**FW60100**

Note: These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL rain tight and external icing test.



Metallic Four-Way Angle Box

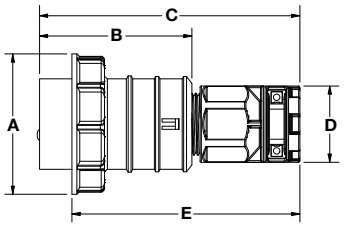
Dimensions in Inches (mm)

Watertight Series

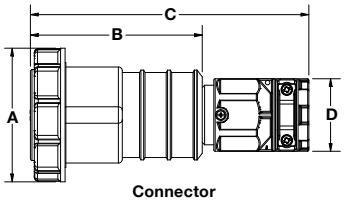
Product Dimensions Inches (mm)

Plug	A Inches (mm)	B Inches (mm)	C Inches (mm)	D Inches (mm)	E Inches (mm)
C320P	2.78" (70)	3.62" (94)	5.98" (152)	1.73" (44)	5.20" (132)
C420P	2.78" (70)	3.7" (94)	6.3" (160)	1.73" (44)	5.39" (137)
C520P	3.41" (86)	3.61" (92)	6.34" (161)	1.85" (47)	5.55" (141)
C330P, C430P	3.7" (94)	4.49" (114)	8.03" (204)	2.32" (59)	6.81" (173)
C530P	4.0" (101)	4.49" (114)	8.11" (206)	2.32" (59)	6.73" (171)
C360P, C460P, C560P	4.47" (114)	6.0" (153)	10.24" (260)	2.83" (72)	8.19" (208)
C3100P, C4100P, C5100P	4.94" (126)	6.73" (171)	12.13" (308)	3.58" (91)	9.88" (251)
C316P	2.78" (70)	3.62" (94)	5.21" (132)	1.73" (44)	4.53" (115)
C416P	2.78" (70)	3.62" (94)	5.21" (132)	1.85" (47)	4.3" (109)
C516P	3.41" (86)	3.62" (94)	5.43" (138)	1.73" (44)	4.26" (108)
C332P, C432P	3.7" (94)	4.49" (114)	6.54" (166)	2.32" (59)	5.44" (138)
C532P	4.0" (101)	4.49" (114)	6.54" (166)	2.32" (59)	5.16" (131)
C363P, C463P, C563P	4.47" (114)	6.0" (153)	8.44" (214)	2.83" (72)	6.39" (162)
C3125P, C4125P, C5125P	4.94" (126)	6.73" (171)	9.77" (248)	3.58" (91)	7.52" (191)
Connector					
C320C	2.78" (70)	4.29" (109)	6.77" (172)	1.73" (44)	
C420C	3.09" (78)	4.29" (109)	6.89" (175)	1.85" (47)	
C520C	3.41" (86)	4.41" (112)	7.2" (183)	1.73" (44)	
C330C, C430C	3.7" (94)	5.35" (136)	8.78" (223)	2.32" (59)	
C530C	4.0" (101)	5.35" (136)	8.98" (228)	2.32" (59)	
C360P, C460P, C560P	4.37" (111)	6.85" (174)	11.06" (285)	2.83" (72)	
C3100C, C4100C, C5100C	4.92" (125)	7.44" (189)	12.83" (326)	3.58" (91)	
C316C	2.78" (70)	4.29" (109)	5.88" (149)	1.73" (44)	
C416C	3.7" (94)	4.29" (109)	5.88" (149)	1.85" (47)	
C516C	4.0" (101)	4.41" (112)	6.22" (157)	1.73" (44)	
C332C, C432C	4.37" (111)	5.35" (136)	7.44" (187)	2.32" (59)	
C532C	4.37" (111)	5.35" (136)	7.4" (187)	2.32" (59)	
C363C, C463C, C563C	4.37" (111)	6.85" (174)	9.29" (235)	2.83" (72)	
C3125C, C4125C, C5125C	4.92" (125)	7.44" (189)	10.48" (266)	3.58" (91)	
Receptacle					
C316R, C320R	2.78" (70)	2.83" (72)	2.95" (75)	2.17" (55)	0.22" (5)
C416R, C420R	3.09" (78)	3.23" (82)	2.95" (75)	2.24" (57)	0.22" (5)
C516R, C520R	3.39" (86)	2.83" (72)	2.95" (75)	2.17" (55)	0.22" (5)
C330R, C430R, C332R, C432R	3.7" (94)	4.25" (108)	2.95" (75)	2.68" (68)	0.22" (5)
C530R, C532R	3.98" (101)	4.33" (110)	2.95" (75)	2.52" (64)	0.22" (5)
All 60A & 63A	4.37" (111)	5.2" (132)	3.94" (100)	2.95" (75)	0.26" (6)
All 100 & 125A	4.92" (125)	6.42" (163)	4.72" (120)	4.53" (115)	0.28" (7)
Inlet					
C316B, C320B	3.35" (85)	0.25" (6)	4.06" (103)	3.31" (84)	3.5" (89)
C416B, C420B	3.35" (85)	0.25" (6)	4.29" (109)	3.46" (88)	3.7" (94)
C516B, C520B	3.35" (85)	0.25" (6)	4.53" (115)	3.66" (93)	3.9" (99)
C330B, C430B, C332B, C432B	3.35" (85)	0.25" (6)	4.72" (120)	3.78" (96)	4.06" (103)
C530B, C532B	3.35" (85)	0.25" (6)	5.28" (134)	4.17" (106)	4.45" (113)
All 60A & 63A	3.94" (100)	0.26" (7)	6.1" (155)	4.65" (118)	4.92" (125)
All 100 & 125A	4.72" (120)	0.26" (7)	5.91" (150)	5.12" (130)	5.35" (136)
Angled Receptacle					
C316AR, C320AR	2.44" (62)	0.22" (5)	3.23" (82)	2.09" (53)	3.19" (81)
C416AR, C420AR	3.62" (92)	0.22" (5)	3.27" (83)	2.2" (56)	3.43" (87)
C516AR, C520AR	3.35" (85)	0.22" (5)	3.46" (88)	2.32" (59)	3.82" (97)
C330AR, C332AR, C430AR, C432AR	3.35" (85)	0.22" (5)	4.76" (121)	2.72" (69)	4.02" (102)
C530AR, C532AR	3.35" (85)	0.22" (5)	4.61" (117)	2.72" (69)	4.37" (111)
All 60AR	4.49" (114)	0.26" (6)	5.67" (144)	3.15" (80)	4.69" (119)
All 100AR	4.49" (114)	0.26" (6)	6.81" (173)	3.5" (89)	5.28" (134)

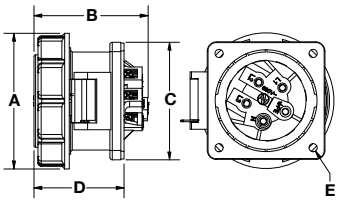
IP67
SUITABILITY



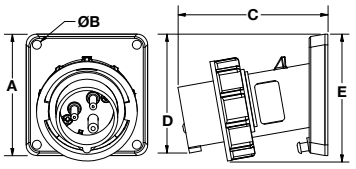
Plug



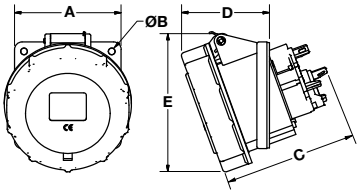
Connector



Receptacle



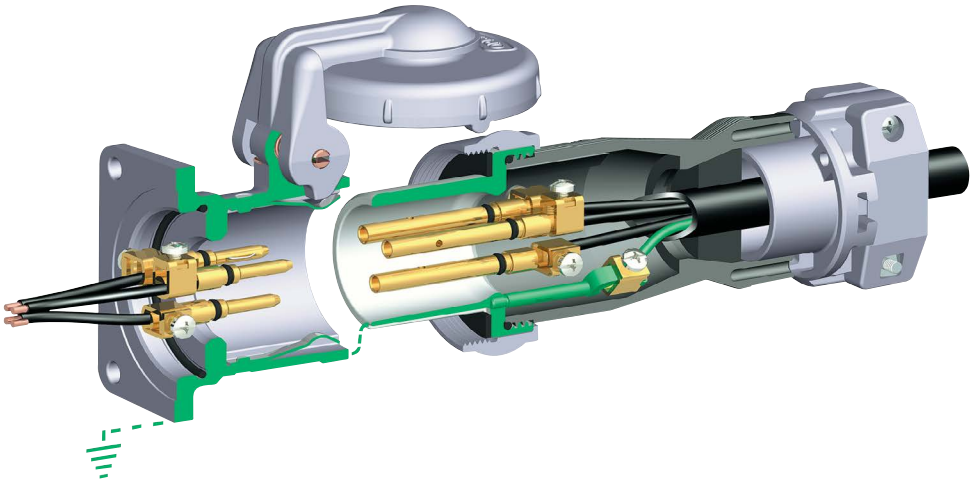
Inlet
Front & Side View



Angled Receptacle
Front & Side View

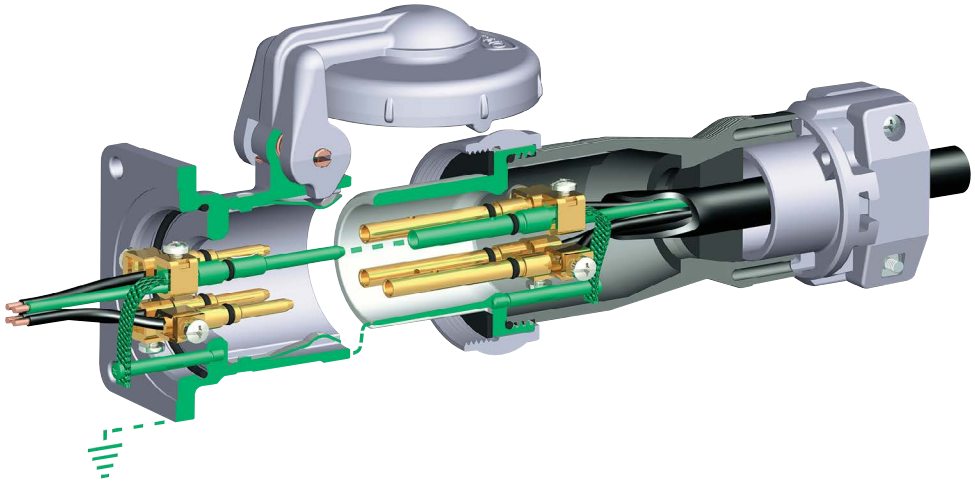
Ground Path

To reduce the likelihood of electrical shock, the National Electrical Code requires that non-current carrying metallic components be grounded. Insulgrip Pin and Sleeve wiring devices offer two styles of grounding.



Style I

Receptacles achieve grounding by attaching the ground conductor to the ground screw inside the back box and utilizing the metallic receptacle shell as a ground source (see 3P 4W Style I illustration). Plugs and connectors establish grounding by means of connecting the flexible cable ground conductor to a ground terminal within each device, which, in turn, is grounded through the metallic plug or connector shroud. Any exposed metallic components are suitably grounded in the Style I offering.



Style II

The Style II ground path offers two means of achieving the proper ground path. In addition to utilizing the same grounding method as in the Style I product, the Style II version incorporates a separate ground pin and sleeve (see 3P 4W Style II illustration). This provides a second ground path. The ground pin on Style II devices is longer than other pins, meaning that they “make first" and “break last," assuring protection for people and equipment.

New Pole and Wire Terminology

Style I			Style II		
New	Old	No. of Contacts	New	Old	No. of Contacts
2P 3W	2W 2P	2	2P 3W	2W 3P	3
3P 4W	3W 3P	3	3P 4W	3W 4P	4
4P 5W	4W 4P	4			

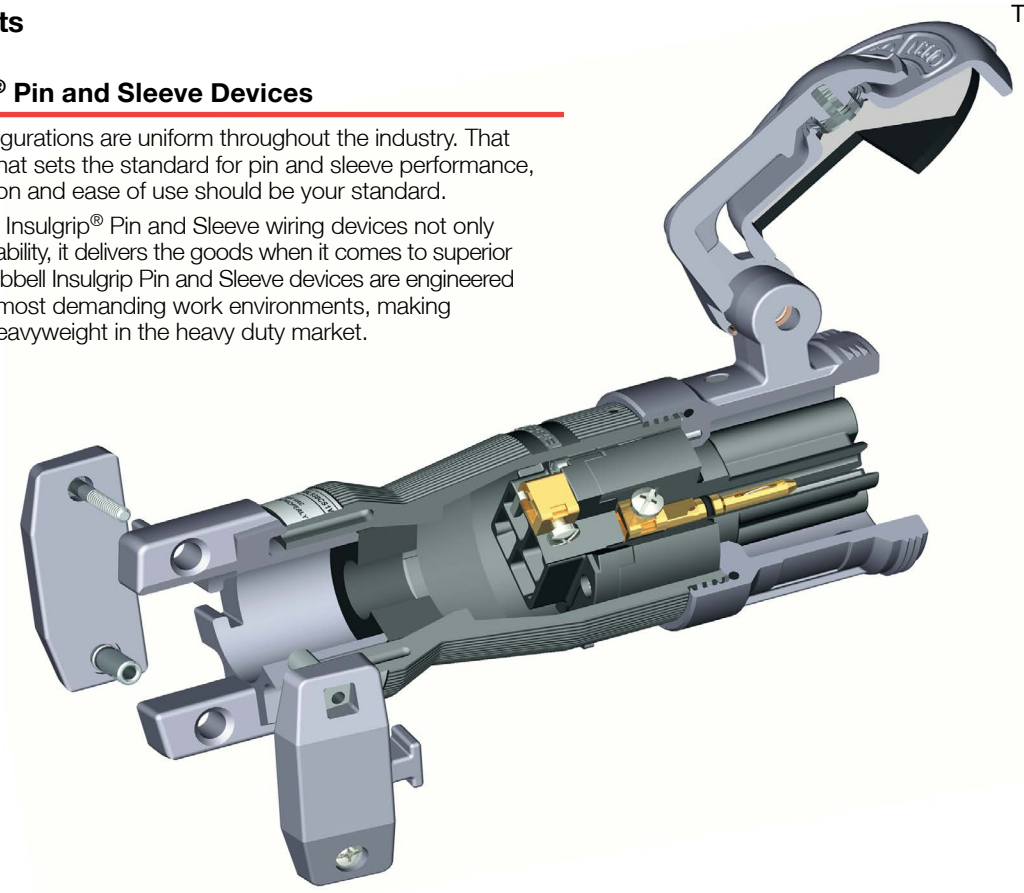
TYPE 4X

Features and Benefits

UL 1686 C1 Insulgrip® Pin and Sleeve Devices

UL standard 1686-C1 configurations are uniform throughout the industry. That means Hubbell–the name that sets the standard for pin and sleeve performance, reliability, durability, innovation and ease of use should be your standard.

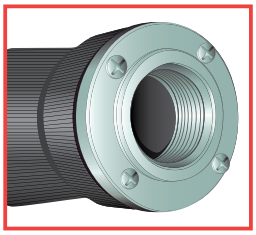
Hubbell's line of heavy duty Insulgrip® Pin and Sleeve wiring devices not only offers complete interchangeability, it delivers the goods when it comes to superior design and construction. Hubbell Insulgrip Pin and Sleeve devices are engineered and built to handle today's most demanding work environments, making Hubbell the unsurpassed heavyweight in the heavy duty market.





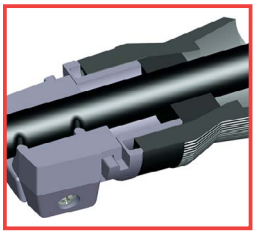
Housing Design

- Thermoplastic housing provides excellent insulating, impact, corrosion, and UV resistant properties. Protects users and internal components in the roughest of environments
- Spring-loaded, gasketed cover provides a UL Type 4X watertight, dust-tight seal on connectors and receptacles



Liquidtight Conduit Adapters

- Machined aluminum adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector



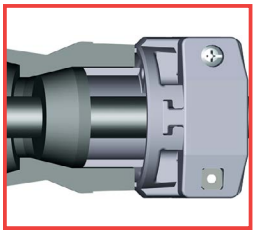
Powerful Mechanical Cord Grip

- Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations
- Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention



Terminal Entrance Holes

- Large, square funneled entrance holes isolate each conductor to protect against shorts due to stray conductor strands
- Tapered hole provides a fast and easy guide into the termination chamber
- Pin chamber confines arcing within the interior chamber during make and break cycle of mating devices, minimizes arc tracking



Watertight Cord Entrance

- The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord
- Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance



Anti-Vibration Box Terminals

- Interlocking box terminals ensure that terminal screws remain secure and cannot loosen
- The floating box is designed to obtain high-torque values without damaging stranded conductors

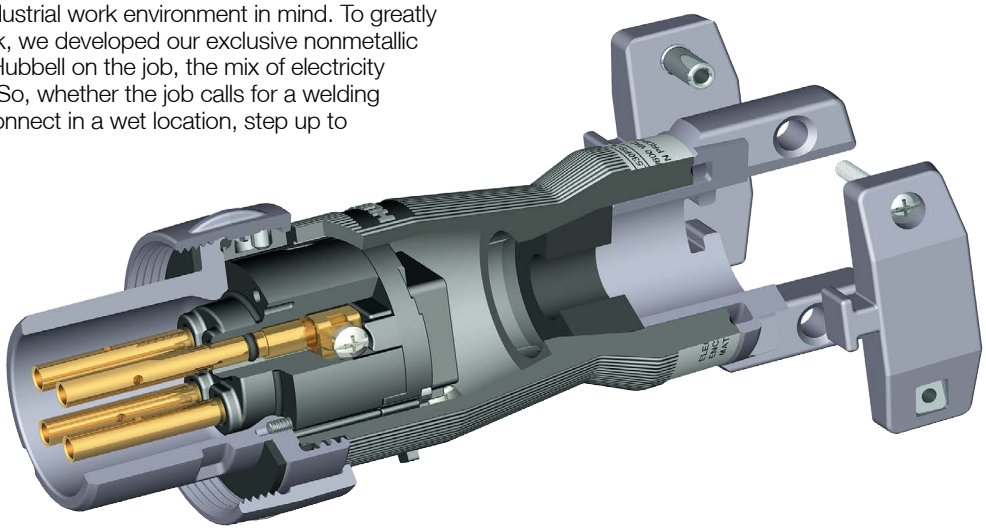
TYPE 4X

Features and Benefits

UL 1686 C1 Insulgrip® Pin and Sleeve Devices

Metallic where you want It, non-metallic where you need it. Different from traditional all-metallic devices, Hubbell Pin and Sleeve wiring devices are designed to provide metallic shrouding where you want it and a non-metallic housing where you need it.

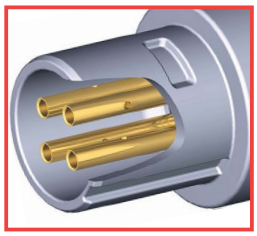
What's more, Hubbell's watertight Insulgrip Pin and Sleeve wiring devices are designed with safety first and foremost. We created the line with plant facility maintenance personnel and a safer industrial work environment in mind. To greatly reduce the likelihood of electrical shock, we developed our exclusive nonmetallic watertight system, meaning that with Hubbell on the job, the mix of electricity and water isn't the threat it once was. So, whether the job calls for a welding outlet in a dry location or a motor disconnect in a wet location, step up to Hubbell Pin and Sleeve wiring devices.





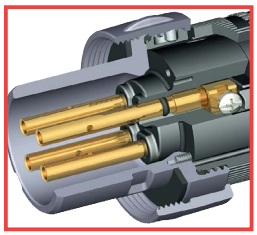
Housing Design

- Thermoplastic housing provides excellent insulating, impact, corrosion, and UV resistant properties. Protects users and internal components in the roughest of environments
- Locking ring provides a UL Type 4X watertight and dust-tight seal when the male and female devices are connected



Shrouded Sleeves

- Housing seal provides a watertight and dust-tight seal when mated with receptacle or connector
- Protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts
- Shroud protects contact sleeves from deforming from physical abuse



Interior Design

- Sleeve O-ring seal provides a watertight and dust-tight seal around the sleeves. Assures that contamination will not enter wire chamber
- All-brass sleeve contacts provide reliable electrical contact with mating pins, also with minimum heat build-up over time



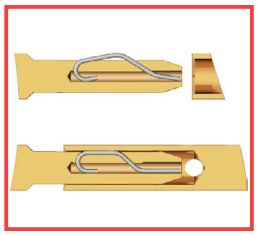
Thermoset Polyester Contact Carrier

- Molded thermoset polyester provides high resistance to electrical tracking
- Withstands higher temperatures which may result from overload or arcing
- Thermoset properties provide dimensional stability for this critical assembly



Product Marking

- Catalog number and rating visible while in use. Markings are color coded differentiating Style I and Style II devices



Beryllium Copper Spring-Pin Design (Patented)

- Maintains high unit pressure on mating sleeves. Ensures reliable electrical contact while minimizing heat rise due to normal pin wear over time

Pin and Sleeve Devices/Mechanical Interlocks

30, 60, 100 and 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz

TYPE 4X**

Rating				Style I Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	 Receptacle	 Plug	 Connector	 Connector & Receptacle	 Plug
30	2P 3W		600/250	HBL330RS1W	HBL330PS1W	HBL330CS1W	IN330FS1	IN330MS1
	3P 4W		600/250	HBL430RS1W	HBL430PS1W	HBL430CS1W	IN430FS1	IN430MS1
	4P 5W		600/250	HBL530RS1W	HBL530PS1W	HBL530CS1W	IN530FS1	IN530MS1
60	2P 3W		600/250	HBL360RS1W	HBL360PS1W	HBL360CS1W	IN360FS1	IN360MS1
	3P 4W		600/250	HBL460RS1W	HBL460PS1W	HBL460CS1W	IN460FS1	IN460MS1
	4P 5W		600/250	HBL560RS1W	HBL560PS1W	HBL560CS1W	IN560FS1	IN560MS1
100	2P 3W		600/250	HBL3100RS1W	HBL3100PS1W	HBL3100CS1W	IN3100FS1	IN3100MS1
	3P 4W		600/250	HBL4100RS1W	HBL4100PS1W	HBL4100CS1W	IN4100FS1	IN4100MS1
	4P 5W		600/250	HBL5100RS1W	HBL5100PS1W	HBL5100CS1W	IN5100FS1	IN5100MS1
200	3P 4W		600/250	HBL4200RS1W	HBL4200PS1W	HBL4200CS1W	IN4200FS1†	IN4200MS1†
	4P 5W		600/250	HBL5200RS1W	HBL5200PS1W	HBL5200CS1W	IN5200FS1†	IN5200MS1†

Rating				Style II Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	HBL330RS2W	HBL330PS2W	HBL330CS2W	IN330FS2	IN330MS2
	3P 4W		600/250	HBL430RS2W	HBL430PS2W	HBL430CS2W	IN430FS2	IN430MS2
60	2P 3W		600/250	HBL360RS2W	HBL360PS2W	HBL360CS2W	IN360FS2	IN360MS2
	3P 4W		600/250	HBL460RS2W	HBL460PS2W	HBL460CS2W	IN460FS2	IN460MS2
100	2P 3W		600/250	HBL3100RS2W	HBL3100PS2W	HBL3100CS2W	IN3100FS2	IN3100MS2
	3P 4W		600/250	HBL4100RS2W	HBL4100PS2W	HBL4100CS2W	IN4100FS2	IN4100MS2
200	2P 3W		600/250	HBL3200RS2W	HBL3200PS2W	HBL3200CS2W	IN3200FS2†	IN3200MS2†
	3P 4W		600/250	HBL4200RS2W	HBL4200PS2W	HBL4200CS2W	IN4200FS2†	IN4200MS2†

Rating				Corrosion Resistant Devices			Accessories	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	 Receptacle	 Plug	 Connector	 Back Boxes	 Angle Adapter
200	4P 5W		600/250	M5200RS1	M5200PS1	M5200CS1	MB2003W MB2004W	AA20045

Note: *__CAUTION:__ *To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*
***While in use or with cover closed.*
†Consult factory.
See page AA-19 for corrosion resistant cord sets.

30, 60, 100 and 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz

TYPE 4X**

Rating				"Reversed Service" Style I Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	 Receptacle	 Plug	 Connector	 Connector & Receptacle	 Plug
30	2P 3W		600/250	HBL330RS1WR	HBL330PS1WR	HBL330CS1WR	IN330MS1	IN330FS1
	3P 4W		600/250	HBL430RS1WR	HBL430PS1WR	HBL430CS1WR	IN430MS1	IN430FS1
	4P 5W		600/250	HBL530RS1WR	HBL530PS1WR	HBL530CS1WR	IN530MS1	IN530FS1
60	2P 3W		600/250	HBL360RS1WR	HBL360PS1WR	HBL360CS1WR	IN360MS1	IN360FS1
	3P 4W		600/250	HBL460RS1WR	HBL460PS1WR	HBL460CS1WR	IN460MS1	IN460FS1
	4P 5W		600/250	HBL560RS1WR	HBL560PS1WR	HBL560CS1WR	IN560MS1	IN560FS1
100	2P 3W		600/250	HBL3100RS1WR	HBL3100PS1WR	HBL3100CS1WR	IN3100MS1	IN3100FS1
	3P 4W		600/250	HBL4100RS1WR	HBL4100PS1WR	HBL4100CS1WR	IN4100MS1	IN4100FS1
	4P 5W		600/250	HBL5100RS1WR	HBL5100PS1WR	HBL5100CS1WR	IN5100MS1	IN5100FS1
200	3P 4W		600/250	HBL4200RS1WR	HBL4200PS1WR	HBL4200CS1WR	IN4200MS1†	IN4200FS1†
	4P 5W		600/250	HBL5200RS1WR	HBL5200PS1WR	HBL5200CS1WR	IN5200MS1†	IN5200FS1†

Rating				"Reversed Service" Style II Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	HBL330RS2WR	HBL330PS2WR	HBL330CS2WR	IN330MS2	IN330FS2
	3P 4W		600/250	HBL430RS2WR	HBL430PS2WR	HBL430CS2WR	IN430MS2	IN430FS2
60	2P 3W		600/250	HBL360RS2WR	HBL360PS2WR	HBL360CS2WR	IN360MS2	IN360FS2
	3P 4W		600/250	HBL460RS2WR	HBL460PS2WR	HBL460CS2WR	IN460MS2	IN460FS2
100	2P 3W		600/250	HBL3100RS2WR	HBL3100PS2WR	HBL3100CS2WR	IN3100MS2	IN3100FS2
	3P 4W		600/250	HBL4100RS2WR	HBL4100PS2WR	HBL4100CS2WR	IN4100MS2	IN4100FS2
200	2P 3W		600/250	HBL3200RS2WR	HBL3200PS2WR	HBL3200CS2WR	IN3200MS2†	IN3200FS2†
	3P 4W		600/250	HBL4200RS2WR	HBL4200PS2WR	HBL4200CS2WR	IN4200MS2†	IN4200FS2†

Rating				"Reversed Service" Corrosion Resistant Devices			Accessories	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	 Receptacle	 Plug	Connector	 Back Boxes	 Angle Adapter
200	4P 5W		600/250	M5200BS1R	M5200CS1R	—	MB2003W MB2004W	AA20045

Note: ***CAUTION:** *To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*
***While in use or with cover closed.*
†Consult factory.
See page AA-19 for corrosion resistant cord sets.


MB301W


MB304W


MB601003W


MB601006W


MB2003W


CC3430


ILR1


SAB34


074093403

Insulgrip Pin and Sleeve Metallic Back Boxes

Hubbell manufactures an extensive line of back boxes for use with UL 1686 Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit.

Metallic 30° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Back box for 30A devices.	30	¾"	**MB301W**
	30	1"	**MB302W**

Metallic 15° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Back box for 60A devices.	60	1"	**MB601W**
	60	1¼"	**MB602W**
	60	1½"	**MB603W**

Metallic Feed-Thru Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Straight feed-thru box for 30A devices.	30	¾"	**MB303W**
	30	1"	**MB304W**
Straight feed-thru box for 60A devices.	60	1"	**MB604W**
	60	1¼"	**MB605W**
	60	1½"	**MB606W**

Metallic Four-Way Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Four-way 15° angle box for 60 and 100A devices.	60/100	1¼"	**MB601002W**
	60/100	1½"	**MB601003W**
	60/100	2"	**MB601004W**
Four-way 45° angle box for 200A devices.	200	2"	**MB2003W**
	200	2½"	**MB2004W**
45° Angle adapter only for 200A devices.	200	-	**AA20045**

Metallic Four-Way Feed-Thru 15° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Four-way feed-thru, 15° angle for 60 and 100A devices.	60/100	1¼"	**MB601006W**
	60/100	1½"	**MB601007W**
	60/100	2"	**MB601008W**

*Note: *These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*

Replacement Cord Clamp and Locking Ring

Description	Used on	Cord Clamp Catalog Number	Locking Ring Catalog Number
Fits all 30A plugs and connectors.	All 3, 4, 5 wire	**CC3430**	**ILR1****
Fits all 60A plugs and connectors.	4 wire (Style 2) and all 5 wire	**CC60**	**ILR2****
	All 3 wire and 4 wire (Style 1)	**CC60**	**ILR3****
Fits all 100A plugs and connectors.	4 wire (Style 2) and all 5 wire	**CC100**	**ILR4****
	All 3 wire and 4 wire (Style 1)	**CC100**	**ILR5****
Fits all 200A plugs and connectors.	All 3, 4, 5 wire	**CC201**	**—**

*Note: **Locking Ring only.*

Liquidtight Adapters

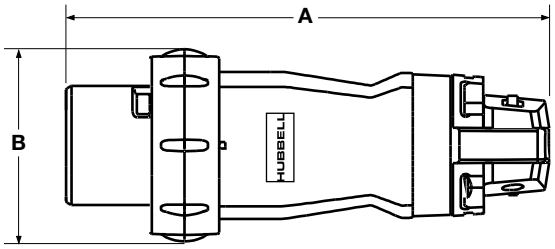
Rating of Hubbell Pin and Sleeve Device	Liquidtight Conduit Size	Hubbell Liquidtight Adapter	Optional Kellems Liquidtight Conduit Grip
30 Amp	½" NPT	**SAB12**	**074093402**
	¾" NPT	**SAB34**	**074093403**
	1" NPT	**SAB100**	**074093404**
60 Amp	1" NPT	**SAC100**	**074093404**
	1¼" NPT	**SAC125**	**074093405**
100 Amp	1¼" NPT	**SAD125**	**074093405**
	1½" NPT	**SAD150**	**074093406**

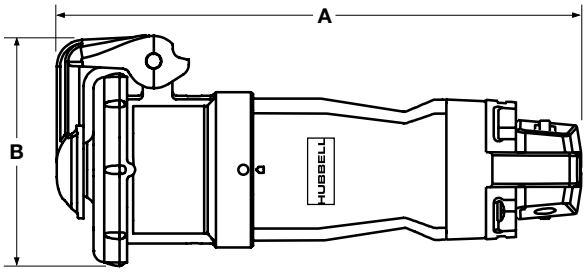
Plug Dimensions

		A		B		
Amps	Type	Style I	Style II	Style I	Style II	Cord Grip Range
30	330P	7.53" (191)	7.53" (191)	3.00" (76)	3.00" (76)	.375-1.20" (9.5-30.5)
	430P	7.53" (191)	7.53" (191)	3.00" (76)	3.00" (76)	.375-1.20" (9.5-30.5)
	530P	7.53" (191)		3.00" (76)		.375-1.20" (9.5-30.5)
60	360P	9.40" (239)	9.40" (239)	3.40" (86)	3.40" (86)	.500-1.45" (12.7-36.8)
	460P	9.40" (239)	9.40" (239)	3.40" (86)	3.70" (94)	.500-1.45" (12.7-36.8)
	560P	9.40" (239)		3.70" (94)		.500-1.45" (12.7-36.8)
100	3100P	10.70" (272)	10.70" (272)	3.70" (94)	3.70" (94)	.925-1.94" (27.0-49.3)
	4100P	10.70" (272)	10.90" (277)	3.70" (94)	4.00" (102)	.925-1.94" (27.0-49.3)
	5100P	10.90" (277)		4.00" (102)		.925-1.94" (27.0-49.3)
200	3200P		11.13" (282)		6.35" (161)	1.00-2.50" (25.4-63.5)
	4200P	11.13" (282)	11.13" (282)	6.35" (161)	6.70" (170)	1.00-2.50" (25.4-63.5)
	5200P	11.13" (282)		6.70" (170)		1.00-2.50" (25.4-63.5)

Connector Body Dimensions

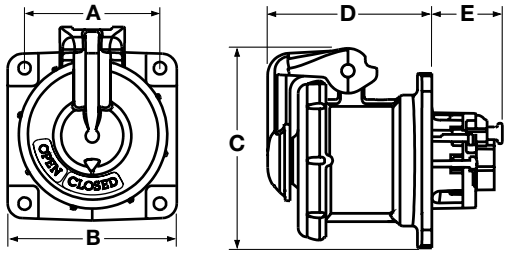
		A		B		
Amps	Type	Style I	Style II	Style I	Style II	Cord Grip Range
30	330C	8.38" (213)	8.38" (213)	3.74" (95)	3.74" (95)	.375-1.20" (9.5-30.5)
	430C	8.38" (213)	8.38" (213)	3.74" (95)	3.74" (95)	.375-1.20" (9.5-30.5)
	530C	8.38" (213)		3.74" (95)		.375-1.20" (9.5-30.5)
60	360C	9.90" (251)	9.90" (251)	3.50" (89)	3.50" (89)	.500-1.45" (12.7-36.8)
	460C	9.90" (251)	10.10" (256)	3.50" (89)	3.80" (96)	.500-1.45" (12.7-36.8)
	560C	10.10" (256)		3.80" (96)		.500-1.45" (12.7-36.8)
100	3100C	11.70" (297)	11.70" (297)	4.50" (114)	4.50" (114)	.925-1.94" (27.0-49.3)
	4100C	11.70" (297)	11.90" (302)	4.50" (114)	4.70" (119)	.925-1.94" (27.0-49.3)
	5100C	11.90" (302)		4.70" (119)		.925-1.94" (27.0-49.3)
200	3200C		13.65" (346)		7.00 (177)	1.00-2.50" (25.4-63.5)
	4200C	13.65" (346)	13.65" (346)	7.00" (177)	7.39 (187)	1.00-2.50" (25.4-63.5)
	5200C	13.65" (346)		7.39" (187)		1.00-2.50" (25.4-63.5)



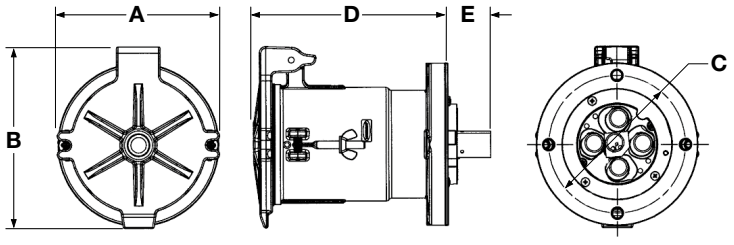


Receptacle Dimensions

		A		B		C		D		E	
Amps	Type	Style I	Style II	Style I	Style II	Style I	Style II	Style I	Style II	Style I	Style II
30	330R	2.72" (69)	2.72" (69)	3.40" (86)	3.40" (86)	3.89" (99)	3.89" (99)	3.19" (81)	3.19" (81)	1.37" (35)	1.37" (35)
	430R	2.72" (69)	2.72" (69)	3.40" (86)	3.40" (86)	3.89" (99)	3.89" (99)	3.19" (81)	3.19" (81)	1.37" (35)	1.37" (35)
	530R	2.72" (69)		3.40" (86)		3.89" (99)		3.19" (81)		1.37" (35)	
60	360R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.66" (118)	4.42" (112)	4.42" (112)	1.54" (39)	1.54" (39)
	460R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.66" (118)	4.42" (112)	4.42" (112)	1.54" (39)	1.54" (39)
	560R	3.50" (89)		4.25" (108)		4.66" (118)		4.42" (112)		1.54" (39)	
100	3100R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.70" (119)	5.30" (135)	5.30" (135)	1.54" (39)	1.54" (39)
	4100R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.70" (119)	5.30" (135)	5.30" (135)	1.54" (39)	1.54" (39)
	5100R	3.50" (89)		4.25" (108)		4.66" (118)		5.30" (135)		1.54" (39)	
200	3200R		6.50" (165)		7.00" (177)		5.63" (143)		7.76" (197)		.99" (25)
	4200R	6.50" (165)	6.90" (170)	7.00" (177)	7.39" (187)	5.63" (143)	5.63" (143)	7.76" (197)	7.76" (197)	.99" (25)	.99" (25)
	5200R	6.90" (170)		7.39" (187)		5.63" (143)		7.76" (197)		.99" (25)	

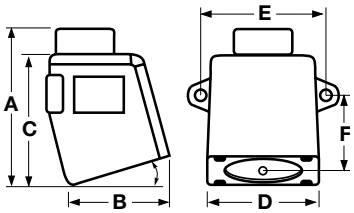


30, 60 and 100 Amp



200 Amp

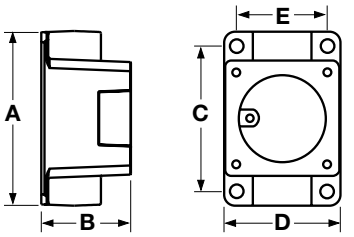
Dimensions in Inches (mm)



Metallic Angle Box

Metallic Angle Back Box

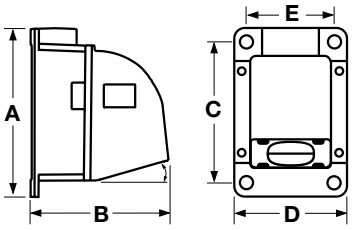
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
30° Angle back box for 30A devices.	¾"	4.87" (124.0)	2.94" (75.0)	4.02" (102.0)	3.40" (86.0)	4.25" (108.0)	2.12" (54.0)	**MB301W**
	1"	4.87" (124.0)	2.94" (75.0)	4.02" (102.0)	3.40" (86.0)	4.25" (108.0)	2.12" (54.0)	**MB302W**
15° Angle back box for 60A devices.	1"	–	4.80" (121.9)	–	–	5.25" (133.4)	2.69" (68.3)	**MB601W**
	1¼"	–	4.80" (121.9)	–	–	5.25" (133.4)	2.69" (68.3)	**MB602W**
	1½"	–	4.80" (121.9)	–	–	5.25" (133.4)	2.69" (68.3)	**MB603W**



Metallic Feed-Thru Box

Metallic Feed-Thru Back Box

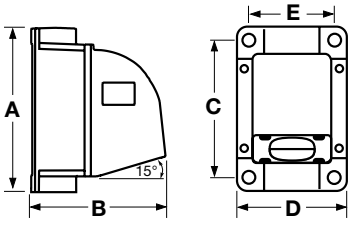
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
Back box for 30A devices.	¾"	5.35" (136.0)	2.91" (74.0)	4.53" (115.0)	3.59" (91.0)	2.62" (67.0)	–	**MB303W**
	1"	5.35" (136.0)	2.91" (74.0)	4.53" (115.0)	3.59" (91.0)	2.62" (67.0)	–	**MB304W**
Back box for 60A devices.	1"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	–	**MB604W**
	1¼"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	–	**MB605W**
	1½"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	–	**MB606W**



Metallic Four-Way Angle Box

Metallic Four-Way Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
15° Angle four-way box for 60 and 100A devices.	1¼"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601002W**
	1½"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601003W**
	2"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601004W**
45° Angle four-way box for 200A devices.	2"	10.82" (274.8)	9.86" (250.4)	9.50" (241.3)	8.17" (207.5)	6.75" (171.5)	–	**MB2003W**
	2½"	10.82" (274.8)	9.86" (250.4)	9.50" (241.3)	8.17" (207.5)	6.75" (171.5)	–	**MB2004W**
45° Angle adapter only for 200A devices.	–	8.00" (203.2)	6.00" (152.4)	7.00" (178.0)	8.00" (203.2)	7.00" (178.0)	–	**AA20045**



Metallic Feed-Thru Angle Box

Metallic Four-Way Feed-Thru 15º Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
Four-way Feed-thru box for 60 and 100A devices.	1¼"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601006W**
	1½"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601007W**
	2"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	–	**MB601008W**

Note: These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

Dimensions in Inches (mm)

Materials (30, 60, 100, and 200 Amp)

Plug	Material
Housing	PBT (200A Aluminum)
Plug Shroud	Aluminum
Cord Clamps	PBT (200A Aluminum)
Clamp Nut	Nickel Plated Brass
Gland Cap	PBT
Gland	Neoprene
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Sleeves	Brass (M-Series - Nickel-plated tellurium copper)
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Nickel Plated Spring Bronze
Locking Ring	Epoxy Painted Aluminum
Connector Body	
Housing	PBT (200 Amp Aluminum)
Connector Shroud	Epoxy Painted Aluminum
Cord Clamps	PBT
Clamp Nut	Nickel Plated Brass
Gland Cap	PBT (200A Aluminum)
Gland	Neoprene
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Pin	Brass (M-Series - Nickel-plated tellurium copper)
Pin Spring	Beryllium Copper
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Nickel Plated Spring Bronze
Cover	Epoxy Painted Aluminum
Cover Arm	Epoxy Painted Aluminum
Spring Guide	Stainless Steel (300 Series)
Springs (Arm & Wave)	Stainless Steel (300 Series)
Spring Washer	Stainless Steel (300 Series)
Hinge Bushing	Aluminum
Rivet	Aluminum
Receptacle	
Housing/Flange	Epoxy Painted Aluminum
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Pin	Brass (M-Series - Nickel-plated tellurium copper)
Pin Spring	Beryllium Copper
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Steel
Cover	Epoxy Painted Aluminum
Cover Arm	Epoxy Painted Aluminum
Spring Guide	Stainless Steel (300 Series)
Springs (Arm & Wave)	Stainless Steel (300 Series)
Spring Washer	Stainless Steel (300 Series)
Hinge Bushing	Aluminum
Rivet	Aluminum

Typical Specification

Manufacturer's ID	Hubbell HBL430PS2W
Description	Plug, Power Supply
Electrical Type	3 Pole + Earth
Max. Rating	30 Amp, 600V AC, 250V DC, 50-400Hz
Configuration	UL 1686, Watertight, C1 Configuration
Certification	UL Listed, UL Standard 1682, UL 50, and UL 1010 (plugs only), CSA Certified to CSA Spec. C22.2 No. 182.1, No. 94 and No. 159 (plugs only), UL Listed and CSA Certified Type 4X

Performance

Electrical	
Voltage	30, 60, 100 and 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz
Dielectric Voltage	Withstands 3,000V AC.
Max. Working Voltage	600V AC RMS (i.e., minimum creepage and clearance distance of 6.4 millimeters, per UL 1682).
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current.
Endurance	Up to 1,000 connect and disconnect cycles at full rated current and voltage.
Mechanical	
Impact Resistance	Per CSA C22.2, No. 182.1, UL 1682.
Cord Grip Cable Retention	Per CSA C22.2, No. 182.1, UL 1682.
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL. Standard 62, CSA C22.2 No. 49 and the harmonized <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with UL 1686 (1, 2, 3, Green).
Product Identification	Identification and ratings are permanently fastened to the device housing.
Environmental	
Hose Down & Moisture Resistance	Type 3, 4, 4X per UL 50E and CSA 22.2, No. 94.
Flammability (Enclosure)	UL 94V-0 and CSA C22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C without impact -25° with impact.
Hazardous Location (30, 60 & 100A) (plug only)	Class I, Division I & II, Groups B, C & D and Class II, Division I & II, Groups F & G per UL 1010 & CSA 22.2, No. 159.
Materials	
Housings	PBT 357 (200A Aluminum).
All Other Materials	Resistant to corrosion and chemical attack.

Watertight Application Guide

Industry	Watertight.
Agriculture	Outdoor for fans, heaters, pumps, etc.
Chemical Processing	Where subject to water, corrosion.
Construction	Outdoors subject to severe weather conditions.
Entertainment	Outdoors subject to severe weather.
Food Processing	Where subject to water, corrosion.
Food Service	Areas subject to wash downs & heavy cleaning.
Light Manufacturing	Subjected to cleaning, solvents & chemicals.
Manufacturing	Where subject to water, corrosion.
Military	Outdoor construction or maintenance.

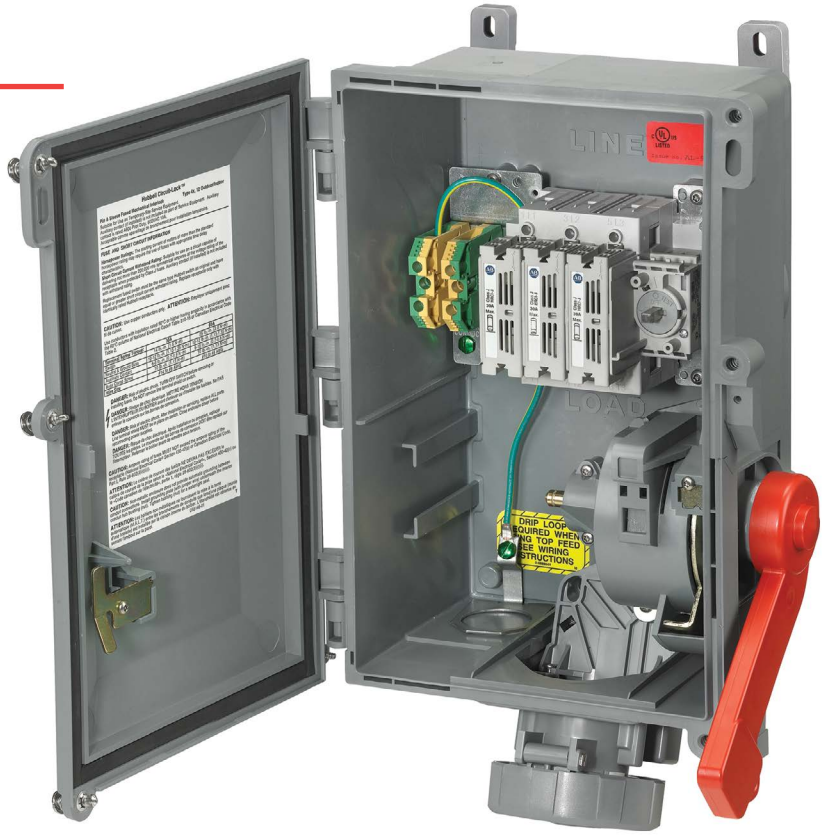
Features and Benefits

Style II Insulgrip® Mechanical Interlocks

Hubbell Circuit-Lock® Pin and Sleeve Mechanical Interlocks are a revolutionary design that incorporates a disconnect switch and pin and sleeve receptacle in a compact non-metallic unit. These devices offer maximum safety by preventing users from mating or breaking a circuit under load—Hubbell's interlock mechanism detects the presence of a plug and prevents it from being removed when the switch is in the "ON" position.

It features a high visibility red handle that can be locked to meet OSHA lockout/tagout regulations, and the enclosure door can be locked to prevent unauthorized access. The rugged, corrosion-resistant Type 4X PBT enclosure features adjustable mounting feet for flexible installation, while the receptacle's spring-loaded cover with gasket is dust tight and provides a watertight seal when turned and locked.

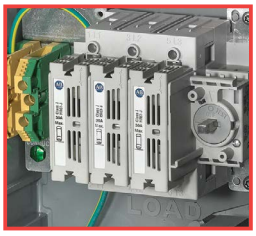
The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF.





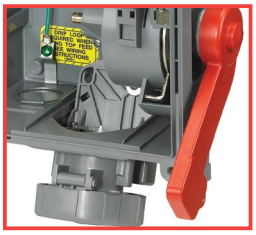
Housing Design

- Non-metallic enclosure meets UL 50E Type 4X (watertight), 12 (dust-tight) and IP66 suitability requirements. Enclosure is molded of rugged thermoplastic PBT to resist abuse, corrosion and enhance safety. All external hardware is stainless steel
- Stainless steel ¼ turn door fasteners for quick, easy access to fuses



Interior Design

- Compact Fused Disconnect Switch accepts **Class "J" fuses**. Fuse holders are top mounted for easy access
- The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers



Safety

- High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements. Accepts up to a 5/16 inch padlock shackle
- Replaceable spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked



Contact Carrier

- Thermoset polyester contact carrier provides resistance to electrical tracking and withstands higher temperatures
- Thermoset properties provide excellent dimensional stability, low moisture absorption and superior dielectric strength



Enclosure Door

- Removable door for ease of wiring and installation
- Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door cannot be opened



Installation

- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure. Conduit hub provided: 30A 1 in. NPT, 60A 1¼ in. NPT
- Conduit hub and adjustable mounting feet (4) are ductile to allow mounting on irregular surfaces

TYPE 4X**

Style II - Fused

Rating				Fused Insulgrip® Mechanical Interlocks	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Mechanical Interlock	Mating Plug
30	3P 4W		600/250	**HBL430MIFS2W**	**HBL430PS2W**
60	3P 4W		600/250	**HBL460MIFS2W**	**HBL460PS2W**



HBL430MIFS2W

Style II - Unfused

Rating				Unfused Insulgrip® Mechanical Interlocks	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Mechanical Interlock	Mating Plug
30	3P 4W		600/250	**HBL430MIS2W**	**HBL430PS2W**
60	3P 4W		600/250	**HBL460MIS2W**	**HBL460PS2W**

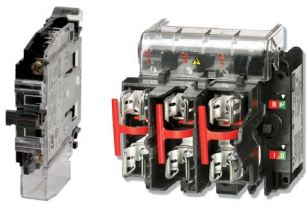
Note: 30A – 1 inch NPT hub supplied; 60A – 1¼ inch hub supplied.
**CAUTION:* To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*
***While in use or with cover closed.*

Gray Style Switch



HBLACFSNO **HBL30MIFRS**

Black Style Switch



ACFSNO

Replacement Auxiliary Contacts

Description	Black Style Switch	Gray Style Switch
Auxiliary contact, normally open, A600 pilot duty, break before break.	**ACFSNO**	**HBLACFSNO**
Auxiliary contact, normally closed, A600 pilot duty, break before break.	**ACFSNC**	**HBLACFSNC**

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble. All new installations are shipped with gray style switch.

Replacement Switches

Description	Gray Style Switch
For 30A fused switches.	**HBL30MIFRS**
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	**HBL60MIFRS**
For 30A unfused switches.	**HBL30MISRS**
For 60A unfused switches. Gray Style switch will retro fit Black Style switch.	**HBL60MISRS**



MICPK30

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK30**
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK60**

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	**HBLRFT2**[Δ]

Note: ΔPackage of 10 feet and 10 screws.



HBLRFT2

Typical Specifications

Manufacturer's Identification	Hubbell HBL460MIFS2W
Description	Fused Insulgrip® Pin and Sleeve Mechanical Interlock
Electrical Type	3 Pole + Earth
Rating	60A, 250VDC/600VAC
Configuration	Per UL 1686 C1
Enclosure Type (UL 50E)	Indoor & Outdoor - 4X (Watertight, Washdown) Indoor - 12 (Dust Tight, Falling Dirt)
Ingress Protection	IP66 Suitability
Certification	UL Listed for US and Canada

Note: This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the door from opening while the receptacle is energized. The switch cannot be turned on until the plug is fully inserted.

Materials

Part	Material
Base, Door and Handle	PBT
Conduit Hub	Zinc, 30A – 1 in., 60A – 1¼ in. NPT
Enclosure Gasket and Shaft Seal	Neoprene
Shaft and Mounting Inserts	Brass
Ground Plate	Galvanized Steel
Enclosure Screws and Hinge Spring	Stainless Steel
Hinge Pin	Nickel-Plated Brass
Contact Carrier	Thermoset Polyester

Performance

Electrical	
Dielectric Voltage	Withstands 3,000VAC Min.
Max. Working Voltage	250VDC/600VAC.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle.
Operations	Mechanical 10,000 cycles minimum.

Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Ratings	Ratings are part of the external label and molded into the receptacle housing.
Mounting	External adjustable feet.

Environmental	
Moisture Resistance	Indoor & Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling dirt).
Ingress Protection	IP66 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperatures	Max. Continuous +60°C; Min. Continuous -40°C w/o impact.
UV Resistance	All exposed insulating materials are UV stabilized.
Fuse Types	UL Listed Class "J". CSA Certified HRCI-J.

Horsepower Ratings

30A Horsepower Ratings

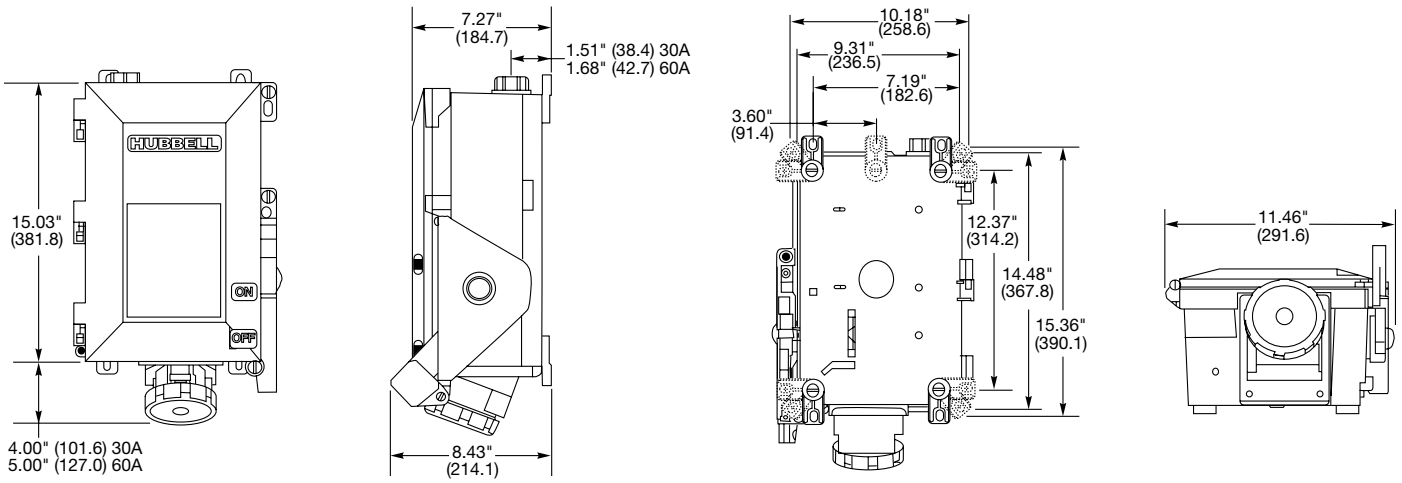
3 Phase A.C.	Standard	Maximum*
200-240V	3	7.5
480V	5	15
600V	7.5	20

60A Horsepower Ratings

3 Phase A.C.	Standard	Maximum*
200-240V	7.5	15
480V	15	30
600V	15	50

*Note: *Requires time delay fuses.*

Dimensions



Note: 30A – 1 inch NPT hub supplied; 60A – 1¼ inch hub supplied.

Dimensions in Inches (mm)

Features and Benefits

Hazardous Location Non-Fused Mechanical Interlocks and Plugs

Hubbell's Hazardous Location Line of Non-Fused UL 1686 Mechanical Interlock Disconnect Switches are typically used for applications with the presence of flammable gasses or vapors, ignitable dusts and fibers. They are also suitable for use in outdoor or indoor damp, wet and dirty locations or in areas where frequent wash downs, heavy rain, or water spray routinely occurs.

These switches are compact in size to reduce cost and make it easier to position on the wall or piece of equipment. The enclosures are made of copper-free aluminum and have a polyester/epoxy finish to prevent corrosion. The high visibility handles can be locked out to comply with OSHA lock out/tag out regulations.



VSQ Hazardous Location Ratings
Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones I & 2, Groups IIB+H2, IIA
Class II, Div. 1 & 2, Groups F & G
Class III
NEMA 3, 4, 4X, 7 (B,C,D), 9 (F,G)





Housing Design

- Copper-free aluminum construction with electrostatically applied polyester/ epoxy finish to prevent corrosion
- Compact NEMA 4X enclosure and footfrint allows easy installation in tight locations
- Feed-through construction



Internal Design

- Auxiliary contact (late-make early-break) contact rated 10 amp, 1/3 HP at 125/250V AC can be used for operating pilot lights or starter coils
- Internal switch horsepower rated as "suitable as a motor disconnect"



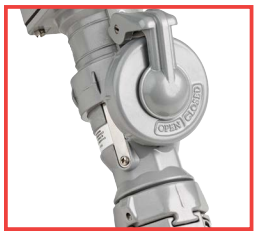
Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- Large visible rotary handle with ON/OFF indicator allows a quick means of disconnecting power
- Handle mechanism is chemical resistant PBT thermoplastic



Plug Locking Ring

- NEMA 4X environmental rating with cover engaged or when mated with a 4X plug



Mechanism

- Plug and switch are interlocked. Switch cannot be turned ON without fully inserted plug Plug cannot be removed with switch in ON position
- Plug held in place when switch is OFF for convenience. Pull operated release mechanism



Fully Interchangeable

- Product is UL1686 and is fully interchangeable with other UL1686 configured and listed devices



HBLVSQ3034

30 and 60 Amp Non-Fused UL1686 Mechanical Interlocks and Plugs

Amp	Circuit	Mechanical Interlock	Metallic Plug	Insulgrip Plug
30 Amp 600V AC	2W 3P	**HBLVSQ3023**	**HBLVP3385**	**HBL330PS2W**
	3W 4P	**HBLVSQ3034**	**HBLVP3485**	**HBL430PS2W**
60 AMP 600V AC	2W 3P	**HBLVSQ6023**	**HBLVP6385**	**HBL360PS2W**
	3W 4P	**HBLVSQ6034**	**HBLVP6485**	**HBL460PS2W**

Note: Early break contact comes standard with mechanical interlocks.
HBLVSQ 30 Amp models come standard with 1 inch drilled and tapped conduit openings top and bottom plus two 1 inch x ¾ inch reducers and one ¾ inch close-up plug for maximum flexibility. 60 amp models come with one 1½ inch opening on top and bottom and one 1½ inch close-up plug.



HBLVP3485



HBL430PS2W

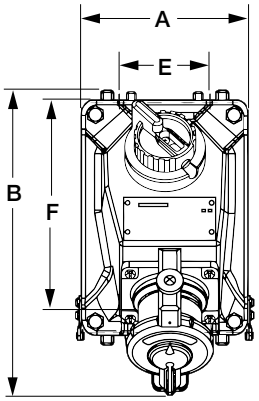
Horsepower Ratings (VAC)*

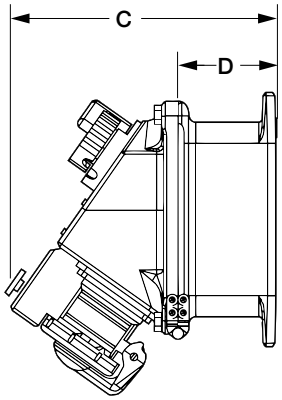
Amp	Circuit	120	240	480	600	Catalog Number
30 Amp	1Ø	2	5	10	15	**HBLVSQ3023**
	3Ø	3	7.5	15	20	**HBLVSQ3034**
60 Amp	1Ø	–	10	15	20	**HBLVSQ6023**
	3Ø	–	10	25	30	**HBLVSQ6034**

*Note: *Internal switch only.*

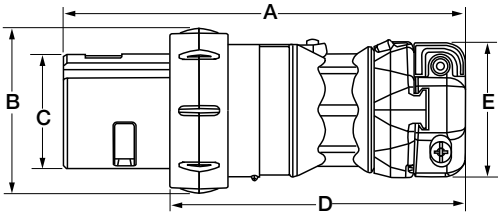
Dimensions

Mechanical Interlocks	A	B	C	D	E	F
30A	5.75 (146)	10.50 (267)	9.75 (248)	3.75 (95)	3.13 (79)	8.13 (206)
60A	8.13 (206)	14.16 (360)	11.28 (287)	4.03 (102)	2.50 (64)	11.38 (289)





Plugs	A	B	C	D	E
30A Both	6.69 (170)	3.00 (76)	1.88 (48)	5.38 (137)	2.53 (64)
60A, 3 Pole	8.81 (224)	3.38 (86)	2.25 (57)	6.50 (165)	3.00 (76)
60A, 4 Pole	8.81 (224)	3.69 (94)	2.53 (64)	6.50 (165)	3.00 (76)



Wire Range	30A	60A
Reg. Stranded	#10 – #6	#6 – #4
Extra Flex	#10 – #8	#6 – #4
Grip Range	.55–1.2 (14–30)	.65–1.5 (16–38)

Dimensions in Inches (mm)

SECTION H

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Features and Benefits

Series 15 and 16 - 150, 300 and 400 Amp, 600 Volts

Hubbell Wiring Device–Kellems offers a full line of innovative, high quality, Series 15 and Series 16 single pole inlines, receptacles and accessories for the most demanding environments.

Single pole devices are the right choice for supplying temporary electrical power distribution for entertainment, theme parks, carnival equipment, concerts, movie making and numerous other applications requiring temporary power.

Single pole devices have been designed with ease of assembly and disassembly in mind, no special tools are required. A high strength non-conductive retaining screw is all that is needed to securely lock the contacts to the insulated sleeve.

UL Enclosure Types 3R, 4X and 12 Rating suitable for use in almost any environment.





Housing Design

- Insulgrip® style housing for superior gripping, conforms to the user's hand making it easy to connect and disconnect, even with gloves on
- Easily identifiable cable, cut off points for secure fit allows you to easily customize and cut the housing to the required/correct cable size
- Accommodates wide range of cables



Contacts

- Provides high contact pressure and vibration resistant connection, which helps reduce operating temperatures and extends product life
- High conductivity brass contact provides improved performance by helping to reduce operating temperatures and extends life



Safety

- Rounded corners reduce the possibility of catching or snagging on structures or equipment
- Non-conductive retaining screw locks contacts in place and allows for easy installation; prevents contact movement within housing
- Recessed mounting screw minimizes screwdriver slippage



Assembly

- Special screw thread requires fewer turns than most competitors and reduces the risk of a conductive screw being substituted
- Extra long non-conductive inner sleeve reduces force required to install housing over contacts; easier to rotate contact in body for installing retaining screw



Identification

- Lock symbol aids in the mating of devices and provides a clear indication that the devices are properly connected
- With lock indicator symbol making mating clear and simple; devices can lock 180° to prevent unintended disconnects



Installation

- Engineered body design makes installation simple with no need for additional tools and the non-metallic retaining screw helps to make operation safe for all involved
- Strip gauge molded into every inline and receptacle housing; simplifies installation and saves time

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Series 15 - 150 Amp, 600 Volts

Enclosure Types
3R, 4X, 12



150 Amp Inlines

Description	Color	Male Inline
150 amp, thermoplastic elastomer, cable size #8 - #2 AWG.	Black	**HBL15MBK**
	White	**HBL15MW**
	Green	**HBL15MGN**
	Red	**HBL15MR**
	Blue	**HBL15MBL**
	Brown	**HBL15MBN**
	Orange	**HBL15MO**
	Yellow	**HBL15MY**
	Gray	**HBL15MGY**



150 Amp Inlines

Description	Color	Female Inline
150 amp, thermoplastic elastomer, cable size #8 - #2 AWG.	Black	**HBL15FBK**
	White	**HBL15FW**
	Green	**HBL15FGN**
	Red	**HBL15FR**
	Blue	**HBL15FBL**
	Brown	**HBL15FBN**
	Orange	**HBL15FO**
	Yellow	**HBL15FY**
	Gray	**HBL15FGY**

Receptacles, Stud Type Through Hole Mounting





Description	Color	Male Receptacles	Female Receptacles
150 amp, Panel Mount, thermoplastic, cable size #8 - #2 AWG.	Black	**HBL15MRSBK**	**HBL15FRSBK**
	White	**HBL15MRSW**	**HBL15FRSW**
	Green	**HBL15MRSGN**	**HBL15FRSGN**
	Red	**HBL15MRSR**	**HBL15FRSR**
	Blue	**HBL15MRSBL**	**HBL15FRSBL**
	Brown	**HBL15MRSBN**	**HBL15FRSBN**
	Orange	**HBL15MRSO**	**HBL15FRSO**
	Yellow	**HBL15MRSY**	**HBL15FRSY**
	Gray*	—	—

*Note: *Gray is available upon request. Contact factory.*

Receptacles, Double Set Screw Through Hole Mounting





Description	Color	Male Receptacles	Female Receptacles
150 amp, Panel Mount, thermoplastic, cable size #8 - #2 AWG.	Black	**HBL15MRBK**	**HBL15FRBK**
	White	**HBL15MRW**	**HBL15FRW**
	Green	**HBL15MRGN**	**HBL15FRGN**
	Red	**HBL15MRR**	**HBL15FRR**
	Blue	**HBL15MRBL**	**HBL15FRBL**
	Brown	**HBL15MRBN**	**HBL15FRBN**
	Orange	**HBL15MRO**	**HBL15FRO**
	Yellow	**HBL15MRY**	**HBL15FRY**
	Gray	**HBL15MRGY**	**HBL15FRGY**

Protective Caps



Description	Color	Fits Male Devices	Fits Female Devices
Fits 150 amp inlines and receptacles.	Black	**HBL15MCAPBK**	**HBL15FCAPBK**
	White	**HBL15MCAPW**	**HBL15FCAPW**
	Green	**HBL15MCAPGN**	**HBL15FCAPGN**
	Red	**HBL15MCAPR**	**HBL15FCAPR**
	Blue	**HBL15MCAPBL**	**HBL15FCAPBL**
	**	—	—

*Note: **Additional colors are available upon request. Contact factory.*

Weather Protective Covers





Description	Color	Catalog Number
Use with stud type or double set screw receptacles.	Clear	**HBL15NCC**
	Black	**HBL15NCBK**
	White	**HBL15NCW**
	Green	**HBL15NCGN**
	Red	**HBL15NCR**
	Blue	**HBL15NCBL**
	Brown	**HBL15NCBN**
	Orange	**HBL15NCO**
	Yellow	**HBL15NCY**

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Series 15 - 150 Amp, 600 Volts

Enclosure Types
3R, 4X, 12

Tees




Color	Paralleling Tee (Male-Male-Female)	Tapping Tee (Female-Male-Female)
Black	**HBL15PTBK**	**HBL15TBK**
White	**HBL15PTW**	**HBL15TW**
Green	**HBL15PTGN**	**HBL15TGN**
Red	**HBL15PTR**	**HBL15TR**
Blue	**HBL15PTBL**	**HBL15TBL**

Gender Reversing Devices




Color	Double Male (Male-Male)	Double Female (Female-Female)
Black	**HBL15DMBK***	**HBL15DFBK***
White	**HBL15DMW**	**HBL15DFW**
Green	**HBL15DMGN**	**HBL15DFGN**
Red	**HBL15DMR***	**HBL15DFR***
Blue	**HBL15DMBL***	**HBL15DFBL***

*Note: *UL 1691 restricts the use of male-to-male or female-to-female devices to Grounding (Green) or Neutral (White) conductors. Consult factory for availability of other non UL listed colors.*

Replacement Bodies (25 Pack)




Color	Male Body	Female Body
Black	**HBL15MBBK**	**HBL15FBBK**
White	**HBL15MBW**	**HBL15FBW**
Green	**HBL15MBGN**	**HBL15FBGN**
Red	**HBL15MBR**	**HBL15FBR**
Blue	**HBL15MBBL**	**HBL15FBBL**
**	—	—

*Note: **Additional colors are available upon request. Contact factory.*

Replacement Contacts (25 Pack)




Description	Male Pin	Female Sleeve
Contact, 150 amp	**HBL15RCM**	**HBL15RCF**

Accessories

Description	Catalog Number
Accessory Kit, retaining screw, copper foil, terminal screws and brass wire.	**HBL15PK**
Replacement retaining screw (100 pack).	**HBL15RS**
Copper foil (100 pack).	**HBL15CF**
Brass wire (100 pack).	**HBL15BW**
Terminal screw - inline (100 pack).	**HBL15TS25**
Terminal screw - panel mount (100 pack).	**HBL15TS375**
Ferrule #2 AWG (100 pack).	**HBL15F2**
Ferrule #4 AWG (100 pack).	**HBL15F4**



HBL15PK



HBL15RS



HBL15CF



HBL15BW



HBL15TS25



HBL15TS375



HBL15F2
HBL15F4

Series 15 - 150 Amp, 600 Volts

Specifications

Electrical	
Voltage Ratings	600V Maximum
Amperage Rating	150A Maximum

Mechanical	
Terminal Accommodation	Inline: #8 AWG to #2 AWG Receptacle: #8 AWG to #2 AWG
Product ID	Ratings are a permanent part of device
Base Compound	Inline: Thermoplastic Elastomer (TPE) Receptacle: Polybutylene Terephthalate (PBT)
Contact Material	Brass
Retaining Screw Material	Nylon

Certification / Environmental

UL and cUL Listed

UL Enclosure Types 3R, 4X, 12

UL1691 standard for single pole locking-type separable connectors
National Electric Code (NEC®), ANSI/NFPA 70

Flammability: HB per UL94 or CSA 22.2. 0.17

Conductor Ampacity Chart (Type SC/PPC Wire)

Cable Size	Ampacity•
#8	80
#6	105
#4	140
#2	190

Note: •90°C column NEC Table 400.5(A)(2).

Dimensions

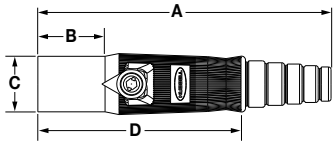
Inlines

	A	B	C	D
Male	4.54" (115.3)	1.04" (26.4)	.86" (21.8)	3.22" (81.7)
Female	4.60" (116.8)	1.11" (28.2)	.68" (17.3)	3.28" (83.2)

Weatherproof Cover

	A	B	C
Series 15	2.03" (51.5)	1.14" (29.0)	1.49" (37.9)

Male Inline

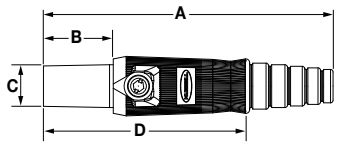


Panel Mount Receptacles

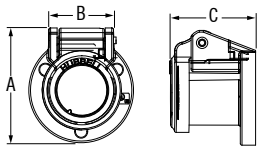
Threaded Stud	A	B	C	D	E	F	Mounting Hole	Termination
Male	1.86" (47.2)	1.37" (34.8)	2.82" (71.6)	.86" (22.0)	.80" (20.4)	1.20" (30.5)	Through 3x Ø .20"	5/16-18 Threaded Stud
Female	1.86" (47.2)	1.37" (34.8)	2.88" (73.1)	.86" (22.0)	.80" (20.4)	1.26" (32.0)	Through 3x Ø .20"	5/16-18 Threaded Stud

Double Set Screw	A	B	C	D	E	F	Mounting Hole	Termination
Male	1.86" (47.2)	1.37" (34.8)	2.90" (73.6)	.86" (22.0)	.88" (22.2)	1.20" (30.5)	Through 3x Ø .20"	(2) 5/32 Socket Head Set Screws
Female	1.86" (47.2)	1.37" (34.8)	2.95" (74.9)	.86" (22.0)	.87" (22.2)	1.26" (32.0)	Through 3x Ø .20"	(2) 5/32 Socket Head Set Screws

Female Inline



Weatherproof Cover



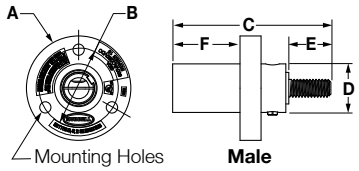
Tees

	A	B	C
Tapping Tee	2.67" (67.9)	4.28" (108.7)	.865" (21.9)
Paralleling Tee	2.67" (67.9)	4.22" (107.2)	.865" (21.9)

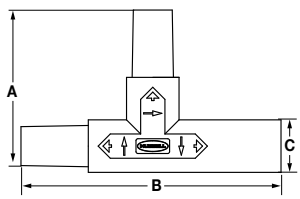
Gender Reversing Devices

	A	B	C
Double Male	4.22" (107.2)	.86" (21.8)	—
Double Female	4.22" (107.2)	1.05" (26.7)	.68" (17.3)

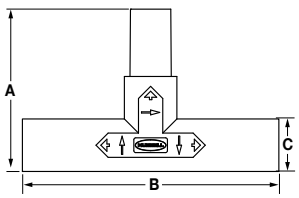
Threaded Stud (Male Shown)



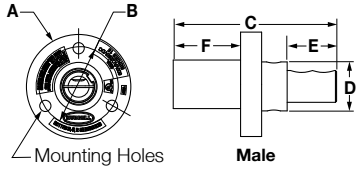
Tapping Tee



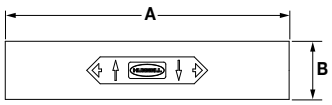
Paralleling Tee



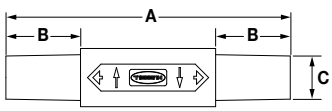
Double Set Screw (Male Shown)



Gender Reversing - Double Male



Gender Reversing - Double Female



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

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Series 16 - 300 and 400 Amp, 600 Volts

Enclosure Types
3R, 4X, 12



300 Amp Inlines

Description	Color	Male Inline	Female Inline
300 amp, thermoplastic elastomer, cable size #6 - 2/0 AWG.	Black	**HBL300MBK**	**HBL300FBK**
	White	**HBL300MW**	**HBL300FW**
	Green	**HBL300MGN**	**HBL300FGN**
	Red	**HBL300MR**	**HBL300FR**
	Blue	**HBL300MBL**	**HBL300FBL**
	Brown	**HBL300MBN**	**HBL300FBN**
	Orange	**HBL300MO**	**HBL300FO**
	Yellow	**HBL300MY**	**HBL300FY**
	Gray*	—	—

*Note: *Gray is available upon request. Contact factory.*



400 Amp Inlines

Description	Color	Male Inline	Female Inline
400 amp, thermoplastic elastomer, cable size 2/0 - 4/0 AWG.	Black	**HBL400MBK**	**HBL400FBK**
	White	**HBL400MW**	**HBL400FW**
	Green	**HBL400MGN**	**HBL400FGN**
	Red	**HBL400MR**	**HBL400FR**
	Blue	**HBL400MBL**	**HBL400FBL**
	Brown	**HBL400MBN**	**HBL400FBN**
	Orange	**HBL400MO**	**HBL400FO**
	Yellow	**HBL400MY**	**HBL400FY**
	Gray	**HBL400MGY**	**HBL400FGY**



Receptacles, Double Set Screw Through Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp, Panel Mount, thermoplastic elastomer, cable size #4 - 4/0 AWG, mates with 300 and 400 amp Inlines.	Black	**HBLMRBK**	**HBLFRBK**
	White	**HBLMRW**	**HBLFRW**
	Green	**HBLMRGN**	**HBLFRGN**
	Red	**HBLMRR**	**HBLFRR**
	Blue	**HBLMRBL**	**HBLFRBL**
	Brown	**HBLMRBN**	**HBLFRBN**
	Orange	**HBLMRO**	**HBLFRO**
	Yellow	**HBLMRY**	**HBLFRY**
	Gray	**HBLMRGY**	**HBLFRGY**



Angled Receptacles, Double Set Screw Through Hole Mounting

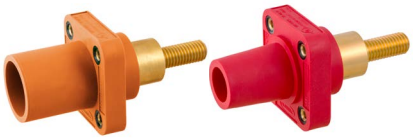
Description	Color	Male Receptacles	Female Receptacles
400 amp, Panel Mount, thermoplastic elastomer, cable size #4 - 4/0 AWG, mates with 300 and 400 amp Inlines.	Black	**HBLMRABK**	**HBLFRABK**
	White	**HBLMRAW**	**HBLFRAW**
	Green	**HBLMRAGN**	**HBLFRAGN**
	Red	**HBLMRAR**	**HBLFRAR**
	Blue	**HBLMRABL**	**HBLFRABL**
	Brown	**HBLMRABN**	**HBLFRABN**
	Orange	**HBLMRAO**	**HBLFRAO**
	Yellow	**HBLMRAY**	**HBLFRAY**
	Gray*	—	—

*Note: *Gray is available upon request. Contact factory.*



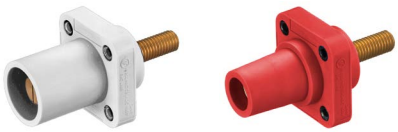
Receptacles, Stud Type Threaded Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	**HBLMRSCBK**	**HBLFRSCBK**
	White	**HBLMRSCW**	**HBLFRSCW**
	Green	**HBLMRSCGN**	**HBLFRSCGN**
	Red	**HBLMRSCR**	**HBLFRSCR**
	Blue	**HBLMRSCBL**	**HBLFRSCBL**
	Brown	**HBLMRSCBN**	**HBLFRSCBN**
	Orange	**HBLMRSCO**	**HBLFRSCO**
	Yellow	**HBLMRSCY**	**HBLFRSCY**



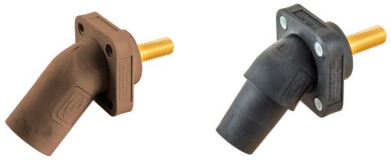
Receptacles, Extended Stud Type Threaded Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	**HBLMRSCEBK**	**HBLFRSCEBK**
	White	**HBLMRSCEW**	**HBLFRSCEW**
	Green	**HBLMRSCEGN**	**HBLFRSCEGN**
	Red	**HBLMRSCER**	**HBLFRSCER**
	Blue	**HBLMRSCEBL**	**HBLFRSCEBL**
	Brown	**HBLMRSCEBN**	**HBLFRSCEBN**
	Orange	**HBLMRSCEO**	**HBLFRSCEO**
	Yellow	**HBLMRSCEY**	**HBLFRSCEY**



Receptacles, Stud Type Through Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	**HBLMRSBK**	**HBLFRSBK**
	White	**HBLMRSW**	**HBLFRSW**
	Green	**HBLMRSGN**	**HBLFRSGN**
	Red	**HBLMRSR**	**HBLFRSR**
	Blue	**HBLMRSBL**	**HBLFRSBL**
	Brown	**HBLMRSBN**	**HBLFRSBN**
	Orange	**HBLMRSO**	**HBLFRSO**
	Yellow	**HBLMRSY**	**HBLFRSY**



Angled Receptacles, Stud Type Through Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	**HBLMRASBK**	**HBLFRASBK**
	White	**HBLMRASW**	**HBLFRASW**
	Green	**HBLMRASGN**	**HBLFRASGN**
	Red	**HBLMRASR**	**HBLFRASR**
	Blue	**HBLMRASBL**	**HBLFRASBL**
	Brown	**HBLMRASBN**	**HBLFRASBN**
	Orange	**HBLMRASO**	**HBLFRASO**
	Yellow	**HBLMRASY**	**HBLFRASY**

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Series 16 - 300 and 400 Amp, 600 Volts

Enclosure Types
3R, 4X, 12

Receptacles, Bus Bar Threaded Hole Mounting



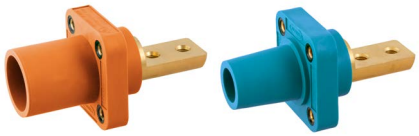
Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	**HBLMRBBK**	**HBLFRBBK**
	White	**HBLMRBW**	**HBLFRBW**
	Green	**HBLMRBGN**	**HBLFRBGN**
	Red	**HBLMRBR**	**HBLFRBR**
	Blue	**HBLMRBBL**	**HBLFRBBL**
	Brown	**HBLMRBBN**	**HBLFRBBN**
	Orange	**HBLMRBO**	**HBLFRBO**
	Yellow	**HBLMRBY**	**HBLFRBY**

Angled Receptacles, Bus Bar Through Hole Mounting



Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	**HBLMRABBK**	**HBLFRABBK**
	White	**HBLMRABW**	**HBLFRABW**
	Green	**HBLMRABGN**	**HBLFRABGN**
	Red	**HBLMRABR**	**HBLFRABR**
	Blue	**HBLMRABBL**	**HBLFRABBL**
	Brown	**HBLMRABBN**	**HBLFRABBN**
	Orange	**HBLMRABO**	**HBLFRABO**
	Yellow	**HBLMRABY**	**HBLFRABY**

Receptacles, Bus Bar, 2 Holes Threaded Hole Mounting



Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	**HBLMRB2BK**	**HBLFRB2BK**
	White	**HBLMRB2W**	**HBLFRB2W**
	Green	**HBLMRB2GN**	**HBLFRB2GN**
	Red	**HBLMRB2R**	**HBLFRB2R**
	Blue	**HBLMRB2BL**	**HBLFRB2BL**
	Brown	**HBLMRB2BN**	**HBLFRB2BN**
	Orange	**HBLMRB2O**	**HBLFRB2O**
	Yellow	**HBLMRB2Y**	**HBLFRB2Y**

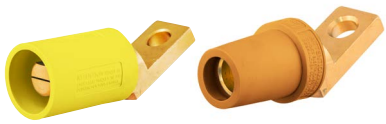
Terminals, Offset Straight Style



Description	Color	Male Receptacles	Female Receptacles
400 amp Terminal, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	**HBLMOSBK**	**HBLFOSBK**
	White	**HBLMOSW**	**HBLFOSW**
	Green	**HBLMOSGN**	**HBLFOSGN**
	Red	**HBLMOSR**	**HBLFOSR**
	Blue	**HBLMOSBL**	**HBLFOSBL**
	Brown	**HBLMOSBN**	**HBLFOSBN**
	Orange	**HBLMOSO**	**HBLFOSO**
	Yellow	**HBLMOSY**	**HBLFOSY**

Note: Terminals are UL Type 1 only.

Angled Terminals, Offset Straight Style



Description	Color	Male Receptacles	Female Receptacles
400 amp Terminal, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	**HBLMOABK**	**HBLFOABK**
	White	**HBLMOAW**	**HBLFOAW**
	Green	**HBLMOAGN**	**HBLFOAGN**
	Red	**HBLMOAR**	**HBLFOAR**
	Blue	**HBLMOABL**	**HBLFOABL**
	Brown	**HBLMOABN**	**HBLFOABN**
	Orange	**HBLMOAO**	**HBLFOAO**
	Yellow	**HBLMOAY**	**HBLFOAY**

Note: Angled terminals are UL Type 1 only.

Protective Caps



Color	Fits Male Devices	Fits Female Devices
Black	**HBLMCAPBK**	**HBLFCAPBK**
White	**HBLMCAPW**	**HBLFCAPW**
Green	**HBLMCAPGN**	**HBLFCAPGN**
Red	**HBLMCAPR**	**HBLFCAPR**
Blue	**HBLMCAPBL**	**HBLFCAPBL**
Brown	**HBLMCAPBN**	**HBLFCAPBN**
Orange	**HBLMCAPO**	**HBLFCAPO**
Yellow	**HBLMCAPY**	**HBLFCAPY**

Weather Protective Lift Covers



Color	Catalog Number	All One Color Caps and Bodies
Clear	**HBLNCC**	—
Black	**HBLNCBK**	**HBLNCABK**
White	**HBLNCW**	**HBLNCAW**
Green	**HBLNCGN**	**HBLNCAGN**
Red	**HBLNCR**	**HBLNCAR**
Blue	**HBLNCBL**	**HBLNCABL**
Brown	**HBLNCBN**	**HBLNCABN**
Orange	**HBLNCO**	**HBLNCAO**
Yellow	**HBLNCY**	**HBLNCAY**

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Series 16 - 300 and 400 Amp, 600 Volts

Enclosure Types
3R, 4X, 12

Tees and 3-Fers







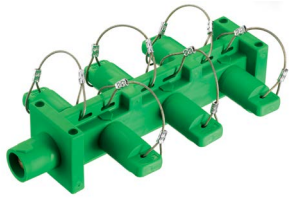
Color	Paralleling Tee (Male-Male-Female)	Tapping Tee (Female-Male-Female)	3-Fer (Male-Female-Female-Female)	3-Fer (Female-Male-Male-Male)	Soft 3-Fer (Male-Female-Female-Female)	Soft 3-Fer (Female-Male-Male-Male)
Black	**HBLPTBK**	**HBLTBK**	**HBLM3FBK**	**HBLF3MBK**	**HBLM3FSBK**	—
White	**HBLPTW**	**HBLTW**	**HBLM3FW**	**HBLF3MW**	—	—
Green	**HBLPTGN**	**HBLTGN**	**HBLM3FGN**	**HBLF3MGN**	—	**HBLF3MSGN**
Red	**HBLPTR**	**HBLTR**	**HBLM3FR**	**HBLF3MR**	—	—
Blue	**HBLPTBL**	**HBLTBL**	**HBLM3FBL**	**HBLF3MBL**	—	—
Brown	**HBLPTBN**	**HBLTBN**	**HBLM3FBN**	**HBLF3MBN**	—	—
Orange	**HBLPTO**	**HBLTO**	**HBLM3FO**	**HBLF3MO**	—	—
Yellow	**HBLPTY**	**HBLTY**	**HBLM3FY**	**HBLF3MY**	—	—

Gender Reversing Devices




Color	Double Male (Male-Male)	Double Female (Female-Female)
Black	**HBLDMBK**	**HBLDFBK**
White	**HBLDMW**	**HBLDFW**
Green	**HBLDMGN**	**HBLDFGN**
Red	**HBLDMR**	**HBLDFR**
Blue	**HBLDMBL**	**HBLDFBL**
Brown	**HBLDMBN**	**HBLDFBN**
Orange	**HBLDMO**	**HBLDFO**
Yellow	**HBLDMY**	**HBLDFY**

Distribution Block



Description	Color	(1-Male, 6-Females)
400 amp Distribution Block, Single Conductor, Heavy Duty Industrial Grade, Pre-Wired, (1) Male to (6) Females.	Black	**HBL7DBBK**
	White	**HBL7DBW**
	Green	**HBL7DBGN**
	Red	**HBL7DBR**
	Blue	**HBL7DBBL**
	Brown	**HBL7DBBN**
	Orange	**HBL7DBO**
	Yellow	**HBL7DBY**

Replacement Bodies (10 Pack)




Color	Male Body	Female Body
Black	**HBLMBBK**	**HBLFBBK**
White	**HBLMBW**	**HBLFBW**
Green	**HBLMBGN**	**HBLFBGN**
Red	**HBLMBR**	**HBLFBR**
Blue	**HBLMBBL**	**HBLFBBL**
Brown	**HBLMBBN**	**HBLFBBN**
Orange	**HBLMBO**	**HBLFBO**
Yellow	**HBLMBY**	**HBLFBY**

Replacement Contacts (20 Pack)




Description	Male Pin	Female Sleeve
Contact, 300 amp	**HBL300RCM**	**HBL300RCF**
Contact, 400 amp	**HBL400RCM**	**HBL400RCF**

Snap Back Covers (3R Only)



Color	Through Hole Mounting	Threaded Mounting Holes
Black	**HBLSCBK**	**HBLSCCBK**
White	**HBLSCW**	**HBLSCCW**
Green	**HBLSCGN**	**HBLSCCGN**
Red	**HBLSCR**	**HBLSCCR**
Blue	**HBLSCBL**	**HBLSCCBL**
Brown	**HBLSCBN**	**HBLSCCBN**
Orange	**HBLSCO**	**HBLSCCO**
Yellow	**HBLSCY**	**HBLSCCY**

Accessories



Description	Catalog Number
Accessory Kit, retaining screw, copper foil, terminal screws and brass wire.	**HBLPK**
Replacement retaining screw (500 pack).	**HBLRS**
Copper foil (500 pack).	**HBLCF**
Brass wire (500 pack).	**HBLBW**
Terminal screw - inline (500 pack).	**HBLTS**
Terminal screw - panel mount (500 pack).	**HBLTSR**

Series 16 - 300 and 400 Amp, 600 Volts

Specifications

Electrical	Series 16
Voltage Ratings	600V Maximum
Amperage Rating	400A Maximum

Mechanical	300A	400A
Terminal Accommodation	Inline: #6 to 2/0 AWG	Inline: 2/0 to 4/0 AWG Recept.: #4 to 4/0 AWG
Product ID	Ratings are a permanent part of device	
Base Compound	Thermoplastic Elastomer (TPE)	
Contact Material	Brass	
Retaining Screw Material	Nylon	

Certification / Environmental

UL and cUL Listed
UL Enclosure Types 3R, 4X, 12
UL1691 standard for single pole locking-type separable connectors
National Electric Code (NEC), ANSI/NFPA 70
Flammability: HB per UL94 or CSA 22.2. 0.17

Conductor Ampacity Chart (Type SC/PPC Wire)

Cable Size	Ampacity•	Cable Size	Ampacity•
#6	105	2/0	300
#4	140	4/0	405
#2	190		

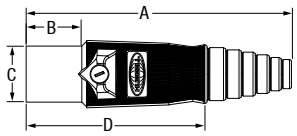
Note: •90°C column NEC Table 400.5(A)(2).

Dimensions

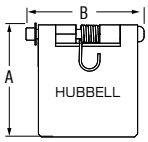
Inlines

Description	A	B	C	D
Male	7.01" (178.0)	1.38" (35.1)	1.48" (37.6)	4.78" (121.4)
Female	7.10" (180.5)	1.44" (36.6)	1.06" (27.0)	4.90" (121.3)

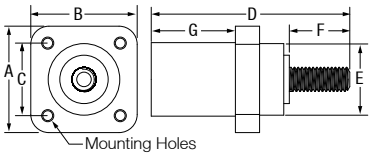
Inline (Male Shown)



Snap Back Cover



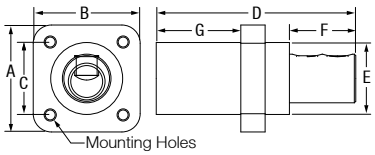
Threaded Stud (Male Shown)



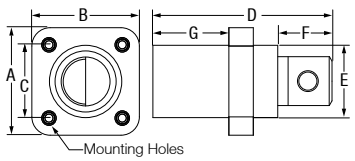
Panel Mount Receptacles

Threaded Stud	A	B	C	D	E	F	G	Mounting Hole	Termination
Male & Female with through hole mounting	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	4.10" (104.3)	1.48" (37.6)	1.25" (31.7)	1.74" (44.2)	Through 4x Ø .20"	1/2-13 UNC-2A Threaded Stud
Male & Female with threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	3.67" (93.2)	1.48" (37.6)	1.11" (28.2)	1.55" (39.4)	Threaded 4x #10-32	1/2-13 UNC-2A Threaded Stud
Double Set Screw	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**Mounting Hole**	**Termination**
Male & Female with threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	4.10" (104.3)	1.48" (37.6)	1.36 (34.5)	1.74" (44.2)	Threaded 4x #10-32	(2) 7/32 Socket Head Set Screws
Bus Bar Type	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**Mounting Hole**	**Termination**
Male & Female with threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	3.57" (90.7)	1.48" (37.6)	1.01" (25.7)	1.55" (39.4)	Threaded 4x #10-32	(1) 5/16-18 UNC-2B Threaded Hole
Offset Terminals	**A**	**B**	**C**	**D**	**E**	**F**		**Mounting Hole**	**Termination**
Male terminal straight style	Ø 1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.89" (98.8)	1.75" (44.5)	2.14" (54.4)		Through .50" (12.7)	—
Female terminal straight style	Ø 1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.68" (93.3)	1.75" (44.5)	1.93" (48.9)		Through .50" (12.7)	—
Male terminal angled style	Ø 1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.98" (101.1)	2.06" (52.2)	2.14" (54.4)		Through .50" (12.7)	—
Female terminal angled style	Ø 1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.76" (95.6)	2.06" (52.2)	1.93" (48.9)		Through .50" (12.7)	—

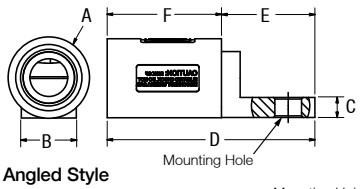
Double Set Screw (Male Shown)



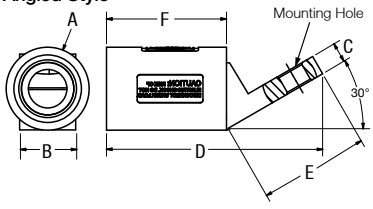
Bus Bar Type (Male Shown)



Offset Terminals (Male Shown)
Straight Style



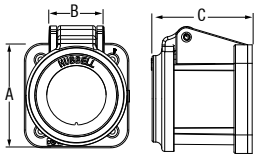
Angled Style



Covers

Description	A	B	C
Weatherproof Cover	2.20" (55.88)	1.16" (29.44)	2.03" (51.5)
Snap Back Cover to be used with receptacles	2.26" (57.4)	2.37" (60.2)	—

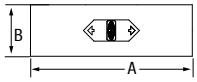
Weatherproof Cover



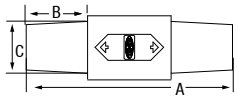
Gender Reversing Devices

Description	A	B	C
Double Male	4.65" (118.1)	1.48" (37.6)	—
Double Female	4.84" (122.9)	1.44" (36.6)	1.06" (27.0)

Gender Reversing - Double Male



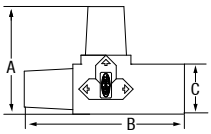
Gender Reversing - Double Female



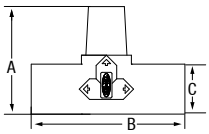
Tees and 3-Fers

Description	A	B	C
Tapping Tee	3.18" (80.8)	4.74" (120.4)	1.48" (37.6)
Paralleling Tee	3.18" (80.8)	4.65" (118.1)	1.48" (37.6)
3-Fer	5.88" (149.3)	5.78" (146.9)	1.48" (37.6)

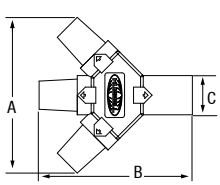
Tapping Tee



Paralleling Tee



3-Fer



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

c UL us LISTED

Series 18 - 300 and 400 Amp, 600 Volts

Enclosure Types
3R, 4X, 12

- Enclosure Types 3R, 4X, 12
- Non-metallic safety retaining screw
- Easy to grip body design
- Accepts #6 to 4/0 AWG wire
- Replacement bodies available
- UL and cULus listed





300 Amp Inlines

Description	Color	Male Inline	Female Inline
Thermoplastic elastomer, cable size #6 - 2/0 AWG.	Black	**HBL18300MBK**	**HBL18300FBK**
	White	**HBL18300MW**	**HBL18300FW**
	Green	**HBL18300MGN**	**HBL18300FGN**
	Red	**HBL18300MR**	**HBL18300FR**
	Blue	**HBL18300MBL**	**HBL18300FBL**
	Brown	**HBL18300MBN**	**HBL18300FBN**
	Orange	**HBL18300MO**	**HBL18300FO**
	Yellow	**HBL18300MY**	**HBL18300FY**



400 Amp Inlines

Description	Color	Male Inline	Female Inline
Thermoplastic elastomer, cable size 2/0 - 4/0 AWG.	Black	**HBL18400MBK**	**HBL18400FBK**
	White	**HBL18400MW**	**HBL18400FW**
	Green	**HBL18400MGN**	**HBL18400FGN**
	Red	**HBL18400MR**	**HBL18400FR**
	Blue	**HBL18400MBL**	**HBL18400FBL**
	Brown	**HBL18400MBN**	**HBL18400FBN**
	Orange	**HBL18400MO**	**HBL18400FO**
	Yellow	**HBL18400MY**	**HBL18400FY**



Replacement Bodies (10 Pack)

Description	Color	Male Inline	Female Inline
Thermoplastic elastomer.	Black	**HBL18MBBK**	**HBL18FBBK**
	White	**HBL18MBW**	**HBL18FBW**
	Green	**HBL18MBGN**	**HBL18FBGN**
	Red	**HBL18MBR**	**HBL18FBR**
	Blue	**HBL18MBBL**	**HBL18FBBL**
	Brown	**HBL18MBBN**	**HBL18FBBN**
	Orange	**HBL18MBO**	**HBL18FBO**
	Yellow	**HBL18MBY**	**HBL18FBY**



Accessories

Description	Catalog Number
Series 18, replacement retaining screw (500 pack).	**HBLRS**
Copper foil (500 pack).	**HBLCF**
Brass wire (500 pack).	**HBLBW**

Specifications

Electrical	**Series 18**
Voltage Ratings	600V Maximum
Amperage Rating	400A Maximum

Mechanical	**300A**	**400A**
Terminal Accommodation	Inline: #6 to 2/0 AWG	Inline: 2/0 to 4/0 AWG
Product ID	Ratings are a permanent part of device	
Base Compound	Thermoplastic Elastomer (TPE)	
Contact Material	Brass	
Retaining Screw Material	Nylon	

Certification / Environmental

Series 18

UL and cULus listed
UL Enclosure Types 3R, 4X, 12
UL 1691 standard for single pole locking-type separable connectors
National Electric Code (NEC), ANSI/NFPA 70
Flammability: HB per UL94 or CSA 22.2. 0.17

Conductor Ampacity Chart (Type SC/PPC Wire)

Cable Size	Ampacity•
#2	190
2/0	300
3/0	350
4/0	405

Note: •90°C column NEC Table 400.5(A)(2).

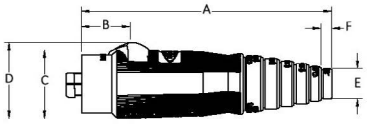
Dimensions

In Line Plugs

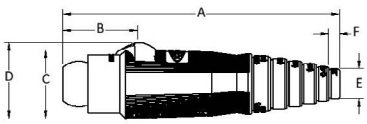
Description	A	B	C	D	E	F
Male	6.30" (159.9)	1.23" (31.1)	1.76" (44.6)	1.94" (49.3)	.77" (19.6)	.27" (TYP) (6.9)
Female	6.95" (176.5)	1.87" (47.6)	1.76" (44.6)	1.94" (49.3)	.77" (19.6)	.27" (TYP) (6.9)

Dimensions in Inches (mm)

Inline (Male)



Inline (Female)



Features and Benefits

Spider® II Temporary Power Boxes

Hubbell's Spider® II temporary power distribution system sets the safety and performance standard for temporary power needs. Construction sites and outdoor events place more demands on electrical power than ever before. Hubbell's Spider box steps up to the challenge by offering advanced electrical and safety features. The Spider II box incorporates the most advanced ground fault module technology available in the industry today, ensuring safe and reliable distribution of electrical power for a wide variety of temporary power applications.

Breadth of line and durability, Hubbell manufactures a variety of Spider® II Boxes and temporary power products for both indoor and outdoor power and lighting applications. Hubbell's Spider products incorporate the most innovative wiring devices in the Hubbell Safety-Shroud® Twist-Lock® system. The shrouded Twist-Lock design extends the life of the plug by protecting the blades from abuse and more importantly, the shroud protects the user from arcing.





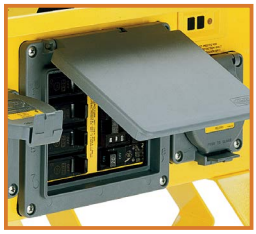
Housing Design

- Individual GFCI modules
- Gasketed latching receptacle lift covers
- Replaceable legs



Receptacles

- Six 20 amp straight blade or Twist-Lock® watertight receptacles, individually GFCI protected
- All Pin and Sleeve, Twist-Lock® and straight blade receptacles on each Spider box are protected when not in use by a gasketed, spring loaded flip lid



Safety

- Standard stab termination circuit breakers with gasketed lift cover
- Compact electronic supervisory circuit
- Detailed wiring diagram



Inlets

- Available with flush 50 amp Twist-Lock® inlet or 60 amp IEC reversed service Pin and Sleeve receptacle



Environmental Protection

- Spider® II boxes have earned a Type 3R metallic enclosure rating and heavy duty, abuse resistant legs for outdoor rainproof applications
- Provides UL Type 4X rating when the receptacles are used with Watertight Safety-Shroud® Twist-Lock® plugs



Certifications

- Hubbell's Spider® II Boxes meet NEC® requirements for personal protection against electrical shock on job sites and are listed to the latest UL1640 standard for portable power distribution equipment

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

50A and 60A Spider® II Boxes



50A Spider® II



60A Spider® II



60A Class "L" Spider® II

Spider® II Temporary Power Boxes

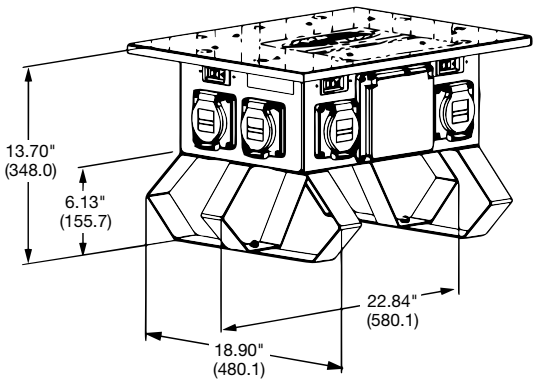
Rating	Type	Qty	Receptacle Ratings	Receptacle Components	Protection		Catalog Number
					Overload	GFI	
30A, 120/240V AC (Maximum)	Straight Blade	7	20A, 125V	HBL53R61	Yes	Yes	**SDSB1A**
	Twist-Lock® (inlet)	1	30A, 120/240V	HBL2715SWR	No	No	
	Twist-Lock® (outlet)	1	30A, 120/240V	HBL2710	No	No	
50A, 120/240V AC (Maximum)	Straight Blade	7	20A, 125V	HBL53R61	Yes	Yes	**SBSB1A**
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V AC (Maximum)	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes	**SBSB2**
	Twist-Lock®	1	30A, 250V	HBL2620SW	Yes	Yes	
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V AC (Maximum)	Twist-Lock®	7	20A, 125V	HBL2310SW	Yes	Yes	**SBTL1A**
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V AC (Maximum)	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes	**SBTL2**
	Twist-Lock®	1	30A, 250V	HBL2620SW	Yes	Yes	
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
60A, 3Ø 120/208V AC (Maximum)	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes	**SCSB0***
	Pin and Sleeve (inlet)	1	60A, 3ØY 120/208V	HBL560B9R	No	No	
	Pin and Sleeve (outlet)	1	60A, 3ØY 120/208V	HBL560R9W	No	No	
60A, 3Ø 120/208V AC (Maximum)	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes	**SCTL0***
	Pin and Sleeve (inlet)	1	60A, 3ØY 120/208V	HBL560B9R	No	No	
	Pin and Sleeve (outlet)	1	60A, 3ØY 120/208V	HBL560R9W	No	No	

Class "L" Spider® II Temporary Power Boxes

Rating	Type	Qty	Receptacle Ratings	Receptacle Components	Protection		Catalog Number
					Overload	GFI	
60A, 3Ø 120/208V AC (Maximum)	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes**	**SCSB0M2**
	Class "L" (inlet)	1	60A, 3ØY, 120/208V	—	No	No	
	Class "L" (outlet)	1	60A, 3ØY, 120/208V	—	No	No	
60A, 3Ø 120/208V AC (Maximum)	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes**	**SCTL0M2**
	Class "L" (inlet)	1	60A, 3ØY, 120/208V	—	No	No	
	Class "L" (outlet)	1	60A, 3ØY, 120/208V	—	No	No	

*Note: *60A units are UL and cUL only.*
***GFCI protection on 4 devices only.*

Dimensions



Dimensions in Inches (mm)

Specifications

Spider® II

Listing/Certification	UL1640 cUL and CSA, UL943
Environment	Indoor and outdoor wet and dry locations
Enclosure Type	3R, rainproof, suitable for use in damp locations
Code Compliance	NEC®, ANSI/NFPA 70

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Features and Benefits

Temporary Power Accessories

Hubbell's SR50 is comprised of a pre-wired 50A receptacle, mounted in a fully non-metallic watertight FD wall box.

This weather resistant, UL listed, assembly provides significant labor savings for the contractor, because it's pre-wired with a 50A Twist-Lock® receptacle, installation time is significantly reduced. The 4 hole mounting pattern of the new FD box also provides added security for the device.



Cable Sets, Plugs, and Receptacles

Description	Catalog Number
50A pre-wired wall mounted receptacle, with 2 ft. wire leads.	**SR50**
50A cord set - 50 ft. cable (input/output).	**SCB50**
50A cord set - 100 ft. cable (input/output).	**SCB100**
60A, 3Ø 120/208V Pin and Sleeve reversed service plug (female).	**HBL560P9WR**
60A, 3Ø 120/208V Pin and Sleeve plug (male).	**HBL560P9W**
60A, 3Ø 120/208V Pin and Sleeve wall mounted receptacle.	**HBL560R9W**
1¼" hub 15 deg. non-metallic angle back box for 60A receptacle.	**BB601W**
1½" hub 15 deg. metallic 4-way angle back box for 60A receptacle.	**FW60100**

Note: Consult factory for alternate cable lengths.



SR50



SCB50

Replacement Parts

Description	Catalog Number
20A, 125V straight blade receptacle.	**HBL53R61**
20A, 125V Safety-Shroud Twist-Lock® receptacle.	**HBL2310SW**
30A, 250V Safety-Shroud Twist-Lock® receptacle.	**HBL2620SW**
30A, 125/250V Reverse Service Safety-Shroud connector.	**HBL2713SR**
30A, 125/250V Reverse Service inlet.	**HBL2715SWR**
50A, 125/250V Twist-Lock® receptacle.	**CS6369**
50A, 125/250V Twist-Lock® inlet.	**HBL6375S**
60A, 3Ø 120/208V Pin and Sleeve reversed service receptacle (inlet).	**HBL560B9R**
60A, 3Ø 120/208V Pin and Sleeve receptacle (outlet).	**HBL560R9W**
60A, 3Ø 120/208V Pin and Sleeve reversed service plug (female).	**HBL560P9WR**
60A, 3Ø 120/208V Pin and Sleeve plug (male).	**HBL560P9W**
GFCI module.	**GFMST20**
50A Spider supervisory kit.	**SSK**
60A Spider supervisory kit.	**SSK60**
Spider circuit breaker cover.	**SCBC**
Spider leg kit.	**SLK**
Spider leg kit, green.	**SLKG**
50A receptacle cover plate.	**HBL77CM74WO**



HBL560R9W

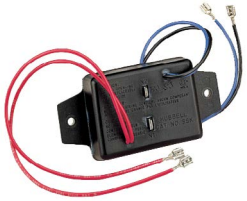
HBL2310SW



SCBC



GFMST20



SSK



HBL77CM74WO



CS6369



HBL2713SR

Features and Benefits

Temporary Power Distribution Boxes and Temporary Power Cables

- Durable hi-visibility yellow powder coated steel construction
- Hubbell 50 amp Twist-Lock® receptacle and inlet
- Six 20 amp straight blade or Twist-Lock® covered receptacles
- Individual GFCI modules
- NEMA 3R enclosure
- Nesting leg design saves space in the warehouse and on the truck



TPDL – Twist-Lock®
TPDS – Straight Blade



TPC50 – 50' Cable
TPC100 – 100' Cable

Temporary Power Distribution Boxes

Rating	Type	Qty	Receptacle Rating	Protection: Overload	Protection: GFI	Catalog Number
50A, 120/240V AC (Maximum)	Twist-Lock®	6	20A, 125V	Yes	Yes	**TPDL**
	Twist-Lock®	1	30A, 250V	Yes	No	
	Twist-Lock® (Inlet)	1	50A, 125/250V	No	No	
	Twist-Lock® (Outlet)	1	50A, 125/250V	No	No	
50A, 120/240V AC (Maximum)	Straight Blade	6	20A, 125V	Yes	Yes	**TPDS**
	Twist-Lock®	1	30A, 250V	Yes	No	
	Twist-Lock® (Inlet)	1	50A, 125/250V	No	No	
	Twist-Lock® (Outlet)	1	50A, 125/250V	No	No	
Replacement GFCI module.						**HBLCGFM20**

Temporary Power Cables

Rating	CableType	Length	Male Device	Female Device	Weatherproof Boot	Catalog Number
50A, 125/250V	6/3, 8/1	50 ft.	CS6365L	CS6364L	No	**TPC50**
50A, 125/250V	6/3, 8/1	100 ft.	CS6365L	CS6364L	No	**TPC100**

Specifications

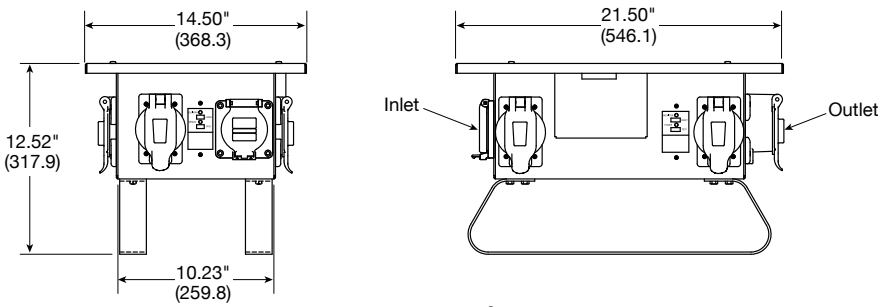
Boxes

Listings/Certifications	UL1640, UL943
Operation	Indoor and outdoor wet and dry locations
Enclosure Type	3R, rainproof, suitable for use in damp locations
Code Compliance	NEC®, ANSI/NFPA 70

Cables

Listings/Certifications	Connectors: UL/CSA; Cable: MSHA
Operation	Indoor and outdoor wet and dry locations

Dimensions



Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Heavy-Duty Portable Outlet Boxes and Cover Plates

Description	Catalog Number
Box with cord strain relief, with one blank cover plate.	**HBLPOB1**
White box with cord strain relief, one blank white cover plate.	**HBLPOB1L**
Box with cord strain relief, with one blank cover plate, black.	**HBLPOB1BK**
Box with cord strain relief, with two duplex (indoor) cover plates.	**HBLPOB1D**
White box with cord strain relief, with two white duplex (indoor) cover plates.	**HBLPOB1DL**
Box with cord strain relief, with two duplex (indoor), yellow cover plates.	**HBLPOB1DY**
Blank, non-metallic FS cover plate with foam gasket, gray.	**HBLP14FS**
Blank, non-metallic FS cover plate with foam gasket, white.	**HBLP14FSL**
Duplex, non-metallic FS cover plate, gray	**HBLP8FS**
Duplex, non-metallic FS cover plate, white.	**HBLP8FSL**
Duplex, non-metallic FS cover plate, yellow.	**HBLP8FSY**
Single receptacle (1.39"), non-metallic FS cover plate, gray.	**HBLP7FS**
Single receptacle (1.56"), non-metallic FS cover plate, gray.	**HBLP720FS**
Rectangular opening, non-metallic FS cover plate, gray.	**HBLP26FS**
Rectangular opening, non-metallic FS cover plate, White.	**HBLP26FSL**



HBLPOB1

Other Cover Plates and Devices
which may be used with Heavy-Duty Portable Outlet Boxes

Description	Catalog Number
Duplex cover plate, weatherproof. Single receptacle (1.39") cover plate, weatherproof Single receptacle (1.56") cover plate, weatherproof. Safety-Shroud Twist-Lock® surface receptacles.	**HBL5221, HBL52CM2, HBL7423WO, HBL74CM23WO, HBL7425WOA, HBL2310SR, HBL74CM25WOA, HBL2320SR, HBL2330SR, HBL2610SR, HBL2620SR**

Note: Standard product gray, CM yellow.



Cover Plates

Deluxe Cord Grips Straight Male Thread
Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

Grip Diameter Range Inches	(mm)	Thread Size NPT (inches)	Form Size	Catalog Number
.375"-.500"	(9.5-12.7)	¾"	F3	**074011335**
.500"-.625"	(12.7-15.9)	¾"	F3	**074011336**
.625"-.750"	(15.9-19.0)	¾"	F3	**074011337**

Gray Nylon Cord Connector Straight Male Thread

Grip Diameter Range Inches	(mm)	Thread Size NPT (inches)	Form Size	Catalog Number
.375"-.500"	(9.5-12.7)	¾"	F3	**SHC1035CR**
.500"-.625"	(12.7-15.9)	¾"	F3	**SHC1036CR**
.625"-.750"	(15.9-19.0)	¾"	F3	**SHC1037CR**



Deluxe Cord Grips (purchased separately)



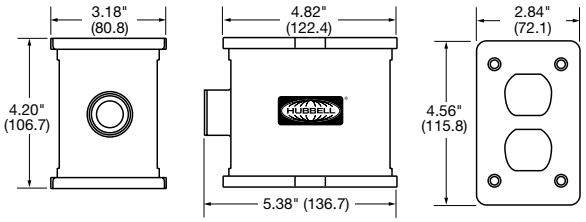
Gray Nylon Cord Connector

Specifications for Heavy-Duty Portable Outlet Boxes and Cover Plates

UL Listed	UL514C, UL467 and UL50 Enclosures Types 1, 3R.
CSA Certified	94 Enclosures Types 1, 3R and C22.2 No. 0.4 (Impedance).
Box Specifications:	
Moisture Resistance	Wet and damp locations, enclosure Type 3R when used with weatherproof cover plates; Dry, indoors locations, enclosure Type 1 with all other cover plates
Flammability	UL94V-0, 94-5VA classification
Operating Temperature	80°C maximum; -35°C minimum
UV Resistance	All materials are UV stabilized
Impact and Crush Resistance	In accordance with UL514C, UL50, C22.2 No. 18 and C22.2 No. 94
Material	Valox®
Cord Connector Materials	Nylon nut; nylon Gotcha® ring; neoprene grommet
Cord Diameter Range	.38" to .75" diameter
Bonding Strap Material	Brass
Threaded Inserts	Brass
Grounding Screw Material	Brass
Indoor Cover Plate Screws Material	Zinc plated steel
Outdoor Cover Plate Screws Material	Stainless steel
Cover Plate Gasket Material	UL recognized closed-cell foam (aging and oil resistant)

Dimensions

HBLPOB1



Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

Construction Site Lighting

Hubbell's outdoor approved construction site lighting line includes both heavy duty metal halide lights and light strings for working in rugged environments. The metal halide fixtures feature extremely strong and compact heads with bulbs rated to last 10,000 hours. All frames are powder-coated yellow for safety and are constructed of a durable 1.25 inch, 12 gauge steel tube.

We have light strings for all applications in a variety of models as well as a choice of metal or plastic guards. Light sockets are spaced 10 feet apart and all sockets, plugs, and connectors are molded for added durability. In addition, the highly impact-resistant material makes for easy transportation and storage when not in use. Bulbs can be incandescent, fluorescent or LED. Consider choosing LED lighting for a durable bulb that saves energy, provides instant illumination and are rated to last 50,000 hours.





HBLMHHB400

Metal Halide and LED Lights

Description	Rating	Watts	Lumen Output	Cord Length	Catalog Number
High bay metal halide light with wire guard.	15A 125V	400	29,000	3 ft.	**HBLMHHB400**
High bay LED light with wire guard.	15A 125V	120	14,000	5 ft.	**HBLLEDHB120**
	15A 125V	100	12,000	5 ft.	**HBLLEDHB100**
	15A 125V	60	7,200	5 ft.	**HBLLEDHB60**



HBLLEDHB120

LED Stringer Lights

Description	No. of Fixtures	Rating	Cord Type	Lumen Output	Cord Length	Catalog Number
90 LEDs per fixture, light string with magnetic base included.	1	15A 125V	#18/2 SJTW	450*	20 ft.	**HBL182S20LED**
90 LEDs per fixture, light string.	5	15A 125V	#18/2 SJTW	450*	50 ft.	**HBL182S50LED**
	10	15A 125V	#18/2 SJTW	450*	100 ft.	**HBL182S100LED**
60 LEDs per fixture, light string with magnetic base included.	1	15A 125V	#18/2 SJTW	1,100*	20 ft.	**HBL182S20LEDH**
	5	15A 125V	#18/2 SJTW	1,100*	50 ft.	**HBL182S50LEDH**
Magnetic clip bracket for LED light string.						**HBLSTMC**

*Note: *Lumens per fixture.*



HBL182S50LEDH

A Type (Edison) Twist-Lock® and Straight Blade Light Strings

Description	Max Watts**	Rating	Cord Type	Fixtures	Cord Length	Catalog Number
Twist-Lock® light string; plastic guards.	150	20A 125V	#12/3 STJW	10	100 ft.	**HBL123SJ100PT**
Straight Blade light string; plastic guards.	150	15A 125V	#14/2 STJW	10	100 ft.	**HBL142SJ100PS**
	150	15A 125V	#14/3 STJW	10	100 ft.	**HBL143SJ100PS**
	150	15A 125V	#12/3 STW	10	100 ft.	**HBL123S100PS**
	150	15A 125V	#12/3 STJW	10	100 ft.	**HBL123SJ100PS**
Straight Blade light string; metal guards.	150	15A 125V	#12/3 STW	10	100 ft.	**HBL123S100MS**
Straight Blade light string; plastic guards.	150	15A 125V	#12/3 STW	5	50 ft.	**HBL123S50PS**
Straight Blade light string; metal guards.	150	15A 125V	#12/3 STW	5	50 ft.	**HBL123S50MS**
Replacement plastic guard for temporary light strings.						**HBLSTPG**
Replacement heavy duty metal guard for temporary light strings.						**HBLSTMG**

*Note: **Max watts per fixture. **HBL143SJ100PS** light strings are rated for 1875 Watts total. The total wattage must be considered when daisy chaining lights strings to each other.*



HBL143SJ100PS



HBLSTMC



HBLSTMG



HBLSTPG

Maintenance and Work Lights

Choose Hubbell industrial work lights for maximum user safety. The fluorescent lights are designed with all electrical components located inside a closed chamber for your protection. Lamps stay cool while spreading light over large areas. Work light models can be paired with an adjustable hanging kit or magnetic mounts for positioning flexibility.

Portable work lights can be transported and re-mounted.

Long cords allow free movement in work space.



LED Maintenance Worklights

Description	Outlet Rating	Rating	Wattage	Lumen Output	Cord Type	Cord Length	Catalog Number
LED Industrial maintenance light, 1 vertical hanging hook included.	N/A	15A 125V	20	2400	#16/3 SJEOW	25 ft.	**HBLML2825L**
LED worklight with end light feature.	N/A	15A 125V	9	920/120	#18/2 SJTOW	25 ft.	**HBLWL25LED**
LED worklight with end light feature and tool tap.	12 Amp	15A 125V	9	920/120	#16/3 SJTOW	25 ft.	**HBLWL25LEDT**



HBLML2825L

Fluorescent Maintenance Worklights

Description	Outlet Rating	Rating	Wattage	Lumen Output	Cord Type	Cord Length	Catalog Number
Fluorescent worklight with straight blade plug.	N/A	15A 125V	13	825	#16/3 SJTOW	25 ft.	**TW25F1**



HBLWL25LED

Accessories and Replacement Items

Description	Catalog Number
Magnetic mounting bracket for ML style lights, 82 lb. capacity.	**HBLMLMM**
Magnetic mounting bracket for WL style lights, 58 lb. capacity.	**HBLWLMM**
Replacement rough service fluorescent bulb for 13 watt style lamps.	**HBLREPPFB**
Replacement LED panel fixture, 90 LEDs, 450 lumen.	**HBLREP450LED**
5 base LED string only, 50 ft., 18/2.	**HBLREP182S50**
10 base LED string only, 100 ft., 18/2.	**HBLREP182S100**



TW25F1



HBLMLMM



HBLWLMM



HBLREP182S50

Pre-Wired Portable Outlet Boxes, Worklights and Accessories



SPB1

Pre-Wired Portable Outlet Boxes

Description	Catalog Number
25 ft. with 2-15A, 125V, straight blade single receptacles and 1-15A, 125V straight blade plug and boot.	**SPB1**
25 ft. with 2-20A, 125V, Twist-Lock® single receptacles and 1-20A, 125V Twist-Lock® plug and boot.	**SPB2**



SPB2

Worklights and Accessories

Description	Catalog Number
Temporary low voltage worklight with cigarette lighter plug, 20 ft. cord.	**TWLV20F**
Non-metallic temporary worklight hook.	**TWH**



TWLV20F

Specifications

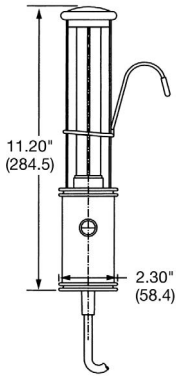
Temporary Worklights	
Listing/Certification	UL298 and cUL portable electric hand lamps
Environment	Dry, indoor locations
Fluorescent Lamp	13 watt twin tube only

Battery Pack and Charger	
Environment	Indoor and outdoor dry locations
Fluorescent Lamp Life	Fully charged-5 hour approx
Charge Time	Fully charged-16 hours approx
Battery Rating	12 volt

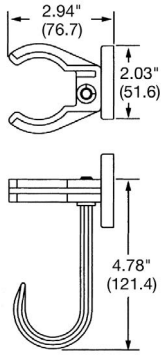


TWH

Light Fixture



Worklight Hook



Dimensions in Inches (mm)

Features and Benefits

20, 60 & 100 Amp Stage Pin Devices

Drawing on over a hundred years of expertise, Hubbell Wiring Device-Kellems sets the standard for innovation, performance, durability, safety and convenience. Our philosophy is never leaving well enough alone. We believe we can always make our products better—and the record shows we have.

When it comes to stage pin products, we listened…

The result is a removable sleeve that is highly heat stable and heat resistant. It does not allow the heat generated at the connection to negatively impact the device. Like phenolic devices of the past, this modern innovation will provide for a cool running device that is simple and convenient to wire.

The super tough engineered thermoplastic enclosure makes the device:
- Lightweight
- Impact resistant
- Easy to handle

Our design delivers 'The Best of Both Worlds!'



Male Inline
(Open to Show Contacts)



Housing Design

- Durable thermoplastic construction is lightweight, highly durable thermoplastic body for maximum impact resistance
- Ergonomic shape for easy insertion and withdrawal from mating devices



Contacts

- High performance brass contacts provide improved performance and extended life by reducing operating temperatures
- Heat resistant sleeves patent pending, highly stable and heat resistant contact shrouds provide phenolic functionality with a modern twist



Safety

- Highly secure terminations, stainless steel double set screws with fine pitch threads maximize termination strength for cooler running connections
- Ring terminal and double set screw termination options are available for 60A and 100A panel mounts



Wiring

- Simplified wiring, with removable contacts that snap back into place for greater wiring flexibility and simplicity
- Adjustable strain relief, accommodates the widest range of cables all in one device while exceeding UL requirements

Single Cable Sets and Breakouts in One Device

Device	Cable Combination		Device	Cable Combination	
60A/125V	(3) #6 SC (6) #6 SC (2) #4 SC #8/3 #6/3 #4/3	(1) #6 SC TYPE W SOOW TYPE W	100A/125V 100A/250V	(2) #4 SC (4) #4 SC (2) #2 SC #6/3 AWG #4/3 AWG	(1) #6 SC (2) #6 SC (1) #6 SC TYPE W TYPE W





20 Amp Stage Pin Devices

Description	Voltage	Termination	Color	Catalog Number
Male Inline Male Inline Bulk Pack Male Inline	125V	Double Set Screw	Black Black Clear	**HBL20SPM** **HBL20SPMOEM** **HBL20SPMC**
Female Inline Female Inline Bulk Pack Female Inline	125V	Double Set Screw	Black Black Clear	**HBL20SPF** **HBL20SPFOEM** **HBL20SPFC**
Male Panel Mount (Inlet) Female Panel Mount	125V	Double Set Screw	Black	**HBL20SPMR** **HBL20SPFR**



60 Amp Stage Pin Devices

Description	Voltage	Termination	Color	Catalog Number
Male Inline Female Inline	125V	Double Set Screw	Black	**HBL60SPM** **HBL60SPF**
Male Panel Mount	125V	Double Set Screw Ring Terminal	Black	**HBL60SPMR** **HBL60SPMRRT**
Female Panel Mount	125V	Double Set Screw Ring Terminal	Black	**HBL60SPFR** **HBL60SPFRRT**



100 Amp Stage Pin Devices

Description	Voltage	Termination	Color	Catalog Number
Male Inline Female Inline	125V	Double Set Screw	Black	**HBL100SPM** **HBL100SPF**
Male Panel Mount	125V	Double Set Screw Ring Terminal	Black	**HBL100SPMR** **HBL100SPMRRT**
Female Panel Mount	125V	Double Set Screw Ring Terminal	Black	**HBL100SPFR** **HBL100SPFRRT**
Male Inline Female Inline	250V	Double Set Screw	Yellow	**HBL106SPM** **HBL106SPF**
Male Panel Mount	250V	Double Set Screw Ring Terminal	Yellow	**HBL106SPMR** **HBL106SPMRRT**
Female Panel Mount	250V	Double Set Screw Ring Terminal	Yellow	**HBL106SPFR** **HBL106SPFRRT**



Convention Center Pin and Sleeve Devices

Features and Benefits

Convention Center Pin and Sleeve Devices

Hubbell's newest offering of 60A, 4P 5W, 277/480V AC, pin and sleeve devices are specifically designed and built to meet the demanding needs of Convention Centers and provide reliable performance for power distribution.

These devices are certified to UL 1682 & UL 2305, with a light-weight, low profile, polycarbonate construction, that mate with the current installed base, and are able to accept both round and flat cable.





Housing Design

- Manufactured in a durable light-weight polycarbonate construction to withstand heavy impact
- Full Line: Plug, Connector, Receptacle, and Inlet
- 60A, 4P 5W, 277/480V AC



Contacts

- Brass pins to maximize conductivity



Safety

- First to mate and last to break ground pin
- Mates with existing installed base



Wiring

- Single device that accepts both round and flat cable



HBL5607P



HBL5607C



HBL5607B



HBL5607R

Convention Center Pin and Sleeve Devices

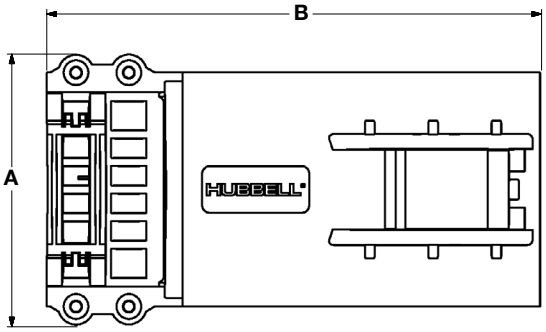
Description	Catalog Number
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Plug	**HBL5607P**
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Connector	**HBL5607C**
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Inlet	**HBL5607B**
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Receptacle	**HBL5607R**

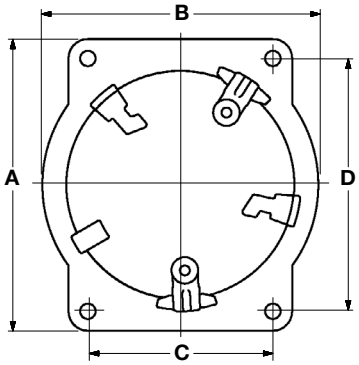
Specifications

Pole/Wire Configuration	4-pole, 5-wire grounding
Voltage Rating	60A, 277/480V AC
Material	Polycarbonate
Contacts	Brass

Product Dimensions Inches (mm)

Catalog Number	A	B	C	D
HBL5607P	6.36" (161.5)	3.46" (87.9)	—	—
HBL5607C	6.49" (164.8)	3.46" (87.9)	—	—
HBL5607B	3.75" (95.3)	3.37" (85.5)	2.38" (60.3)	3.25" (82.6)
HBL5607R	3.75" (95.3)	3.54" (89.9)	2.38" (60.3)	3.25" (82.6)





SECTION I

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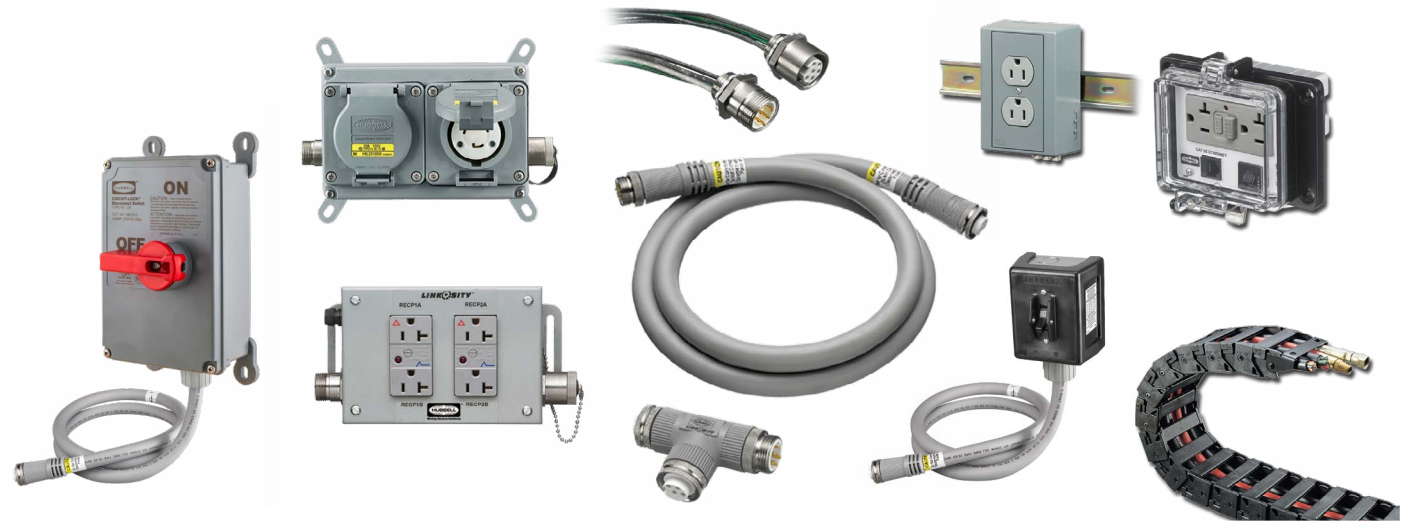

LINKOSITY® Power Components



MotorQuick® Disconnect Switches



DRUB and PANEL-SAFE®



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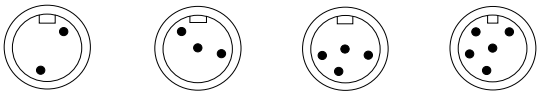
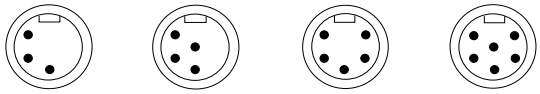
LINKOSITY® Power Components - Cables and Receptacles

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
 **PH** = Double Ended Cable with Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors  **RF** = Female Receptacle*  **RM** = Male Receptacle (Inlet)*	**20** = 20A up to 600V	**02** **03** **04** **05**	**PA** = Green/Yellow Black (all others) **PB** = Green/Yellow White Black (all others) **PE** = All Blue***	**001** = 1' **005** = 5' **010** = 10' **015** = 15' **020** = 20' **025** = 25' **030** = 30' **035** = 35' **040** = 40' **045** = 45' **050** = 50'
	23 = 20A up to 600V Specialty construction (Includes isolated ground on 6 wire and #10 AWG super neutral conductor on 5 and 6 wire devices, PB color code only)	**03** **04** **05** **06**		
	30 = 30A up to 600V	**04**		
Example: PH	***23***	***06***	***PB***	***005***

*Note: *½" NPT rear thread.*
***Other color codes available upon request.*
****Two wire only.*

Configurations (Male face view shown, female view is opposite)

20 AMP	
20A SNIG (with super neutral and IG)	
30 AMP	

Tees



TX2304002304T00

Description	Catalog Number
LINKOSITY® M/F/F Tee, 20A, 2P	**TX2002002002T00**
LINKOSITY® M/F/F Tee, 20A, 3P	**TX2003002003T00**
LINKOSITY® M/F/F Tee, 20A, 4P	**TX2004002004T00**
LINKOSITY® M/F/F Tee, 20A, 5P	**TX2005002005T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 4P	**TX2304002304T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 6P	**TX2306002306T00**
LINKOSITY® M/F/F Tee, 20A SNIG, A Phase Tap	**TX2306002304A00**
LINKOSITY® M/F/F Tee, 20A SNIG, B Phase Tap	**TX2306002304B00**
LINKOSITY® M/F/F Tee, 20A SNIG, C Phase Tap	**TX2306002304C00**
LINKOSITY® M/F/F Tee, 30A, 4P	**TX3004003004T00**

Closure Caps



CCMBC

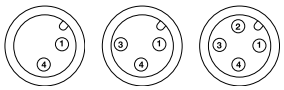
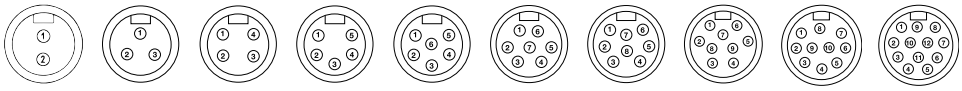
Description	For use with Female Receptacle	Male Inlet
20A and 30A Receptacle Closure Cap	**CCMBC**	**CCFBC**

LINKOSITY® Control Integration Components - Cables and Receptacles

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
 **PH** = Double Ended Cable with Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors  **RF** = Female Receptacle*  **RM** = Male Receptacle (Inlet)*	**03** = 3A - 2W, 4W up to 300V	**02** **04**	**PA** = Green/Yellow Black (all others)	**001** = 1' **005** = 5' **010** = 10' **015** = 15' **020** = 20' **025** = 25' **030** = 30' **035** = 35' **040** = 40' **045** = 45' **050** = 50'
	R3 = 3A - 2W, 3W, 4W up to 300V	**02** **03** **04**	**PB** = Green/Yellow White Black (all others)	
	10 = 10A - 2W, 3W, 4W, 5W 10A - 6W, 7W, 8W, 9W 7A - 10W, 12W up to 600V	**02** **03** **04** **05** **06** **07** **08** **09** **10** **12**	**PE** = All Blue***	
Example: PH	***10***	***06***	***PB***	***005***

*Note: *½" NPT rear thread.*
***Other color codes available upon request.*
****Two wire only.*

Configurations (Male face view shown, female view is opposite)

03		Typically used for inputs in DC control circuits
R3*		Typically used for outputs in DC control circuits
10		

*Note: *Reverse key.*

Splitters/Tees

Description	Catalog Number
LINKOSITY® M/F/F Splitter, 3A/4W	**TX0304000304T00**
LINKOSITY® M/F/F Tee, 10A, 2 Pole	**TX1002001002T00**
LINKOSITY® M/F/F Tee, 10A, 3 Pole	**TX1003001003T00**
LINKOSITY® M/F/F Tee, 10A, 4 Pole	**TX1004001004T00**
LINKOSITY® M/F/F Tee, 10A, 5 Pole	**TX1005001005T00**
LINKOSITY® M/F/F Tee, 10A, 6 Pole	**TX1006001006T00**



TX1004001004T00

Closure Caps

Description	For use with Female Receptacle	Male Inlet
3A Closure Cap	**CCM1C**	**CCF1C**
10A Closure Cap, 2, 3, 4, 4, 5 and 6 Pole	**CCMAC**	**CCFAC**
10A Closure Cap, 7 and 8 Pole	**CCMBC**	**CCFBC**
10A Closure Cap, 9, 10, 12 Pole	**CCMCC**	**CCFCC**



CCFAC

Power System Distribution Assemblies

- Available with up to 5 receptacles, wide variety of NEMA receptacle types
- LINKOSITY® power pass through option
- Fed with LINKOSITY® power cable and receptacle
- 16 gauge sheet metal enclosure ANSI 61 gray powder coat NEMA 1
- Device identification marking
- Versatile mounting provision
- Local or master switch



MSL3L1IGP

Note: Accepts PH2304 series cables.

Straight Blade - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru	Custom Configurations*
M	**SL** = Switch Local **SM** = Switch Master **00** = No Switch	**1** **2** **3** **4** **5**	**SG** = Spec Grade **HG** = Hospital Grade **CR** = Corrosion Resistant	**IG** = Isolated Ground **GF** = Ground Fault **SS** = Surge Suppression **00** = Standard	**P** = Pass-thru** **0** = No Pass-thru	**D** = 2 Circuit **A** = A Phase **B** = B Phase **C** = C Phase
Example: M	**SL**	**1**	**SG**	**00**	**P**	

Twist-Lock® - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru	Custom Configurations*
M	**SL** = Switch Local **SM** = Switch Master **00** = No Switch	**1** **2** **3** **4** **5**	**L1** = 15A **L2** = 20A	**IG** = Isolated Ground **00** = Standard	**P** = Pass-thru **0** = No Pass-thru	**6** = 250V
Example: M	**00**	**3**	**L1**	**IG**	**0**	

Note: Local switches control all receptacles in a box. Master switches control local and downstream receptacles. Consult factory for alternate wiring schemes.
**Consult factory for wiring specifications and connecting cables.*
***Pass-thru on phase tap boxes are 3Ø.*

Switch Only (ON/OFF) - UL Type 1

Device Type	Switch Types	Switch Style	Poles
S	**1** = 1 Gang **2** = 2 Gang **3** = 3 Gang	**2W** = ON/OFF	**1P** = Single Pole **DP** = Two Pole
Example: S	**1**	**2W**	**1P**

Switch Only (4-Way) - UL Type 1

Device Type	Switch Types	Switch Style
S	**1** = 1 Gang	**4W** = 4 Way
Example: S	**1**	**4W**

Switch Only (3-Way) - UL Type 1

Device Type	Switch Types	Switch Style	Position
S	**1** = 1 Gang	**3W** = 3 Way	**M** = Main **R** = Remote **LM** = Line to Main **LR** = Load to Remote
Example: S	**1**	**3W**	**M**

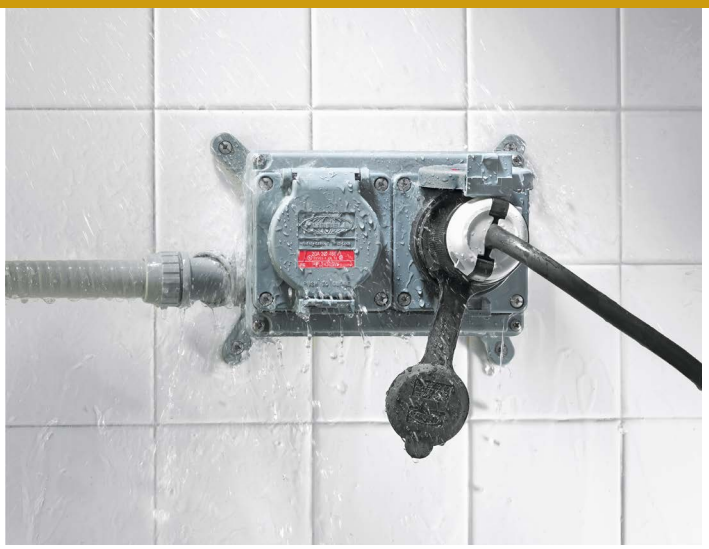
Note: For use with Px2304PBxxx series cables.

Features

Receptacle Types		CR	HG	SG	L1
00	Standard	**HBL53CM62**	**HBL8300GY**	**5362G**	**HBL4700**
IG	Isolated Ground	—	—	**CR5352IGGY**	**IG4700A**
GF	Ground Fault	—	**GFRST83GY**	**GFRST20GY**	—
SS	Surge Suppression	—	**HBL8362GYSA**	**HBL5362GYSA**	—
Switch Types		CR	HG	SG	L1
SL	Local ON/OFF	—	—	**HBL1221PL**	—
SM	Master ON/OFF	—	—	**HBL1221PL**	—

LINKOSITY® UL Type 3R and 4X Rated Assemblies

- Available with switch, ground fault, corrosion resistant or isolated ground receptacle types
- LINKOSITY® power pass through option
- Fed with LINKOSITY® power cable and receptacle
- UL Type 3R and 4X Rated
- Device identification marking
- Versatile mounting provision



LINKOSITY® Feed - UL Type 3R Rated*

3R Rated Standard Items

Description	Catalog Number
20A 125V Ground Fault	**M3R002SGGF0**
20A 125V Switched, Spec Grade	**M3RSL1SG000**
20A 125V Switched, Ground Fault	**M3RSL1SGGF0**
20A 125V Spec Grade	**M3R002SG000**
20A 125V Ground Fault, Pass-Thru	**M3R002SGGFP**
20A 125V Switched, Spec Grade, Pass-Thru	**M3RSL1SG00P**
20A 125V Switched, Ground Fault, Pass-Thru	**M3RSL1SGGFP**
20A 125V (2) Switches	**M3R2SG000**
20A 125V 1-Gang Ground Fault	**M3R001SGGF0**
20A 125V Corrosion Resistant	**M3R002CR000**
20A 125V Isolated Ground	**M3R002SGIGP**
20A 125V Spec Grade, Pass-Thru	**M3R002SG00P**

*Note: *When cover closed.*





Device Type	Style	Type	No. of Devices	Device Type	Device Feature	Pass-Thru
M	**3R** - 3R Lids **3D** - 3R Deep Cover	**SL** - Switch Local **SM** - Switch Master **00** - None	**1** **2**	**SG** - Spec Grade **HG** - Hospital Grade **CR** - Corrosion Resistant **L1** - 15A Locking	**IG** - Isolated Ground **GF** - Ground Fault **SI** - Surge/IG **SS** - Surge **00** - Standard	**P** - Pass-Thru **0** - No Pass-Thru

Replacement Mounting Feet

Description	Catalog Number
For Power Distribution Assemblies.	**HBLRFT1**$^{\Delta}$

Note: $^{\Delta}$ Package of 10 mounting feet and 10 screws.



LINKOSITY® Feed - UL Type 4X Rated**

4X Rated NEMA Standard Items

Description	Catalog Number
20A 125V Straight Blade†	**MLWF2010**
20A 125V WTSSTL	**MLWF2020**
20A 125V Straight Blade, Pass-Thru	**MLWF201P**
20A 125V WTSSTL, Pass-Thru	**MLWF202P**
20A 125/250V WTSSTL, No Pass-Thru	**MLWF2070**
30A 125V WTSSTL, No Pass-Thru	**MLWF1050**
30A 250V WTSSTL, No Pass-Thru	**MLWF1060**
30A 125V WTSSTL, No Pass-Thru	**MLWF2050**
30A 250V WTSSTL, No Pass-Thru	**MLWF2060**

All LINKOSITY® - UL Type 4X Rated•

4X Rated LINKOSITY Standard Items

Description	Catalog Number
20A 3W up to 600V, 4 Port	**M4L2003PB0**
20A 3W up to 600V, 4 Port Pass-Thru	**M4L2003PBP**

Conduit Feed - UL Type 4X Rated**

Conduit Feed Standard Items

Description	Catalog Number
20A 125V Straight Blade	**MCWF2010**
20A 125V WTSSTL	**MCWF2020**
20A 250V WTSSTL	**MCWF2030**
20A 277V WTSSTL	**MCWF2040**
30A 125V WTSSTL	**MCWF2050**
30A 250V WTSSTL	**MCWF2060**
20A 125/250V WTSSTL	**MCWF2070**
20A 3Ø, 250V WTSSTL	**MCWF2080**
20A 3Ø, 480V WTSSTL	**MCWF2090**
30A 125/250V WTSSTL	**MCWF2100**
30A 3Ø 250V WTSSTL	**MCWF2110**
30A 3Ø 480V WTSSTL	**MCWF2120**
30A 3Ø 600V WTSSTL	**MCWF2130**

*Note: **Watertight Safety-Shroud® Twist-Lock® Plug required when in use.*
†Straight Blade are UL Type 4X when not in use only.
•Closure cap required when not in use.
Accepts PH2304 series cables.
WTSSTL is an abbreviation for Watertight Safety-Shroud® Twist-Lock®.





Device Type	Style	Type	No. of Devices	Device Type	Pass-Thru
M	**L** - LINKOSITY	**WF** - Watertight Safety-Shroud Receptacle **WM** - Watertight Safety-Shroud Inlet	**1** **2**	**01** - 20A 125V Straight Blade† **02** - 20A 125V Twist-Lock **03** - 20A 250V Twist-Lock **04** - 20A 277V Twist-Lock **05** - 30A 125V Twist-Lock **06** - 30A 250V Twist-Lock **07** - 20A 125/250V Twist-Lock **08** - 20A 3Ø 250V Twist-Lock **09** - 20A 3Ø 480V Twist-Lock **10** - 30A125/250V Twist-Lock **11** - 30A 3Ø 250V Twist-Lock **12** - 30A 3Ø 480V Twist-Lock **13** - 30A 3Ø 600V Twist-Lock	**P** - Pass-Thru **0** - No Pass-Thru





Device Type	Style	Type	No. of Poles	Conductor Colors	Pass - Thru
M	**4L** - LINKOSITY	**20** - 20A **23** - 20A Super Neutral Isolated Ground **30** - 30A	**02** **03** **04** **05** **06**	**PA** - Green/Yellow Black (all others) **PB** - Green/Yellow White Black (all others)	**P** - Pass-Thru **0** - No Pass-Thru



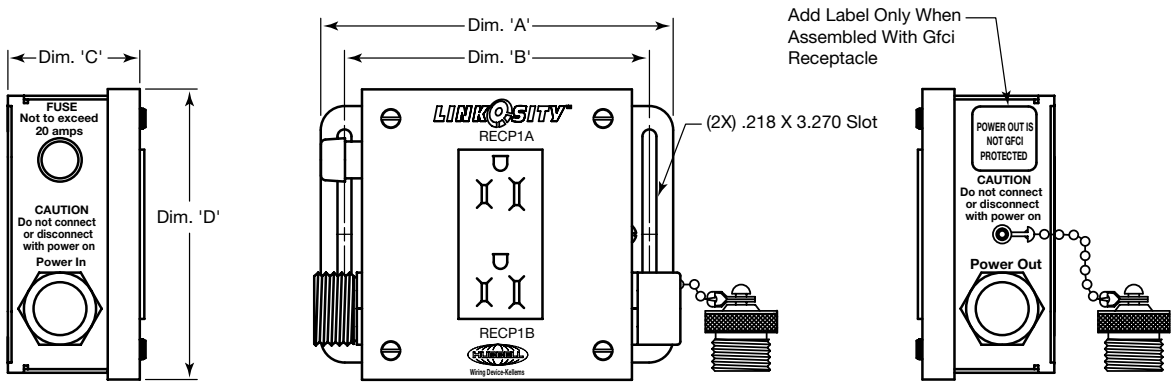
Device Type	Style	Type	No. of Devices	NEMA Device Type	Pass-Thru
M	**C** - Conduit Feed	**WF** - Watertight Safety-Shroud Receptacles **WM** - Watertight Safety-Shroud Inlet	**2**	**01** - 20A 125V Straight Blade **02** - 20A 125V Twist-Lock **03** - 20A 250V Twist-Lock **04** - 20A 277V Twist-Lock **05** - 30A 125V Twist-Lock **06** - 30A 250V Twist-Lock **07** - 20A 125/250V Twist-Lock **08** - 20A 3Ø 250V Twist-Lock **09** - 20A 3Ø 480V Twist-Lock **10** - 30A125/250V Twist-Lock **11** - 30A 3Ø 250V Twist-Lock **12** - 30A 3Ø 480V Twist-Lock **13** - 30A 3Ø 600V Twist-Lock	**0** - No Pass-Thru



Replacement Mounting Feet

Description	Catalog Number
For Power Distribution Assemblies.	**HBLRFT1**Δ

Note: Δ Package of 10 mounting feet and 10 screws.



Catalog Number M001****P Shown

Catalog Number	Gangs	Dimension 'A'	Dimension 'B'	Dimension 'C'	Dimension 'D'
M001**P**	1	5.50 (139.7)	4.75 (120.7)	2.25 (57.2)	4.53 (115.1)
M002**P**	2	7.50 (190.5)	6.75 (171.5)	2.25 (57.2)	4.53 (115.1)
M003**P**	3	9.50 (241.3)	8.75 (222.3)	2.25 (57.2)	4.53 (115.1)
M004**P**	4	11.50 (292.1)	10.75 (273.1)	2.25 (57.2)	4.53 (115.1)
M005**P**	5	13.50 (342.9)	12.75 (323.9)	2.25 (57.2)	4.53 (115.1)

LINKOSITY® Specifications

Certifications	
System Level	ETL Classified to NEC
Component Assemblies (PSDA)	UL Listed
Connecting Components	Listed to UL2238 and UL 50
Cable (Up to #22 AWG)	UL 300V Type ITC/PLTC 105ºC
Cable (#16 AWG and Up)	UL 600V Type TC-ER, MTW 90ºC or STOOW 600V 105ºC

Cable Diameter

Amps	Wires	O.D.
20	3	.595 (15.1)
20	4	.645 (16.4)
20	5	.710 (18.0)
20	6	.760 (19.3)
30	4	.710 (18.0)

Performance

Electrical	
Voltage	Up to 600V
Amperage	Up to 30A

Environmental

Connectivity System Components	
Moisture Resistance	UL Type 4, 4X, 12 and 13
Ingress Protection	IP66 Suitability
Flammability	UL94HB Cables/UL94V-0 receptacles

Power System Distribution Assemblies	
Moisture Resistance	NEMA Type 1, Type 3R, Type 4X

Dimensions in Inches (mm)

MotorQuick® Disconnect Switches

Housing Design

- Thermoplastic Cover on Plated Steel Base
- NEMA 1 Enclosure
- Pre-wired with LINKOSITY® Components
- Crush and Impact Resistance of MC Cable



HBL1389MQ5

IP67
SUITABILITY

Housing Design

- High Impact Valox® Enclosure
- Type 4X Enclosure
- Permanent Labelless Marking
- Lockable Handle to Meet OSHA Lockout/Tagout Regulations
- Cable Ratings: TC-ER, MTW, STOOW



HBLDS3MQ5



HBL1389MQR2



HBLDS3MQR



HBLDS3SSRMQR



HBLDS3SSMQR

MotorQuick® Disconnect Switches

Type 1 Non-Metallic Enclosure 30A 3 Pole 600V AC	Catalog Number
HBL1389D with one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR**
HBL1389D with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBL1389MQ5**
HBL1389D with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBL1389MQR2**

Type 4X Non-Metallic Labelless Enclosure 30A 3 Pole 600V AC	Catalog Number
HBLDS3 with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR**
HBLDS3 with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3MQ5**
HBLDS3 with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3MQR2**

Type 4X Stainless Steel Enclosure 30A 3 Pole 600V AC	Sloped Top	Square Top
HBLDS3SS with one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSRMQR**	**HBLDS3SSMQR**
HBLDS3SS with 5 foot pre-wired LINKOSITY® female cable (load side).	**HBLDS3SSRMQ5**	**HBLDS3SSMQ5**
HBLDS3SS with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	**HBLDS3SSRMQR2**	**HBLDS3SSMQR2**

Accessories

Description	Catalog Number
3P 4W LINKOSITY® male receptacle for installation on motor.	**RM3004PA001**
3P 4W LINKOSITY® female receptacle for installation in switch.	**RF3004PA001**
3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable.	**PH3004PAxxx***
3P 4W LINKOSITY® single ended (female) 5-50 foot cable.	**PF3004PAxxx***
Cord connector, ¾ in. NPT .63–.75 in. (16.0–19.1) diameter.	**SHC1037CR**
Lock-on cover for LINKOSITY® connections.	**PH2030C**

*Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the **XXX** with the required length in feet. (Examples: **PH3004PA005** = 5 foot cable, **PH3004PA050** = 50 foot cable.)*



PH2030C

Sample Set Up

(1) **HBLDS3MQR** + (1) **PH3004PAxxx** + (1) **RM3004PA001** = **Total Set Up****

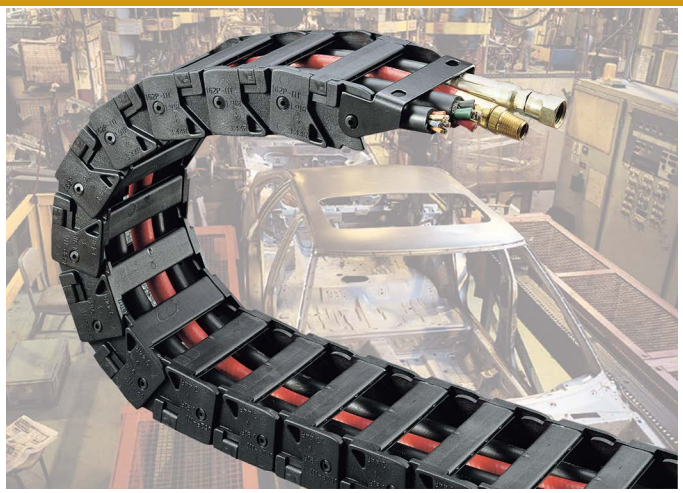




*Note: ** Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.*

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

CableTrak® Hose and Cable Carrier System



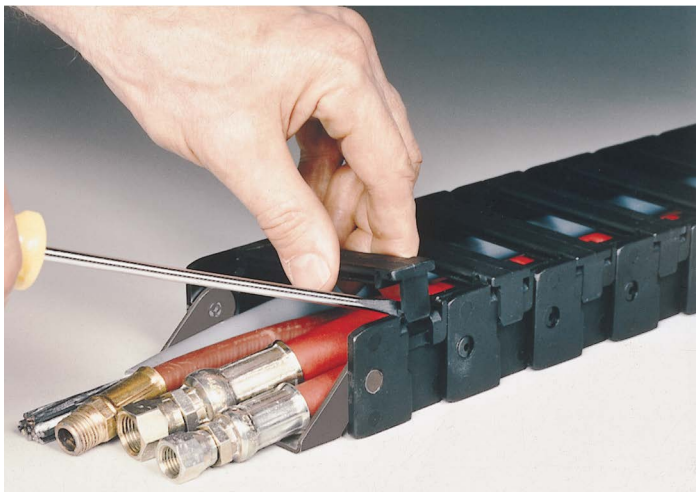
The design of CableTrak carriers provides easy access to components during installation and repair. The track's flip top design allows the installer to lay cable and hose components directly into the track instead of pulling them through the length of the track. Hubbell CableTrak carriers can be ordered as assembled kits with brackets or by the foot without brackets. The final length of the track is easily customized by adding or removing sections of track or individual links with a flat head screwdriver.

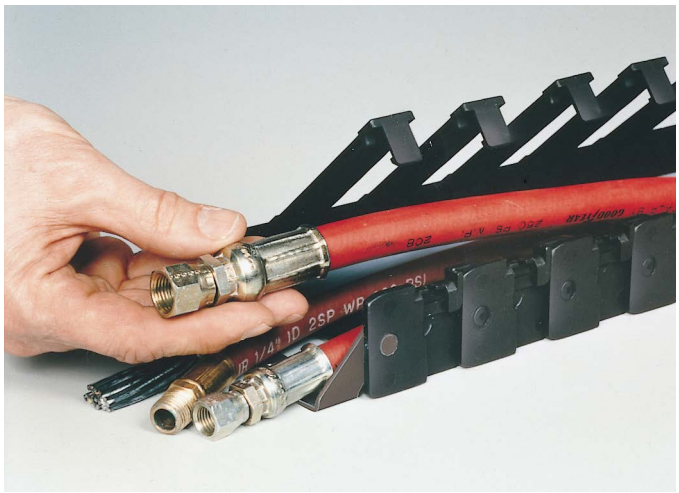
CableTrak® Installation

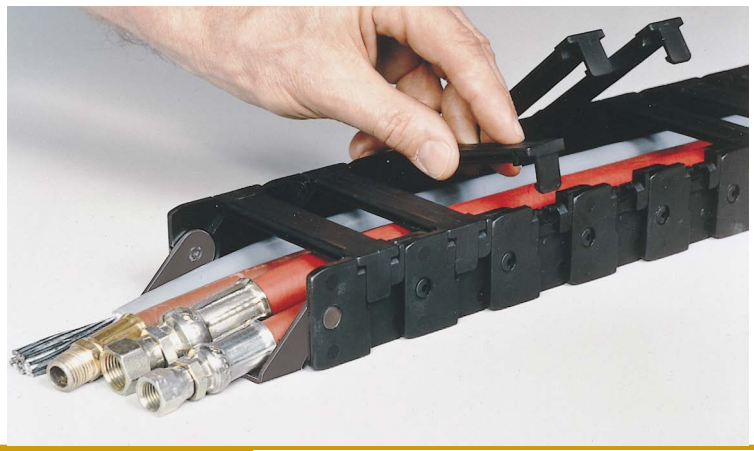
1. Unlock Tab.
2. Locking tabs secure the retaining bar into place. To unlock tabs, slide a flat head screwdriver under the tab and release it with a twisting motion.

Access/Install Cables and Hoses

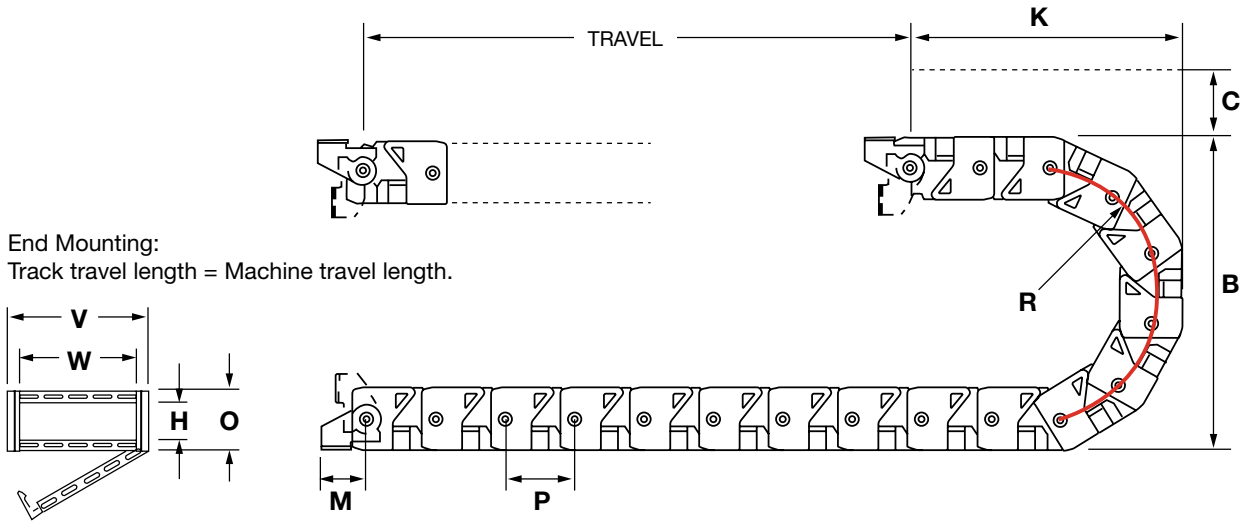
3. Easy access is important, especially for pre-assembled cable/hose sets involving large O.D. plugs, receptacles, and couplings.
4. Lock Tab.
5. To re-secure retaining bars, engage the hinge and snap the locking tab into place.







CableTrak® Kits



End Mounting:
Track travel length = Machine travel length.

CableTrak® Kit with Brackets

Catalog Number	Track Length (ft)	W Inner Width	H Inner Height	A Max Hose/Cab O.D.	B Max Component Width	V Outer Width	O Outer Height	R Bend Radius	B Bend Height	C Clearance	K Min Brkt to Bend	M Brkt to Pivot	P Pitch	L* Curve Length (ft)
HCT10114K**	4.0'	0.59"	0.75"	0.286"	0.531"	1.03"	1.00"	1.44"	3.86"	2.00"	5.68"	1.33"	1.250"	1.000'
HCT10219K**	4.0'	1.00"	0.75"	0.382"	0.900"	1.44"	1.00"	1.91"	4.82"	2.00"	5.41"	1.33"	1.250"	1.000'
HCT16119K	4.0'	1.50"	1.00"	0.382"	1.350"	2.12"	1.62"	1.91"	5.44"	3.00"	5.72"	1.19"	1.812"	1.000'
HCT16134K	4.5'	1.50"	1.00"	0.688"	1.350"	2.12"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16219K	4.0'	2.28"	1.00"	0.328"	2.052"	2.91"	1.62"	1.91"	5.44"	3.00"	5.72"	1.19"	1.812"	1.000'
HCT16234K	4.5'	2.28"	1.00"	0.688"	2.052"	2.91"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16334K	4.5'	3.08"	1.00"	0.688"	2.772"	3.70"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16434K	4.5'	4.06"	1.00"	0.688"	3.654"	4.69"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT25134K	4.5'	2.60"	1.75"	0.680"	2.340"	3.70"	2.50"	3.40"	9.30"	3.00"	8.31"	1.75"	2.500"	1.500'
HCT25234K	4.5'	4.25"	1.75"	0.680"	3.825"	5.36"	2.50"	3.40"	9.30"	3.00"	8.31"	1.75"	2.500"	1.500'
HCT25247K	5.0'	4.25"	1.75"	0.956"	3.825"	5.36"	2.50"	4.78"	12.06"	3.00"	10.52"	1.75"	2.500"	2.000'
HCT25347K	5.0'	6.60"	1.75"	0.956"	5.940"	7.70"	2.50"	4.78"	12.06"	3.00"	10.52"	1.75"	2.500"	2.000'

CableTrak® Kit without Brackets

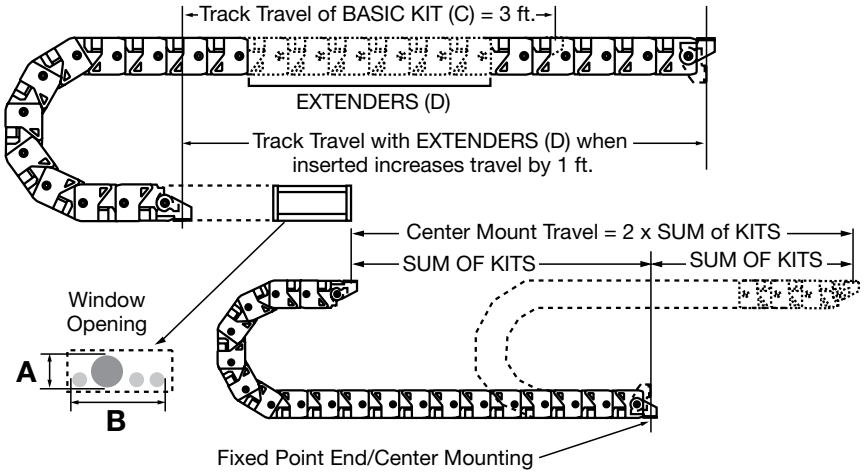
Catalog Number	Track Length (ft)	W Inner Width	H Inner Height	A Max Hose/Cab O.D.	B Max Component Width	V Outer Width	O Outer Height	R Bend Radius	B Bend Height	C Clearance	P Pitch	L* Curve Length (ft)
HCT101141**	1.0'	0.59"	0.75"	0.286"	0.531"	1.03"	1.00"	1.44"	3.86"	2.00"	1.250"	1.000'
HCT102191**	1.0'	1.00"	0.75"	0.382"	0.900"	1.44"	1.00"	1.91"	4.82"	2.00"	1.250"	1.000'
HCT161191	1.0'	1.50"	1.00"	0.382"	1.350"	2.12"	1.62"	1.91"	5.44"	3.00"	1.812"	1.000'
HCT161341	1.0'	1.50"	1.00"	0.688"	1.350"	2.12"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT162191	1.0'	2.28"	1.00"	0.328"	2.052"	2.91"	1.62"	1.91"	5.44"	3.00"	1.812"	1.000'
HCT162341	1.0'	2.28"	1.00"	0.688"	2.052"	2.91"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT163341	1.0'	3.08"	1.00"	0.688"	2.772"	3.70"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT164341	1.0'	4.06"	1.00"	0.688"	3.654"	4.69"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT251341	1.0'	2.60"	1.75"	0.680"	2.340"	3.70"	2.50"	3.40"	9.30"	3.00"	2.500"	1.500'
HCT252341	1.0'	4.25"	1.75"	0.680"	3.825"	5.36"	2.50"	3.40"	9.30"	3.00"	2.500"	1.500'
HCT252471	1.0'	4.25"	1.75"	0.956"	3.825"	5.36"	2.50"	4.78"	12.06"	3.00"	2.500"	2.000'
HCT253471	1.0'	6.60"	1.75"	0.956"	5.940"	7.70"	2.50"	4.78"	12.06"	3.00"	2.500"	2.000'

*Note: *L = Minimum length in feet to form CableTrak curve.*
***These models do not have a flip top design and do not accept separators due to their small size.*

Dimensions in Inches (mm)

CableTrak® Accessories

Center Mounting: Mounting the fixed track end in the center of the machine travel allows the track to travel beyond the fixed end. Center mounting effectively doubles the travel distance of the track requiring half the track length of an end mounted application.



Calculating

Center Mount (Stationary bracket mounted in center of travel range): Track Length = (MT/2) + L
End Mount (Stationary bracket mounted off center of travel range): Track Length = (MT/2) + L + offset from center in feet
MT = Total machine travel distance in feet
L = Length of track taken up by the bend radius

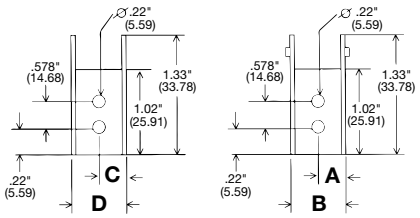
Customizing Track Length

Hubbell CableTrak is easily customized by adding or subtracting links to the track. CableTrak kits provide 4 to 5 feet of track with brackets pre-installed. Track length can be increased by installing the required number of extenders to reach the required length. To further tune the length of track, individual links can be added or removed. To determine the number of links to add or remove, divide the length in inches to be added or subtracted by the pitch of the track and round up.

CableTrak® Accessories

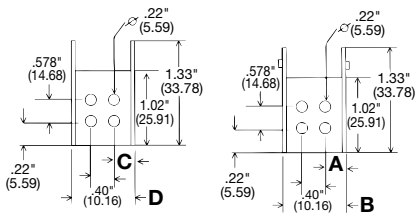
Bracket Kits	For Use With	A	B	C	D	E	F	G	H
HCTBK101	HCT101 Series	.40" (10.2)	.81" (20.6)	.47" (12.0)	.94" (23.9)	–	–	–	–
HCTBK102	HCT102 Series	.44" (11.2)	1.22" (31.0)	.44" (11.2)	1.35" (34.3)	–	–	–	–
HCTBK161	HCT161 Series	.99" (25.2)	1.97" (50.1)	.87" (22.1)	1.84" (46.7)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK162	HCT162 Series	1.78" (45.2)	2.75" (69.9)	1.65" (41.9)	2.63" (66.8)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK163	HCT163 Series	2.57" (65.3)	3.55" (90.2)	2.44" (62.0)	3.42" (86.9)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK164	HCT164 Series	3.56" (90.4)	4.53" (115.1)	3.47" (88.1)	4.41" (112.0)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK251	HCT251 Series	2.08" (52.8)	3.21" (81.5)	1.80" (45.7)	3.03" (77.0)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
HCTBK252	HCT252 Series	3.74" (95.0)	4.87" (123.7)	3.46" (87.9)	4.69" (119.1)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
HCTBK253	HCT253 Series	6.08" (154.4)	7.21" (183.1)	5.80" (147.3)	7.03" (178.6)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
Separators	For Use With	A	B	C	D	E	F		
HCTSP16PK12	HCT16 Series	1.24" (31.5)	.82" (20.8)	.94" (23.9)	.27" (6.9)	.14" (3.6)	.50" (12.7)		
HCTSP25PK12	HCT25 Series	2.03" (51.6)	1.00" (25.4)	1.19" (30.2)	.35" (8.9)	.15" (3.8)	.62" (15.8)		

HCTBK101 – Brackets



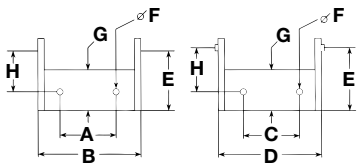
Female **Male**

HCTBK102 – Brackets



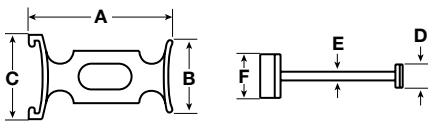
Female **Male**

HCTBK161 – HCTGK253 Brackets



Female **Male**

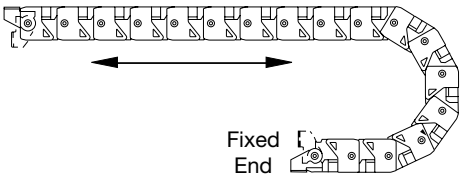
Separators

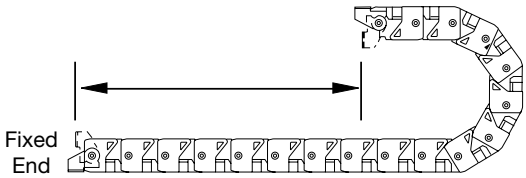


Dimensions in Inches (mm)

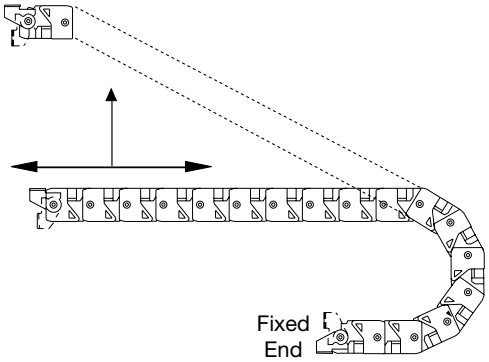
CableTrak® System Mounting Options

Horizontal Travel

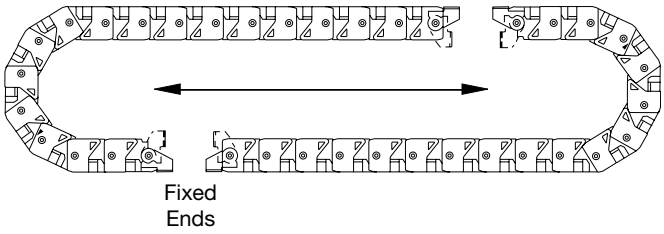




Combination Horizontal & Vertical Travel

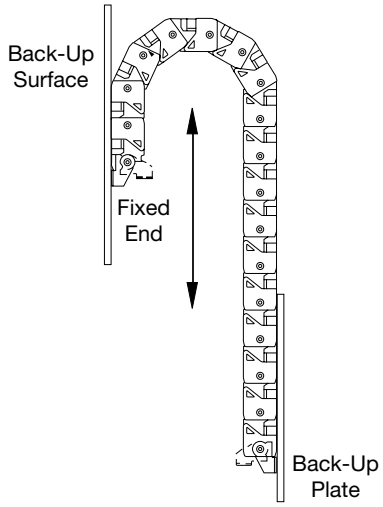


Opposed Travel

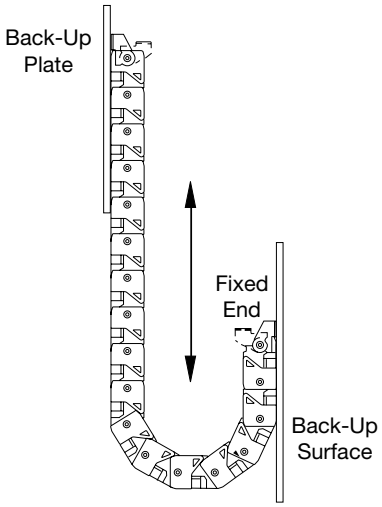


Vertical Travel

Curve Up



Curve Down



Specifications

Material	Fiberglass reinforced nylon.
Operating Temperature	Continuous +20°F to +100°F (-7°C to 38°C). Intermittent* -40°F to +220°F (-40°C to 104°C).
Maximum Operating Speed	600 FPM (feet per minute), 180 MPM (meters per minute). Operating speed is based on short lengths that are self supported (up to 9ft.).
Maximum Unsupported Travel Distance	HCT16 Series without sag 9 ft. (2.8 m) with sag 10.5 ft. (3.2 m). HCT25 Series without sag 13.5 ft. (4.1 m) with sag 17 ft. (5.2 m).
Applications	Machine tool, robotic automation, material handling.

*Note: *Intermittent refers to the operating of the product outside the normal (continuous operating) temperature range momentarily before returning back to the normal range.*

DIN Rail Utility Box

Hubbell's DIN Rail Utility Box offers a labor saving way to provide utility power to any control cabinet. Installing the DIN Rail Utility Box is as easy as snapping the box onto a 35mm DIN Rail and connecting the line, neutral and ground wires to the terminal block. Utility power for fans, lights, laptop computers, testers or any other power requirement. If load limiting is a concern, Hubbell's "CB" version comes with a 5 Amp circuit breaker that provides over-current protection to make sure that large loads are not drawn from the DIN Rail Utility Box. All Hubbell DIN Rail Utility Boxes may be mounted either vertically or horizontally on the DIN Rail; the "H" version comes with the terminal block mounted for easy wiring when the DIN Rail Utility Box is mounted horizontally.

Duplex Receptacles

Description	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Complete unit.	Gray	**DRUB15**	**DRUB20**
Complete unit, horizontal mount.	Gray	**DRUB15H**	–
Complete unit with 5A circuit breaker.	Gray	**DRUB15CB5**	–
Complete unit with 5A circuit breaker, horizontal.	Gray	**DRUB15HCB5**	–
Complete unit with aux.	Gray	–	**DRUB20AC**
Complete unit with aux and 5A circuit breaker.	Gray	–	**DRUB20ACCB5**
Complete unit with NEMA® 6-20R duplex (250V).	Gray	–	**DRUB5462***

GFCI Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBGFI15**	**DRUBGFI20**
Complete unit, horizontal.	Gray	**DRUBGFI15H**	–
Complete unit with 5A circuit breaker.	Gray	**DRUBGFI15CB5**	–
Complete unit with 5A circuit breaker, horizontal.	Gray	**DRUBGFI15HCB5**	–
Complete unit with aux GFCI contacts.	Gray	**DRUBGFI15AC**	**DRUBGFI20AC**
Complete unit, faceless with aux GFCI contacts.	Gray	–	**DRUBGFI20BFAC**

TVSS Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBTVSS15**	–
Complete unit with aux contacts.	Gray	**DRUBTVSS15AC**	–

Isolated Ground△ Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	**DRUBIG15**	–

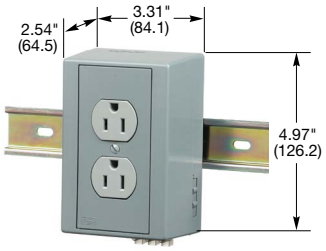
Toggle Switch Unit

Description	Color	Catalog Number
Complete unit with HBL1221.	Gray	**DRUB1221AC**
Complete unit with 15A 125V SW/REC.	Gray	**DRUB6404**

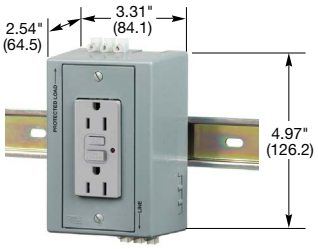
DIN Rail Utility Box Components

Description	Color	Catalog Number
Pre-wired kit without circuit breaker.	Gray	**DRUBKIT**
Pre-wired kit with circuit breaker.	Gray	**DRUBKITCB5**
Pre-wired kit with aux.	Gray	**DRUBKITAC**
Pre-wired kit with circuit breaker and aux.	Gray	**DRUBKITACCB5**
Communications kit (unloaded). (For use with Network Wiring frames in section W).	Gray	**HIDRUBCKIT**
Switch plate only.	Gray	**KP1GY****
Rectangular opening plate only.	Gray	**KP26GY****
1.60 in. opening plate only.	Gray	**KP720GY****
1.40 in. opening plate only.	Gray	**KP7GY****
Duplex receptacle plate only.	Gray	**KP8GY****

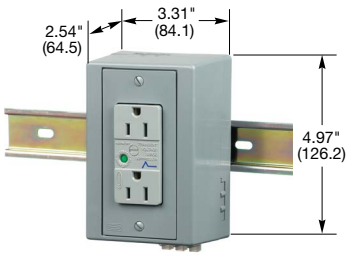
Note: △See section M for additional information on isolated ground devices.
**DRUB5462 configuration not pictured.*
***UL Listed, CSA Certified.*



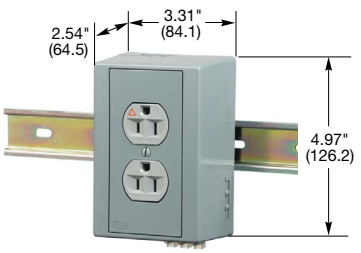
DRUB15



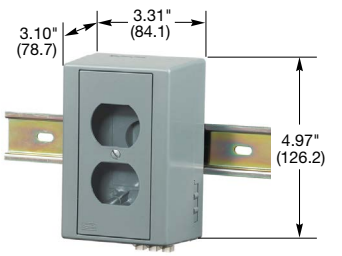
DRUBGFI15AC



DRUBTVSS15



DRUBIG15



HIDRUBCKIT

Dimensions in Inches (mm)

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Features and Benefits

IP66
SUITABILITY

NFPA 70E Compliant

PANEL-SAFE® Power and Data

An arc flash is a short circuit that travels through air from one live circuit to another. Problems including gaps in insulation, dust or corrosion on the surface of a conductor, or even use of substandard components can cause a serious safety hazards and equipment failures. Arc flash incidents can be extremely costly to a business and can result in serious or even fatal burns, as well as damage to eyesight. Hubbell PANEL-SAFE® provides through door access to live electrical components without having to open the enclosure.

- Available in Type 4, 12 and 4X versions with protective clear cover
- Provides overcurrent protection for both power and data access ports
- Ensures safety with finger-safe contacts and Hubbell GFCI functionality



Available in NEMA TYPE 4, 12 and NEMA TYPE 4X Versions!



Housing Design

- Rugged, nickel-plated hardware, excellent corrosion and abuse resistance
- Protective clear cover
- Operating temperature -20°C to 110°C



Internal Design

- Hubbell GFCI with functionality indicator
- Cat. 5e Ethernet access*
- Overcurrent protection



Housing Design

- Locking Hasp accepts 5⁄32" padlock
- Supplemental "Tool" entry screw closure



Internal Design

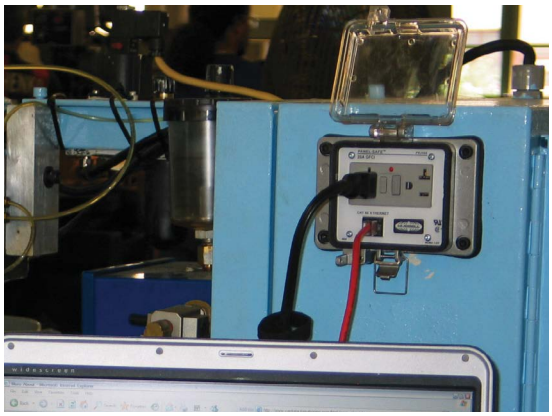
- Additional convenience outlet on GFCI versions
- Finger-safe contacts
- Stainless steel snap latch

*Note: *Additional computer interfaces and PLC connections available upon request.*

Specifications

Electrical	GFCI - conforms to UL 943 2006 requirement In-Cabinet Receptacle - GFCI protected Data Jack - Cat. 5e Circuit Breaker - 3A
Mechanical	Cover - Clear Polycarbonate (UV Rated) Housing - Cast Aluminum Finish - Powder Coat Latch - Stainless steel
Environmental	Enclosure - NEMA Type 4, 12 and NEMA Type 4X
Certification	UL Recognized CSA Certified

Application



NFPA 70E Compliant

PANEL-SAFE® Power Only

Description	NEMA TYPE 4	NEMA TYPE 4X
15A 125V GFCI with In-Cabinet Receptacle.	**PR20**	—



PR20

PANEL-SAFE® Data Only

Description	NEMA TYPE 4	NEMA TYPE 4X
Cat. 5e Ethernet Access only.	**P5E**	**P4X5E**
DB9 Interface Connector only.	**PDB9**	—
PANEL-SAFE Data Port with DB9 Connector.	**PDB9MF**	—
DH + Combo (DB9/8M Din) and Cat. 5e Ethernet.	**PDH5E**	—
PANEL-SAFE Data Port, (2) USBA, 3 ft. Cable.	—	**P4XUSBA2C3**



P5E



PDB9MF



P4XUSBA2C3

PANEL-SAFE® Power and Data

Description	NEMA TYPE 4	NEMA TYPE 4X
15A 125V GFCI with In-Cabinet Receptacle and Cat. 5e Ethernet Access.	**PR205E**	**PR4X205E**
15A 125V GFCI with In-Cabinet Receptacle, Cat. 5e Ethernet Access and 3A Circuit Breaker.	**PR205EB**	**PR4X205EB**
PANEL-SAFE with 15A GFCI and Cat.5e, DB9 and 3A Circuit Breaker.	**PR205EDB9B**	—
PANEL-SAFE with 15A GFCI and Cat.5e, 3A USB.	**PR205EUSBA**	—
PANEL-SAFE with 15A GFCI and Cat.5e, (2) 3A USB.	**PR205EUSBA2**	—
PANEL-SAFE Data Access Port.	**PR205EUSBA2VGA**	—
15A 125V GFCI Power and Cat. 5e, DB9 and 3A Circuit Breaker.	**PR205EDB9MFB**	—
15A 125V GFCI Power and Cat. 5e Ethernet, DH + Combo (DB9/8M Din).	**P20DH5E**	—
PANEL-SAFE with 15A GFCI and Cat.5/DB9.	**P205EDB9**	—
PANEL-SAFE, 4X, Cat. 5e, DB9, Circuit Breaker.	—	**PR4X205EDB9B**
PANEL-SAFE 4X, Cat. 5e, (2) DB9, Circuit Breaker.	—	**PR4X205E2DB92B**
15A 125V Power and Cat. 5e Ethernet Access.	**P155E**	**P4X155E**
15A 125V Power, Cat. 5e Ethernet Access and 3A Circuit Breaker.	**P155EB**	**P4X155EB**
15A 125V Power and (2) Cat. 5e Ethernet Access.	**P155E2**	—
15A 120V AC Power, NEMA 12/4, DB9 M/F, 10 ft. Cable.	**P15DB9MFC10**	—
15A 125V Power and DH485 Interface (RJ-45F to RJ-45M, 10 ft. Cable).	**P15DH485C10**	—
15A 125V Power and Micrologix 8M Din/F to 8M Din/M, 10 ft. Cable.	**P15ML8F8MC10**	—



PR205EUSBA2



PR205EB



P155E



P155EB

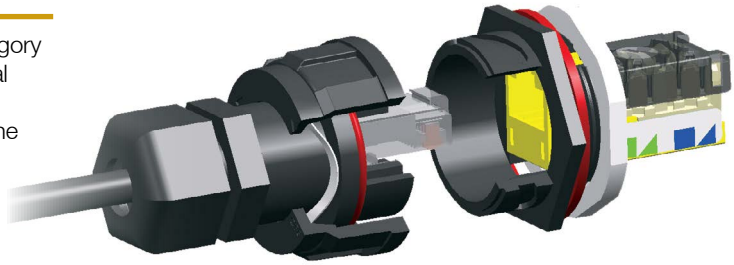
Additional computer interfaces, PLC connections and configurations available upon request. Consult factory for catalog number and availability.

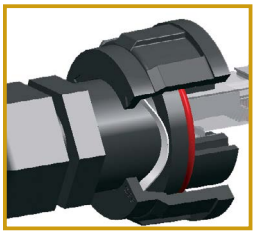
Features and Benefits

HI-Impact Industrial Ethernet Connectors

Hubbell's Industrial Ethernet System provides leading edge Category 5e and 6 network transmission performance suitable for industrial and other harsh environments. This system incorporates the use of our standard data connectivity jacks which feature our keystone latching mechanism, in a rugged sealed housing providing IP67 rated protection.

Extend your LAN to include automation equipment and manufacturing or process control equipment. Utilize the Hubbell system to provide added protection in harsh environments such as convention centers, food processing plants, outdoor billboards and display screens, medical and other environments which require added protection from moisture, corrosion, dust-debris, vibration and chemicals.





Housing Design

- Housing made from high impact polymer
- O-rings for moisture protection
- Sealed connection is IP67 rated



Internal Design

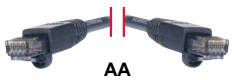
- Category 6 and 5e component connectors
- Standard Hubbell Keystone latching system

















Industrial Ethernet Connectors

Description	Cat. 6	Cat. 6 Inline Coupler
Connector	**HI6**	**HI6C**

Industrial Ethernet Patch Cords and Plugs

Description	Catalog Number
HI-Impact RJ-45 to standard RJ-45.	**HI603AE***
HI-Impact RJ-45 on both ends.	**HI603EE***
Standard RJ-45 on both ends.	**HI603AA***

*Note: *Additional lengths in feet: 05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50.*

Coupler Housing and Connector Cap

Description	Catalog Number
HI-Impact coupler housing is a perfect solution for temporary and flexible work areas where single port drops are needed. Add any HI-Impact connector to support your application.	**HICH**
Connector Cap	**HIC**

HI-Impact Wallplates

Description	1-Gang 1-Port Opening	1-Gang 2-Port Openings	2-Gang 2-Port Openings	2-Gang 4-Port Openings
Stainless steel wallplate.	**HISF11**	**HISF12**	**HISF22**	**HISF24**

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Environmental Specifications

Ingress Protection:	NEMA TYPE 4X (connectors). IP67 and IP66 (dust/water). IP55 (plates).
Corrosion:	Resistant to most common chemicals, oils and cleaning agents.
HI-Impact Housing:	UV resistant.
Temperature Range:	TIA/EIA-568-B.2 -25°C to 70°C.

Material

HI-Impact Housing:	Valox®, UL 94V-0.
Nose Contacts:	Beryllium copper with a minimum of 50 micro-inch gold plating over nickel under plating.

Mechanical

Vibration
- Frequency Range: 10-500Hz.
- Acceleration: 5g (operational).

Mating Cycles: 750 minimum.
UL 1863 compliant.

Electrical

ANSI/TIA/EIA-568-B.2-1 (Cat. 6 and 5e).
Supports TIA-1005 Industrial Telecommunications Infrastructure.

SECTION J

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inREACH™ Industrial and Industrial Weatherproof Cord Reels



Commercial and Lighted Cord Reels



Air/Water Hose Reels and Static Discharge Reels



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inREACH™ Industrial and Industrial Weatherproof Cord Reels

Hubbell's newly redesigned inREACH™ Industrial and Industrial Weatherproof Cord Reels improve existing user safety and maximize efficiency by managing cord and power in a safe and organized manner, while also meeting the most demanding industrial environments needs for years with little to no maintenance.

inREACH™ Industrial and Industrial Weatherproof Cord Reels are listed to UL 355 and CSA, C22.2 No. 308 with a durable, lightweight low profile cast aluminum construction. inREACH™ Reels also feature a newly designed mounting plate that allows for a quick easy installation on any surface.



inREACH™

No matter what your need, Hubbell will always be inREACH™!



inREACH™ Industrial Cord Reels

- Durable, corrosion resistant cast aluminum construction
- Multi-position guide arm can be mounted in two positions
- Ratchet lock can be disengaged in field for constant tension applications



HBLI45123



HBLI45123BLK



HBLI45103Y

inREACH™ Industrial Cord Reels

Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Black Reel	White Reel	Yellow Reel
10	250	45 (13.7)	16/3 SJO	22.9 (10.4)	—	**HBLI45163**	**HBLI45163Y**
			16/4 SJO	23.6 (10.7)	—	**HBLI45164**	**HBLI45164Y**
		35 (10.7)	16/3 SJO	22.0 (10.0)	—	**HBLI35163**	**HBLI35163Y**
			16/4 SJO	22.7 (10.3)	—	**HBLI35164**	**HBLI35164Y**
		25 (7.6)	16/3 SJO	21.2 (9.6)	—	**HBLI25163**	**HBLI25163Y**
			16/4 SJO	21.8 (9.9)	—	**HBLI25164**	**HBLI25164Y**
15	250	45 (13.7)	14/3 SJO	24.0 (10.9)	—	**HBLI45143**	**HBLI45143Y**
			14/4 SJO	25.4 (11.5)	—	**HBLI45144**	**HBLI45144Y**
		35 (10.7)	14/3 SJO	22.9 (10.4)	—	**HBLI35143**	**HBLI35143Y**
			14/4 SJO	24.0 (10.9)	—	**HBLI35144**	**HBLI35144Y**
		25 (7.6)	14/3 SJO	21.8 (9.9)	—	**HBLI25143**	**HBLI25143Y**
			14/4 SJO	22.7 (10.3)	—	**HBLI25144**	**HBLI25144Y**
20	250	45 (13.7)	12/3 SJO	26.5 (12.0)	**HBLI45123BLK**	**HBLI45123**	**HBLI45123Y**
			12/3 SJO	26.5 (12.0)	—	**HBLIWC45123****	—
			12/4 SJO	29.8 (13.5)	—	**HBLI45124**	**HBLI45124Y**
		35 (10.7)	12/3 SJO	24.9 (11.3)	—	**HBLI35123**	**HBLI35123Y**
			12/4 SJO	26.5 (12.0)	—	**HBLI35124**	**HBLI35124Y**
		25 (7.6)	12/3 SJO	23.4 (10.6)	—	**HBLI25123**	**HBLI25123Y**
			12/4 SJO	24.5 (11.1)	—	**HBLI25124**	**HBLI25124Y**
18	250	70 (21.3)	12/3 SJO	79.6 (36.1)	—	**HBLI70123***	—
18	250	90 (27.4)	12/3 SJO	86.5 (39.2)	—	**HBLI90123***	—
16	250	80 (24.4)	12/3 SJO	85.1 (38.6)	—	**HBLI80124***	—
30	250	45 (13.7)	10/3 SJO	32.4 (14.7)	—	**HBLI45103**	**HBLI45103Y**
		40 (12.2)	10/4 SJO	33.7 (15.3)	—	**HBLI40104**	**HBLI40104Y**
		35 (10.7)	10/3 SJO	30.0 (13.6)	—	**HBLI35103**	**HBLI35103Y**
			10/4 SJO	32.2 (14.6)	—	**HBLI35104**	**HBLI35104Y**
		25 (7.6)	10/3 SJO	26.0 (11.8)	—	**HBLI25103**	**HBLI25103Y**
			10/4 SJO	29.1 (13.2)	—	**HBLI25104**	**HBLI25104Y**
25	250	80 (24.4)	10/3 SJO	104.3 (47.3)	—	**HBLI80103***	—
25	250	80 (24.4)	10/4 SJO	113.3 (51.4)	—	**HBLI80104***	—

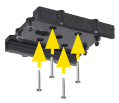
*Note: * See page J-3 for compatible mounting brackets **Supplied with White cable.*

Features and Benefits

inREACH™ Industrial Cord Reels

- Durable, corrosion resistant cast aluminum construction
- Multi-position guide arm can be mounted in two positions
- Ratchet lock can be disengaged in field for constant tension applications

Labor Savings are inREACH™!







HBLI45123C20

inREACH™ Industrial Cord Reels Connector Ends

Description		Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
White Industrial Reel	with HBL5269C	15	125	45 (13.7)	14/3 SJO	24.0 (10.9)	**HBLI45143C15**
	with HBL5369C	20	125	45 (13.7)	12/3 SJO	26.5 (12.0)	**HBLI45123C20**
	with HBL2313					26.5 (12.0)	**HBLI45123TL20**
White Industrial Reel with Yellow Portable Outlet Box	(1) 15A Duplex Receptacle	15	125	45 (13.7)	14/3 SJO	26.5 (12.0)	**HBLI45143R15**
	(2) 15A Duplex Receptacles					26.5 (12.0)	**HBLI45143R215**
	GFCI Module and (1) 15A Duplex Receptacle	15	125	45 (13.7)	14/3 SJO	26.5 (12.0)	**HBLI45143GF15**
	GFCI Module and (2) 15A Duplex Receptacles					26.5 (12.0)	**HBLI45143GF215**
White Industrial Reel with Black Portable Outlet Box	(1) 15A Duplex Receptacle	15	125	45 (13.7)	14/3 SJO	26.5 (12.0)	**HBLI45143R15M1**
	(2) 15A Duplex Receptacles					26.5 (12.0)	**HBLI45143R215M1**
	GFCI Module and (2) 15A Duplex Receptacles	15	125	45 (13.7)	14/3 SJO	26.5 (12.0)	**HBLI45143GF215M1**
White Industrial Reel with Yellow Portable Outlet Box	(1) 20A Duplex Receptacle	20	125	45 (13.7)	12/3 SJO	26.5 (12.0)	**HBLI45123R20**
	(2) 20A Duplex Receptacles					26.5 (12.0)	**HBLI45123R220**
	GFCI Module and (1) 20A Duplex Receptacle	20	125	45 (13.7)	12/3 SJO	26.5 (12.0)	**HBLI45123GF20**
	GFCI Module and (2) 20A Duplex Receptacles					26.5 (12.0)	**HBLI45123GF220**
White Industrial Reel with Black Portable Outlet Box	(1) 20A Duplex Receptacle	20	125	45 (13.7)	12/3 SJO	26.5 (12.0)	**HBLI45123R20M1**
	(2) 20A Duplex Receptacles					26.5 (12.0)	**HBLI45123R220M1**
	GFCI Module and (2) 20A Duplex Receptacles	20	125	45 (13.7)	12/3 SJO	26.5 (12.0)	**HBLI45123GF220M1**
White Industrial Reel with Triple Tap	GFCI Module and Triple Tap Outlet	15	125	45 (13.7)	12/3 SJO	26.5 (12.0)	**HBLI45123GFTT**


HBLI45143C15


HBLI45123TL20


HBLI45123R20


HBLI45123GF20


HBLI45123GF220M1

Note: 15A reels are supplied with HBL5266C on the power supply cord. 20A reels are supplied with HBL5366C on the power supply cord. For shorter cable lengths, modify length indication in catalog number (i.e. HBLIXX); 35ft & 25ft lengths are available. For yellow reel, add 'Y' suffix to catalog number.

inREACH™ Accessories

Description	Weight Lbs. (kg)	Catalog Number
Mounting bracket	2.5 (1.1)	**HBLIMB**
Mounting bracket with junction box mount	3.0 (1.4)	**HBLIMBJ**
Mounting bracket	3.5 (1.6)	**HBLIACCMB***
Mounting bracket with junction box mount	4.0 (1.8)	**HBLIACCMBJ***
340° pivot base	3.5 (1.1)	**HBLI340PB**
Replacement stop.	.2 (.09)	**HBLI16BS** **HBLI14BS** **HBLI12BS** **HBLI10BS**


HBLIMB


HBLIMBJ


HBLI45123GFTT


HBLI340PB


HBLI16BS

*Note: *Compatible with cord reel models from page J-2 marked with a single asterisk (*)*

Plenum Rated Enclosure for inREACH™ Cord Reels

Description	Weight lbs. (kg)	Catalog Number
Plenum Rated Enclosure	30 lbs. (13.6)	**HBLIPRBOX**


HBLIPRBOX

Note: Check with manufacturer for compatible cord reel models.

Features and Benefits

inREACH™ Industrial Weatherproof Cord Reels

- UL Type 4 environmental listing
- 600V AC, SOW Type Cable
- Durable, corrosion resistant cast aluminum construction
- Multi-position guide arm can be mounted in two positions
- Ratchet lock can be disengaged in field for constant tension applications



HBLW45103



HBLW45123W



HBLW35143



HBLW45103



HBLIMB

inREACH™ Industrial Weatherproof Cord Reels

Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Yellow Reel	White Reel
10	600	45 (13.7)	16/3 SOW 16/4 SOW	23.6 (10.7) 25.6 (11.6)	**HBLW45163** **HBLW45164**	**HBLW45163W** **HBLW45164W**
		35 (10.7)	16/3 SOW 16/4 SOW	22.5 (10.2) 23.1 (10.5)	**HBLW35163** **HBLW35164**	**HBLW35163W** **HBLW35164W**
		25 (7.6)	16/3 SOW 16/4 SOW	21.4 (9.7) 21.8 (9.9)	**HBLW25163** **HBLW25164**	**HBLW25163W** **HBLW25164W**
15	600	45 (13.7)	14/3 SOW 14/4 SOW	28.2 (12.8) 30.0 (13.6)	**HBLW45143** **HBLW45144**	**HBLW45143W** **HBLW45144W**
		35 (10.7)	14/3 SOW 14/4 SOW	25.1 (11.4) 26.5 (12.0)	**HBLW35143** **HBLW35144**	**HBLW35143W** **HBLW35144W**
		25 (7.6)	14/3 SOW 14/4 SOW	22.5 (10.2) 24.3 (11.0)	**HBLW25143** **HBLW25144**	**HBLW25143W** **HBLW25144W**
18 16	600	80 (24.4) 75 (22.9)	12/3 SOW 12/4 SOW	97.5 (44.2) 107.4 (48.7)	— —	**HBLW80123W*** **HBLW75124W***
20	600	45 (13.7)	12/3 SOW	31.3 (14.2)	**HBLW45123**	**HBLW45123W**
		40 (12.2)	12/4 SOW	32.2 (14.6)	**HBLW40124**	**HBLW40124W**
		35 (10.7)	12/3 SOW 12/4 SOW	28.9 (13.1) 30.6 (13.9)	**HBLW35123** **HBLW35124**	**HBLW35123W** **HBLW35124W**
		25 (7.6)	12/3 SOW 12/4 SOW	24.9 (11.3) 27.6 (12.5)	**HBLW25123** **HBLW25124**	**HBLW25123W** **HBLW25124W**
25 20	600	75 (22.9) 75 (22.9)	10/3 SOW 10/3 SOW	103.8 (47.1) 116.2 (52.7)	— —	**HBLW75103W*** **HBLW75104W***
30	600	40 (12.2)	10/3 SOW	33.3 (15.1)	**HBLW40103**	**HBLW40103W**
		35 (10.7)	10/3 SOW 10/4 SOW	31.7 (14.4) 34.2 (15.5)	**HBLW35103** **HBLW35104**	**HBLW35103W** **HBLW35104W**
		25 (7.6)	10/3 SOW 10/4 SOW	28.4 (12.9) 30.2 (13.7)	**HBLW25103** **HBLW25104**	**HBLW25103W** **HBLW25104W**
40 30 35	600	45 (13.7) 60 (18.3) 45 (13.7)	8/3 SOW 8/3 SOW 8/3 SOW	106.5 (48.3) 123.2 (55.9) 122.8 (55.7)	— — —	**HBLW4583W*** **HBLW6083W*** **HBLW4584W***
55 55	600	45 (13.7) 45 (13.7)	6/3 SOW 6/4 SOW	123.0 (55.8) 126.7 (57.5)	— —	**HBLW4563W*** **HBLW4564W***
14 6	600	45 (13.7) 45 (13.7)	12/8 SOW 14/12 SOW	107.4 (48.7) 113.5 (51.5)	— —	**HBLW45128W*** **HBLW451412W***



HBLI340PB



HBLIMBJ



HBLI10BS

inREACH™ Accessories

Description	Weight Lbs. (kg)	Catalog Number
Mounting bracket Mounting bracket with junction box mount	2.5 (1.1) 3.0 (1.4)	**HBLIMB** **HBLIMBJ**
Mounting bracket Mounting bracket with junction box mount	3.5 (1.6) 4.0 (1.8)	**HBLIACCMB*** **HBLIACCMBJ***
340° pivot base	3.5 (1.6)	**HBLI340PB**
Replacement stop	.2 (.09)	**HBLI16BS** **HBLI14BS** **HBLI12BS** **HBLI10BS**

*Note: *Compatible with cord reel models marked with a single asterisk (*)*

Features and Benefits

Heavy Duty Industrial Weatherproof Reels

- Powder coated, solid U.S. steel construction
- Multi-position roller guide can be mounted in four different positions
- Ratchet lock can be disengaged in field for constant tension application
- UL Type 4X enclosure protects spring motor, junction box, slip ring assembly and cable entrance from hosedown or corrosion
- Optional pivot base allows 340° rotation of reel and increases range of cable to nearly any direction



HBL501242W
with **HBL16PB**

Heavy Duty Industrial Weatherproof Reels*

Description		Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
14" yellow weatherproof reel		15	600	50 (15.2)	14/3 SOW-A	55 (24.9)	**HBL501431W**
16" weatherproof reel	yellow housing white housing	20	600	50 (15.2)	12/3 SOW-A	80 (36.3)	**HBL501232W** **HBL501232WM1**
16" yellow weatherproof reel		16	600	50 (15.2)	12/4 SOW-A	86 (39.0)	**HBL501242W**
16" weatherproof reel	yellow housing white housing	25	600	50 (15.2)	10/3 SOW-A	86 (39.0)	**HBL501032W** **HBL501032WM1**
16" yellow weatherproof reel		20	600	50 (15.2)	10/4 SOW-A	92 (41.7)	**HBL501042W**

*Note: *All heavy duty industrial cord reels are supplied with wire leads and ¾" NPT hub feed. Power supply cable not supplied.*



HBL501232WM1



HBL501242W
with **HBL16PB**

Accessories

Description	Weight Lbs. (kg)	Catalog Number
14" pivot base.	5 (2.3)	**HBL14PB**
16" pivot base.	13 (5.9)	**HBL16PB**
Replacement stop.	.2 (.09)	**HBLWPBS**



HBL14PB

Specifications

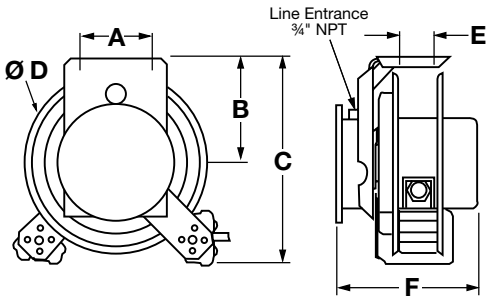
Listing/Certification	UL 355 and CSA, C22.2 No. 308.
Environment	Type 4X enclosure, CAN/CSA - C22.2 No. 308. Dry, indoor and wet and damp outdoor non-hazardous location.



HBLWPBS

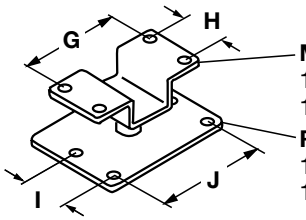
Dimensions

Inch (mm)	A	B	C	D	E	F	G	H	I	J
14" Reel	6.50" (165)	8.12" (206)	16.25" (413)	13.75" (349)	3.00" (76)	12.19" (310)	3.00" (76)	3.00" (76)	3.00" (76)	6.50" (165)
16" Reel	6.50" (165)	9.12" (232)	18.25" (464)	15.75" (400)	3.00" (76)	14.19" (360)	6.00" (152)	6.00" (152)	4.94" (125)	6.50" (165)



Pivot Base

340° Pivot Base (Optional)



Mounting Surface 4 Holes
14" 0.44 (11) diameter
16" 0.53 (13) diameter

Reel Base 4 Holes
14" 0.47 (12) diameter
16" 0.53 (13) diameter

Note: Pivot base for use only with Weatherproof Cable Reel.

Dimensions in Inches (mm)



HBLIWC45123GF220HG

inREACH™ Medical Cord Reels

Description	Amps	Volts	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
White reel, white portable outlet box, GFCI module, and (2) 20A Hospital Grade receptacles	20A	125V AC	45 (13.7)	12/3 SJO	34.9 (15.8)	**HBLIWC45123GF220HG**
White reel, white portable outlet box, and (2) 20A Hospital Grade receptacles	20A	125V AC	45 (13.7)	12/3 SJO	34.4 (15.6)	**HBLIWC45123R220HG**
White reel and Hospital Grade connector HBL8319C	20A	125V AC	45 (13.7)	12/3 SJO	33.6 (15.2)	**HBLIWC45123C20HG**



HBLI45163LED

Industrial Lighted Cord Reels, 45 Ft. (13.7m) - 16/3 AWG SJEO Cable

Cord End	Amps	Volts AC	Watts (Max)	Weight Lbs. (kg)	Catalog Number
LED hand lamp, with end light, white reel.	0.07	125	8 + 1	22.9 (10.4)	**HBLI45163LED**
Fluorescent hand lamp, white reel.	0.3	125	13	22.9 (10.4)	**HBLI45163FL**
Incandescent hand lamp, white reel.	0.8	125	100	22.9 (10.4)	**HBLI45163IN**

Note: Supplied with 5 ft. power supply cord with HBL5266C, 15A straight blade plug. For shorter cable lengths, modify length indication in catalog number (i.e. HBLIXX); 35ft & 25ft lengths are available. For yellow reel, add 'Y' suffix to catalog number.



HBLI50CAT6

InREACH™ Category 6 Data Reels

Description	Cable Length ft (m)	Cable Type	Weight lbs. (kg)	Catalog Number
Black Data Reels with RJ45 Plugs	50 (15.2)	Cat 6	22.9 (10.4)	**HBLI50CAT6**
White Data Reels with RJ45 Plugs	50 (15.2)	Cat 6	22.9 (10.4)	**HBLI50CAT6W**



HBL16LEDR

Accessories

Description	Amps	Volts AC	Watts (Max)	Weight Lbs. (kg)	Catalog Number
Replacement stop.	—	—	—	.2 (.09)	**HBL16BS**
Replacement LED hand lamp.	0.07	120	8 + 1	1 (.5)	**HBL16LEDR***
Replacement fluorescent hand lamp.	0.3	120	13	1 (.5)	**HBL16FLR**
Replacement incandescent hand lamp.	0.8	125	100	1 (.5)	**HBL16INR**

*Note: *cETLus Listed by INTERTEK.*



HBLC40182LED

Commercial Lighted Cord Reels

Description	Amps	Volts AC	Cable Length Feet (m)	Cable Type	Watts (Max)	Weight Lbs. (kg)	Catalog Number
White Reel with LED hand lamp, with flashlight end.	0.65	125	40 (12.2)	#18/2 SJTOW	8 + 1	8.2 (3.7)	**HBLC40182LED**
White Reel with non-metallic incandescent hand lamp and automatic shut off switch.	0.6	125	25 (7.6)	#16/3 SJT	75	9.0 (4.1)	**HBLC25163AIN****
Yellow Reel with metallic incandescent hand lamp with receptacle.	13	125	25 (7.6)	#14/3 SJT	1,625	9.5 (4.3)	**HBLC25143IN**

*Note: **Allows the electrical cord reel installation to conform to Article 511 of the National Electric Code concerning installation of electrical devices in commercial garages, repair facilities and storage locations by positioning the switch above the defined area where hazardous fumes may collect.*



HBLC25143IN

Dimensions in Inches (mm)

INTERTEK and the Intertek logo are registered trademarks of Intertek Group plc.

Features and Benefits

Commercial Cord Reels

- Durable steel construction for commercial and general purpose applications
- Compact size, flexible mounting options for ceiling, wall or bench
- Automatic ratchet lock holds cord at desired length and provides easy, smooth retraction of cord
- Attached plug for power cord requires no wiring



HBLC25163C



HBLC40123TT

Commercial Cord Reels

- Durable light weight non-metallic housing
- Removable bracket allows reel to be disengaged from mount providing portability
- 40 Ft. of #12/3 cord for greater current carrying capacity
- Triple tap outlet with supplemental over current protection

Commercial Cord Reels

Description	Amps	Volts AC	Cable Length Feet (m)	Cable Type	Watts (Max)	Weight Lbs. (kg)	Catalog Number
Black Reel with triple tap outlet.	15	125	40 (12.2)	#12/3 SJTW	1,875	13.8 (6.3)	**HBLC40123TT**
Black Reel with wire leads.	15	125	40 (12.2)	#12/3 SJTW	1,875	13.8 (6.3)	**HBLC40123**
White Reel with triple tap outlet and white cord.	10	125	30 (9.1)	#16/3 SJT	1,250	8.5 (3.9)	**HBLC30163TT**
White Reel with single connector and white cord.	15	125	20 (6.1)	#14/3 SJT	1,875	8.5 (3.9)	**HBLC20143C**
Yellow Reel with Hubbell HBL5969VBLK connector.	10	125	25 (7.6)	#16/3 SJT	1,250	8.5 (3.9)	**HBLC25163C**
Yellow Reel with wire leads.	10	125	25 (7.6)	#16/3 SJT	1,250	8.5 (3.9)	**HBLC25163****

Note: Reels supplied with 2 ft. power supply cord and molded on straight blade 15A plug.
***UL Listed only.*



HBLC40123TT



HBLC30163TT



HBLC20143C



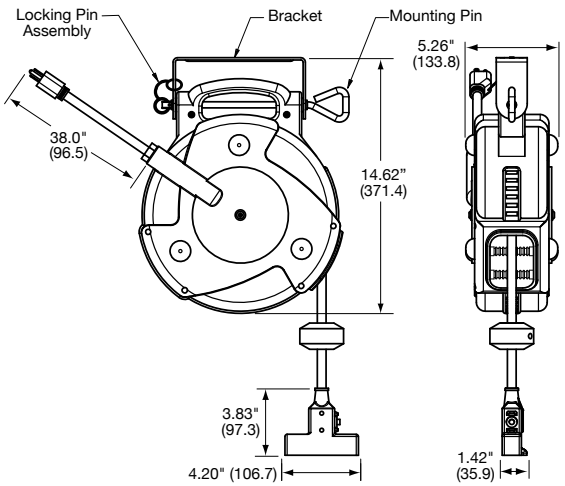
HBLC25163C

Specifications

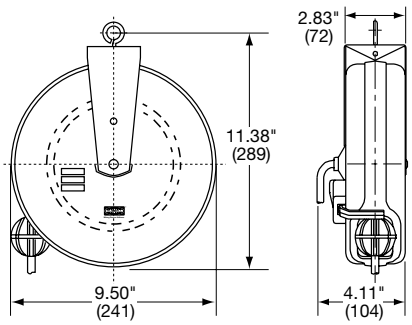
Listing/Certification	UL 355.
Environment	Dry, indoor, non-hazardous locations.
Incandescent Lamp	75 watt max., auto switch, no receptacle; 100 watt max. bulb, with receptacle.
Fluorescent Lamp	10A/1200W max. with in-line receptacle; 13 watt without receptacle.

Dimensions

Triple Tap



All Other Commercial Reels excluding Triple Tap

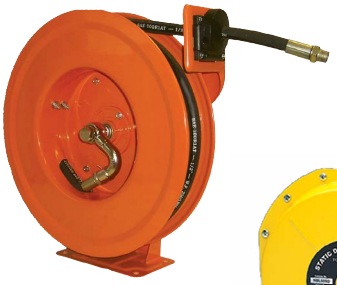


Dimensions in Inches (mm)

Features and Benefits

Air/Water Hose Reels

- Constructed of rugged steel, baked polyester finish components
- Multi-position four roller guide and adjustable hose stop
- Spring rewind and ratchet lock
- Full flow shafts and swivels assure maximum product delivery



HBLHR2535



HBL50SD

Static Discharge Reels

- Steel construction
- Compact design minimizes required installation space
- Available with steel or nylon coated steel cable
- Large grounding jaw clamp provides low resistant ground termination



HBLHR2535



HBL50SD

Air/Water Hose Reels

Description	Cable Length Feet (m)	Max Pressure Psi	Frame Size	Input Hose Fitting (NPTF)	O.D. Inch (mm)	Weight Lbs. (kg)	Catalog Number
Low pressure ¼" ID.	35 (10.7)	300	A	1/4	0.51 (13.0)	24 (10.9)	**HBLHR2535**
	50 (15.2)	300	B	1/4	0.51 (13.0)	26 (11.8)	**HBLHR2550**
Low pressure ⅜" ID.	25 (7.6)	300	A	3/8	0.65 (16.5)	23 (10.4)	**HBLHR3825**
	50 (15.2)	300	C	3/8	0.65 (16.5)	36 (16.3)	**HBLHR3850**
	70 (21.3)	300	E	3/8	0.65 (16.5)	50 (22.7)	**HBLHR3870**
Low pressure ½" ID.	35 (10.7)	300	C	3/8	0.77 (19.6)	38 (17.2)	**HBLHR5035**
	50 (15.2)	300	E	3/8	0.77 (19.6)	44 (20.0)	**HBLHR5050**

Static Discharge Reels

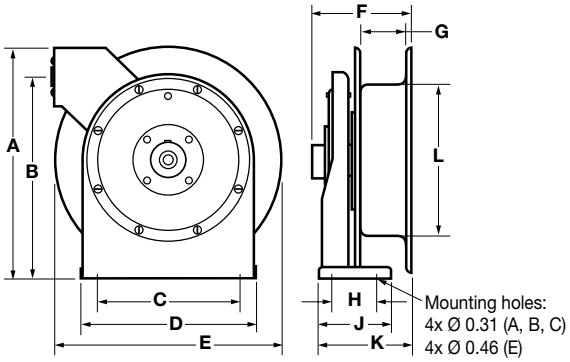
Description	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
Static discharge reel.	50 (15.2)	Single ¾" Steel	12 (5.4)	**HBL50SD**
Static discharge reel.	50 (15.2)	Single 3/32" Steel Nylon Coated	13 (5.9)	**HBL50SDN**
Static discharge reel.	50 (15.2)*	Dual (Y) 3/32" Steel	13 (5.9)	**HBL50YSD**

*Note: *35 ft. (10.6m) + Dual 15 ft. (4.5m) for "Y".*

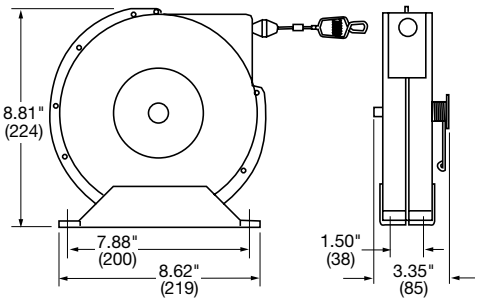
Dimensions

Frame size	A	B	C	D	E	F	G	H	J	K	L	M
A	12.88 (327)	11.25 (286)	8.00 (203)	9.88 (250)	12.13 (308)	5.50 (140)	2.50 (64)	2.50 (64)	4.00 (102)	5.09 (132)	8.38 (213)	—
B	14.50 (368)	12.81 (325)	9.75 (248)	11.25 (285)	13.75 (349)	6.19 (157)	3.16 (80)	2.50 (64)	4.00 (102)	5.88 (149)	8.38 (213)	—
C	17.50 (445)	15.63 (286)	9.75 (248)	11.25 (285)	16.50 (419)	6.19 (157)	3.16 (80)	2.50 (64)	4.00 (102)	5.88 (149)	10.25 (260)	—
E	20.38 (518)	18.12 (460)	7.88 (200)	9.45 (240)	19.00 (483)	6.63 (168)	3.35 (85)	3.86 (98)	5.43 (138)	6.10 (155)	11.00 (280)	9.5 (241)

Air/Water Hose Reels



Static Discharge Reel



Dimensions in Inches (mm)

Features and Benefits

Tool Balancers

ToolAssistPro™

ERGO™ -1
UP TO 5lbs



- Hand-windable spring tension adjustment knob is flush with the housing
- Push-button to easily release spring tension
- Rugged steel upper swivel hook with secondary safety cable provision

ERGO™ -2
UP TO 27lbs



- Rugged steel construction with black polyester baked finish
- Reinforced hanging bracket with forged clevis for ceiling mounting
- Spring is permanently lubricated and adjustable

ERGO™ -3
UP TO 308lbs



- Rugged die cast aluminum housing
- Both top and bottom hooks have spring-loaded safety latches
- Heavy duty steel wire rope

ERGO-1 Light Duty Tool Balancers



Description	Load lbs (kg) Min	Load lbs (kg) Max	Cable Length* Feet (m)	Reel Weight Lbs. (kg)	Catalog Number
Balancer for loads up to 5 lbs	0.5 (0.2)	1.5 (0.7)	6 (1.8)	1.3 (0.6)	**HBLBD01**
	1.5 (0.5)	3.0 (1.4)	6 (1.8)	1.3 (0.6)	**HBLBD03**
	3.0 (1.4)	5.0 (2.3)	6 (1.8)	1.5 (0.7)	**HBLBD05**

**Cable lengths listed are for 'active' or 'working' cable. Includes cable stop and safety hook.*

ERGO-2 Medium Duty Tool Balancers



Description	Ratchet Lock	Load lbs (kg) Min	Load lbs (kg) Max	Cable Length* Feet (m)	Reel Weight Lbs. (kg)	Catalog Number
Balancers (constant pull reels) May be adjusted to balance through 6-18 in. (152 457mm) range.	No	3 (1.4)	7 (3.2)	8 (2.4)	6 (2.7)	**HBLBG03**
		5 (2.3)	10 (4.5)	8 (2.4)	6 (2.7)	**HBLBG07**
		8 (3.6)	12 (5.4)	8 (2.4)	7 (3.2)	**HBLBG10**
		10 (4.5)	15 (6.8)	8 (2.4)	8 (3.6)	**HBLBG15**
		16 (7.2)	23 (10.4)	8 (2.4)	8 (3.6)	**HBLBG20**
		16 (7.2)	23 (10.4)	8 (2.4)	8 (3.6)	**HBLBG20SH****
		22 (9.9)	27 (12.2)	8 (2.4)	8 (3.6)	**HBLBG25**
Retractors (ratchet lock) Retract tool upward when manually released	Yes	3 (1.4)	7 (3.2)	8 (2.4)	6 (2.7)	**HBLBG03L**
		5 (2.3)	10 (4.5)	8 (2.4)	6 (2.7)	**HBLBG07L**
		8 (3.6)	12 (5.4)	8 (2.4)	7 (3.2)	**HBLBG10L**
		10 (4.5)	15 (6.8)	8 (2.4)	8 (3.6)	**HBLBG15L**
		16 (7.2)	23 (10.4)	8 (2.4)	8 (3.6)	**HBLBG20L**
		16 (7.2)	23 (10.4)	8 (2.4)	8 (3.6)	**HBLBG20LSH****
		22 (9.9)	27 (12.2)	8 (2.4)	8 (3.6)	**HBLBG25L**
Torque reels*** (ratchet lock and longer cable)	Yes	3 (1.4)	7 (3.2)	15 (4.5)	8 (3.6)	**HBLTQ1507**
		5 (2.3)	10 (4.5)	15 (4.5)	10 (4.5)	**HBLTQ1510**
		10 (4.5)	15 (6.8)	15 (4.5)	12 (5.4)	**HBLTQ1515**

***Cable lengths listed are for 'active' or 'working' cable. Includes cable stop and safety hook. | **Includes HBLBGSH "Shock Stop." | ***Clevis mount. For rigid mount, add "R" suffix.*

ERGO-3 Heavy Duty Tool Balancers



Description	Load lbs (kg) Min	Load lbs (kg) Max	Cable Length* Feet (m)	Reel Weight Lbs. (kg)	Catalog Number
Heavy-duty balancer for loads up to 308 lbs	1.1 (.05)	4.4 (2.0)	3.3 (1.0)	2.2 (1.0)	**HBLBH02**
	2.2 (1.0)	6.6 (3.0)	4.3 (1.3)	2.8 (1.3)	**HBLBH03**
	5.5 (2.5)	11 (5.0)	4.3 (1.3)	3.3 (1.5)	**HBLBH05**
	9.0 (4.1)	20 (9.1)	3.9 (1.2)	13.4 (6.1)	**HBLBH09**
	20 (9.1)	33 (15.0)	3.9 (1.2)	13.4 (6.1)	**HBLBH15**
	33 (15.0)	48 (21.8)	4.5 (1.4)	22.6 (10.3)	**HBLBH22**
	48 (21.8)	66 (30.0)	4.5 (1.4)	22.6 (10.3)	**HBLBH30**
	66 (30.0)	88 (40.0)	4.5 (1.4)	27.0 (12.2)	**HBLBH40**
	88 (40.0)	110 (50.0)	4.5 (1.4)	27.0 (12.2)	**HBLBH50**
	110 (50.0)	132 (60.0)	4.5 (1.4)	31.4 (14.2)	**HBLBH60**
	132 (60.0)	154 (70.0)	4.5 (1.4)	31.4 (14.2)	**HBLBH70**
	154 (70.0)	187 (85.0)	4.5 (1.4)	58.4 (26.5)	**HBLBH85**
	187 (85.0)	220 (100.0)	4.5 (1.4)	56.0 (25.4)	**HBLBH100**
	220 (100.0)	264 (120.0)	4.5 (1.4)	60.0 (27.2)	**HBLBH120**
	264 (120.0)	308 (140.0)	4.5 (1.4)	61.0 (27.7)	**HBLBH140**

***Load includes hose or cord and other attachements which must be supported by balancer. | **Cable lengths listed are for 'active' or 'working' cable. Includes cable stop and safety hook.*

Dimensions in Inches (mm)

Features and Benefits

Workstation Kits
- Adjustable and customizable to fit virtually any bench and task
- Superior rigidity and durability
- Kits include one WS30 and one WS50 rail

Accessories
- Most components which make up kits are available separately
- Can be installed easily on fixed or portable workstation kits

ToolAssistPro™



Straight Tool Rail Kits

Description	Length ft (m)		Catalog Number
Straight rail bench top kit. Best mounted to butcher block tops. Straight rail	6.0 (1.8)	5.0 (1.5)	**HBLWGB030560**
table top kit. Table brackets predrilled to fit Equipto and Lyon steel tops.	6.0 (1.8)	5.0 (1.5)	**HBLWKB030560**



Power Bars

Description	Catalog Number
60 in. power bar with 60 in. mounting bar	**HBLWPB505A**



Manifold with Brackets

Description	Width ft (m)	# of Taps	Catalog Number
Mounts to vertical columns or top rails on workstations	5 (1.5)	5	**HBLWMAN05C**



Balancer Trolleys

Description	Catalog Number
Balancer trolley	**HBLWS50BTL**
Single roller balancer trolley	**HBLWS50BTS**



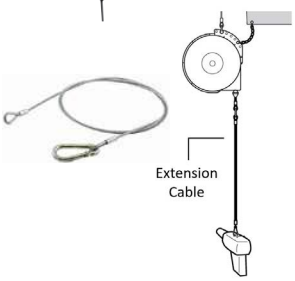
Adjustable Cable Saddle

Description	Load lbs (kg) Min	Max	Catalog Number
Hangs from balancer cable above tool to provide strain relief for electrical cable or air hose. Available in three sizes. Includes safety clip.	0.3 (7)	0.59 (14)	**HBLCSF1**
	0.6 (15)	0.94 (23)	**HBLCSF2**
	0.95 (24)	1.25 (31)	**HBLCSF3**



"Shock Stop" Shock Absorber

Description	Catalog Number
Minimize cable damage often caused by overtensioning tool balancers. "Shock Stop" kit is easily installed. Can be used on ERGO-2 balancer. Kit includes spring, cable stops, all hardware.	**HBLBGSH**



Extension Cable

Description	Length ft (m)	Catalog Number
Nylon covered steel cable with safety clip. Extends the cable length of ERGO-1 and ERGO-2 Tool Balancers.	3 (0.9)	**HBLOC03**
	5 (1.5)	**HBLOC05**
	10 (3.0)	**HBLOC10**
	15 (4.6)	**HBLOC15**



Safety Cable/Chain

Description	For use with	Length ft (m)	Catalog Number
Strongly recommended, secondary steel cable or steel link chain. Prevents balancer from accidental fall. Balancers have extra holes for cable or chain.	HBLBD01-05	1 (0.3)	**HBLSCBD1***
	HBLBG03-25	1 (0.3)	**HBLSCBG1****
	HBLBG03L-25L	2 (0.6)	**HBLSCBG2****
	HBLTQ1057-15	3 (0.9)	**HBLSCBG3****
	HBLBH03-30		
	HBLBH40-140	3 (0.9)	**HBLSCBH3****

Dimensions in Inches (mm)

SECTION K

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Extra Heavy Duty Industrial GFCIs



Heavy Duty Commercial GFCIs



Portable GFCI Products



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Ground Fault Products

Features and Benefits

AUTOGUARD® Self Test Technology 1st introduced by Hubbell Over 10 Years Ago!
Self Test Monitoring Now Required in 2015 UL943 GFCI Safety Standad.

Hubbell Self Test GFCI Patented Technology

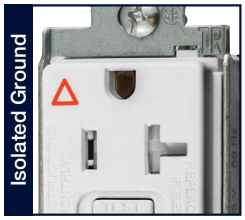
Hubbell AUTOGUARD® GFCI receptacles continually test and monitor for "people protection capability" automatically. This patented safety feature includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost. GFCI auto-monitoring is conducted continuously within every 30 seconds.

Also, clear visual indicators are provided on the device face representing power status, trip condition, ground fault condition and end of life status. In addition, for added safety, power will be denied to the receptacle face if reverse wiring of line and load was to occur.

UL (Underwriters Laboratory) now requires all manufacturers to provide self test monitoring capability effective June 29, 2015. When was the last time you tested a GFCI receptacle? Industry studies indicate only a very small number of installations are actually being tested as is recommended by the manufacturer and UL. This is the fundamental reason this revision has been incorporated into UL943 standard for 2015.

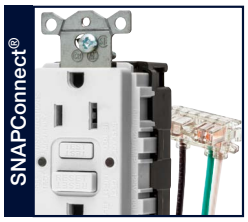
Each GFR must automatically monitor GFCI functionality periodically	If the unit can no longer provide GFCI protection, it must comply with the following	Reverse line and load miswire function – (repeated)
Automatically test within (5) seconds of power to line and load terminals; periodically means every (3) hours or less.	Deny Power (trip with the inability to reset); if unit does reset it is subject to the next auto-monitoring test cycle. Visual and/or audible indication that it no longer can provide protection.	If the line conductor is wired to the load terminal, power to the receptacle face will be denied. This includes both the initial installation and any subsequent reinstallations.



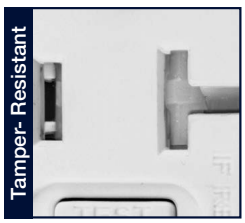
















Features and Benefits

- **Patented AUTOGUARD® Technology** — Continuous Self Test functionality and disconnects power to receptacle if critical components are damaged and GFCI protection is lost
- **Federal Communications Commission Part 15** — Compliant for radiated and conducted emissions
- **Thermoplastic Nylon Housing** — High Impact and Ultraviolet Resistant construction provides resilience in harsh environments
- **Clear Visual Indication of GFR Status** — LED Indicating Lights:
  - Green LED (power to the device)
  - Red LED (trip condition/ground fault condition)
  - Flashing Red LED (end of life)
- **Internal Back Wiring Clamp and Guide Pocket** — Quick and dependable termination
- **Protection Against Line and Load Reversal** — No power to the face or downstream receptacles if device is miswired
- **Installation Ease, Lower Labor Cost** — With auto-grounding clip, captive mounting screws and single tab "breakoff" ears and full "breakoff" for OEM raised covers
- **Night Light Option** — Light sensor controls for automatic "ON/OFF" and custom dual lens for optimum light output

Features and Benefits



Extra Heavy Duty Industrial and Hospital Grade GFCI Receptacles Tamper-Resistant and Weather Resistant

- Corrosion resistant construction includes nickel plated brass mounting strap, line/load terminals, face contacts, internal contacts and wiring terminal clamps; stainless steel terminal and mounting screws
- Selective double layer conformal coating of printed circuit board, critical components and connections
- Superior materials including polyester “V0” thermoplastic housing (UV Resistant); 7025 high thermal conductivity copper alloy contacts
- Dust Test (UL 943) compliant; resistance to contaminants, moisture and dust



AUTOGUARD® Self Test GFCI Receptacles Tamper-Resistant and Weather Resistant

Description	Rating	Color	Industrial	Industrial Hospital Grade
Extra Heavy Duty Industrial Ground Fault Receptacle 15A 125V Feed Through Tamper and Weather Resistant	15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	**GFSG5262BLK**	**GFSG8200BLK**
		Brown	**GFSG5262**	**GFSG8200**
		Gray	**GFSG5262GRY**	**GFSG8200GRY**
		Ivory	**GFSG5262I**	**GFSG8200I**
		Red	**GFSG5262R**	**GFSG8200R**
		White	**GFSG5262W**	**GFSG8200W**
Extra Heavy Duty Industrial Ground Fault Receptacle 20A 125V Feed Through Tamper and Weather Resistant	20A 125V NEMA 5-20R UL CSA 1 HP	Black	**GFSG5362BLK**	**GFSG8300BLK**
		Brown	**GFSG5362**	**GFSG8300**
		Gray	**GFSG5362GRY**	**GFSG8300GRY**
		Ivory	**GFSG5362I**	**GFSG8300I**
		Red	**GFSG5362R**	**GFSG8300R**
		White	**GFSG5362W**	**GFSG8300W**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color thermoplastic wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feed-through capability. Note – yellow version comes with SS plate only
See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

GFCI Receptacle Specifications per GFCI Products Listed (Pages K-3 to K-8)

Trip Level	4 to 6 mA.
Trip Time	.025 second nominal.
Frequency	60 Hz.
Voltage	120V AC +10% - 15% (102V to 132V).
Amperage	15A/20A, 20A Feed-Thru.
Maximum Interrupting Capacity	10,000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Dust Resistant	Meets UL 943, section 6.20 for resistance to dust contaminants
Corrosion Resistant	Meets UL 943, section 6.21 for resistance to corrosion
FCC Part 15 Class B	Certified conformance to radiated and conducted emission testing per FCC
Immunity to noise	Exceed UL 943 of .5V over a frequency range of 150kHz to 230MHz disturbances
Listings and Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978 CSA Certified.
Codes	Meets all NEC® and CEC requirements. NEMA WD-6 ANSI 73.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Features and Benefits

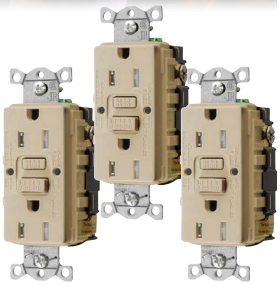
Heavy Duty Commercial Tamper-Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Compliant with NEC® 406.12 and NEC® 517.18(C)
- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Alarm version provides audible notification of a trip condition
- Thermoplastic wall plate included









Tamper-Resistant

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Combination Switch 15A 120V Switch	Standard 3-Pack Three Devices per Pack
15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	GFTRST15BK	GFTRST15BKNL	GFTRST15BKB	—	—
	Brown	GFTRST15	GFTRST15NL	GFTRST15B	—	—
	Gray	GFTRST15GY	GFTRST15GYNL	GFTRST15GYB	—	—
	Ivory	GFTRST15I	GFTRST15INL	GFTRST15IB	GFSPST15I	GFTRST15I3
	Light Almond	GFTRST15LA	GFTRST15LANL	GFTRST15LAB	GFSPST15LA	GFTRST15LA3
	Red	GFTRST15R	GFTRST15RNL	GFTRST15RB	—	—
	White	GFTRST15W	GFTRST15WNL	GFTRST15WB	GFSPST15W	GFTRST15W3
20A 125V NEMA 5-20R UL CSA 1 HP	Black	GFTRST20BK	GFTRST20BKNL	GFTRST20BKB	—	—
	Brown	GFTRST20	GFTRST20NL	GFTRST20B	—	—
	Gray	GFTRST20GY	GFTRST20GYNL	GFTRST20GYB	—	—
	Ivory	GFTRST20I	GFTRST20INL	GFTRST20IB	—	GFTRST20I3
	Light Almond	GFTRST20LA	GFTRST20LANL	GFTRST20LAB	—	GFTRST20LA3
	Red	GFTRST20R	GFTRST20RNL	GFTRST20RB	—	—
	White	GFTRST20W	GFTRST20WNL	GFTRST20WB	—	GFTRST20W3

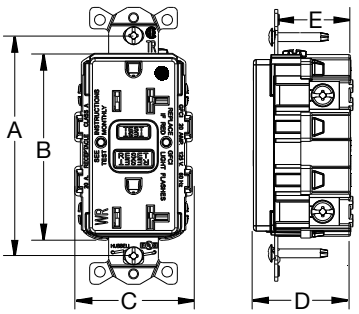



Hospital Grade ● Tamper-Resistant

Rating	Color	Night Light Two LED Night Lights	Alarm
15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	GFTRST82BKNL	GFTRST82BKB
	Brown	GFTRST82NL	GFTRST82B
	Gray	GFTRST82GYNL	GFTRST82GYB
	Ivory	GFTRST82INL	GFTRST82IB
	Light Almond	GFTRST82LANL	GFTRST82LAB
	Red	GFTRST82RNL	GFTRST82RB
	White	GFTRST82WNL	GFTRST82WB
20A 125V NEMA 5-20R UL CSA 1 HP	Black	GFTRST83BKNL	GFTRST83BKB
	Brown	GFTRST83NL	GFTRST83B
	Gray	GFTRST83GYNL	GFTRST83GYB
	Ivory	GFTRST83INL	GFTRST83IB
	Light Almond	GFTRST83LANL	GFTRST83LAB
	Red	GFTRST83RNL	GFTRST83RB
	White	GFTRST83WNL	GFTRST83WB

Product Dimensions

GFCI Receptacle	
A	3.27 (83.1)
B	2.75 (69.8)
C	1.75 (44.5)
D	1.47 (37.4)
E	1.10 (27.9)



Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

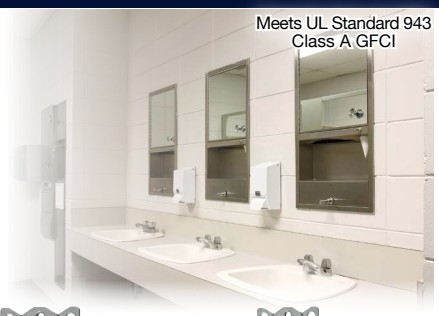
Dimensions in Inches (mm)

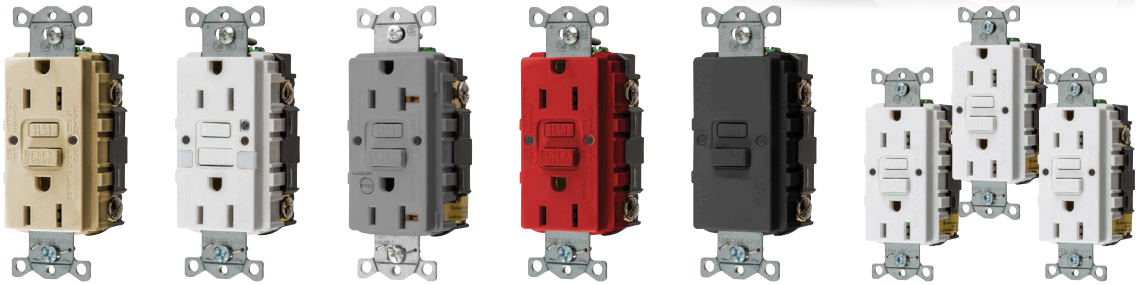
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Features and Benefits

Heavy Duty Commercial Standard GFCI Receptacles

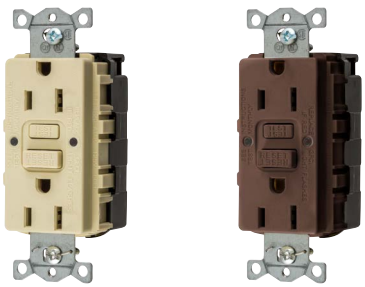
- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output





Standard

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Assembled in USA	Blank Face Available in 20A Only	Standard 3-Pack Three Devices per Pack
15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	GFRST15BK	GFRST15BKNL	GFRST15BKB	GFRST15BKU	—	—
	Brown	GFRST15	GFRST15NL	GFRST15B	GFRST15U	—	—
	Gray	GFRST15GY	GFRST15GYNL	GFRST15GYB	GFRST15GYU	—	—
	Ivory	GFRST15I	GFRST15INL	GFRST15IB	GFRST15IU	—	GFRST15I3
	Light Almond	GFRST15LA	GFRST15LANL	GFRST15LAB	GFRST15LAU	—	GFRST15LA3
	Red	GFRST15R	GFRST15RNL	GFRST15RB	GFRST15RU	—	—
	White	GFRST15W	GFRST15WNL	GFRST15WB	GFRST15WU	—	GFRST15W3
20A 125V NEMA 5-20R UL CSA 1 HP	Black	GFRST20BK	GFRST20BKNL	GFRST20BKB	GFRST20BKU	GFBFST20BK	—
	Brown	GFRST20	GFRST20NL	GFRST20B	GFRST20U	GFBFST20	—
	Gray	GFRST20GY	GFRST20GYNL	GFRST20GYB	GFRST20GYU	GFBFST20GY	—
	Ivory	GFRST20I	GFRST20INL	GFRST20IB	GFRST20IU	GFBFST20I	GFRST20I3
	Light Almond	GFRST20LA	GFRST20LANL	GFRST20LAB	GFRST20LAU	GFBFST20LA	GFRST20LA3
	Red	GFRST20R	GFRST20RNL	GFRST20RB	GFRST20RU	GFBFST20R	—
	White	GFRST20W	GFRST20WNL	GFRST20WB	GFRST20WU	GFBFST20W	GFRST20W3



Standard SNAP*Connect*®

Rating	Color	Standard	Assembled in USA
15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	GFRST15SNAPBK	GFRST15SNAPBKNA
	Brown	GFRST15SNAP	GFRST15SNAPNA
	Gray	GFRST15SNAPGY	GFRST15SNAPGYNA
	Ivory	GFRST15SNAPI	GFRST15SNAPINA
	Light Almond	GFRST15SNAPLA	GFRST15SNAPLANA
	Red	GFRST15SNAPR	GFRST15SNAPRNA
	White	GFRST15SNAPW	GFRST15SNAPWNA
20A 125V NEMA 5-20R UL CSA 1 HP	Black	GFRST20SNAPBK	GFRST20SNAPBKNA
	Brown	GFRST20SNAP	GFRST20SNAPNA
	Gray	GFRST20SNAPGY	GFRST20SNAPGYNA
	Ivory	GFRST20SNAPI	GFRST20SNAPINA
	Light Almond	GFRST20SNAPLA	GFRST20SNAPLANA
	Red	GFRST20SNAPR	GFRST20SNAPRNA
	White	GFRST20SNAPW	GFRST20SNAPWNA



SNAP*Connect*® Right Angle Pigtailed Terminal

Description	Type	Catalog Number
Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.	Solid	SNAP1RA
	Stranded	SNAP2RA
Same as above. Assembled in USA.	Solid	SNAP1RNA
	Stranded	SNAP2RNA
Clear right angle terminal with 6 inch leads #12 AWG THHN/ THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	SNAP1RAM2
	Stranded	SNAP2RAM2
Same as above. Assembled in USA.	Solid	SNAP1RNAM2
	Stranded	SNAP2RNAM2

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

Features and Benefits

Heavy Duty Commercial Standard Hospital Grade GFCI Receptacles

- Fed. Spec UL Listed, Hospital Grade
- Green power indicator and red trip indicator
- Patented AUTOGUARD® self test technology
- Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple








Hospital Grade ●

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Assembled in USA
15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	**GFR82BLK**	**GFRST82BKNL**	**GFRST82BKB**	**GFRST82BKU**
	Brown	**GFR82**	**GFRST82NL**	**GFRST82B**	**GFRST82U**
	Gray	**GFR82GRY**	**GFRST82GYNL**	**GFRST82GYB**	**GFRST82GYU**
	Ivory	**GFR82I**	**GFRST82INL**	**GFRST82IB**	**GFRST82IU**
	Light Almond	**GFR82LA**	**GFRST82LANL**	**GFRST82LAB**	**GFRST82LAU**
	Red	**GFR82R**	**GFRST82RNL**	**GFRST82RB**	**GFRST82RU**
	White	**GFR82W**	**GFRST82WNL**	**GFRST82WB**	**GFRST82WU**
20A 125V NEMA 5-20R UL CSA 1 HP	Black	**GFR83BLK**	**GFRST83BKNL**	**GFRST83BKB**	**GFRST83BKU**
	Brown	**GFR83**	**GFRST83NL**	**GFRST83B**	**GFRST83U**
	Gray	**GFR83GRY**	**GFRST83GYNL**	**GFRST83GYB**	**GFRST83GYU**
	Ivory	**GFR83I**	**GFRST83INL**	**GFRST83IB**	**GFRST83IU**
	Light Almond	**GFR83LA**	**GFRST83LANL**	**GFRST83LAB**	**GFRST83LAU**
	Red	**GFR83R**	**GFRST83RNL**	**GFRST83RB**	**GFRST83RU**
	White	**GFR83W**	**GFRST83WNL**	**GFRST83WB**	**GFRST83WU**



Hospital Grade ● SNAP*Connect*®

Rating	Color	Standard
15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	—
	Brown	—
	Gray	—
	Ivory	**SNAPGF82I**
	Light Almond	**SNAPGF82LA**
	Red	**SNAPGF82R**
	White	**SNAPGF82W**
20A 125V NEMA 5-20R UL CSA 1 HP	Black	**SNAPGF83BLK**
	Brown	**SNAPGF83**
	Gray	**SNAPGF83GRY**
	Ivory	**SNAPGF83I**
	Light Almond	**SNAPGF83LA**
	Red	**SNAPGF83R**
	White	**SNAPGF83W**



SNAP*Connect*® Right Angle Pigtailed Terminal

Description	Type	Catalog Number
Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.	Solid	**SNAP1RA**
	Stranded	**SNAP2RA**
Same as above. Assembled in USA.	Solid	**SNAP1RNA**
	Stranded	**SNAP2RNA**
Clear right angle terminal with 6 inch leads #12 AWG THHN/ THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	**SNAP1RAM2**
	Stranded	**SNAP2RAM2**
Same as above. Assembled in USA.	Solid	**SNAP1RNAM2**
	Stranded	**SNAP2RNAM2**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

Features and Benefits

Heavy Duty Commercial Tamper and Weather Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Meets NEC® requirements for TR (406.12) and WR (406.9), UV and corrosion resistance for harsh and damp applications
- Patented AUTOGUARD® self test technology
- Protects against line and load reversal, no power to the face or downstream if device is miswired









Tamper-Resistant Weather Resistant

Rating	Color	Standard	Assembled in USA	Isolated Ground	SNAPConnect®	Right Angle Pigtailed Terminal	
15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	GFTWRST15BK	GFTWRST15BKU	GFTWRST15BKIG	GFTWRST15SNAPBK	Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.	
	Brown	GFTWRST15	GFTWRST15U	GFTWRST15IG	GFTWRST15SNAP		
	Gray	GFTWRST15GY	GFTWRST15GYU	GFTWRST15GYIG	GFTWRST15SNAPGY		
	Ivory	GFTWRST15I	GFTWRST15IU	GFTWRST15IIG	GFTWRST15SNAPI		
	Light Almond	GFTWRST15LA	GFTWRST15LAU	GFTWRST15LAIG	GFTWRST15SNAPLA		
	Orange	—	—	GFTWRST15ORIG	—		
	Red	GFTWRST15R	GFTWRST15RU	GFTWRST15RIG	GFTWRST15SNAPR	Solid	SNAP1RA
	White	GFTWRST15W	GFTWRST15WU	GFTWRST15WIG	GFTWRST15SNAPW	Stranded	SNAP2RA
20A 125V NEMA 5-20R UL CSA 1 HP	Black	GFTWRST20BK	GFTWRST20BKU	GFTWRST20BKIG	GFTWRST20SNAPBK	Same as above. Assembled in USA.	
	Brown	GFTWRST20	GFTWRST20U	GFTWRST20IG	GFTWRST20SNAP		
	Gray	GFTWRST20GY	GFTWRST20GYU	GFTWRST20GYIG	GFTWRST20SNAPGY		
	Ivory	GFTWRST20I	GFTWRST20IU	GFTWRST20IIG	GFTWRST20SNAPI		
	Light Almond	GFTWRST20LA	GFTWRST20LAU	GFTWRST20LAIG	GFTWRST20SNAPLA		
	Orange	—	—	GFTWRST20ORIG	—		
	Red	GFTWRST20R	GFTWRST20RU	GFTWRST20RIG	GFTWRST20SNAPR	Solid	SNAP1RNA
	White	GFTWRST20W	GFTWRST20WU	GFTWRST20WIG	GFTWRST20SNAPW	Stranded	SNAP2RNA







Hospital Grade ● Tamper-Resistant Weather Resistant

Rating	Color	Standard	Assembled in USA	Isolated Ground	SNAPConnect®	Right Angle Pigtailed Terminal	
15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	GFRTW82BLK	GFTWRST82BKU	GFTWRST82BKIG	—	Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.	
	Brown	GFRTW82	GFTWRST82U	GFTWRST82IG	—		
	Gray	GFRTW82GRY	GFTWRST82GYU	GFTWRST82GYIG	SNAPGFTW82GRY		
	Ivory	GFRTW82I	GFTWRST82IU	GFTWRST82IIG	SNAPGFTW82I		
	Light Almond	GFRTW82LA	GFTWRST82LAU	GFTWRST82LAIG	SNAPGFTW82LA		
	Orange	—	—	GFTWRST82ORIG	—		
	Red	GFRTW82R	GFTWRST82RU	GFTWRST82RIG	SNAPGFTW82R	Solid	SNAP1RA
	White	GFRTW82W	GFTWRST82WU	GFTWRST82WIG	SNAPGFTW82W	Stranded	SNAP2RA
20A 125V NEMA 5-20R UL CSA 1 HP	Black	GFRTW83BLK	GFTWRST83BKU	GFTWRST83BKIG	SNAPGFTW83BLK	Same as above. Assembled in USA.	
	Brown	GFRTW83	GFTWRST83U	GFTWRST83IG	SNAPGFTW83		
	Gray	GFRTW83GRY	GFTWRST83GYU	GFTWRST83GYIG	SNAPGFTW83GRY		
	Ivory	GFRTW83I	GFTWRST83IU	GFTWRST83IIG	SNAPGFTW83I		
	Light Almond	GFRTW83LA	GFTWRST83LAU	GFTWRST83LAIG	SNAPGFTW83LA		
	Orange	—	—	GFTWRST83ORIG	—		
	Red	GFRTW83R	GFTWRST83RU	GFTWRST83RIG	SNAPGFTW83R	Solid	SNAP1RNA
	White	GFRTW83W	GFTWRST83WU	GFTWRST83WIG	SNAPGFTW83W	Stranded	SNAP2RNA

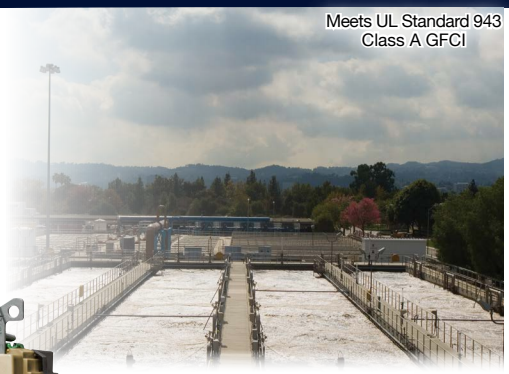
Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

Ground Fault Products

Features and Benefits

Heavy Duty Commercial Weather Resistant GFCI Receptacles

- Patented AUTOGUARD® self test technology
- Meets NEC® requirements for weather resistance (406.9), UV and corrosion resistance for harsh and damp applications
- Protects against line and load reversal, no power to the face or downstream if device is miswired







Weather Resistant

Rating	Color	Standard	Rating	Color	Standard
15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	**GFWRST15BK**	20A 125V NEMA 5-20R UL CSA 1 HP	Black	**GFWRST20BK**
	Brown	**GFWRST15**		Brown	**GFWRST20**
	Gray	**GFWRST15GY**		Gray	**GFWRST20GY**
	Ivory	**GFWRST15I**		Ivory	**GFWRST20I**
	Light Almond	**GFWRST15LA**		Light Almond	**GFWRST20LA**
	Red	**GFWRST15R**		Red	**GFWRST20R**
	White	**GFWRST15W**		White	**GFWRST20W**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

Features and Benefits

UL 508 1.5HP GFCI Receptacles

Hubbell AUTOGUARD® GFR products continually test and monitor for "people protection capability" automatically. This patented safety feature includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost. Also, visual indicators are clearly provided on the device face representing "power status", "trip condition", "ground fault condition" and "end of life status".

- Blank face 1.5 horsepower motor control rated switch UL508 listed. Also listed to Underwriters Laboratories standard 943 for Class A GFCI
- If wired incorrectly there will be no power to the face or to downstream receptacles for added safety. (2) LED indicators provide immediate status of power, trip condition and ability to provide GFCI protection
- In addition to providing Class A GFCI protection, the HP series includes a 1.5 HP rating for motor control switching per UL508



GFBFHP20GY

UL 508 1.5HP GFCI

Rating	Color	Standard
20A 125V 1.5 HP	Black	**GFBFHP20BK**
	Brown	**GFBFHP20**
	Gray	**GFBFHP20GY**
	Ivory	**GFBFHP20I**
	Light Almond	**GFBFHP20LA**
	Red	**GFBFHP20R**
	White	**GFBFHP20W**



Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Fed.Spec.

Meets UL Standard 943
Class A GFCI

Features and Benefits

Heavy Duty SNAPConnect® Commercial Grade GFCI Receptacles

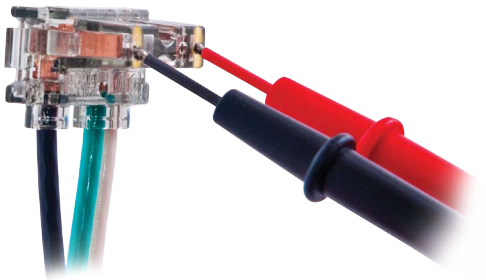
Requires minimal box space
- Compact size
- Clean finished look

Installation ease
- Self-grounding staple

Audible SNAP, indicates solid connection
- Secure, easy grip latch

Inspection of power contacts
- Clear terminal housing
- No exposed metal





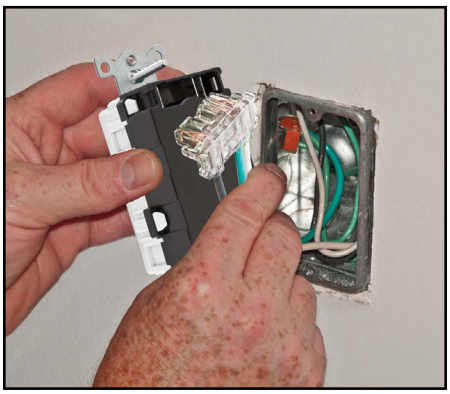
No Special Tester Required
.085 inch keyhole accepts the probe points found on the most common voltage testers and digital multi-meters

Labor Savings Feature!



Save one Minute!

Rough-in the SNAP*Connect*® terminal instead of pigtails.



Save Over Three Minutes!

Remove protective packaging and SNAP*Connect*® device to the circuit.



Complete Trim-Out in Less Than One Minute!

Secure mounting screws, attach wallplate, job complete.

Features and Benefits

Arc Fault AFCI Receptacles

- Meets new 2017 National Electric Code for AFCI Protection
- Qualified to Federal Specification Listing WC596
- Meets or exceeds UL requirements for tripping time on series and parallel arcs
- Tamper-Resistant and self grounding construction are standard features
- Green power ON LED indicator
- Automatically tests the AFCI each time the reset button is pressed in place
- No reset when tested if AFCI functionality is compromised









Arc Fault AFCI Receptacles

Rating	Color	Standard	Rating	Color	Standard	Blank Face
 15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	**AFR15TRBK**	 20A 125V NEMA 5-20R UL CSA 1 HP	Black	**AFR20TRBK**	—
	Brown	**AFR15TR**		Brown	**AFR20TR**	—
	Gray	**AFR15TRGY**		Gray	**AFR20TRGY**	—
	Ivory	**AFR15TRI**		Ivory	**AFR20TRI**	**AFR20BFI**
	Light Almond	**AFR15TRLA**		Light Almond	**AFR20TRLA**	**AFR20BFW**
	White	**AFR15TRW**		White	**AFR20TRW**	—

Specifications

Ratings

Amperage	15 Amp/20 Amp
Feed-thru	20 Amp Protection
Voltage	120V AC (+10% to15%) (102V to 132V)
Horsepower	(1) @ Rated Voltage
Flammability	Rated V2 per UL 94
Operating Temperature	(-35°C to 66°C) or (-30°F to 150°F)

Certifications

UL1699A	E366570
UL498	Receptacle
UL Fed Spec	WC-596
CSA Standard	C22.2 No. 42
CSA Tech	Letter No. M-02A
NEMA	WD-6

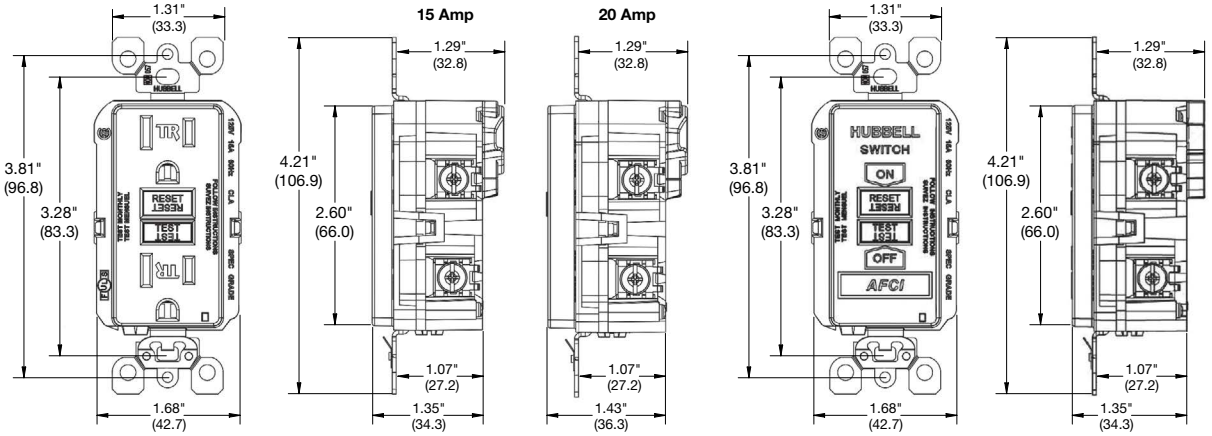
Tamper-Resistant
NEC® 406.12; 210.52 – All 15 and 20A 125V, receptacles shall be listed Tamper-Resistant for dwelling installations.

Construction

Termination	Back and Side
Terminal	#14-10 AWG
Grounding	Self-Grounding Clip
Indicators	Power & Rev Wire
Configuration	2 Pole, 3 Wire
NEMA	5-15R, 5-20R

Note: The Hubbell "AFR" series meets all requirements for an outlet branch-circuit type AFCI; protects branch circuit wiring and extensions to branches such including appliances and cord sets. All GFCI receptacles are furnished with a matching color thermoplastic wallplate.

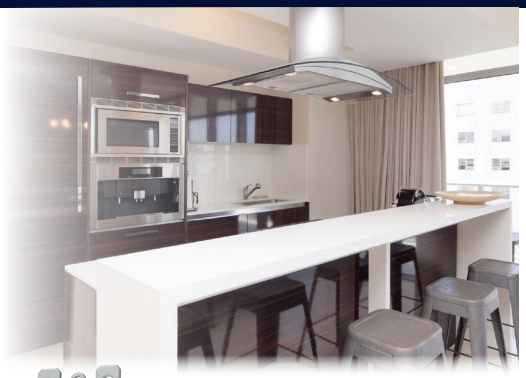
Product Dimensions



Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Features and Benefits



Dual Function AFCI/GFCI Receptacles

- Cost effective solution conveniently located within living space; clearly visible, easily resettable if necessary
- Dual functionality, interrupts power if a ground fault or arc fault is detected
- Safety feature prevents device from resetting if it can no longer provide protection or is reverse wired
- Intuitive visual indication is provided for power (LED green ON); trip condition (LED green OFF)
- Clear indication if unit can no longer provide protection (LED red flashes) and will not reset





Dual Function AFCI/GFCI Receptacles

Rating	Color	Standard	Rating	Color	Standard
 15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	**AFGF15TRBK**	 20A 125V NEMA 5-20R UL CSA 1 HP	Black	**AFGF20TRBK**
	Brown	**AFGF15TR**		Brown	**AFGF20TR**
	Gray	**AFGF15TRGY**		Gray	**AFGF20TRGY**
	Ivory	**AFGF15TRI**		Ivory	**AFGF20TRI**
	Light Almond	**AFGF15TRLA**		Light Almond	**AFGF20TRLA**
	White	**AFGF15TRW**		White	**AFGF20TRW**

Specifications

Ratings

Amperage	15 Amp/20 Amp
Feed-thru	20 Amp Protection
Voltage	120V AC (+10% to -15%) (102V to 132V)
Horsepower	(1) @ 120V AC
Flammability	Rated V2 per UL 94
Operating Temperature	(-35°C to 66°C) or (-30°F to 150°F)

Certifications

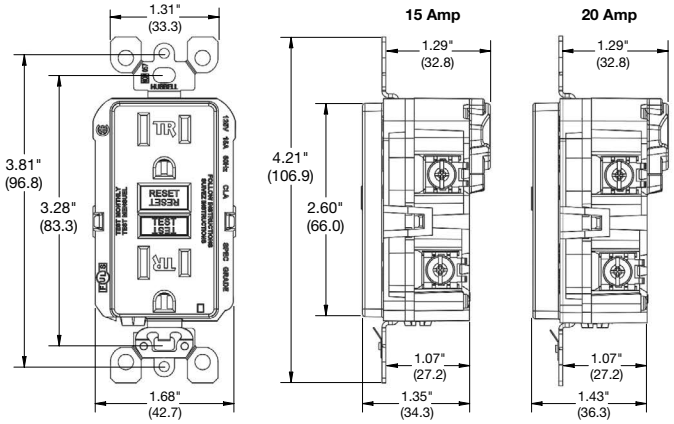
UL1699A	E485931
UL498	Receptacle
UL943	GFCI
UL Fed Spec	WC-596
CSA Standard	C22.2 No. 42
CSA Tech	Letter No. M-02A
NEMA	WD-6

Construction

Termination	Back and Side
Terminal	#14-10 AWG
Grounding	Autoground Clip
Indicators	Power, Trip, End of Life
Configuration	2 Pole, 3 Wire
NEMA	5-15R, 5-20R

Note: All Hubbell "AFGF" series GFCI receptacles are furnished with a matching color thermoplastic wallplate.

Product Dimensions



Dimensions in Inches (mm)

NEMA Type 4X

Typical Applications Include:

Power Generators, Spas, High Pressure Washers, Power Centers, Refineries and Mobile Power.






The sensing module functions interdependently with a magnetic branch circuit breaker. The module monitors the electrical circuit by use of an external differential current transformer. No direct load is present at the module. In the event of a ground fault, the load is interrupted by way of the hydraulic magnetic circuit breaker utilizing a shunt trip coil.

This line of Sensing Modules is rated from 1 to 50 Amps and circuit current-carrying conductors from 1 to 3 poles.

Product is available with an automatic or manual “safe start” reset feature. The enclosure, when mounted with the supplied gasket, achieves a UL NEMA Type 4X Rating. This module and breaker system is ideal for portable generator integration protecting all outlets on a generator. This system meets the proposed requirements for generators Underwriters Laboratory Standard 2201. UL/cUL 943 Listed, Class A 4-6mA trip level and UL1053 Compliant.



GFSMST120A



GFSMCB120401P

GFCI Sensing Module, 50A Maximum

Description	Catalog Number
120V AC Sensing Module Auto	**GFSMST120A**

GFCI Sensing Module Circuit Breakers

Catalog Number Configurator

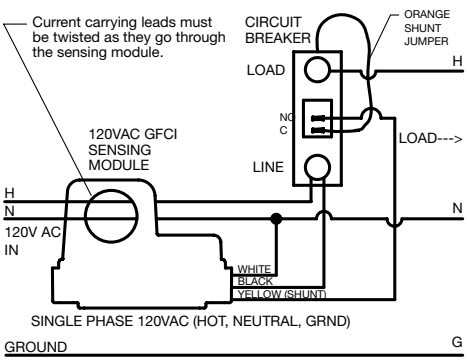
Ground Fault Sensing Module Circuit Breaker	A/C Voltage	Amperage	Number of Poles	Sensing Module Required
GFSMCB	120	1 to 50	1	**GFSMST120A**
	120		2	
	120/240		2	
	120/240		3	

Example Catalog Numbers: **GFSMCB120401P:** 120V, 40A, 1 Pole
GFSMCB120240203P: 120/240V, 20A, 3 Pole

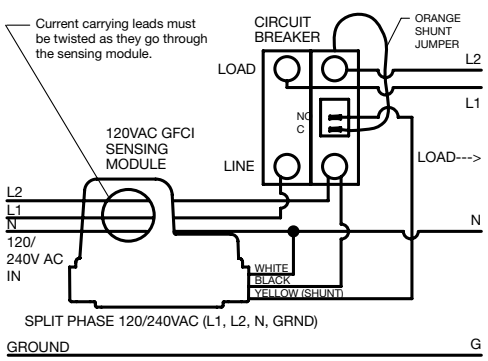
Note: Voltage tolerance +10% / -15%.
Consult factory for other available configurations.

Wiring Schematics

GFSMCB120xx1P



GFSMCB120240xx3P



Dimensions in Inches (mm)

Circuit Guard® Wired On Industrial Portable GFCI Plug

Description	Rating	Catalog Number
GFCI plug, manual set, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFPST5266C**
GFCI plug, manual set, yellow.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFPST5266CY**
GFCI plug with 1 foot line cord, manual set, yellow, with connector body.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P, NEMA 5-15R.	**GFPST1C**



GFPST5266C

Circuit Guard® Wired On Commercial Portable GFCI Plug

Description	Rating	Catalog Number
GFCI plug, automatic set field wireable, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP515A**
GFCI plug, manual set field wireable, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	**GFP515M**



GFPST1C

Specifications

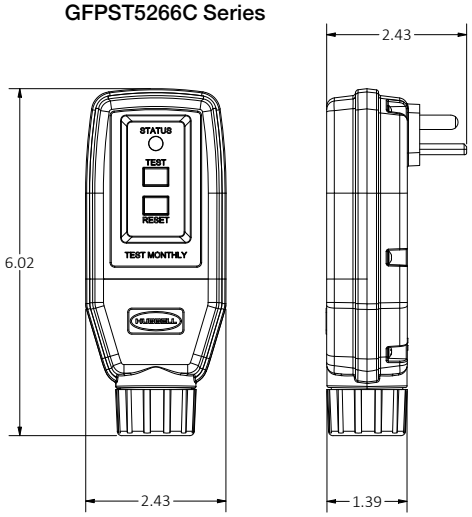
Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120V AC +10% – 15%. Incorporates no voltage release feature.
Amperage	15A.
Maximum Interrupting Capacity	2,000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Housing	High-impact, UV stabilized material. UL94V-0 flammability classification.
Input	NEMA 5-15P.
Cord Range	16/3 – 12/3 Type SJ, 18/3 – 12/3 Type S.
Cord Type: Length (GFP1C)	14/3 Type SJTW-A (UL), SJTW (CSA); 1 foot; NEMA 5-15R.
Power “ON” Indication	Indicator light.
Listings	Meets UL943 Class A Listed, CSA Certified.
Codes	Meets all NEC® and CEC requirements.



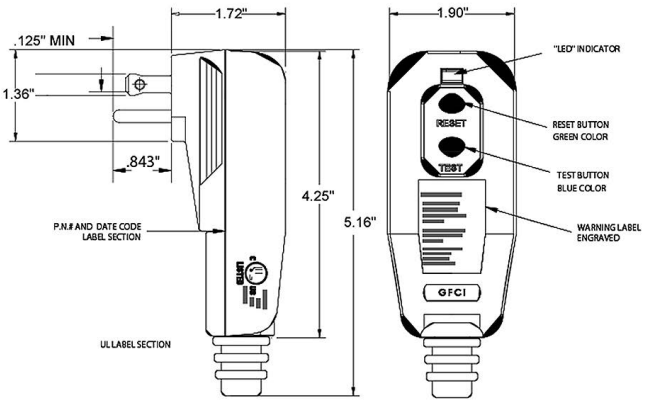
GFP515A

Product Dimensions

GFPST5266C Series



GFP515 Series



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Features and Benefits

Circuit Guard® Portable GFCI Line Cords

Portable GFCI Line Cords provide ground fault protection both indoors and out. They interrupt electrical power for equipment loads when leakage to ground is 4-6 milliamperes. Available in lengths of 18" (45.7 cm), 6' (182.9 cm), and 25' (762 cm). A 15' (457.2 cm) OEM version with stripped leads is also available. They are offered with an Automatic Set or Manual Set feature to meet your application.





Housing Design

- High impact UV stabilized housing resists dust, sunlight and chemicals for long life
- Watertight GFCI housing for use in harsh environments
- Available in Automatic Set with yellow base or Manual Set with black base



Molded Strain Relief

- Heavy-duty molded strain relief prevents conductor strain and resulting failure



Safety

- One-piece flush sealed keypads for greater reliability and resistance to damage due to impact
- Bright fault indicator light provides fault confirmation from a distance



Plug and Connector

- Heavy-duty molded plug and connector for reliable connection
- Solid (not formed) plug blades are crimped and soldered for a better connection and longer life

Industrial Grade, Portable GFCI Line Cords

IP21
SUITABILITY



GFPST4C15A



GFPST25C15A



GFPST6C15M



GFPSTOEMM



GFPST3C20MTL

Circuit Guard® Portable GFCI Line Cords, 15A 120V AC

Description	Automatic Set	Manual Set
18" (45.7 cm) GFCI line cord.	**GFPST4C15A**	**GFPST4C15M**
6' (182.9 cm) GFCI line cord.	**GFPST6C15A**	**GFPST6C15M**
25' (762.0 cm) GFCI line cord.	**GFPST25C15A**	**GFPST25C15M**
15' (457.2 cm) GFCI power supply cord with stripped leads.	**GFPSTOEMA***	**GFPSTOEMM***
50' (1524.0 cm) GFCI power supply with Elastogrip® watertight straight blade.	**–**	**GFPST50C15WM**
100' (3048.0 cm) GFCI power supply with Elastogrip® watertight straight blade.	**–**	**GFPST100C15WM**

*Note: *Total length is 15' 4.5" (468.6 cm) including leads: green 4.5" (114.3), black and white 3.5" (88.9). Each pre-stripped .375" (9.5).*

Circuit Guard® Portable GFCI Line Cords, 20A 120V AC

Description	Automatic Set	Manual Set
3' (91.4 cm) GFCI line cord.	**–**	**GFPST3C20M**

Circuit Guard® Manual Set Twist-Lock Portable GFCI Line Cords

	15A 120V AC	20A 120V AC
Description	Catalog Number	
3' (91.4 cm) GFCI line cord.	**GFPST3C15MTL**	**GFPST3C20MTL**

Automatic Set GFCI
Automatically energizes or sets the GFCI for use upon plug in and after the loss of primary power (power failure or unplugging the device). After a ground fault condition, unit must be reset by pushing the reset button. This feature eliminates the need for unit to be reset each time it is plugged in or powered up. Ideal for equipment intended for continuous use where a temporary power failure is likely and undesirable. Examples are pumps, pressure washers, portable signs or lighting and engine heaters.

Manual Set GFCI
Requires the GFCI to be manually set for use by pressing the reset button upon plug in and after loss of primary power (power failure or unplugging the device). Must be manually reset after a ground fault condition. Ideal for applications where operator injury might occur if equipment were to restart after a power failure. Typical equipment includes power drills, saws, lathes and grinders.

	Straight Blade	Twist-Lock®
Input	15A NEMA 5-15P, 20A NEMA 5-20P.	15A NEMA L5-15P HBL47CM20C, 20A NEMA L5-20P HBL23CM11.
Output	15A NEMA 5-15R (except GFPOEMM), 20A NEMA 5-20R.	15A NEMA L5-15R HBL47CM29C, 20A NEMA L5-20R HBL23CM13.

Specifications

Portable GFCI Line Cords

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120V AC +10% – 15%. Incorporates no voltage release feature.
Amperage	15A/20A.
Maximum Interrupting Capacity	2000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Housing	High-impact, UV stabilized PVC. UL 94V-0 flammability classification. Meets UL and CSA watertight requirements. Adhesive bonded.
Cord Type	14/3 SJTW-A (UL), SJTW (CSA). Except GFP3C20M, GFP3C15MTL and GFP3C20MTL are 12/3 SJTW.
Visual Fault Indication Light On	Indicates fault.
Listing and Standards	Meets UL943 Class A, UL File E41978, CSA Certified.
Codes	Meets all NEC® and CEC requirements.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Commercial Grade, Portable GFCI Line Cords

Circuit Guard® Portable GFCI Single Outlet, 15A 120V AC - 12/3 SJEOW

Description	Automatic Set	Manual Set
2' (60.9 cm) GFCI line cord.	**GFP2CA**	**GFP2CM**
25' (762.0 cm) GFCI line cord.	**GFP25CA**	**GFP25CM**



GFP2CA

Circuit Guard® Portable GFCI Triple Tap Outlet, 15A 120V AC - 12/3 SJEOW

Description	Automatic Set	Manual Set
2' (60.9 cm) GFCI line cord.	**GFP2TTA**	**GFP2TTM**
25' (762.0 cm) GFCI line cord.	**GFP25TTA**	**GFP25TTM**



GFP2TTA

Circuit Guard® OEM Equipment Integrated Cord Sets, 15A 120V AC - 14/3 SJEOW

Description	Automatic Set	Manual Set
15' (457.2 cm) GFCI with flying leads.	**GFP15LA**	**GFP15LM**
35' (1066.8 cm) GFCI with flying leads.	**GFP35LA**	**GFP35LM**



GFP15LA

15A GFCI In Line GFCI, Single and Triple Tap, 15A 120V AC - 12/3 SJTW

Description	Automatic Set	Manual Set
2' (60.9 cm), 5-15 single tap.	**GFPIL15125A**	**GFPIL15125M**
2' (60.9 cm), 5-15 triple tap.	**GFPIL15125TRIA**	**GFPIL15125TRIM**



GFPILST15125TRIM

20A GFCI In Line GFCI, Locking, 20A 120V AC - 12/3 SJTW - Type 4X, IP69, and IP69K

Description	Automatic Set	Manual Set
2' (60.9 cm), L5-20 locking.	**GFPILST20125LKA**	**GFPILST20125LKM**

20A GFCI In Line GFCI, Locking, 20A 250V AC - 12/3 SJTW - Type 4X, IP69, and IP69K

Description	Automatic Set	Manual Set
2' (60.9 cm), L6-20 locking.	**GFPILST20250LKA**	**GFPILST20250LKM**

20A GFCI Field-Wired In Line 120V AC

Description	Automatic Set	Manual Set
20A Field Wired In Line	**–**	**GFP20FWM**



GFPILST20125LKA



GFP20FWM

Specifications

Portable GFCI Line Cords

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Frequency	60 Hz.
Voltage	120/250V AC +10% - 15%. Incorporates no voltage release feature.
Amperage	15A/20A.
Maximum Interrupting Capacity	2000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Housing	High-impact, UV stabilized PVC. UL 94V-0 flammability classification. Meets UL and CSA watertight requirements. Adhesive bonded.
Visual Fault Indication Light On	Indicates fault.
Listing and Standards	Meets UL943 Class A, UL File E41978, CSA Certified.
Codes	Meets all NEC® and CEC requirements.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

IP21
SUITABILITY



GFP15M

Multiple Outlet Portable GFCI

Description	Rating	Receptacles	Plug	Catalog Number
4 outlet, manual set, yellow.	15A, 120V AC	(2) Duplex 5-15R	NEMA 5-15P	**GFP15M**
4 outlet, manual set, yellow.	20A, 120V AC	(2) Duplex 5-20R	NEMA 5-20P	**GFP20M**



GFMST20

GFCI Module - UL Type 3R Rated

Description	Rating	Catalog Number
GFCI module, manual set, yellow.	20A, 120V AC, 60 Hz	**GFMST20**
GFCI module, auto set, yellow.	20A, 120V AC, 60 Hz	**GFMST20A**



GFT2G

GFCI Tester

Description	Rating	Catalog Number
Ground fault tester.	120V AC	**GFT2G**

- Designed to measure the trip level of portable or “wired-in” GFCI’s in a range of 2-7mA. Leakage level can be adjusted from 2-7mA.
- Ideal for measuring leakage level of GFCI breakers, GFCI portables and GFCI receptacles.

Specifications

	GFP15M / GFP20M	GFMST20 / GFMST20A
Trip Level	4 to 6 mA.	4 to 6 mA.
Trip Time	.025 sec. nominal.	.025 sec. nominal.
Frequency	60 Hz.	60 Hz.
Voltage	120V AC +10% - 15%. No voltage release feature.	120V AC +10% - 15%. No voltage release feature.
Maximum Interrupting Capacity	5000A.	5000A.
Current	15A / 20A.	20A / 20A Feed-through.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.	-35°C to 66°C or -30°F to 150°F.
Housing Rating	High-impact, yellow Valox® with protective lift covers.	High-impact, UV stabilized, rigid PVC. UL 94V-0 flammability classification. UL Type 3R Rated.
Input	5-15P, 15A / 5-20P, 20A. IP21 Suitability.	#12 AWG stranded conductors (black/white/green).
Output	5-15R(4), 15A / 5-20R(4), 20A.	#12 AWG stranded conductors (red/gray).
Power Supply Cord	6' (182.9 cm) STOW-A (STW FT2 CSA).	N/A.
Mounting Screws	N/A.	Self-tapping, combination, #6-32.
Power “ON” Indication	LED indicator light.	LED indicator light.
Agency Approvals	UL Listed, UL498 for receptacles. Meets UL943 Class A for GFCI’s.	UL Listed, CSA Certified. Meets UL943 Class A for GFCI’s.
Codes	Meets all NEC® and CEC requirements.	Meets all NEC® and CEC requirements.

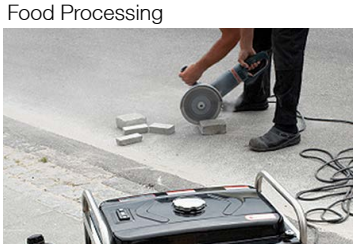
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Applications

Power Generators
Submersible Pumps
Textile



Agricultural Equipment
Cement Cutting Equipment
Food Processing



Production Assembly Equipment
Spa and Hot Tubs
Vending Equipment



Extra Heavy Duty Industrial Circuit Guard® Hard Wired 30A GFCI - UL Type 4X Rated

Description	Voltage	Alarm	Automatic Set	Manual Set
Hard wired, manual set and automatic set GFCIs.	120V AC	None	**GFHW13105**	**GFHW13005**
	120V AC	Audible	**GFHW13115**	**GFHW13015**
	240V AC	None	**GFHW23105**	**GFHW23005**
	240V AC	Audible	**GFHW23115**	**GFHW23015**
	120/240V AC	Audible	**GFHW33115**	**GFHW33015**
	3Ø 250V AC	None	**GFHW531**	**GFHW530**
	3Ø 120/208V AC	None	**GFHW431**	**GFHW430**
	3Ø 208V AC	None	**GFHW83105**	-



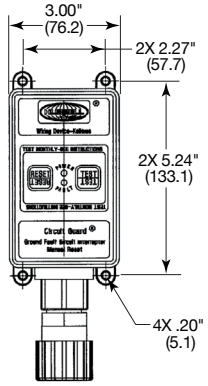
Automatic Reset GFCI



Manual Reset GFCI

Specifications

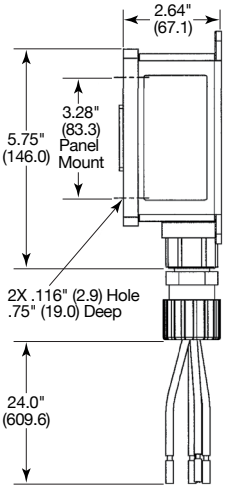
Electrical Ratings	
Rated Voltage	120V AC, 240V AC, 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC.
Operating Voltage Range	85% to 110%.
Current	Up to 30A or device rating.
Frequency	60 Hz.
Trip Level	4-6 mA.
Phase	Single.
Response Time	.025 sec. Max.
Dielectric Withstand	1500 VRMS across contact, 4000 VRMS between conductors and enclosure.
Surge Withstand	6000V impulse, 0.5 microseconds rise time 100kHz ringing frequency with 40% decay per cycle.
Let Go Line Voltage	60% of rated.
Grounded Neutral Detection	6 Ohms or less.
Power Up	Manual or automatic reset.
Environmental Ratings	
Housing Rating	UL Type 4X.
Construction	Industrial grade design.
Type	Class A GFCI.
Operating Temperature	-35°C to 66°C, -30°F to 150°F.
Leakage Current @ 93% Humidity	Zero.
Features	
Life (Endurance)	10,000 cycles (6000 with load and 4000 without load). Open neutral protection Trips upon loss of neutral.
Grounded Neutral Protection	Trips if ground and neutral touch at load side.
Power On Indicator	Green light on.
Power Off Indicator	Red blinking light plus optional audible alarm.
Wiring Application	3 Wire Single Phase (Hot, Neutral and Ground), 4 Wire Single Phase (Line 1,Line 2, Neutral and Ground).
Switch Interface	Double Insulated.
Latching Mechanism	Electromagnetic.
Physical Specifications	
Wire Leads	#10 AWG, 24" long.
Unit Color	Gray with black cover.
Label Color on Portable and Hard Wired Units	Automatic reset: yellow background with black lettering. Manual reset: black background with yellow lettering.
Weight	1.40 lbs.



Product Dimensions

Related Code

Confined Space	OSHA 29 CFR 1926.404 (b) (1) (ii) OSHA 29 CFR 1926.405 (a) (2) (ii) (G)
Construction Sites	NEC 590.6
Commercial Garages	NEC 511.12
Fountains	NEC 680.5B
Spas and Hot Tubs	NEC 680.40
Marinas	NEC 555.3



Side View

Dimensions in Inches (mm)

Applications

Pressure Washers
De-icing Equipment
Pipeline Heaters



Portable Electric Heaters
Material Dryers
Automotive Garages



Portable Power Tools
Submersible Pumps
Outdoor Signage





GFPST1311

Extra Heavy Duty Industrial Circuit Guard® Portable 30A GFCI - UL Type 4X Rated

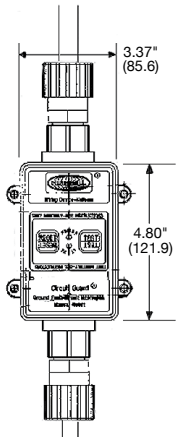
Description	Cord Length	Voltage	Manual Set	Automatic Set
Portable, manual set and automatic set GFCIs.	2' (60.9 cm)	120V AC	**GFPST1301**	**GFPST1311**
	6' (182.9 cm)	120V AC	**GFPST1305**	**GFPST1315**
	25' (762.0 cm)	120V AC	**GFPST1302**	**GFPST1312**
	50' (1524.0 cm)	120V AC	**GFPST1303**	**GFPST1313**
	2' (60.9 cm)	240V AC	**GFPST2301**	**GFPST2311**
	25' (762.0 cm)	240V AC	**GFPST2302**	**GFPST2312**
	6' (182.9 cm)	120/240V AC	**GFP3305**	**GFP3315**
	6' (182.9 cm)	3Ø 250V AC	**GFP5305**	**GFP5315**
	6' (182.9 cm)	3Ø 120/208V AC	**GFPST4305**	**GFPST4315**
	6' (182.9 cm)	3Ø 208V AC	**GFP8305**	**GFP8315**



GFPILST30250LKM

Extra Heavy Duty Industrial Circuit Guard® 30A GFCI In Line GFCI – Locking

Description	Cord Length	Voltage	Manual Set	Automatic Set
L5-30 locking.	2' (60.9 cm)	120V AC	**GFPILST30125LKM**	**GFPILST30125LKA**
L6-30 locking.	2' (60.9 cm)	250V AC	**GFPILST30250LKM**	**GFPILST30250LKA**



Product Dimensions

Plug and Connector Selector Chart (partial listing)

The chart below is a list of possible Hubbell plug and connector body products that can be used with the Hubbell Portable GFCIs.

Family	Style	Amps	Voltage	Hubbell Catalog Number
Insulgrip®	Straight Blade	15	120V AC	**HBL5266C & HBL5269C**
Insulgrip®	Twist-Lock®	30	240V AC	**HBL2621 & HBL2623**
Watertight Safety-Shroud®	Twist-Lock®	30	240V AC	**HBL2621SW & HBL2623SW**
IEC Pin & Sleeve	Watertight Pin & Sleeve	30	240V AC	**HBL330P6W & HBL330C6W**
Insulgrip® Pin & Sleeve	Insulgrip® Pin & Sleeve	30	240V AC	**HBL330PS2W & HBL330CS2W**
Hubbellock®	Hubbellock®	20	120V AC	**HBL23035B & HBL23032B**

Specifications

Electrical Ratings

Rated Voltage	120V AC, 240V AC, 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC.
Operating Voltage Range	85% to 110%.
Current	Up to 30A or device rating.
Frequency	60 Hz.
Trip Level	4-6 mA.
Response Time	25 mS Max.
Dielectric Withstand	1500 VRMS across contact, 4000 VRMS between conductors and enclosure.
Surge Withstand	6000V impulse, 0.5 microseconds rise time 100kHz ringing frequency with 40% decay per cycle.
Let Go Line Voltage	60% of rated.
Power Up	Manual or Automatic reset.

Environmental Ratings

Housing Rating	UL Type 4X.
Construction	Industrial grade design.
Type	Meets UL943 Class A GFCI.
Operating Temperature	-35°C to 66°C, -30°F to 150°F.
Leakage Current @ 93% Humidity	Zero.

Features

Life (Endurance)	10,000 cycles (6000 with load and 4000 without load).
Open Neutral Protection	Trips upon loss of neutral.
Grounded Neutral Protection	Trips if ground and neutral touch at load side.
Power On Indicator	Green light on.
Power Off Indicator	Red blinking light plus optional audible alarm.
Wiring Application	3 Wire Single Phase (Hot, Neutral and Ground). 4 Wire Single Phase (Line 1, Line 2, Neutral and Ground).
Switch interface	Double Insulated.
Latching Mechanism	Electromagnetic.

Physical Specifications

Cord Type	2-50', 10/3 SJGOOW. 100', 8/3 SEOW.
Unit Color	Gray with black cover.
Label Color on Portable and Hard Wired Units	Automatic reset: Yellow background with black lettering. Manual reset: Black background with yellow lettering.
Weight	2 ft. 1.8 lbs., 6 ft. 2.7 lbs., 25 ft. 6.8 lbs., 50 ft. 12.4 lbs.,100 ft. 23.3 lbs.

Related Code

Confined Space	OSHA 29 CFR 1926.404 (b) (1) (ii) OSHA 29 CFR 1926.405 (a) (2) (ii) (G)
Construction Sites	NEC 590.6
Commercial Garages	NEC 511.12
Outdoor Signs	NEC 600.10
Spas and Hot Tubs	NEC 680.40
Boat Yards	NEC 555.3

Dimensions in Inches (mm)

Features and Benefits

UL Type 4X



GFCI Protected FD Box

The GFCI protected FD box provides a UL Type 4X GFCI enclosure made for wet and damp locations for 30A 120V and 240V Watertight receptacles. The GFCI response time does not exceed .025 seconds ensuring a safe circuit shut down if the current were to deviate from its path. Auto resetting GFCI box, when connected to an FD box by utilizing a PolyTuff® liquid tight conduit provides advanced safety features for Watertight devices.



GFCI Housing Design

- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- 30A, 120V and 240V with auto reset
- GFCI response time is .025 sec. Max.
- Grounded neutral protection trips if ground and neutral touch at load side



FD Box

- Utilizes PolyTuff® liquidtight conduit and fittings
- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- For use with single and duplex watertight receptacles (single phase only)

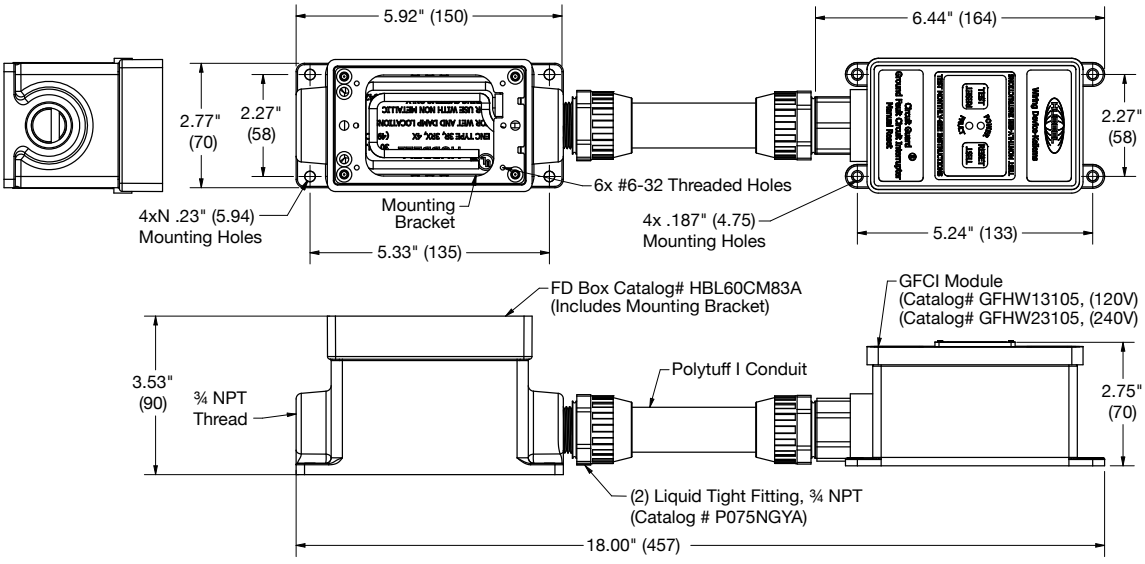
Note: Watertight receptacles purchased separately.



HBLWTGF120
HBLWTGF240

GFCI Protected FD Box

	Description	Catalog Number
FD Box	Watertight FD Box, GFCI Module, 30A 120V, Yellow	**HBLWTGF120**
	Watertight FD Box, GFCI Module, 30A 240V, Yellow	**HBLWTGF240**



Dimensions in Inches (mm)

Portable GFCI Cord Drops



GFP201251P

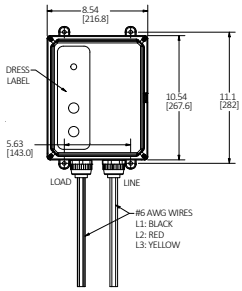


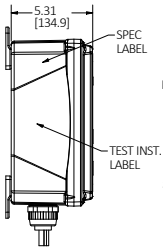
Extra Heavy Duty Industrial Circuit Guard® Portable GFCI - Type 4X

Description	Cord length	Amperage	Voltage	Catalog Number
Portabe GFCI Cord Drop with Black SEOOW Cable and Kellems Mesh Strain Relief. Automatic Set See Page K-19 for product specifications and dimensions	10' (304.8 cm)	20A	125V AC	**GFP201251P**
	10' (304.8 cm)	20A	250V AC	**GFP202501P**
	10' (304.8 cm)	20A	208V AC	**GFP202081P**
	10' (304.8 cm)	30A	125V AC	**GFP301251P**
	10' (304.8 cm)	30A	250V AC	**GFP302501P**
	10' (304.8 cm)	30A	208V AC	**GFP302081P**
	10' (304.8 cm)	30A	3Ø 208V AC	**GFP302083P**
	10' (304.8 cm)	30A	3Ø 240V AC	**GFP302403P**
	25' (762.0 cm)	20A	125V AC	**GFP201251P25**
	25' (762.0 cm)	20A	250V AC	**GFP202501P25**
	25' (762.0 cm)	20A	208V AC	**GFP202081P25**
	25' (762.0 cm)	30A	125V AC	**GFP301251P25**
	25' (762.0 cm)	30A	250V AC	**GFP302501P25**
	25' (762.0 cm)	30A	208V AC	**GFP302081P25**
	25' (762.0 cm)	30A	3Ø 208V AC	**GFP302083P25**
	25' (762.0 cm)	30A	3Ø 240V AC	**GFP302403P25**



GFHW86108





Extra Heavy Duty Industrial Circuit Guard® Hard Wired 60A GFCI - Type 4X

Description	Amperage	Voltage	Catalog Number
60 Amp Single or 3 -Phase GFCI Class A Automatic Set	60A	1Ø or 3Ø 208V AC	**GFHW86108**

Specifications

Rated Voltage:	208VAC (150V to ground max) "Class-A"
Operating Voltage Range:	85% to 110% of rated
Current:	Up to 60 Amps or Device Rating
Horsepower:	Up to 20 HP 3Ø/ 7.5HP 1Ø
Frequency:	60 Hz.
Trip Level:	5mA +/- 1mA
Response Time	25ms max at 500Ω fault
Power up:	Auto: Output is on immediately upon power up
Display:	Illuminated TEST/RESET pushbutton, triple indication of Protecting & Power-out versus Fault
Enclosure:	High impact polycarbonate 8x10x4 inch, NEMA 4X
Operational Temperature:	-35" C to 50" C (-31" F to 122" F)
Connections:	60" splicing lead wires and 1" NPT conduit fittings for integration to flexible, EMT, PVC, or burial conduit
Short Circuit:	10KA (panel tested), higher with appropriate fusing
Dielectric With stand:	1500 VRMS across contact, 4000V to enclosure
Voltage Surge With stand:	4000V/2000A 20-times per ICE 6100D-4-5
Agency:	Listed to UL943

SECTION L

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HBL® Extra Heavy Duty Max Hospital Grade Devices



Industrial and Commercial Series GFCIs



Surge Protection Devices



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Products at a Glance



HBL® Extra Heavy Duty Max Hospital Grade

- Deep nylon body design increases impact and chemical resistance
- One-piece nickel-plated brass ground strap
- ID marking surface for quick circuit identification
- Square head, 10-thread bronze center rivet
- External back wire clamp



SpikeShield® Surge Suppression Plug Strips

- UL2930 HCOA's
- UL1449 SPD's available
- 15A and 20A versions
- 6 foot or 15 foot cords available
- USB versions in several models



Extra Heavy Duty SNAP*Connect*®

- Hospital and Specification Grade
- SNAPConnect® modular wiring device system saves installation time
- Eliminates screw terminations
- Steel mounting strap, self-grounding
- Compact size requires minimal space



Hubbell-PRO Extra Heavy Duty

- Specification Grade and Hospital Grade
- Tamper-Resistant, NOT Plug Resistant™
- Power indicating LED feature optional
- Circuit ID marking area on Hospital Grade
- Steel mounting strap, self-grounding
- Assembled in USA



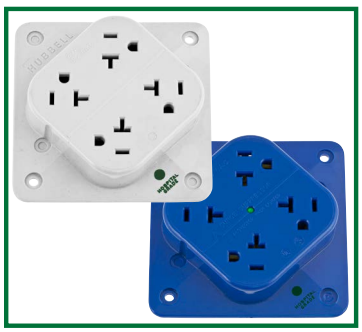
Hubbellock® Devices

- Mobile X-Ray devices
- Nylon cover, thermoset interior
- Armored, epoxy filled, rubber cord grip



USB Charger Receptacles

- Two Type-C, Type A&C and Type A port configurations, high power 5 Amp, 5 Volt DC USB output
- Heavy duty stainless steel USB ports; rated for 10,000 cord insertions and removals
- Patented Hubbell Tamper-Resistant technology uses cam action shutters
- SNAP*Connect*® devices, reduce labor costs and installation time



4-PLEX Receptacles

- Hospital Grade and Surge styles
- Mounts directly to 4-inch square box
- "A" and "B" circuit ID molded into face
- Removable knockouts for mounting to octagon concrete ring or box
- Heavy duty, triple wipe, brass power and ground contacts

Features and Benefits

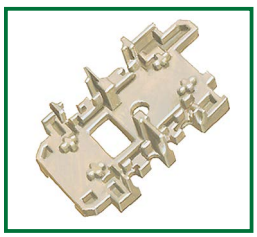


HBL® Extra Heavy Duty Max Hospital Grade Devices

UL requirements for Hospital Grade devices is more stringent than those for standard devices. Hubbell receptacles are designed to meet and exceed the standards.

- Exclusive nickel-plated bypass contact design increases contact pressure, lowering the operating temperature
- Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas
- Impact resistant deep face design prevents breakage

Because of these features and others, the benefit is performance, reliability and value for any health care facility.



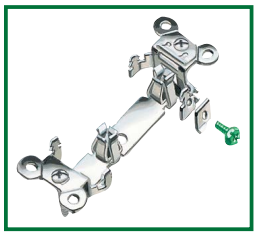
Housing Design

- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance
- Deep body design increases impact and chemical resistance



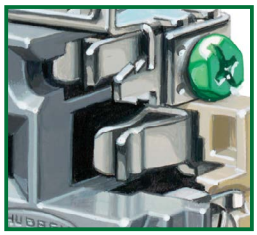
Terminals

- External wiring clamps allow for visual inspection of the terminals
- Unique strand containment feature on the terminal “bundles” the wire, ensuring 100% clamping of wire strands and reducing heat from the termination



One-Piece Mounting Strap

- Back wired ground terminal allows faster, easier installation
- One-piece nickel-plated brass integral ground strap for greater corrosion resistance
- Patented ground contact provides redundant grounding



Contacts

- Exclusive bypass contacts are made of nickel-plated brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
- Barbed assembly arms reduce possibility of face/base separation



Identification

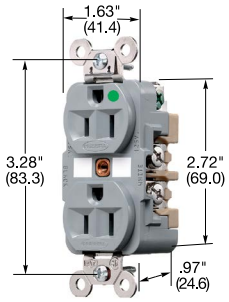
- I.D. marking surface provides quick, sure circuit identification
- All Hospital Grade devices are marked with the green dot symbol, required by UL



Center Rivet

- Square head, 10-thread bronze center rivet won’t rotate, reduces stripping and resists corrosion

15 and 20 Ampere, 125 Volts



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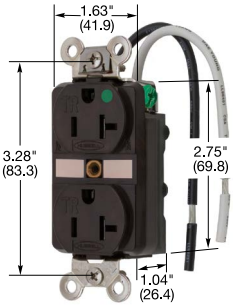
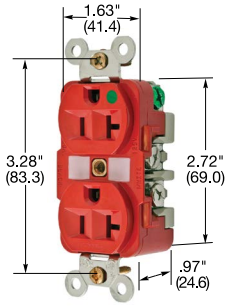
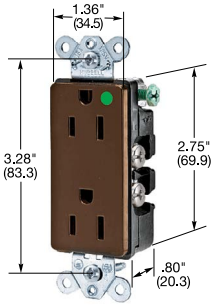


HBL8300SGA



HBL8300RMRI



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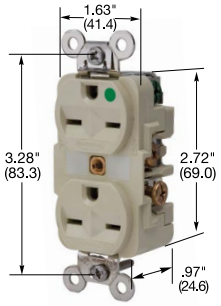


HBL8600I

Dimensions in Inches (mm)

IP20 SUITABILITY

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

HBL® Extra Heavy Duty Max Hospital Grade ● Receptacles

Duplex	Color	Catalog Number	
Flush, thermoplastic polyester face, back and side wired.	Black	HBL8200BK	–
	Blue	–	HBL8300BL
	Brown	HBL8200	HBL8300
	Gray	HBL8200GY	HBL8300GY
	Ivory	HBL8200I	HBL8300I
	Light Almond	HBL8200LA	HBL8300LA
	Red	HBL8200RED	HBL8300RED
	White	HBL8200W	HBL8300W
Flush, LED illuminated face, back and side wired.	Gray	HBL8200ILGY	HBL8300ILGY
	Ivory	HBL8200ILI	HBL8300ILI
	Red	HBL8200ILR	HBL8300ILR
	White	HBL8200ILW	HBL8300ILW
Tamper-Resistant receptacle with wire leads. Complies with requirements of NEC® article 517-18(c).	Brown	HBL8200SGA	HBL8300SGA
	Gray	HBL8200SGGYA	HBL8300SGGYA
	Ivory	HBL8200SGIA	HBL8300SGIA
	Light Almond	–	HBL8300SGLA
	Red	HBL8200SGRA	HBL8300SGRA
	White	HBL8200SGWA	HBL8300SGWA
Isolated ground[Δ]	Orange	IG8200	IG8300
	Red	IG8200R	IG8300R
MRI Receptacle, Duplex			
MRI receptacle, flush, thermoplastic polyester face, back and side wired. 100% non-ferrous.	Ivory	HBL8200IMRI	HBL8300IMRI
	Light Almond	HBL8200LAMRI	HBL8300LAMRI
	Red	HBL8200RMRI	HBL8300RMRI
	White	HBL8200WMRI	HBL8300WMRI
Slender/Compact, Duplex			
Flush, thermoplastic polyester face, back, and side wired, Fed. Spec. verified.	Brown	HBL8200H	HBL8300H
	Gray	HBL8200HG	HBL8300HG
	Green	–	HBL8300HGN
	Ivory	HBL8200HI	HBL8300HI
	Light Almond	HBL8200HLA	HBL8300HLA
	Red	HBL8200HRED	HBL8300HRED
	White	HBL8200HW	HBL8300HW
Style Line® Decorator*			
Flush, nylon face, back and side wired.	Brown	HBL2172	HBL2182
	Gray	HBL2172GY	HBL2182GY
	Ivory	HBL2172I	HBL2182I
	Red	HBL2172R	HBL2182R
	White	HBL2172WA	HBL2182WA
Isolated ground[Δ]	Ivory	–	IG2182I
	Orange	–	IG2182
	White	–	IG2182WA
Single			
Flush, nylon face, back and side wired, Fed. Spec. verified.	Brown	HBL8210	HBL8310
	Gray	HBL8210GY	HBL8310GY
	Ivory	HBL8210I	HBL8310I
	Red	HBL8210R	HBL8310R
	White	HBL8210W	HBL8310W
Panel mount on 1.94 in. (49.2) centers.	Brown	HBL8284	–
	Ivory	HBL8284I	HBL8384I
Isolated ground[Δ]	Orange	IG8210	IG8310

HBL® Extra Heavy Duty Max Hospital Grade ● Receptacles

250 Volts Duplex	Color	Catalog Number	
Flush, thermoplastic polyester face, back and side wired.	Brown	HBL8600	HBL8400
	Ivory	HBL8600I	HBL8400I

Note: [Δ]See section N for additional information on isolated ground devices.
**Not Fed. Spec. Listed.*
See pages A-47 and A-48 for accessories. See section O for wallplates.
See page Tech-10 for Tamper-Resistant description.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

15 and 20 Ampere, 125 Volts

SNAP*Connect*® GFCI LED Hospital Grade ● Receptacles



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

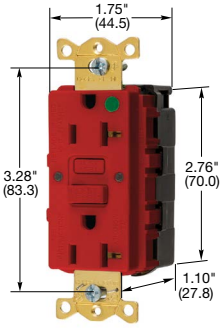


20A 125V
NEMA 5-20R
UL CSA
1 HP

Meets UL Standard 943 Class A GFCI

Fed.Spec.

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA.	Black	**GFRST82SNAPBK**	**GFRST83SNAPBK**
	Brown	**GFRST82SNAP**	**GFRST83SNAP**
	Gray	**GFRST82SNAPGY**	**GFRST83SNAPGY**
	Ivory	**GFRST82SNAPI**	**GFRST83SNAPI**
	Light Almond	**GFRST82SNAPLA**	**GFRST83SNAPLA**
	Red	**GFRST82SNAPR**	**GFRST83SNAPR**
	White	**GFRST82SNAPW**	**GFRST83SNAPW**

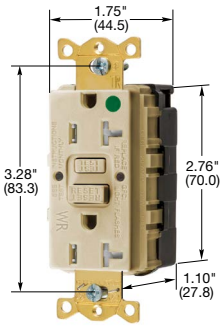


GFRST83SNAPR

SNAP*Connect*® GFCI LED Hospital Grade ● Tamper and Weather Resistant

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA.	Black	**GFTWRST82SNAPBK**	**GFTWRST83SNAPBK**
	Brown	**GFTWRST82SNAP**	**GFTWRST83SNAP**
	Gray	**GFTWRST82SNAPGY**	**GFTWRST83SNAPGY**
	Ivory	**GFTWRST82SNAPI**	**GFTWRST83SNAPI**
	Light Almond	**GFTWRST82SNAPLA**	**GFTWRST83SNAPLA**
	Red	**GFTWRST82SNAPR**	**GFTWRST83SNAPR**
	White	**GFTWRST82SNAPW**	**GFTWRST83SNAPW**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.
See page Tech-10 for Tamper-Resistant description.



GFTWRST83SNAPI

SNAP*Connect*® USB Charger Hospital Grade ● TR Receptacles

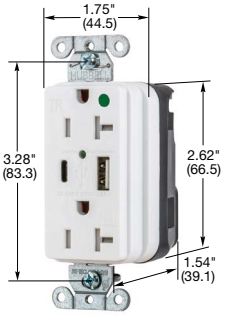


15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	Catalog Number	
Hospital Grade SNAPConnect USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output.	Black	**SNAP8200UACBK**	**SNAP8300UACBK**
	Brown	**SNAP8200UAC**	**SNAP8300UAC**
	Gray	**SNAP8200UACGY**	**SNAP8300UACGY**
	Ivory	**SNAP8200UACI**	**SNAP8300UACI**
	Light Almond	**SNAP8200UACLA**	**SNAP8300UACLA**
	Red	**SNAP8200UACR**	**SNAP8300UACR**
	White	**SNAP8200UACW**	**SNAP8300UACW**



SNAP8300UACW

SNAP*Connect*® Surge Protection Hospital Grade ● Tamper-Resistant Receptacle with Power Indicating LED

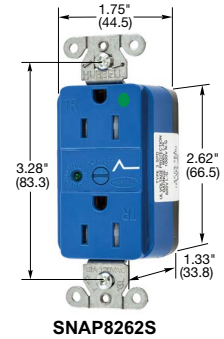


15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	Catalog Number	
Hospital Grade SNAP*Connect* Surge supression, Tamper-Resistant, smooth face, duplex receptacle.	Blue	**SNAP8262S**	**SNAP8362S**
	Gray	**SNAP8262GYS**	**SNAP8362GYS**
	Ivory	**SNAP8262IS**	**SNAP8362IS**
	Light Almond	**SNAP8262LAS**	**SNAP8362LAS**
	Red	**SNAP8262RS**	**SNAP8362RS**
	White	**SNAP8262WS**	**SNAP8362WS**

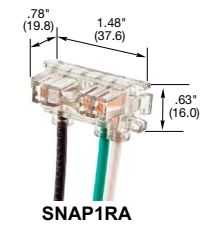


SNAP8262S

SNAP*Connect*® Right Angle Pigtailed Connector

Description	Wire Type	General Use	Assembled in USA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	**SNAP1RAM2**	**SNAP1RNAM2**
	Stranded	**SNAP2RAM2**	**SNAP2RNAM2**

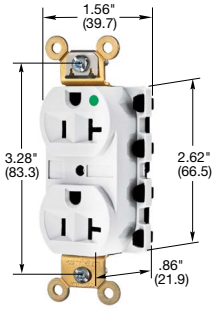
Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.



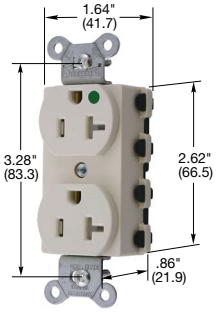
SNAP1RA

Dimensions in Inches (mm)

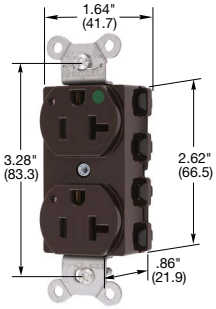
15 and 20 Ampere, 125 Volts



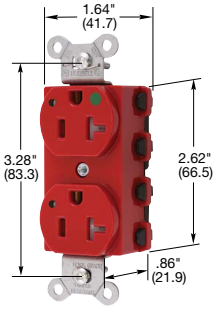
SNAP8300WA



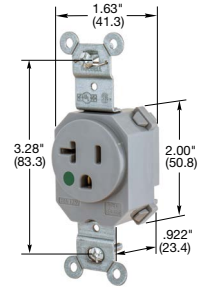
SNAP8300LATR



SNAP8300L



SNAP8300RLTR



SNAP8310GY

Dimensions in Inches (mm)

IP20 SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Receptacles

Duplex	Color	Catalog Number	
Hospital grade, finder groove, nylon face, modular receptacle which requires pigtailed connector on page L-5.	Black	**SNAP8200BKA**	**SNAP8300BKA**
	Brown	**SNAP8200A**	**SNAP8300A**
	Gray	**SNAP8200GYA**	**SNAP8300GYA**
	Ivory	**SNAP8200IA**	**SNAP8300IA**
	Light Almond	**SNAP8200LAA**	**SNAP8300LAA**
	Red	**SNAP8200RA**	**SNAP8300RA**
	White	**SNAP8200WA**	**SNAP8300WA**
Hospital grade, smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.	Black	**SNAP8200BKNA**	**SNAP8300BKNA**
	Brown	**SNAP8200NA**	**SNAP8300NA**
	Gray	**SNAP8200GYNA**	**SNAP8300GYNA**
	Ivory	**SNAP8200INA**	**SNAP8300INA**
	Light Almond	**SNAP8200LANA**	**SNAP8300LANA**
	Red	**SNAP8200RNA**	**SNAP8300RNA**
	White	**SNAP8200WNA**	**SNAP8300WNA**
TR Hospital grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.	Black	**SNAP8200BKTRA**	**SNAP8300BKTRA**
	Brown	**SNAP8200TRA**	**SNAP8300TRA**
	Gray	**SNAP8200GYTRA**	**SNAP8300GYTRA**
	Ivory	**SNAP8200ITRA**	**SNAP8300ITRA**
	Light Almond	**SNAP8200LATRA**	**SNAP8300LATRA**
	Red	**SNAP8200RTRA**	**SNAP8300RTRA**
	White	**SNAP8200WTRA**	**SNAP8300WTRA**
TR Hospital grade, Tamper-Resistant, Split Circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.	Black	**SNAP8200BKSCTRA**	**SNAP8300BKSCTRA**
	Brown	**SNAP8200SCTRA**	**SNAP8300SCTRA**
	Gray	**SNAP8200GYSCTRA**	**SNAP8300GYSCTRA**
	Ivory	**SNAP8200ISCTRA**	**SNAP8300ISCTRA**
	Light Almond	**SNAP8200LASCTRA**	**SNAP8300LASCTRA**
	Red	**SNAP8200RSCTRA**	**SNAP8300RSCTRA**
	White	**SNAP8200WSCTRA**	**SNAP8300WSCTRA**
Isolated ground[Δ], Hospital grade, Tamper-Resistant.	Orange	**SNAP8200IGTRA**	**SNAP8300IGTRA**
	Red	**SNAP8200RIGTRA**	**SNAP8300RIGTRA**
PWR Hospital grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.	Black	**SNAP8200BKL**	**SNAP8300BKL**
	Brown	**SNAP8200L**	**SNAP8300L**
	Gray	**SNAP8200GYL**	**SNAP8300GYL**
	Ivory	**SNAP8200IL**	**SNAP8300IL**
	Light Almond	**SNAP8200LAL**	**SNAP8300LAL**
	Red	**SNAP8200RL**	**SNAP8300RL**
	White	**SNAP8200WL**	**SNAP8300WL**
Isolated ground[Δ], Hospital grade, with Power Indicating LED.	Orange	**SNAP8200IGL**	**SNAP8300IGL**
	Red	**SNAP8200RIGL**	**SNAP8300RIGL**
PWR TR Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.	Black	**SNAP8200BKLTRA**	**SNAP8300BKLTRA**
	Brown	**SNAP8200LTRA**	**SNAP8300LTRA**
	Gray	**SNAP8200GYLTRA**	**SNAP8300GYLTRA**
	Ivory	**SNAP8200ILTRA**	**SNAP8300ILTRA**
	Light Almond	**SNAP8200LALTRA**	**SNAP8300LALTRA**
	Red	**SNAP8200RLTRA**	**SNAP8300RLTRA**
	White	**SNAP8200WLTRA**	**SNAP8300WLTRA**
Isolated ground[Δ], Hospital grade, TR with Power Indicating LED.	Orange	**SNAP8200IGLTRA**	**SNAP8300IGLTRA**
	Red	**SNAP8200RIGLTRA**	**SNAP8300RIGLTRA**

SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Single Receptacles

	Hospital Grade ●		Hospital Grade ● Tamper-Resistant TR	
Color	15A 125V	20A 125V	15A 125V	20A 125V
Black	**SNAP8210BK**	**SNAP8310BK**	**SNAP8210BKTR**	**SNAP8310BKTR**
Blue	**SNAP8210BL**	**SNAP8310BL**	**SNAP8210BLTR**	**SNAP8310BLTR**
Brown	**SNAP8210**	**SNAP8310**	**SNAP8210TR**	**SNAP8310TR**
Gray	**SNAP8210GY**	**SNAP8310GY**	**SNAP8210GYTR**	**SNAP8310GYTR**
Ivory	**SNAP8210I**	**SNAP8310I**	**SNAP8210ITR**	**SNAP8310ITR**
Light Almond	**SNAP8210LA**	**SNAP8310LA**	**SNAP8210LATR**	**SNAP8310LATR**
Red	**SNAP8210R**	**SNAP8310R**	**SNAP8210RTR**	**SNAP8310RTR**
White	**SNAP8210W**	**SNAP8310W**	**SNAP8210WTR**	**SNAP8310WTR**

15 and 20 Ampere, 125 Volts

IP20
SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

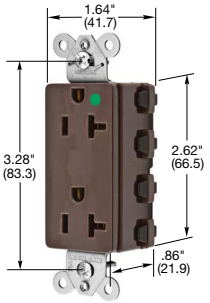


20A 125V
NEMA 5-20R
UL CSA
1 HP

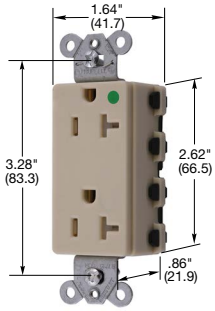
SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Receptacles

Style Line® Decorator	Color	Catalog Number	
Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page L-5.	Black	**SNAP2172BKA**	**SNAP2182BKA**
	Brown	**SNAP2172A**	**SNAP2182A**
	Gray	**SNAP2172GYA**	**SNAP2182GYA**
	Ivory	**SNAP2172IA**	**SNAP2182IA**
	Light Almond	**SNAP2172LAA**	**SNAP2182LAA**
	Red	**SNAP2172RA**	**SNAP2182RA**
	White	**SNAP2172WA**	**SNAP2182WA**
Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.	Black	**SNAP2172BKNA**	**SNAP2182BKNA**
	Brown	**SNAP2172NA**	**SNAP2182NA**
	Gray	**SNAP2172GYNA**	**SNAP2182GYNA**
	Ivory	**SNAP2172INA**	**SNAP2182INA**
	Light Almond	**SNAP2172LANA**	**SNAP2182LANA**
	Red	**SNAP2172RNA**	**SNAP2182RNA**
	White	**SNAP2172WNA**	**SNAP2182WNA**
Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.	Black	**SNAP2172BKTRA**	**SNAP2182BKTRA**
	Brown	**SNAP2172TRA**	**SNAP2182TRA**
	Gray	**SNAP2172GYTRA**	**SNAP2182GYTRA**
	Ivory	**SNAP2172ITRA**	**SNAP2182ITRA**
	Light Almond	**SNAP2172LATRA**	**SNAP2182LATRA**
	Red	**SNAP2172RTRA**	**SNAP2182RTRA**
	White	**SNAP2172WTRA**	**SNAP2182WTRA**
Hospital grade, Tamper-Resistant, Split Circuit, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.	Black	**SNAP2172BKSCTRA**	**SNAP2182BKSCTRA**
	Brown	**SNAP2172SCTRA**	**SNAP2182SCTRA**
	Gray	**SNAP2172GYSCTRA**	**SNAP2182GYSCTRA**
	Ivory	**SNAP2172ISCTRA**	**SNAP2182ISCTRA**
	Light Almond	**SNAP2172LASCTRA**	**SNAP2182LASCTRA**
	Red	**SNAP2172RSCTRA**	**SNAP2182RSCTRA**
	White	**SNAP2172WSCTRA**	**SNAP2182WSCTRA**
Isolated ground[Δ], Hospital grade, Tamper-Resistant.	Orange	**SNAP2172IGTRA**	**SNAP2182IGTRA**
	Red	**SNAP2172RIGTRA**	**SNAP2182RIGTRA**
Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.	Black	**SNAP2172BKL**	**SNAP2182BKL**
	Brown	**SNAP2172L**	**SNAP2182L**
	Gray	**SNAP2172GYL**	**SNAP2182GYL**
	Ivory	**SNAP2172IL**	**SNAP2182IL**
	Light Almond	**SNAP2172LAL**	**SNAP2182LAL**
	Red	**SNAP2172RL**	**SNAP2182RL**
	White	**SNAP2172WL**	**SNAP2182WL**
Isolated ground[Δ], Hospital grade, with Power Indicating LED.	Orange	**SNAP2172IGL**	**SNAP2182IGL**
	Red	**SNAP2172RIGL**	**SNAP2182RIGL**
Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.	Black	**SNAP2172BKLTRA**	**SNAP2182BKLTRA**
	Brown	**SNAP2172LTRA**	**SNAP2182LTRA**
	Gray	**SNAP2172GYLTRA**	**SNAP2182GYLTRA**
	Ivory	**SNAP2172ILTRA**	**SNAP2182ILTRA**
	Light Almond	**SNAP2172LALTRA**	**SNAP2182LALTRA**
	Red	**SNAP2172RLTRA**	**SNAP2182RLTRA**
	White	**SNAP2172WLTRA**	**SNAP2182WLTRA**
Isolated ground[Δ], Hospital grade, TR with Power Indicating LED.	Orange	**SNAP2172IGLTRA**	**SNAP2182IGLTRA**
	Red	**SNAP2172RIGLTRA**	**SNAP2182RIGLTRA**

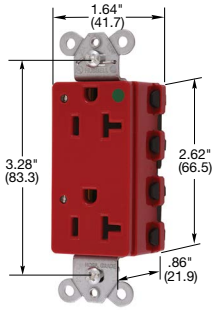
Note: [Δ]See section N additional information on isolated ground devices and section O for wallplates.
See page A-5 for additional information on SNAPConnect features.
See Page L-5 for SNAPConnect pigtailed terminals.
See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.
See pages A-47 and A-48 for accessories.



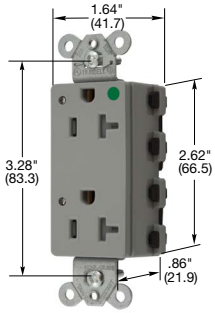
SNAP2182A



SNAP2182ITR



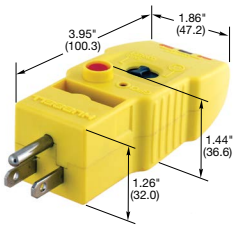
SNAP2182RL



SNAP2182GYLTR

SNAP*Connect*® Tester

Description	Catalog Number
Circuit Tester for SNAPConnect receptacle terminals, GFCI and standard receptacles	**SNAPCTG**



SNAPCTG

Dimensions in Inches (mm)

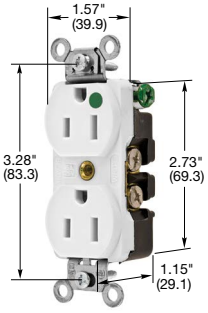
Features and Benefits

Hubbell-PRO Extra Heavy Duty Receptacles

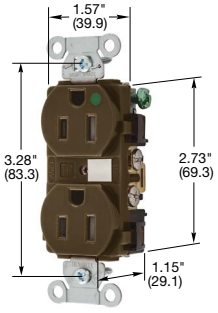
- Nylon face and base construction
- Triple-wipe power contacts
- Circuit ID marking area
- Combination Tamper-Resistant and LED for pediatric emergency circuits
- Galvanized steel mounting strap
- Automatic self-grounding staple
- Back and side wiring



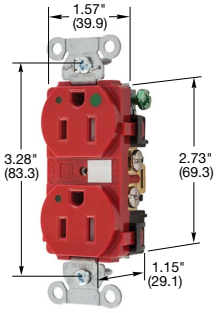
8200REDLTRA



8200WHI



8200TRA



8200REDLTRA

Dimensions in Inches (mm)

Hubbell-PRO Extra Heavy Duty Hospital Grade ● Receptacles



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Duplex	Color	Catalog Number	
Hospital grade, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BK**	**8300BK**
	Brown	**8200**	**8300**
	Gray	**8200GY**	**8300GY**
	Ivory	**8200IV**	**8300IV**
	Light Almond	**8200LA**	**8300LA**
	Red	**8200RED**	**8300RED**
	White	**8200WHI**	**8300WHI**
TR Hospital grade, Tamper-Resistant, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BKTRA**	**8300BKTRA**
	Brown	**8200TRA**	**8300TRA**
	Gray	**8200GYTRA**	**8300GYTRA**
	Ivory	**8200IVTRA**	**8300IVTRA**
	Light Almond	**8200LATRA**	**8300LATRA**
	Red	**8200REDTRA**	**8300REDTRA**
	White	**8200WTRA**	**8300WTRA**
PWR Hospital grade, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BKL**	**8300BKL**
	Brown	**8200L**	**8300L**
	Gray	**8200GYL**	**8300GYL**
	Ivory	**8200IVL**	**8300IVL**
	Light Almond	**8200LAL**	**8300LALM**
	Red	**8200REDL**	**8300REDL**
	White	**8200WL**	**8300WL**
PWR TR Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA.	Black	**8200BKLTRA**	**8300BKLTRA**
	Brown	**8200LTRA**	**8300LTRA**
	Gray	**8200GYLTRA**	**8300GYLTRA**
	Ivory	**8200IVLTRA**	**8300IVLTRA**
	Light Almond	**8200LALTRA**	**8300LALTRA**
	Red	**8200REDLTRA**	**8300REDLTRA**
	White	**8200WLTRA**	**8300WLTRA**

Note: See pages A-47 and A-48 for accessories.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See section O for wallplates.

The products listed on this page are Assembled in USA, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

Features and Benefits

Hubbell-PRO Extra Heavy Duty Receptacles

- Nylon face and base construction
- Triple-wipe power contacts
- Circuit ID marking area
- Combination Tamper-Resistant and LED for pediatric emergency circuits
- Galvanized steel mounting strap
- Automatic self-grounding staple
- Back and side wiring



2182IVLTRA

Hubbell-PRO Extra Heavy Duty Hospital Grade ● Receptacles

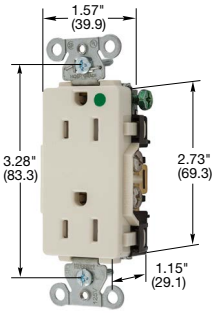


15A 125V
NEMA 5-15R
UL CSA
0.5 HP

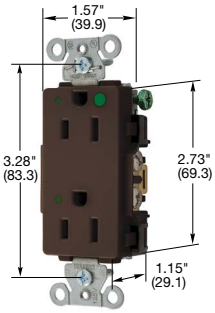


20A 125V
NEMA 5-20R
UL CSA
1 HP

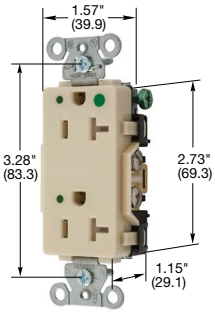
Style Line® Decorator	Color	Catalog Number	
Hospital grade, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BK**	**2182BK**
	Brown	**2172**	**2182**
	Gray	**2172GY**	**2182GY**
	Ivory	**2172IV**	**2182IV**
	Light Almond	**2172LA**	**2182LA**
	Red	**2172RED**	**2182RED**
	White	**2172W**	**2182W**
Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BKTRA**	**2182BKTRA**
	Brown	**2172TRA**	**2182TRA**
	Gray	**2172GYTRA**	**2182GYTRA**
	Ivory	**2172IVTRA**	**2182IVTRA**
	Light Almond	**2172LATRA**	**2182LATRA**
	Red	**2172REDTRA**	**2182REDTRA**
	White	**2172WTRA**	**2182WTRA**
Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BKL**	**2182BKL**
	Brown	**2172L**	**2182L**
	Gray	**2172GYL**	**2182GYL**
	Ivory	**2172IVL**	**2182IVL**
	Light Almond	**2172LAL**	**2182LAL**
	Red	**2172REDL**	**2182REDL**
	White	**2172WL**	**2182WL**
Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	**2172BKLTRA**	**2182BKLTRA**
	Brown	**2172LTRA**	**2182LTRA**
	Gray	**2172GYLTRA**	**2182GYLTRA**
	Ivory	**2172IVLTRA**	**2182IVLTRA**
	Light Almond	**2172LALTRA**	**2182LALTRA**
	Red	**2172REDLTRA**	**2182REDLTRA**
	White	**2172WLTRA**	**2182WLTRA**



2172LATRA



2172L



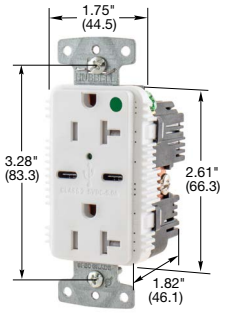
2182IVLTRA

Note: See pages A-47 and A-48 for accessories.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See section O for wallplates.

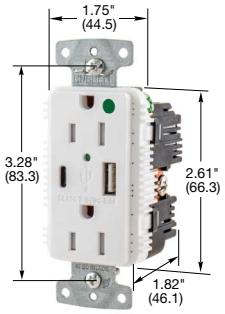
The products listed on this page are Assembled in USA, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

Dimensions in Inches (mm)

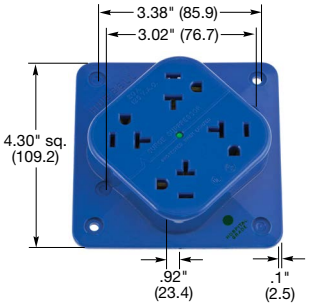
15 and 20 Ampere, 125 Volts



USB8300C5W



USB8200AC5W



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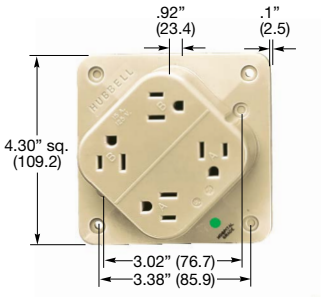

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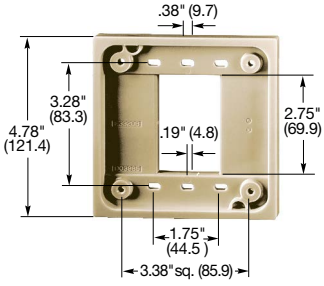


HBL4API

Dimensions in Inches (mm)

Hospital Grade ● USB Charger Type-C, Type A&C and Type A

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

c UL us

Description	Color	Catalog Number	
Hospital Grade USB Charger Outlet: two Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	**USB8200C5BK**	**USB8300C5BK**
	Brown	**USB8200C5**	**USB8300C5**
	Gray	**USB8200C5GY**	**USB8300C5GY**
	Ivory	**USB8200C5I**	**USB8300C5I**
	Light Almond	**USB8200C5LA**	**USB8300C5LA**
	Red	**USB8200C5R**	**USB8300C5R**
	White	**USB8200C5W**	**USB8300C5W**
Hospital Grade USB Charger Outlet: one Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	**USB8200AC5BK**	**USB8300AC5BK**
	Brown	**USB8200AC5**	**USB8300AC5**
	Gray	**USB8200AC5GY**	**USB8300AC5GY**
	Ivory	**USB8200AC5I**	**USB8300AC5I**
	Light Almond	**USB8200AC5LA**	**USB8300AC5LA**
	Red	**USB8200AC5R**	**USB8300AC5R**
	White	**USB8200AC5W**	**USB8300AC5W**
Hospital Grade USB Charger Outlet: two Type A port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	**USB8200A5BK**	**USB8300A5BK**
	Brown	**USB8200A5**	**USB8300A5**
	Gray	**USB8200A5GY**	**USB8300A5GY**
	Ivory	**USB8200A5I**	**USB8300A5I**
	Light Almond	**USB8200A5LA**	**USB8300A5LA**
	Red	**USB8200A5R**	**USB8300A5R**
	White	**USB8200A5W**	**USB8300A5W**

Note: See page A-7 for additional information on USB charger devices.

4-PLEX® Hospital Grade ● Receptacles

Description	Color	Catalog Number	
4 outlet high impact resistant Polycarbonate construction. Mount to 4 in. square box.	Brown	**HBL415H**	**HBL420H**
	Gray	**–**	**HBL420HGY**
	Ivory	**HBL415HI**	**HBL420HI**
	Red	**HBL415HR**	**HBL420HR**
	White	**HBL415HW**	**HBL420HW**
4-PLEX surge protection receptacles with lights, 80 joules, 6.5kA peak current.	Blue	**—**	**HBL420HS**
	Ivory	**—**	**HBL420HIS**
	Red	**—**	**HBL420HRS**

4-PLEX® Accessories

Description	Color	Catalog Number
4-PLEX adapter plates for 1- and 2-gang, device boxes.	Blue	**HBL4APBL**
	Brown	**HBL4AP**
	Gray	**HBL4APGY**
	Ivory	**HBL4API**
	Orange	**HBL4APO**
	Red	**HBL4APR**
	White	**HBL4APW**
4-PLEX Portable Box, 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord.	Black	**HBL4PBBK**
	Brown	**HBL4PB**
	Ivory	**HBL4PBI**

Note: 4-PLEX Box is not UL listed or CSA Certified. UL listing does not apply when 4-PLEX Receptacle is used with 4-PLEX Box in extension cord application. Supplied with one cord clamp.

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY



15A 125V
NEMA 5-15P
UL CSA



20A 125V
NEMA 5-20P
UL CSA

Hospital Grade ● Plugs

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8215C**	**HBL8315C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8215CT**	**HBL8315CT**
8 position angle plug, transparent housing.	.250"-.655" (6.4-16.6)	**HBL8215CAT***	**HBL8315CAT***

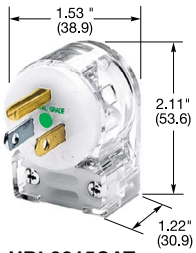
Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8115V**	**HBL8364V**
Insulation displacement, white nylon.	.300"-.360" (7.6-9.1)	**HBL8013V***	–

*Note: *Not Fed. Spec. Listed.*
See page A-48 for accessories



HBL8215C



HBL8215CAT

IP20 SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Hospital Grade ● Connector Bodies

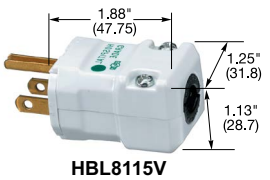
Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL8219C**	**HBL8319C**
Transparent housing.	.230"-.720" (5.8-18.3)	**HBL8219CT**	**HBL8319CT**

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	**HBL8119V**	–

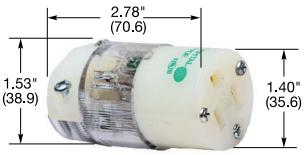
Note: See page A-49 for accessories.



HBL8115V



HBL8219C



HBL8219CT

IP20 SUITABILITY



15A 250V
NEMA 6-15P
UL CSA
1.5 HP



20A 250V
NEMA 6-20P
UL CSA
2 HP

Hospital Grade ● Plugs

Valise®

Description	Cord Diameter	Catalog Number	
Valise plug, white nylon.	.300"-.660" (7.6-16.8)	**HBL8666V**	**HBL8464V**

Note: HP ratings listed above are based on 208 to 240V AC only.



HBL8119V



15A 250V
NEMA 6-15R
UL CSA
1.5 HP

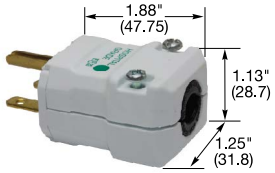


20A 250V
NEMA 6-20R
UL CSA
2 HP

Hospital Grade ● Connector Bodies

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	–	**HBL8469V**



HBL8666V

Dimensions in Inches (mm)

Fed.Spec.

Features and Benefits

Extra Heavy Duty Hospital Grade ● GFCI Receptacles Tamper-Resistant and Weather Resistant

- Corrosion resistant construction includes nickel plated brass mounting strap, line/load terminals, face contacts, internal contacts and wiring terminal clamps; stainless steel terminal and mounting screws
- Selective double layer conformal coating of printed circuit board, critical components and connections
- Superior materials including polyester “V0” thermoplastic housing (UV Resistant); 7025 high thermal conductivity copper alloy contacts
- Dust Test (UL 943) compliant; resistance to contaminants, moisture and dust
- Three indicators: power solid green, GF/trip solid red, end of life flashing red

Meets UL Standard 943 Class A GFCI



GF5262SGBK



GF8300SGW

AUTOGUARD® Self Test Hospital Grade ● Tamper and Weather Resistant GFCI Receptacles



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Rating	Color	Catalog Number	
Hospital Grade Extra Heavy Duty Industrial Ground Fault Receptacle Feed Through, Tamper and Weather Resistant	15 and 20A 125V AC	Black	**GF8200SGBK**	**GF8300SGBK**
		Brown	**GF8200SG**	**GF8300SG**
		Gray	**GF8200SGGY**	**GF8300SGGY**
		Ivory	**GF8200SGI**	**GF8300SGI**
		Red	**GF8200SGR**	**GF8300SGR**
		White	**GF8200SGW**	**GF8300SGW**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color thermoplastic wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feed-through capability.
See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

GFCI Receptacle Specifications per GFCI Products Listed (Pages L-12 to L-15)

Trip Level	4 to 6 mA.
Trip Time	.025 second nominal.
Frequency	60 Hz.
Voltage	120V AC +10% - 15% (102V to 132V).
Amperage	15A/20A, 20A Feed-Thru.
Maximum Interrupting Capacity	10,000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Dust Resistant	Meets UL 943, section 6.20 for resistance to dust contaminants
Corrosion Resistant	Meets UL 943, section 6.21 for resistance to corrosion
FCC Part 15 Class B	Certified conformance to radiated and conducted emission testing per FCC
Immunity to noise	Exceed UL 943 of .5V over a frequency range of 150kHz to 230MHz disturbances
Listings and Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978 CSA Certified.
Codes	Meets all NEC® and CEC requirements. NEMA WD-6 ANSI 73.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Features and Benefits

Commercial Tamper-Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Compliant with NEC® 406.12 and NEC® 517-18(c)
- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Alarm version provides audible notification of a trip condition

Meets UL Standard 943
Class A GFCI



GFTRST83B



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Hospital Grade ● Tamper-Resistant GFCI Receptacles

Description	Rating	Color	Catalog Number	
Night Light Two LED Night Lights, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFTRST82BKNL**	**GFTRST83BKNL**
		Brown	**GFTRST82NL**	**GFTRST83NL**
		Gray	**GFTRST82GYNL**	**GFTRST83GYNL**
		Ivory	**GFTRST82INL**	**GFTRST83INL**
		Light Almond	**GFTRST82LANL**	**GFTRST83LANL**
		Red	**GFTRST82RNL**	**GFTRST83RNL**
		White	**GFTRST82WNL**	**GFTRST83WNL**
Alarm, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFTRST82BKB**	**GFTRST83BKB**
		Brown	**GFTRST82B**	**GFTRST83B**
		Gray	**GFTRST82GYB**	**GFTRST83GYB**
		Ivory	**GFTRST82IB**	**GFTRST83IB**
		Light Almond	**GFTRST82LAB**	**GFTRST83LAB**
		Red	**GFTRST82RB**	**GFTRST83RB**
		White	**GFTRST82WB**	**GFTRST83WB**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.
See page Tech-10 for Tamper-Resistant description.



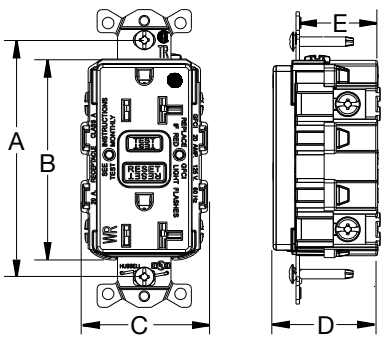
GFTRST83WNL



GFTRST83GYB

Product Dimensions

	GFCI Receptacle
A	3.27 (83.1)
B	2.75 (69.8)
C	1.75 (44.5)
D	1.47 (37.4)
E	1.10 (27.9)



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Fed.Spec.

Features and Benefits

Commercial Tamper and Weather Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Meets NEC® requirements for TR (517-18c) and WR (406.9), UV and corrosion resistance for harsh and damp applications
- Patented AUTOGUARD® self test technology
- Protects against line and load reversal, no power to the face or downstream if device is miswired

Meets UL Standard 943 Class A GFCI



GFTWRST83WIG



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP



GFTWRST82AL



GFTWRST83GYU



GFTWRST82BKIG



GFTWRST83SNAPI



SNAP1RA

Hospital Grade ● Tamper-Resistant and Weather Resistant GFCI Receptacles

Description	Rating	Color	Catalog Number	
Standard, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFTWRST82BK**	**GFTWRST83BK**
		Brown	**GFTWRST82**	**GFTWRST83**
		Gray	**GFTWRST82GY**	**GFTWRST83GY**
		Ivory	**GFTWRST82I**	**GFTWRST83I**
		Light Almond	**GFTWRST82LA**	**GFTWRST83LA**
		Red	**GFTWRST82R**	**GFTWRST83R**
		White	**GFTWRST82W**	**GFTWRST83W**
Assembled in USA, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFTWRST82BKU**	**GFTWRST83BKU**
		Brown	**GFTWRST82U**	**GFTWRST83U**
		Gray	**GFTWRST82GYU**	**GFTWRST83GYU**
		Ivory	**GFTWRST82IU**	**GFTWRST83IU**
		Light Almond	**GFTWRST82LAU**	**GFTWRST83LAU**
		Red	**GFTWRST82RU**	**GFTWRST83RU**
		White	**GFTWRST82WU**	**GFTWRST83WU**
Isolated Ground, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFTWRST82BKIG**	**GFTWRST83BKIG**
		Brown	**GFTWRST82IG**	**GFTWRST83IG**
		Gray	**GFTWRST82GYIG**	**GFTWRST83GYIG**
		Ivory	**GFTWRST82IIG**	**GFTWRST83IIG**
		Light Almond	**GFTWRST82LAIG**	**GFTWRST83LAIG**
		Orange	**GFTWRST82ORIG**	**GFTWRST83ORIG**
		Red	**GFTWRST82RIG**	**GFTWRST83RIG**
		White	**GFTWRST82WIG**	**GFTWRST83WIG**
SNAPConnect®, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFTWRST82SNAPBK**	**GFTWRST83SNAPBK**
		Brown	**GFTWRST82SNAP**	**GFTWRST83SNAP**
		Gray	**GFTWRST82SNAPGY**	**GFTWRST83SNAPGY**
		Ivory	**GFTWRST82SNAPI**	**GFTWRST83SNAPI**
		Light Almond	**GFTWRST82SNAPLA**	**GFTWRST83SNAPLA**
		Red	**GFTWRST82SNAPR**	**GFTWRST83SNAPR**
		White	**GFTWRST82SNAPW**	**GFTWRST83SNAPW**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.
See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

SNAP*Connect*® Right Angle Pigtailed Connector

Description	Wire Type	General Use	Assembled in USA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.	Solid	**SNAP1RA**	**SNAP1RNA**
	Stranded	**SNAP2RA**	**SNAP2RNA**
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	**SNAP1RAM2**	**SNAP1RNAM2**
	Stranded	**SNAP2RAM2**	**SNAP2RNAM2**

Note: For Assembled in USA products, must order connector with NA suffix.
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Features and Benefits

Commercial Standard Hospital Grade ● GFCI Receptacles

- Fed. Spec UL Listed, Hospital Grade
- Green power indicator and red trip indicator
- Patented AUTOGUARD® self test technology
- Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple

Meets UL Standard 943 Class A GFCI



GFRST82WNL



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Hospital Grade ● GFCI Receptacles

Description	Rating	Color	Catalog Number	
Standard, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFRST82BK**	**GFRST83BK**
		Brown	**GFRST82**	**GFRST83**
		Gray	**GFRST82GY**	**GFRST83GY**
		Ivory	**GFRST82I**	**GFRST83I**
		Light Almond	**GFRST82LA**	**GFRST83LA**
		Red	**GFRST82R**	**GFRST83R**
		White	**GFRST82W**	**GFRST83W**
Assembled in USA, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFRST82BKU**	**GFRST83BKU**
		Brown	**GFRST82U**	**GFRST83U**
		Gray	**GFRST82GYU**	**GFRST83GYU**
		Ivory	**GFRST82IU**	**GFRST83IU**
		Light Almond	**GFRST82LAU**	**GFRST83LAU**
		Red	**GFRST82RU**	**GFRST83RU**
		White	**GFRST82WU**	**GFRST83WU**
Night Light Two LED Night Lights, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFRST82BKNL**	**GFRST83BKNL**
		Brown	**GFRST82NL**	**GFRST83NL**
		Gray	**GFRST82GYNL**	**GFRST83GYNL**
		Ivory	**GFRST82INL**	**GFRST83INL**
		Light Almond	**GFRST82LANL**	**GFRST83LANL**
		Red	**GFRST82RNL**	**GFRST83RNL**
		White	**GFRST82WNL**	**GFRST83WNL**
Alarm, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFRST82BKB**	**GFRST83BKB**
		Brown	**GFRST82B**	**GFRST83B**
		Gray	**GFRST82GYB**	**GFRST83GYB**
		Ivory	**GFRST82IB**	**GFRST83IB**
		Light Almond	**GFRST82LAB**	**GFRST83LAB**
		Red	**GFRST82RB**	**GFRST83RB**
		White	**GFRST82WB**	**GFRST83WB**
SNAPConnect®, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black	**GFRST82SNAPBK**	**GFRST83SNAPBK**
		Brown	**GFRST82SNAP**	**GFRST83SNAP**
		Gray	**GFRST82SNAPGY**	**GFRST83SNAPGY**
		Ivory	**GFRST82SNAPI**	**GFRST83SNAPI**
		Light Almond	**GFRST82SNAPLA**	**GFRST83SNAPLA**
		Red	**GFRST82SNAPR**	**GFRST83SNAPR**
		White	**GFRST82SNAPW**	**GFRST83SNAPW**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.
Requires pigtailed connector see page L-14.



GFRST82R



GFRST83INL

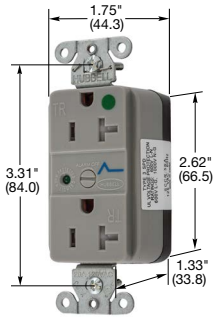


GFRST83BKB

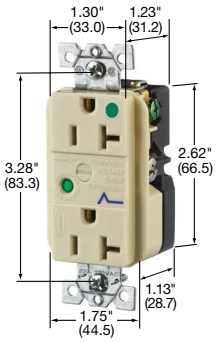


GFRST83SNAPGY

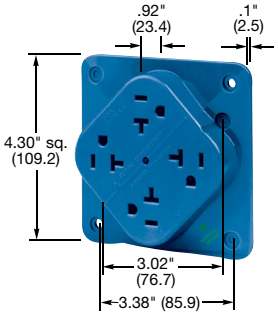
Surge Protection Devices



SNAP8362GYS



HBL8362ISA



HBL420HS



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Hospital Grade ● Circuit Guard® Receptacles

Description	Color	Catalog Number	
SNAP*Connect*® Tamper-Resistant, surge supression duplex receptacle, smooth face, 240 joules, 15000A peak current. Requires Snap connector on page L-14, sold separately.	Blue	**SNAP8262S**	**SNAP8362S**
	Gray	**SNAP8262GYS**	**SNAP8362GYS**
	Ivory	**SNAP8262IS**	**SNAP8362IS**
	Light Almond	**SNAP8262LAS**	**SNAP8362LAS**
	Red	**SNAP8262RS**	**SNAP8362RS**
	White	**SNAP8262WS**	**SNAP8362WS**
Surge suppression receptacles with light and alarm, 240 joules, 15000A peak current.	Blue	**HBL8262SA**	**HBL8362SA**
	Gray	**HBL8262GYSA**	**HBL8362GYSA**
	Ivory	**HBL8262ISA**	**HBL8362ISA**
	Red	**HBL8262RSA**	**HBL8362RSA**
	White	**HBL8262WSA**	**HBL8362WSA**
Isolated ground, surge suppression receptacles with light and alarm, 240 joules, 15000A peak current.	Blue	**IG8262SA**	**IG8362SA**
	Gray	**IG8262GYSA**	**IG8362GYSA**
	Ivory	**IG8262ISA**	**IG8362ISA**
	Orange	**IG8262OSA**	**IG8362OSA**
	Red	**IG8262RSA**	**IG8362RSA**
	White	**IG8262WSA**	**IG8362WSA**
4-PLEX® surge suppression receptacles with lights, 80 joules, 6500A peak current.	Blue	–	**HBL420HS**
	Ivory	–	**HBL420HIS**
	Red	–	**HBL420HRS**

Note: See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.

4-PLEX® Accessories

Description	Color	Catalog Number
4-PLEX Adapter Plates for 1- and 2-gang, and 4 in. (101.6) square device boxes.	Blue	**HBL4APBL**
	Ivory	**HBL4API**
	Red	**HBL4APR**
4-PLEX Portable Box, 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord.	Ivory	**HBL4PBI**

Note: 4-PLEX Box is not UL Listed.

UL2930 Listed

UL2930 Health Care Outlet Assembly (HCOA)

Description	# of Outlets	Cord Length	Color	15 Amp	20 Amp
UL 2930 HCOA with L-N surge protection.	6	6'	White	**HBL6MG6**	**HBL6MG620**
	6	15'	White	**HBL6MG15**	**HBL6MG1520**
UL 2930 HCOA, Relocatable Power Tap (RPT).	6	6'	White	**HBL6MGRPT6**	**HBL6MGRPT620**
	6	15'	White	**HBL6MGRPT15**	**HBL6MGRPT1520**



HBL6MGRPT620

Listed to UL1449

SpikeShield® Surge Protective Devices (SPD) with Tamper-Resistant Receptacles and Heavy Duty Plug

Description	# of Outlets	Cord Length	Color	15 Amp	20 Amp
Type 3 SPD, Heavy Duty metal housing.	6	6'	White	**HBL6HG6**	**HBL6HG620**
	6	15'	White	**HBL6HG15**	**HBL6HG1520**
UL Type 3 SPD, Heavy Duty metal housing with 2-port USB.	4	6'	White	**HBL6HGUSB6**	—



HBL6HGUSB6

Dimensions in Inches (mm)

Hubbellock® Plugs, Connector Bodies and Receptacles

For Hospital Use Only





20A 125V AC

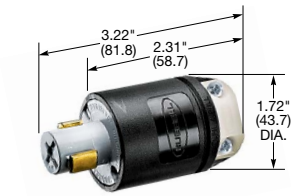


20A 125V AC

Hubbellock® Plugs and Connector Bodies

Description	Plugs	Connector Bodies
Nylon cover, thermoset interior.	**HBL23014HGB**	**HBL23001HGB**
Armored, epoxy filled, rubber cord grip.	**HBL23004HG**	–

Note: Cord clamp range for plug and connector .300" to .660" (7.6 to 16.8).



HBL23014HGB

Receptacles

Description	Catalog Number	
Black, back wired.	–	**HBL23000HG**



HBL23001HGB

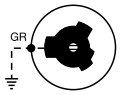
Wallplates

Description	Catalog Number
Stainless steel 302/304, single-gang.	**HBL23901HG**
Stainless steel 302/304, three-gang for two receptacles.	**HBL23909HG**

Note: Suffix HG or HGB type for hospital use only.



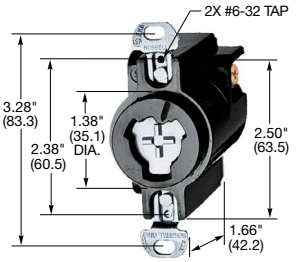
IP30
SUITABILITY



20A 125V AC

Explosion Proof Plug

Description	Catalog Number
Plug, with, epoxy kit, accepts #12 or #14 type SO cable.	**HBL24312**

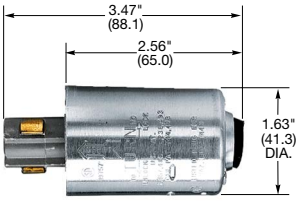


HBL23000HG

Hazardous to Non-hazardous Location Receptacle Conversion Kits

Conversion kits for replacement of explosion proof receptacles listed above, with non-explosion proof receptacles, in the hospital areas formerly classified as hazardous locations and now classified non-hazardous locations due to the change from flammable anesthetizing gases to nonflammable anesthetizing gases.

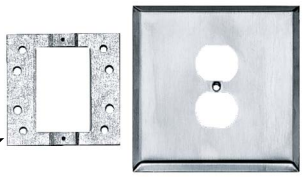
For Conversion To:	Catalog Number
20A, 125V, duplex receptacle (Hubbell HBL830 Series). Includes adapter ring and stainless steel wall plate for duplex receptacle (receptacle not included).	**HBL24300RKD**
20A, 125V, Hospital Hubbellock receptacle (Hubbell HBL23000HG) or 20A, 125V, straight blade single receptacle (Hubbell HBL8310 series). Includes adapter ring and stainless wall plate for single receptacle (receptacle not included.	**HBL24300RKS**



HBL24312



24352 Low-profile style explosion-proof receptacle (now discontinued).



HBL24300RKD Retrofit kit for duplex receptacles.



HBL24300RKD Duplex retrofit kit accepts 20A duplex straight blade hospital grade receptacles (HBL8300, HBL8300I, IG8300, etc.). Order receptacles separately.



HBL24300RKS Retrofit kit for single receptacles.



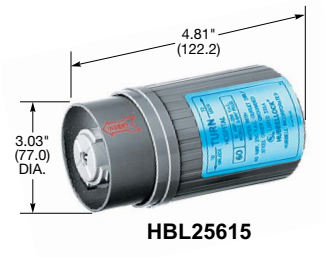
HBL24300RKS Single retrofit accepts hospital only Hubbellock single receptacles (Hubbell HBL23000HG) or 20A single straight blade hospital grade receptacles (Hubbell HBL8310, HBL8310I, IG8310, etc.). Order receptacles separately.

Dimensions in Inches (mm)

Hubbellock® Mobile X-Ray Devices



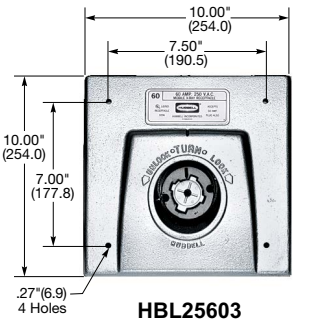
HBL25515



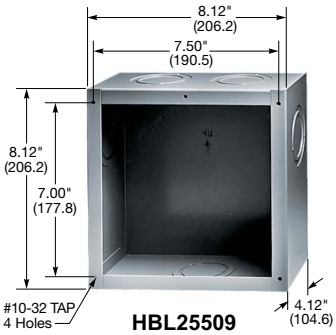
HBL25615



HBL25605

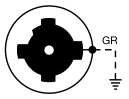


HBL25603

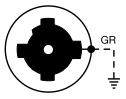


HBL25509

IP30
SUITABILITY



50A 250V AC

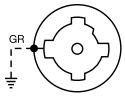


60A 250V AC

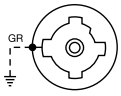
Mobile X-Ray Plugs

Description	Catalog Number	
Plug, with epoxy kit, less cord clamp.	**HBL25515**	**HBL25615**
Plug, with cord clamp, less epoxy kit.	**HBL25525**	**HBL25625**

Note: Cord clamp range of plugs with cord clamps .830" to 1.3" (21.1 to 33.0).
50A plugs fit 50A or 60A receptacles.



50A 250V AC



60A 250V AC

Mobile X-Ray Receptacles

Description	Catalog Number	
Receptacle with stainless steel plate assembly.	**HBL25505**	**HBL25605**
Receptacle with cast aluminum plate assembly.	**HBL25503**	**HBL25603**
Replacement receptacle interior.	**–**	**IN16494**

Accessory

Description	Catalog Number
Box stamped steel 8" x 8" x 4" (203.2 x 203.2 x 101.6), accommodates 50A and 60A mobile X-ray receptacles. Knockout sizes 1¼", 1½" and 2".	**HBL25509**

Dimensions in Inches (mm)

SECTION M

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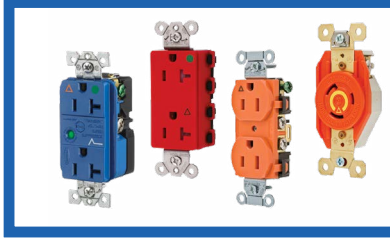
Surge Protection Panels & Wired-In Branch Panels



SpikeShield® Surge Protection Plug Strips



Surge Protection & Isolated Ground Receptacles



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SpikeShield® Power Quality Products

Products at a Glance



Surge Protection Panels and Wired-In Branch Panels

- 320,000, 160,000 and 120,000 peak amp capacity
- Wired-in branch panel protection 100,000 peak amp capacity
- Wired-in surge arrestors, single phase 36,000 and three phase 40,000
- Wired-in surge protective devices 50,000 peak amp capacity



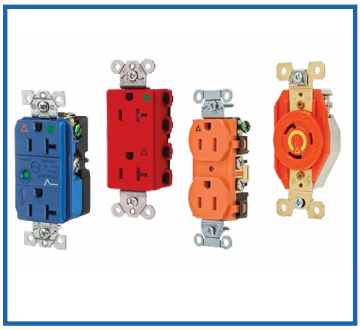
SpikeShield® Surge Protection Plug Strips

- UL2930 Healthcare Outlet Assemblies
- UL1449 Surge Protective Devices
- 15A and 20A versions
- Available in metallic and non-metallic
- 6 foot or 15 foot cords available
- USB ports included in several models



Surge Protection Receptacles

- Available in Specification and Hospital Grade versions
- SNAPConnect® version with tamper-resistant shutters
- Isolated Ground Specification and Hospital Grade SPD's available



Isolated Ground Receptacles

- Available in Specification and Hospital Grade versions
- Twist-Lock® Isolated Ground available
- Isolated Ground SPD's also available

Features and Benefits

Hubbell Surge Protective Devices (SPD)

A cascading approach is recommended for optimal surge protection of any facility or home. A cascading approach includes surge protection at the service entrance, branch panel and the point-of-use. Hubbell offers a comprehensive offering of panel surge products, innovative surge strips and the broadest surge receptacle offering in the industry.

The SpikeShield® line of panel surge protective devices offers a broad selection of products to meet the many requirements of industrial, commercial, institutional and residential applications. Hubbell offers a complete offering of high quality, cost effective panel surge products.

- All panel surge products are UL1449 4th edition listed
- Protection levels from 50 kA to 320 kA to handle all real world surge events
- 120, 160 and 320 kA versions feature bus bar construction, bolt down modules, surge counter and a metallic NEMA 1 enclosure
- Hubbell's wired-in surge units are ideal for service entrance, branch panel, or point of use applications such as protecting variable speed drives or other sensitive equipment on the plant floor





Housing Design

- Surface mounting
- Compact design with bus-bar pathways, allows installation in areas with space restrictions
- NEMA 1 enclosure
- All panel products are UL Listed to Standard 1449 4th edition



Interior Design

- Bolt-down modules, assures positive connection and allows for easy replacement
- Thermal fuse prevents the MOVs from overheating when exposed to high current levels
- Peak amp capacity for 120kA, 160kA and 320kA, protects equipment under the worst electrical conditions



Optional Disconnect Models

- 160 kA and 320 kA surge panels are available with an optional integral disconnect
- Integral switch allows power to SPD to be disconnected before opening the enclosure door



Protection

- Diagnostics panel
- LED and audible alarm for module failure with silencing
- UL 1449 Type 1 to be used in both Type 1 and Type 2 applications
- Type 1 SPD's can be located at any point in the electrical system, on the line or load side of the equipment over-current device

320kA and 160kA Service/Branch Panel Protection

The SpikeShield® service entrance product line includes a line of panels with replaceable modules. This series features improved performance through the use of a low impedance bus-bar design and easily replaceable bolt-down modules.

They incorporate a modular (replaceable surge protection modules) design and feature the latest industry approvals and safety ratings. Including UL1449 4th edition.

- Improved performance through the use of a low impedance bus-bar design
- Replaceable surge protection modules
- Surge counter included in all units
- NEMA 1 enclosure
- LED and audible alarm status indicator



HBL4P320DB



HBL10P160DB

Service/Branch Panel Protection 320,000 Peak Amp Capacity (Type 1 SPD)

Voltage	Configuration	Catalog Number	With Disconnect	Replacement Module
120/240V AC Single Phase	1Ph. 3-wire +G	-	**HBL3P320DB**	**HBL160M120B**
120/208V AC Wye*	3Ph. Wye 4-wire +G	**HBL4P320B**	**HBL4P320DB**	**HBL160M120B**
277/480V AC Wye**	3Ph. Delta 3-wire +G	**HBL8P320B**	-	**HBL160M480B**
347/600V AC Wye	3Ph. Wye 4-wire +G	**HBL10P320B**	**HBL10P320DB**	-

Service/Branch Panel Protection 160,000 Peak Amp Capacity (Type 1 SPD)

Voltage	Configuration	Catalog Number	With Disconnect	Replacement Module
120/240V AC Single Phase	1Ph. 3-wire +G	-	**HBL3P160DB**	**HBL160M120B**
120/208V AC Wye*	3Ph. Wye 4-wire +G	**HBL4P160B**	**HBL4P160DB**	**HBL160M120B**
347/600V AC Wye	3Ph. Wye 4-wire +G	**HBL10P160B**	**HBL10P160DB**	**HBL160M347B**
600V AC Delta	3Ph. Delta 3-wire +G	**HBL11P160B**	-	-

Note: Units come standard with Surge Counter.
**120/208 Wye also applies to 127/220 Wye.*
***277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.*

(1) Not available in stainless steel for 320 and 480 kA
(2) Do not use on undergrounded systems. Systems must be solidly grounded
(3) 208Y/120 series also applies to the following voltage 220Y/127
(4) Can be used on 4-wire or 3-wire grounded wye systems with or without nuetral
(5) 480Y/277 series applies to the following voltages 380Y/220, 400Y/230, and 415Y/240
(6) 480 V Delta series also applies to the following voltage 480Y/277V HRG
(7) 600 V Delta series also applies to the following voltage 600Y/347V HRG

Electrical Specifications

					Voltage Protection Rating (VPR)							
					L-N		L-G		N-G		L-L	
320kA Panel	160kA Panel	SCCR ◊	I_n	MCOV †	320kA	160kA	320kA	160kA	320kA	160kA	320kA	160kA
-	**HBL3P160B**	200kA	20kA	150V	900	700	900	700	800	600	1500	1000
HBL4P320B	**HBL4P160B**	200kA	20kA	150V	900	700	900	700	800	600	1500	1000
HBL8P320B	-	200kA	20kA	320V	1500	1200	1500	1200	1200	1200	2000	2500
HBL10P320B	**HBL10P160B**	200kA	20kA	420V	1500	1500	1500	1500	1500	1500	2500	2500
-	**HBL11P160B**	200kA	20kA	840V	N/A	N/A	3000	2500	N/A	N/A	2500	2500

Note: Specification applies to both (B) and (DB) series.
◊ SCCR - Short Circuit Current Rating. † MCOV - Maximum Continuous Operating Voltage. I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	320kA and 160kA
Max. Operating Temperature:	-20°F to 149°F (-4°C to 65°C)
Diagnostics Indicators:	Push to Test Diagnostics, Red and Green Status LED's. Dry Contacts, Audible Alarm and Surge Counter
Dimensions:	11.04"W x 22.44"H x 7.87"D (320kA) and 11.04"W x 20.32"H x 5.32"D (160kA)
Weight:	37 lbs. Max. (320kA) and 27 lbs. Max. (160kA)
Terminal Accommodation:	#10 AWG to #2 AWG
Operating Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
Housing Rating:	NEMA 1
Listing:	cULus UL1449 4th edition type 1 SPD, UL1283 5th edition, CSA C22.2 No. 269.2-13 1st edition, CSA 22.2, No. 8-13, 5th edition.
Warranty:	10 year

120kA Service/Branch Panel Protection

The SpikeShield® 120kA branch panel product offering features an economical, compact, modular design.

- Economical, compact, modular design
- Protect branch panels, safety switches and load centers
- Surge counter included in all units
- NEMA 1 enclosure
- LED and audible alarm status indicator
- UL1449 4th edition



HBL8P120C

Service/Branch Panel Protection 120,000 Peak Amp Capacity (Type 1 SPD)

Voltage V AC	Configuration	Catalog Number	Replacement Module
120/240V AC Single Phase	1Ph. 3-wire +G	**HBL3P120C**	-
120/208V AC Wye*	3Ph. Wye 4-wire +G	**HBL4P120C**	-
277/480V AC Wye**	3Ph. Wye 4-wire +G	**HBL8P120C**	-
347/600V AC Wye	3Ph. Wye 4-wire +G	**HBL10P120C**	**HBL10P120CM**

Note: Units come standard with Surge Counter.
**120/208 Wye also applies to 127/220 Wye.*
***277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.*

(1) Not available in stainless steel for 320 and 480 kA
(2) Do not use on undergrounded systems. Systems must be solidly grounded
(3) 208Y/120 series also applies to the following voltage 220Y/127
(4) Can be used on 4-wire or 3-wire grounded wye systems with or without nuetral
(5) 480Y/277 series applies to the following voltages 380Y/220, 400Y/230, and 415Y/240
(6) 480 V Delta series also applies to the following voltage 480Y/277V HRG
(7) 600 V Delta series also applies to the following voltage 600Y/347V HRG

Electrical Specifications

120kA Panel	SCCR ◊	I_n	MCOV †	Voltage Protection Rating (VPR)			
				L-N	L-G	N-G	L-L
HBL3P120C	200kA	20kA	150V	700	700	600	1000
HBL4P120C	200kA	20kA	150V	700	700	600	1000
HBL8P120C	200kA	20kA	320V	1200	1200	1000	2000
HBL10P120C	200kA	20kA	420V	1500	1500	1200	2500

Note: ◊ SCCR - Short Circuit Current Rating. † MCOV - Maximum Continuous Operating Voltage. I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	120kA
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)
Diagnostics Indicators:	Push to Test Diagnostics, Red and Green Status LED's. Dry Contacts, Audible Alarm and Surge Counter
Dimensions:	11.04"W x 11.44"H x 5.32"D
Weight:	23.0 lbs. Max.
Terminal Accommodation:	#10 AWG to #2 AWG
Operating Frequency:	50/60/400 Hz
EMI/RFI:	Up to -30dB
Housing Rating:	NEMA 1
Listing:	cULus UL1449 4th edition type 1 SPD, UL1283 5th edition, CSA C22.2 No. 269.2-13 1st edition, CSA 22.2, No. 8-13, 5th edition.
Warranty:	10 year

Wired-In Branch Panel Protection

The wired-in surge protection device brick design is ideal for areas where space is a major consideration. The surge unit can be mounted directly to the panel through a chase nipple connection which will reduce lead length and impedance while increasing protection levels.

The 100kA product features a NEMA 4X housing and a 200kA SCCR rating.

The SpikeShield wired-in surge protective devices are UL1449 4th edition listed.

- 100,000 Peak Amperage Capacity
- Ideal for areas where space is a major consideration
- Can be mounted directly to the panel through a chase nipple connection to reduce lead length and impedance



HBL9W100C

Wired-In Branch Panel Protection 100,000 Peak Amp Capacity (Type 2 SPD)

Service Voltage	Configuration	Catalog Number
120/240V AC Single Phase	1Ph. 3-wire +G	**HBL3W100C**
120/208V AC Wye*	3Ph. Wye 4-wire +G	**HBL4W100C**
277/480V AC Wye**	3Ph. Wye 4-wire +G	**HBL8W100C**
480V AC Delta	3Ph. Delta 3-wire +G	**HBL9W100C**
347/600V AC Wye	3Ph. Wye 4-wire +G	**HBL10W100C**
600V AC Delta	3Ph. Delta 3-wire +G	**HBL11W100C**

*Note: *120/208 Wye also applies to 127/220 Wye.*
***277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.*
ΔAlso can be used on ungrounded systems.

(1) Not available in stainless steel for 320 and 480 kA
(2) Do not use on undergrounded systems. Systems must be solidly grounded
(3) 208Y/120 series also applies to the following voltage 220Y/127
(4) Can be used on 4-wire or 3-wire grounded wye systems with or without nuetral
(5) 480Y/277 series applies to the following voltages 380Y/220, 400Y/230, and 415Y/240
(6) 480 V Delta series also applies to the following voltage 480Y/277V HRG
(7) 600 V Delta series also applies to the following voltage 600Y/347V HRG

Electrical Specifications

Catalog Number	SCCR ◊	I_n	MCOV †	Voltage Protection Rating (VPR) L-N	L-G	N-G	L-L
HBL3W100C	200kA	20kA	150/270	900	1200	700	1500
HBL4W100C	200kA	20kA	150/270	900	1200	700	1500
HBL8W100C	200kA	20kA	320/640	1200	2000	1000	2500
HBL9W100C	200kA	20kA	640	N/A	N/A	N/A	3000
HBL10W100C	200kA	20kA	390/780	1500	2500	1500	3000
HBL11W100C	200kA	20kA	780	N/A	N/A	N/A	3000

Note: ◊ SCCR - Short Circuit Current Rating.
† MCOV - Maximum Continuous Operating Voltage.
I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:	100kA
Max. Operating Temperature:	-40°F to 140°F (-40°C to 60°C)
Diagnostics Indicators:	Green Status LED's, Audible Alarm, Dry Contacts
Dimensions:	9.9"W x 4.8"H x 3.1"D
Weight:	4.78 lbs.
Terminal Accommodation:	#10 AWG 18.0" Wire Leads
Frequency:	50/60 Hz
EMI/RFI:	Up to -30dB
Housing Rating:	Type 4X
Listing:	cULus UL 1449 4th edition type 2 SPD, UL1283 (Wye prod. only), CSA C22.2 NO. 8-M1986
Warranty:	10 year

Wired-In Surge Arrestors and Protective Devices

Surge Arrestors are a low cost solution that may be installed on the line side or load side of the service entrance. These are also excellent for OEM applications where size is an important variable.

Hubbell's 50kA single phase wired-in high-quality surge protective device features a compact design, NEMA 4X rating and are UL1449 4th edition listed.

- 36,000, 40,000 and 50,000 Peak Amperage Capacity
- Surge arrestors are a low cost solution that may be installed on the line side or load side of the service entrance
- Excellent for OEM applications where size is an important variable
- Single phase wired-in surge protective devices feature a compact design



HBL3W50



HBL4SA40



HBLSDSA36

Wired-In High-Quality Surge Protective Device (Type 1 SPD)

Service Voltage	Configuration	Peak Amp Capacity	Mounting Means	Catalog Number
120/240V AC Single Phase	1Ph. 3-wire + G	50kA	Side Nipple Mount	**HBL3W50**

Wired-In Surge Arrestors, Single Phase and Three Phase (Type 1 SPD)

Service Voltage	Configuration	Peak Amp Capacity	Mounting Means	Catalog Number
120/240V AC Single Phase	1Ph. 3-wire	36kA	Back Nipple Mount	**HBLSDSA36**
120/208V AC Wye*	3Ph. 4-wire	40kA	Back Nipple Mount	**HBL4SA40**
240V AC Delta	3Ph. 3-wire	40kA	Back Nipple Mount	**HBL5SA40**
480V AC Delta	3Ph. 3-wire	40kA	Back Nipple Mount	**HBL9SA40**
347/600V AC Wye	3Ph. 4-wire	40kA	Back Nipple Mount	**HBL10SA40**
600V AC Delta	3Ph. 3-wire	40kA	Back Nipple Mount	**HBL11SA40**

Electrical Specifications

Catalog Number	SCCR ◊	I_n	MCOV †	Voltage Protection Rating (VPR)			
				L-N	L-G	N-G	L-L
HBL3W50	25kA	10kA	150 (L-N, L-G), 300 (L-L)	700	800	N/A	1200
HBLSDSA36	22kA	10kA	150	700	N/A	N/A	1200
HBL4SA40	200kA	10kA	180 (L-N), 360 (L-L)	700	N/A	N/A	1200
HBL5SA40	200kA	10kA	360 (L-L)	N/A	N/A	N/A	1200
HBL9SA40	200kA	10kA	840 (L-L)	N/A	N/A	N/A	2500
HBL10SA40	200kA	10kA	510 (L-N), 1020 (L-L)	1800	N/A	N/A	3000
HBL11SA40	200kA	10kA	1020 (L-L)	N/A	N/A	N/A	3000

Note: ◊ SCCR - Short Circuit Current Rating. † MCOV - Maximum Continuous Operating Voltage. I_n - Nominal discharge current.

Product Specifications

Service Voltage	Single Phase	Single Phase	Three Phase
Max. Surge Current per Phase:	50kA	36kA	40kA
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)
Diagnostics Indicators:	Green Status LED per line	Green Status LED per line	Green Status LED per line
Dimensions:	3.0"W x 3.6"H x 2.67"D	2.25"W x 2.25"H x 1.94"D	3.60"W x 3.0"H x 2.64"D
Weight:	1.8 lbs.	.72 lbs.	1.8 lbs.
Terminal Accommodation:	#12 AWG Wire Leads	#14 AWG Wire Leads	#12 AWG Wire Leads
Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
EMI/RFI:	Up to -30dB	Up to -30dB	Up to -30dB
Housing Rating:	Type 4X	Type 4X	Type 4X
Listing:	UL1449 4th edition	UL1449 4th edition	UL1449 4th edition
Warranty:	10 year	2 year	2 year

Features and Benefits

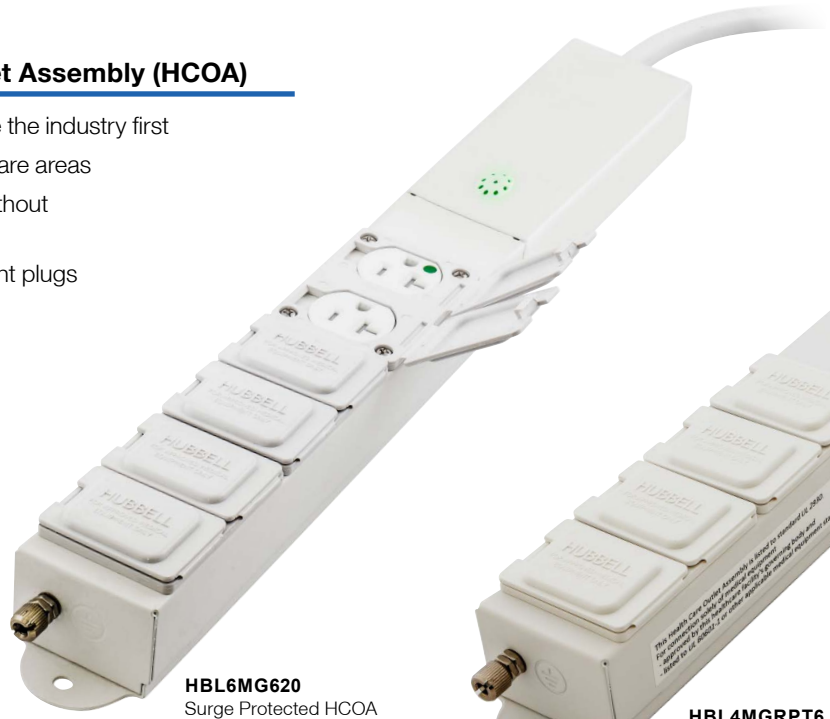
UL2930 Listed

UL2930 Healthcare Outlet Assembly (HCOA)

- Hubbell's UL2930 HCOAs are the industry first
- UL listed product for patient care areas
- Product is available with or without L-N surge protection
- 4 Outlet models feature straight plugs



45° Angle Plug (6 outlet 15A models only)



HBL6MG620
Surge Protected HCOA

HBL4MGRPT6
RPT HCOA



Housing Design and Safety

- First UL2930 product ever sold
- 15A and 20A 125V versions
- Surge or Non-surge protected models in all configurations
- Tamper-resistant flip covers
- Green LED indicates surge protection working



Contacts and Cord

- Equipment grounding terminal
- 6 ft. or 15 ft. cord length
- 12/3 AWG cord on 15A and 20A models
- 45° angle plug (6 outlet 15A models only)
- 90° angle plug (All 4 outlet and all 20A models)



HBL6MG6



HBL4MGRPT6



HBLHCOAMB



ROCMGS

UL2930 Healthcare (6) Outlet Assembly (HCOA)

Description	# of Outlets	Joule Rating	Cord Length	Color	15 Amp	20 Amp
UL2930 HCOA with L-N Surge Protection	6	550	6 Ft.	White	**HBL6MG6**	**HBL6MG620**
	6	550	15 Ft.	White	**HBL6MG15**	**HBL6MG1520**
UL2930 HCOA Relocatable Power Tap (RPT)	6	N/A	6 Ft.	White	**HBL6MGRPT6**	**HBL6MGRPT620**
	6	N/A	15 Ft.	White	**HBL6MGRPT15**	**HBL6MGRPT1520**

UL2930 Healthcare (4) Outlet Assembly (HCOA)

Description	# of Outlets	Joule Rating	Cord Length	Color	15 Amp	20 Amp
UL2930 HCOA with L-N Surge Protection	4	550	6 Ft.	White	**HBL4MG6**	**HBL4MG620**
	4	550	15 Ft.	White	**HBL4MG15**	**HBL4MG1520**
UL2930 HCOA Relocatable Power Tap (RPT)	4	N/A	6 Ft.	White	**HBL4MGRPT6**	**HBL4MGRPT620**
	4	N/A	15 Ft.	White	**HBL4MGRPT15**	**HBL4MGRPT1520**

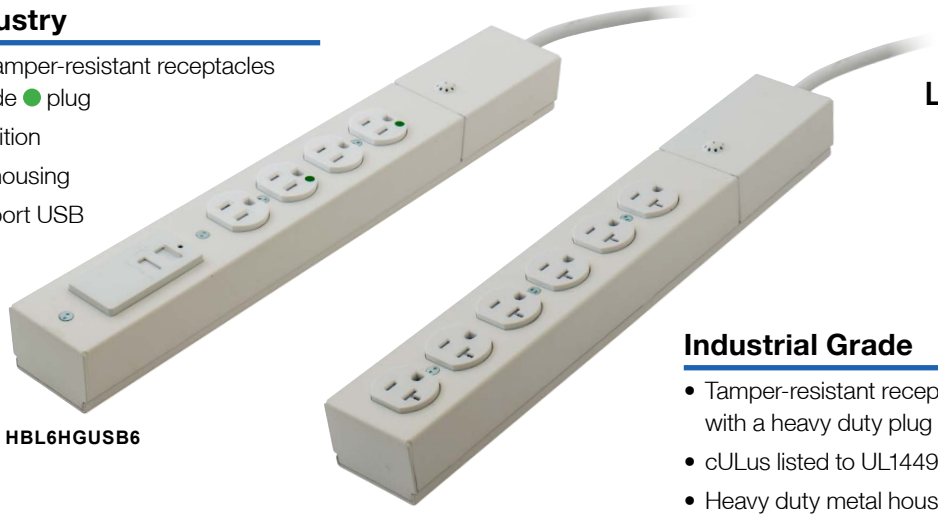
Hubbell HCOA Accessories

Description	Color	Catalog Number
HCOA mounting bracket allows strips to be easily mounted to IV poles or other like medical devices.	Black	**HBLHCOAMB**
HCOA replacement outlet cover	White	**ROCMGS**

SpikeShield® Power Quality Products

Healthcare Industry

- Hospital grade ● tamper-resistant receptacles with a hospital grade ● plug
- cULus 1449 4th edition
- Heavy duty metal housing
- Available with a 2-port USB charging outlet



HBL6HGUSB6

HBL6SS620

Listed to UL1449 and UL1363

Industrial Grade

- Tamper-resistant receptacles with a heavy duty plug
- cULus listed to UL1449 4th edition, UL1363
- Heavy duty metal housing

SpikeShield® Surge Protective Devices (SPD) with Tamper-Resistant Receptacles and Heavy Duty Plug

Description	# of Outlets	Joule Rating	Cord Length	Color	Healthcare Industry 15 Amp	Healthcare Industry 20 Amp	Industrial Grade 15 Amp	Industrial Grade 20 Amp
UL Type 3 SPD, Heavy Duty Metal Housing	6	1100	6'	White	**HBL6HG6**	**HBL6HG620**	**HBL6SS6**	**HBL6SS620**
	6	1100	15'	White	**HBL6HG15**	**HBL6HG1520**	**HBL6SS15**	**HBL6SS1520**
UL Type 3 SPD, Heavy Duty Metal Housing with 2-port USB	4	1100	6'	White	**HBL6HGUSB6**	—	—	—

Metallic Surge Protection Strips

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty	Catalog Number
Metal Power Strip (No surge protection)	6	N/A	N/A	6'	Office White	N/A	**HBL6MPS**
Metal Power Strip (No surge protection)	6	N/A	N/A	15'	Office White	N/A	**HBL6MPS15**
Metal SPD	6	1050	19.5kA	6'	Office White	$2,500	**HBL6MPS1050**
Metal SPD	6	1050	19.5kA	15'	Office White	$2,500	**HBL6MPS105015**
SPD with Wire Management	6	350	6.5kA	6'	Yellow	$2,500	**HBL6PS350YL**
SPD with Wire Management	8	350	6.5kA	6'	Yellow	$2,500	**HBL8PS350YL**



HBL6MPS



HBL6PS350YL



HBL6PS350A

Non-Metallic Surge Protection Strips

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty	Catalog Number
Power Strip (No surge protection)	6	N/A	N/A	6'	Office White	N/A	**HBL6PPS**
SPD	6	350	6.5kA	6'	Office White	$2,500	**HBL6PS350A**
SPD	6	350	6.5kA	15'	Office White	$2,500	**HBL6PS35015A**
SPD with Fax/Modem	6	1050	19.5kA	6'	Office White	$2,500	**HBL6PS1050MA**
SPD	7	1050	19.5kA	6'	Office White	$10,000	**HBL7PS1050A**
SPD with Fax/Modem	7	1050	19.5kA	6'	Office White	$10,000	**HBL7PS1050MA**
SPD	7	1050	19.5kA	15'	Office White	$10,000	**HBL7PS105015A**
SPD with Fax/Modem/CATV	8	2100	39kA	6'	Office White	$25,000	**HBL8PS2100MA**
SPD with Two USB Ports and 90° Angle Plug.	4	1050	19.5kA	6'	Black	$10,000	**HBL4PS1050USBA**



HBL8PS2100MA



HBL4PS1050USBA

Features and Benefits

Listed to UL1363

Heavy Duty Relocatable Power Taps for Industrial, Commercial and Retail Applications

- Heavy-duty 18 gauge galvanized steel housing with durable powder coat finish
- Available in 15A and 20A configurations
- 6 Ft. and 15 Ft. cord length options for all models
- 15A models feature a 45° angle plug
- 20A models feature a 90° angle plug
- All models come with built in circuit breaker for over current protection
- Church-key openings on the back of the RPT for temporary mounting ease
- White powder coat RPTs feature UL Listed Hospital Grade, Tamper-Resistant Receptacles
- Black powder coat RPTs feature Specification Grade, Tamper-Resistant Receptacles



HBL6RPT620

HBL6RPT6BK



Housing Design and Safety

- Heavy-duty 18 gauge galvanized steel housing with durable powder coat finish
- White or Black powder coat RPTs feature Tamper-Resistant Receptacles
- Church-key openings on the back of the RPT for temporary mounting ease



Contacts and Cord

- All models come with built in circuit breaker for over current protection
- 6 ft. or 15 ft. cord length
- 45° angle plug (15A series)
- 90° angle plug (20A series)



HBL6RPT6



HBL6RPT620BK

Relocatable Power Tap with Hospital Grade Tamper-Resistant Receptacles

Description	# of Outlets	Cord Length	Color	15A 125V	20A 125V
RPT, Heavy Duty Metal Housing	6	6 Ft.	White	**HBL6RPT6**	**HBL6RPT620**
	6	15 Ft.	White	**HBL6RPT15**	**HBL6RPT1520**

Relocatable Power Tap with Specification Grade Tamper-Resistant Receptacles

Description	# of Outlets	Cord Length	Color	Catalog Number	20A 125V
RPT, Heavy Duty Metal Housing	6	6 Ft.	Black	**HBL6RPT6BK**	**HBL6RPT620BK**
	6	15 Ft.	Black	**HBL6RPT15BK**	**HBL6RPT1520BK**

Relocatable Power Tap Specifications

Electrical Specifications

Current	15A	20A
Voltage	125V	125V
Frequency	60Hz	60Hz
Over Current Protection	15A CB	20A CB

Physical Specifications

Length	11.12" (282.4)
Width	2.22" (56.4)
Height	1.6" (40.5)

Environmental Specifications

Operating Temperature	-40°F to 160°F (-40°C to 70°C)

Certifications

cULus Listed UL1363 RPT

Specifications

UL2930 Heatlhcare Outlet Assembly

Electrical Specifications	HBL6MG6/15	HBL6MG20/1520	HBL6MGRPT6/15	HBL6MGRPT20/1520
Current	15A	20A	15A	20A
Voltage	125V	125V	125V	125V
Frequency	60Hz	60Hz	60Hz	60Hz
Surge Component	MOV	MOV	N/A	N/A

Performance			
UL VPR	L-N	600V	N/A
	L-G, N-G	N/A	
EMI Noise Filtration:	-11 dB to -68 dB (10kHz to 100MHZ)		
In (Nominal Discharge Current)	3kA		
MCOV	150V		
Peak Current Rating L-N	30KA		
Leakage Current:	<.1mA		
Total Joules (L-N)	550j		

Environmental Specifications

Operating Temperature	-40°F to 160°F (-40°C to 70°C)

Certifications

UL 2930; UL File # E488399;
RoHs Compliant; NFPA 99 2012 ed;
ANSI/IEEE Category A (HBL6MG Series Only)

SpikeShield® Surge Protective Devices (SPD) with Industrial Grade Tamper-Resistant Receptacles and Heavy Duty Plug

Electrical Specifications	15 Amp HBL6SS/HBL6HG Series		20Amp HBL6SS/HBL6HG Series
Current	15A		20A
Voltage	125V		125V
Frequency	60Hz		60Hz
Surge Component	MOV		MOV
Over Current Protection	15A CB		20A CB
2-Port USB (HBL6HGUSB6)	5V DC Type A		N/A
UL VPR	L-N	L-G	N-G
	500V	600V	600V
MCOV	150V		
Peak Current Rating L-N	30KA		
Leakage Current:	<.5mA		
EMI / RFI Noise Rejection	-11 dB to -68 dB (10kHz to 100MHZ)		
Total Joules (all modes)	1100j		

Certifications

cULus Listed to UL1449 4th Edition, UL1363 4th Edition
UL File # E143272
RoHs Compliant
NFPA 99 2012 ed
ANSI / IEEE Category A
cULus Listed to UL1310 (2-Port USB)

Environmental Specifications

Operating Temperature	-40°F to 160°F (-40°C to 70°C)

SpikeShield® Surge Protection Plug Strips

	PS350 Series	MPS350 Series	PS350YL Series	PS1050 Series
Operating Specifications				
Max. Cont. Operating Voltage	130	130	130	130
Operating Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Max Surge Current	6.5 kA	6.5 kA	6.5 kA	19.5 kA
Operating Temperature	----------	-40°F to 160°F (-40°C to 70°C)		----------
Performance				
UL Voltage Protection Rating	400V	400V	400V	400V
MI / RFI Noise Rejection	—	—	—	-20dB
Downline Warranty*	$2,500	$2,500	$2,500	$2,500 (6PS1050) $10,000 (all others)

*See warranty information inside product box for details.

Dimensions

Series	Length	Width	Height
HBL6PS350/1050 Series & HBL6PPS	11.2" (284.5)	2.36" (59.9)	1.85" (47.0)
HBL7PS1050 Series	14.75" (374.7)	2.36" (59.9)	1.85" (47.0)
HBL6MPS Series	12.25" (311.2)	2.5" (63.5)	1.5" (38.1)
HBL6PS350YL	14.75" (374.7)	2.5" (63.5)	1.85" (47.0)
HBL8PS350YL	10.0" (254.0)	6.0" (152.4)	1.85" (47.0)
HBL4PS1050USB	10.38" (263.7))	3.81" (96.8)	1.44" (36.6)

Lexan® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

SpikeShield® Power Quality Products

Features and Benefits

Surge Protection Receptacles

Hubbell offers a broad range SPD receptacles with technology that is unsurpassed. Inside Hubbell SPD receptacles are two 22mm square MOVs providing 240 joules of surge protection for each mode. The nylon component shield protects the printed circuit board from contaminants. An all-glass, conformably coated PC board provides superior moisture immunity for longer life in humid environments.

- Alarmed and non-alarmed versions
- Available in 15A and 20A versions
- Commercial Specification Grade and Hospital Grade
- IG available in all versions



Note: The effectiveness of SPD devices diminishes with the increase in distance between the device and the equipment to be protected.



Housing Design

- Meets UL Standards 1449 4th Edition and 498; CSA Certified
- Impact-resistant nylon face
- Available in Hospital Grade, 4-PLEX®, SNAPConnect® and Tamper-Resistant
- Fits standard wall box



Terminals

- Back and side wiring capability provides easy installation with stranded or solid wire



One-Piece Mounting Strap

- Wrap-around, locked on steel mounting strap provides additional support strength for receptacle assembly
- Automatic self-grounding staple attached to bridge meets NEC® requirements



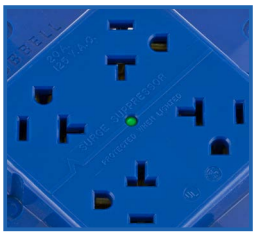
Contacts

- Green grounding screw connected directly to the grounding contacts



Identification

- Distinctive surge symbol provides quick visual identification
- Surge protection indicator light
- Muting screw allows damage-alert alarm to be silenced until device is replaced



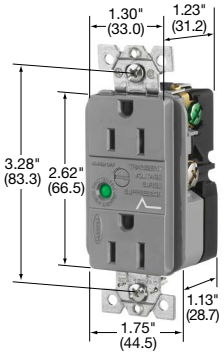
4-PLEX Surge Receptacles

- Distinctive surge symbol
- Surge protection indicator light

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Circuit Guard®, Specification Grade Duplex Receptacles

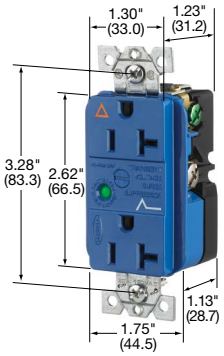
Description	Color	15A 125V NEMA 5-15R UL CSA	20A 125V NEMA 5-20R UL CSA
Surge protection receptacles with light, 240 joules, 15kA peak current.	Blue	**HBL5260SA**	**HBL5360SA**
	Ivory	**HBL5260ISA**	**HBL5360ISA**
	Office White	**HBL5260OWSA**	**HBL5360OWSA**
	White	**HBL5260WSA**	**HBL5360WSA**
Surge protection receptacles with light and alarm, 240 joules, 15kA peak current.	Blue	**HBL5262SA**	**HBL5362SA**
	Gray	**HBL5262GYSA**	**HBL5362GYSA**
	Ivory	**HBL5262ISA**	**HBL5362ISA**
	Office White	**HBL5262OWSA**	**HBL5362OWSA**
	White	**HBL5262WSA**	**HBL5362WSA**
Isolated ground, surge protection receptacles with light and alarm, 240 joules, 15kA peak current.	Blue	**IG5262SA**	**IG5362SA**
	Gray	**IG5262GYSA**	**IG5362GYSA**
	Ivory	**IG5262ISA**	**IG5362ISA**
	Office White	**IG5262OWSA**	**IG5362OWSA**
	Orange	**IG5262OSA**	**IG5362OSA**
	White	**IG5262WSA**	**IG5362WSA**
4-PLEX® surge protection receptacles with lights, 80 joules, 6.5kA peak current.	Blue	**HBL415S**	**HBL420S**
	Ivory	**HBL415IS**	**HBL420IS**



HBL5262GYSA

Circuit Guard®, Hospital Grade ● Duplex Receptacles

Description	Color	Catalog Number	
Surge protection receptacles with light and alarm, 240 joules, 15kA peak current.	Blue	**HBL8262SA**	**HBL8362SA**
	Gray	**HBL8262GYSA**	**HBL8362GYSA**
	Ivory	**HBL8262ISA**	**HBL8362ISA**
	Red	**HBL8262RSA**	**HBL8362RSA**
	White	**HBL8262WSA**	**HBL8362WSA**
Isolated ground, surge protection receptacles with light and alarm, 240 joules, 15kA peak current.	Blue	**IG8262SA**	**IG8362SA**
	Gray	**IG8262GYSA**	**IG8362GYSA**
	Ivory	**IG8262ISA**	**IG8362ISA**
	Orange	**IG8262OSA**	**IG8362OSA**
	Red	**IG8262RSA**	**IG8362RSA**
	White	**IG8262WSA**	**IG8362WSA**
4-PLEX surge protection receptacles with lights, 80 joules, 6.5kA peak current.	Blue	—	**HBL420HS**
	Ivory	—	**HBL420HIS**
	Red	—	**HBL420HRS**

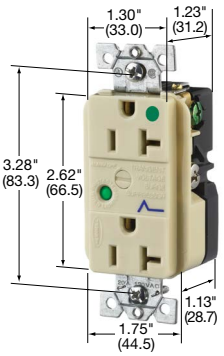


IG5362SA

4-PLEX® Accessories

Description	Color	Catalog Number
4-PLEX adapter plates for 1- and 2-gang (4-PLEX mount directly to 4" (101.6) square device boxes).	Blue	**HBL4APBL**
	Ivory	**HBL4API**
	Red	**HBL4APR**
4-PLEX portable box. Portable 4" (101.6) square box with one cord grip. Accepts up to .66" (16.8) dia. cord.	Ivory	**HBL4PBI**

Note: 4-PLEX box is not UL Listed.

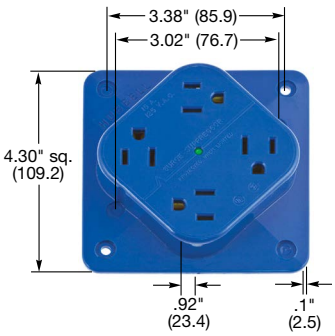


HBL8362ISA

Wallplates (Sold Separately)

Configuration	High-Impact Thermoplastic Color	Standard	Mid-Size	Plated Steel		Stainless Steel (S/S) Brass	
 1-Gang	Blue	–	**PJ26BL**	Chrome	**SCH26**	Smooth S/S	**SS26**
	Gray	**P26GY**	**PJ26GY**	Brass	**SBP26**	Smooth S/S	**SSJ26**▲
	Ivory	**P26I**	**PJ26I**	Plated		Smooth	**SB26**
	Ivory	–	**PJ26C***			Brass	
	Orange	**P26OIG****	–				
	Red	**P26R**	**PJ26R**				
	White	**P26W**	**PJ26W**				

*Note: *Premarked "COMPUTER ONLY." Lettering is block ¼" high.*
***Premarked "ISOLATED GROUND." Lettering is block ¼" high.*
▲Jumbo size plate.
See section O for additional wallplates.



HBL415S

Dimensions in Inches (mm)

Features and Benefits

SNAP*Connect*® Surge Protection and Isolated Ground Receptacles Heavy Duty Specification Grade

Hubbell's SNAP*Connect*® Isolated Ground devices are available in a variety of styles.

- All SNAP*Connect*® IG receptacles include Hubbell's industry best tamper resistant shutter
- 15A and 20A models are available in Hospital Grade, HG Decorator, Commercial Specification Grade, and Commercial Decorator versions
- SNAP*Connect*® IG devices are also available with a power indicating LED version in all the aforementioned grades. The power indicating product is also available in a non TR shutter design
- SNAP*Connect*® connectors come standard with solid or stranded 12 AWG THHN



Note: The effectiveness of SPD devices diminishes with the increase in distance between the device and the equipment to be protected.



Protection

- Hubbell surge receptacles offer 240 joules of protection and 15 kA peak current rating
- Surge protection LED indicator flashes when surge protection is lost
- Audible alarm also provides user notification that surge protection has been lost. Muting screw allows user to turn alarm OFF once replacement has been scheduled



Isolated Ground

- IG triangle on the face of the receptacle clearly indicates isolated ground device
- LED Power-ON indicator available on all models
- Hubbell's patented TR shutter design is utilize on all IG receptacles that feature the Tamper-Resistant option



Installation

- SNAP*Connect*® devices reduce labor time during installation and when being serviced in the future
- Connectors available with solid or stranded leads
- Custom length leads available
- Push on wire option also available on SNAP*Connect*® connectors



Installation

- SNAP*Connect*® Isolated ground devices are available in standard duplex design or decorator shape
- 15A and 20A version in Commercial Specification Grade and Hospital Grade
- SNAP*Connect*® Isolated Ground devices provide a clean ground path for sensitive equipment

SNAP*Connect*® Tamper-Resistant Surge Protection Receptacle with Power Indicating LED

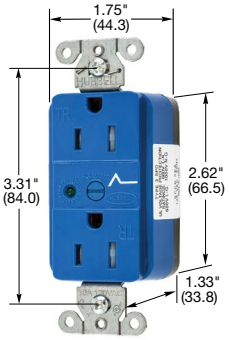


15A 125V
NEMA 5-15R
UL CSA



20A 125V
NEMA 5-20R
UL CSA

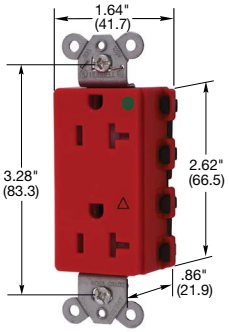
Description	Color	Catalog Number	
Hospital Grade ● SNAP*Connect*® Tamper-Resistant, surge supression duplex receptacle, smooth face, 240 joules, 15kA peak current.	Blue	**SNAP8262S**	**SNAP8362S**
	Gray	**SNAP8262GYS**	**SNAP8362GYS**
	Ivory	**SNAP8262IS**	**SNAP8362IS**
	Light Almond	**SNAP8262LAS**	**SNAP8362LAS**
	Red	**SNAP8262RS**	**SNAP8362RS**
	White	**SNAP8262WS**	**SNAP8362WS**
Commercial Grade SNAP*Connect*® Tamper-Resistant, surge supression duplex receptacle, smooth face, 240 joules, 15kA peak current.	Blue	**SNAP5262S**	**SNAP5362S**
	Gray	**SNAP5262GYS**	**SNAP5362GYS**
	Ivory	**SNAP5262IS**	**SNAP5362IS**
	Light Almond	**SNAP5262LAS**	**SNAP5362LAS**
	White	**SNAP5262WS**	**SNAP5362WS**



SNAP5262S

SNAP*Connect*® Tamper-Resistant Isolated Ground Receptacle

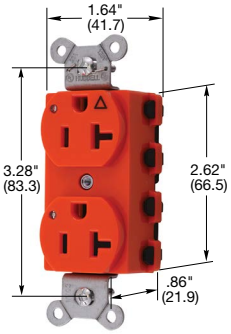
Description	Color	Catalog Number	
Hospital Grade ● SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP8200IGTRA**	**SNAP8300IGTRA**
	Red	**SNAP8200RIGTRA**	**SNAP8300RIGTRA**
Hospital Grade ● Style Line® decorator SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP2172IGTRA**	**SNAP2182IGTRA**
	Red	**SNAP2172RIGTRA**	**SNAP2182RIGTRA**
Commercial Grade, isolated ground.	Orange	**SNAP5262IGTRA**	**SNAP5362IGTRA**
Style Line® decorator.	Orange	**SNAP2152IGTRA**	**SNAP2162IGTRA**



SNAP2182RIGTRA

SNAP*Connect*® Isolated Ground Receptacle with Power Indicating LED

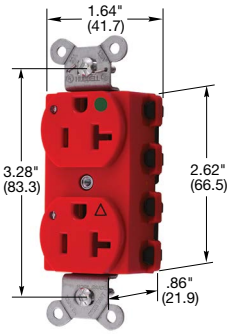
Description	Color	Catalog Number	
Hospital Grade ● SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP8200IGL**	**SNAP8300IGL**
	Red	**SNAP8200RIGL**	**SNAP8300RIGL**
Hospital Grade ● Style Line® decorator SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP2172IGL**	**SNAP2182IGL**
	Red	**SNAP2172RIGL**	**SNAP2182RIGL**
Commercial Grade, isolated ground.	Orange	**SNAP5262IGL**	**SNAP5362IGL**
Style Line® decorator.	Orange	**SNAP2152IGL**	**SNAP2162IGL**



SNAP5362IGL

SNAP*Connect*® Tamper-Resistant Isolated Ground Receptacle with Power Indicating LED

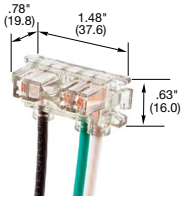
Description	Color	Catalog Number	
Hospital Grade ● SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP8200IGLTRA**	**SNAP8300IGLTRA**
	Red	**SNAP8200RIGLTRA**	**SNAP8300RIGLTRA**
Hospital Grade ● Style Line® decorator SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange	**SNAP2172IGLTRA**	**SNAP2182IGLTRA**
	Red	**SNAP2172RIGLTRA**	**SNAP2182RIGLTRA**
Commercial Grade, isolated ground.	Orange	**SNAP5262IGLTRA**	**SNAP5362IGLTRA**
Style Line® decorator.	Orange	**SNAP2152IGLTRA**	**SNAP2162IGLTRA**



SNAP8300RIGLTRA

SNAP*Connect*® Right Angle Pigtailed Connector for General Use

Description	Solid Wire	Stranded Wire
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2, 600V, Polycarbonate housing material.	**SNAP1RA**	**SNAP2RA**



SNAP1RA

Note: See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.

Dimensions in Inches (mm)

Features and Benefits

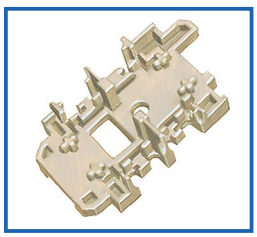


Straight Blade Isolated Ground Receptacles

In February 1968, Hubbell patented the first isolated ground receptacle. Today —when a clean, noise-free ground is more important than ever—Hubbell is still setting the standard.

Hubbell uses insulation barrier construction on many models to isolate the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. In this way, ground contacts are separated from the mounting strap and also from the conventional grounding system. The isolated ground circuit is completed by running a dedicated insulated ground wire from the system ground buss to the green grounding screw.

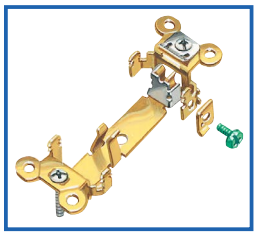
And there's more to the Hubbell line:
- Available in 19 NEMA configurations and a total of 60 different type receptacles.
- Versatility and mobility: With Hubbell's grounding method, Hubbell's IG devices can be mounted in boxes, on metal panels almost anywhere.
- Hubbell quality: Every Hubbell IG device meets and exceeds all applicable codes and standards, specially the toughest standard of all, the Hubbell standard of excellence.



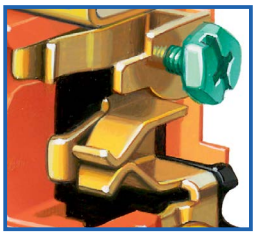
Housing Design
- Dimensionally stable, reinforced thermoplastic polyester provides impact strength in addition to heat and flame resistance
- Impact-resistant nylon face
- Straight blade 15A and 20A, 125V duplex receptacles are available in a variety of colors



Terminals
- Back and side wiring capability provides easy installation with stranded or solid wire



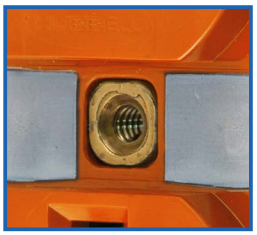
One-Piece Mounting Strap
- Wrap-around, locked on brass mounting strap provides additional support strength for receptacle assembly
- Automatic self-grounding clip assures ground continuity between mounting strap and metal wall box



Contacts
- Green grounding screw connected directly to the grounding contacts
- Insulation barrier construction — first patented by Hubbell — isolates ground contacts from the mounting strap



Identification
- IG triangle on the face of the receptacle clearly indicates isolated ground device
- Amperage and voltage clearly indicated



Center Rivet
- Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion

Hospital Grade ●, HBL® Extra Heavy Duty, Isolated Ground Receptacles

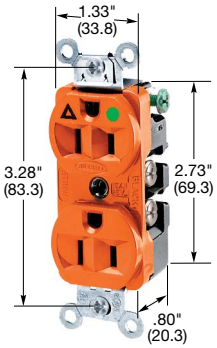


15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	Catalog Number	
Flush, thermoplastic polyester face, duplex, back and side wired, multiple drive screws.	Orange Red	**IG8200** **IG8200R**	**IG8300** **IG8300R**
Style Line® decorator.	Orange Ivory White	**—** **—** **—**	**IG2182** **IG2182I** **IG2182WA**
Flush, thermoplastic polyester face, single.	Orange	**IG8210**	**IG8310**



IG8200

15A and 20A, 125V HBL® Extra Heavy Duty, Specification Grade, Isolated Ground Receptacles

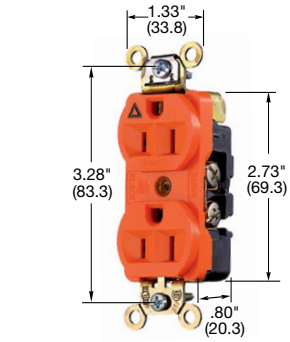


15A 125V
NEMA 5-15R
UL CSA
0.5 HP

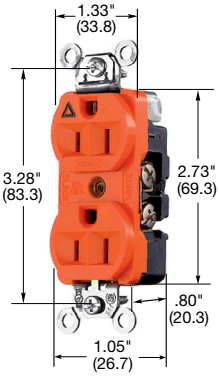


20A 125V
NEMA 5-20R
UL CSA
1 HP

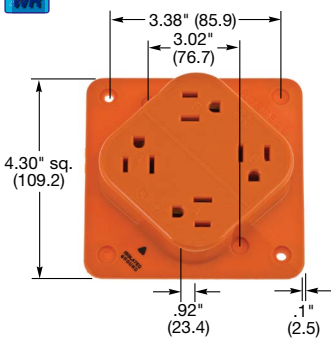
Description	Color	Catalog Number	
Flush, nylon face, duplex, back and side wired, multiple drive screws.	Orange Gray Ivory Red White	**IG5262** **IG5262GY** **IG5262I** **IG5262R** **—**	**IG5362** **IG5362GY** **IG5362I** **IG5362R** **IG5362W**
Weather Resistant, duplex, isolated ground.	Orange Gray Ivory Red White	**IG5262WR** **IG5262GYWR** **IG5262IWR** **IG5262RWR** **—**	**IG5362WR** **IG5362GYWR** **IG5362IWR** **IG5362RWR** **IG5362WWR**
Finder groove, nylon face, duplex, back and side wired.	Orange Black Blue Gray Ivory Office White White	**CR5252IG** **CR5252IGBK** **—** **CR5252IGGY** **CR5252IGI** **CR5252IGOW** **CR5252IGW**	**CR5352IG** **CR5352IGBK** **CR5352IGBL** **CR5352IGGY** **CR5352IGI** **CR5352IGOW** **CR5352IGW**
Style Line® decorator, flush, nylon face, back and side wired.	Orange Gray	**IG2152** **—**	**IG2162** **IG2162GY**
4-PLEX® receptacle.	Orange	**IG415**	**IG420***
Flush, nylon face, single, back and side wired.	Orange	**IG5261**	**IG5361**
Weather Resistant, single, Isolated ground.	Orange	**IG5261WR**	**IG5361WR**



IG5262



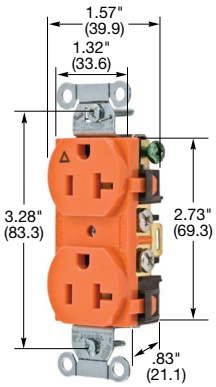
CR5252IG



IG415

*Note: *Not Fed. Spec. Listed.*
See page Tech-10 for Weather Resistant description.
See page A-47 and A-48 for accessories.
See page A-28 for 4-PLEX accessories.

Dimensions in Inches (mm)



IG5352

Hubbell-PRO Heavy Duty Specification Grade



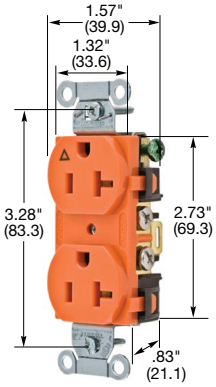
15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	Catalog Number	
Smooth face, duplex, back and side wired.	Orange	**IG5252**	**IG5352**
	Gray	**IG5252GY**	**IG5352GY**
	Ivory	**IG5252I**	**IG5352I**
	Light Almond	**IG5252LA**	**IG5352LA**
	White	**IG5252W**	**IG5352W**
Tamper-Resistant, smooth face, duplex, back and side wired.	Orange	**IG5252TR**	**IG5352TR**
	Ivory	**IG5252ITR**	**IG5352ITR**
	White	**IG5252WTR**	**IG5352WTR**

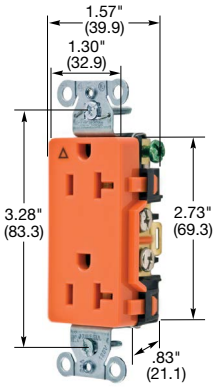
Note: See page Tech-10 for Tamper-Resistant description.



IG20CR

Commercial Specification Grade

Description	Color	Catalog Number	
Smooth face, duplex, side wired.	Orange	**IG15CR**	**IG20CR**
	Gray	**IG15CRGRY**	**IG20CRGRY**
	Ivory	**IG15CRI**	**IG20CRI**
	Light Almond	**IG15CRLA**	**IG20CRLA**
	White	**IG15CRWHI**	**IG20CRWHI**
Style Line® decorator; smooth face; back and side wired.	Orange	**IG15DR**	**IG20DR**
	Gray	**IG15DRGRY**	**IG20DRGRY**
	Ivory	**IG15DRI**	**IG20DRI**
	Light Almond	**IG15DRLA**	**IG20DRLA**
	White	**IG15DRWHI**	**IG20DRWHI**



IG20DR

15A and 20A, 250V HBL® Extra Heavy Duty, Specification Grade, Isolated Ground Receptacles

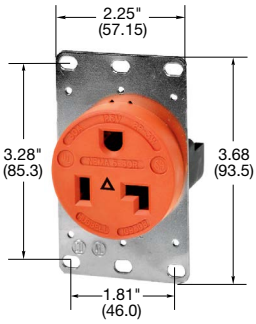


15A 250V
NEMA 6-15R
UL CSA
1.5 HP



20A 250V
NEMA 6-20R
UL CSA
2 HP

Description	Color	Catalog Number	
Flush, nylon face, duplex, back and side wired, multiple drive screws.	Orange	**IG5662**	**IG5462**
Flush, nylon face, single.	Orange	**IG5661**	**IG5461**



IG9308

30A, 125V and 250V Isolated Ground Receptacles

IP20
SUITABILITY



30A 125V
NEMA 5-30R
UL CSA
2 HP



30A 250V
NEMA 6-30R
UL CSA
2 HP

Description	Color	Catalog Number	
Single receptacle, 2 pole, 3 wire grounding.	Orange	**IG9308**	**IG9330**

Dimensions in Inches (mm)

Features and Benefits

Isolated Ground Twist-Lock® Receptacles

Hubbell uses insulation barrier construction to isolate the ground contacts from the mounting strip, providing a clean, noise-free ground for sensitive equipment.



Face color-coding by voltage facilitates locating and mating of proper devices.





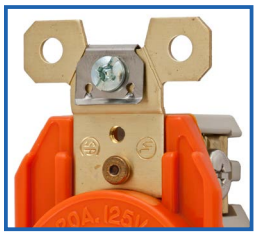
Housing Design

- Impact-resistant nylon face
- Boss diameter is 1.56 in. (39.6) on 20 and 30A devices, simplifying installation
- Glass-filled thermoplastic polyester base is heat and impact resistant, providing dimensional stability and strength



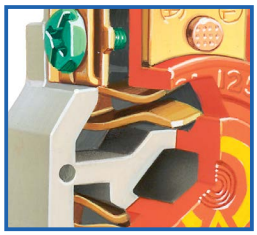
Terminals

- Back and side wiring capability provides easy installation with stranded or solid wire



Mounting Strap

- All-brass mounting and grounding system provides a low resistance ground path
- Automatic self-grounding clip assures ground continuity between mounting strap and metal wall box



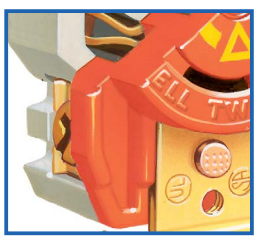
Contacts

- Insulation barrier construction first patented by Hubbell isolates ground contact from the mounting strap
- Wire restraint recess for both back and side wiring reduces terminal loosening
- One-piece contact with long spring arm (low stress) and oxide cutting nibs; prevents stress and overheating



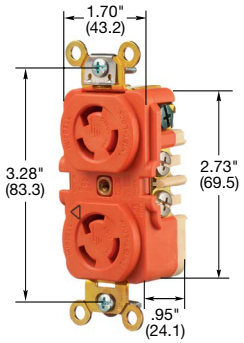
Identification

- Color-coding by voltage rating helps ensure mating of proper devices
- Amperage and voltage clearly indicated



Wiring

- #10 silicon bronze terminal screw provides excellent strength and resistance to corrosion and stripping
- External back wiring allows visual inspection of terminations



IG4700A

15A, 125V and 250V Back and Side Wired



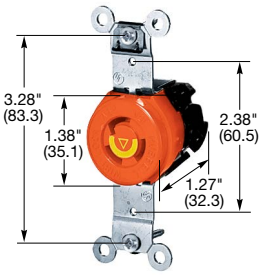
15A 125V
NEMA L5-15R
UL/CSA



15A 250V
NEMA L6-15R
UL/CSA

Description	Poles/Wires	Color	Catalog Number	
Flush, RTP face, duplex.	2 pole, 3 wire	Orange	**IG4700A***	**IG4550A***
Flush, RTP face, single.	2 pole, 3 wire	Orange	**IG4710**	**IG4560**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
**Supplied with break-off tabs for split circuit wiring.*



IG4710

20A, 125V, 250V and 480V AC Back and Side Wired



20A 125V
NEMA L5-20R
UL/CSA
1 HP



20A 250V
NEMA L6-20R
UL/CSA
2 HP



20A 480V AC
NEMA L8-20R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number		
Flush, nylon face, single.	2 pole, 3 wire	Orange	**IG2310**	**IG2320**	**IG2340**

30A, 125V and 250V Back and Side Wired

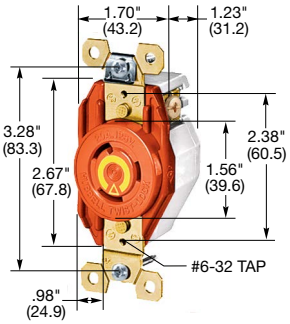


30A 125V
NEMA L5-30R
UL/CSA
2 HP



30A 250V
NEMA L6-30R
UL/CSA
2 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	2 pole, 3 wire	Orange	**IG2610**	**IG2620**



IG2310

20A, 125V/250V and 3Ø 250V AC Back and Side Wired



20A 125/250V AC
NEMA L14-20R
UL/CSA
2 (1) HP



20A 3Ø 250V AC
NEMA L15-20R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	3 pole, 4 wire	Orange	**IG2410**	**IG2420**

30A, 125V/250V and 3Ø 250V AC Back and Side Wired



30A 125/250V AC
NEMA L14-30R
UL/CSA
2 (2) HP



30A 3Ø 250V AC
NEMA L15-30R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	3 pole, 4 wire	Orange	**IG2710**	**IG2720**

20A and 30A, 3ØY 120/208V AC Back and Side Wired



20A 3ØY
120/208V AC
NEMA L21-20R
UL/CSA
2 HP



30A 3ØY
120/208V AC
NEMA L21-30R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	4 pole, 5 wire	Orange	**IG2510**	**IG2810**

Dimensions in Inches (mm)

Specifications

Surge Protection Receptacles

	Part	Duplex	4-PLEX®
Typical Specification		HBL5262SA/HBL5362SA SNAP5262S/SNAP5362S	HBL4AP
Type–2 Pole, 3 Wire, Grounding	Receptacle	15A/20A	15A/20A
	Top & Base	Nylon	Lexan®
	Power Contact	.031" (.8) Brass	.032" (.8) Brass
	Contact Design	Tandem Modified Bypass	Triple Wipe
Rating–15A, 125V AC/20A, 125V AC	Mounting Strap	.050" (1.3) Steel-Zinc Coated	–
Certification–UL Listed File E2186	Clamping Plate	.031" (.8) Brass	.031" (.8) Brass-Line Terminal Plate
Listed to UL Standards 498 Receptacles			.031" (.8) Brass-Neutral Terminal Plate
Meets UL1449 4th edition	Terminal Screws	Brass #8-32 (HBL only)	Brass #8-32
	Grounding Screw	Steel (Green) (HBL only)	Brass (Green)
CSA Certified to Specification C22.2 No. 42	Auto Grd. Clip	Stainless Steel	.050" (1.3) Ground Plate
ANSI/IEEE C62.41 (IEEE 587)	Mounting Screws	Steel-Zinc Plated	Brass
Installation Categories “A" (Ring Wave)	LED	Green	Green
“B" (Unidirectional Impulse)	Alarm Muting Screw	Nylon	–

Performance

Electrical	**Duplex/SNAP*Connect*®**		4-PLEX®	
Frequency	60Hz		60Hz	
Voltage	120V AC + 10%–15%		20V AC + 10%–15%	
Response Time	Approximately 5 ns		Approximately 5 ns	
Protection Modes	Normal & Common Modes		Normal & Common Modes	
Transient Suppression	Peak Energy (10 X 100 µs)	Peak Current (8 X 20 µs)	Peak Energy (10 X 100 µs)	Peak Current (8 X 20 µs)
Normal Mode (L-N)	240 joules	15000A	80 joules	6500A
Common Mode (L-G), (N-G)	240 joules	15000A	80 joules	6500A
UL Voltage Protection Rating	600 L-N, 600 L-G, 1000 N-G		600 L-N, 600 L-G, 900 N-G	
EMI/RFI Attenuation at 50 Ohms Normal Mode	-40 dB			
Operating Temperature	32°F to 140°F (0°C to 60°C)		-40°F to 140°F (-40°C to 60°C)	
Flammability	UL 94V-2		UL 94V-2	

Specifications

320kA, 160kA and 120kA Service/Branch Panel Protection (Type 1 SPD)

Electrical Specifications

					Voltage Protection Rating (VPR)							
					L-N		L-G		N-G		L-L	
320kA Panel	160kA Panel	SCCR◊	I_n	MCOV †	320kA	160kA	320kA	160kA	320kA	160kA	320kA	160kA
HBL3P320B	**HBL3P160B**	200kA	20kA	320/160	900	700	900	700	800	600	1500	1000
HBL4P320B	**HBL4P160B**	200kA	20kA	320/160	900	700	900	700	800	600	1500	1000
HBL5P320B	**HBL5P160B**	200kA	20kA	320/160	N/A	N/A	1500	1200	N/A	N/A	2000	1500
HBL6P320B	**HBL6P160B**	200kA	20kA	320/160	1000/1200	900/1500	900/1200	900/1200	800	700	1500	1500
HBL8P320B	**HBL8P160B**	200kA	20kA	320/160	1500	1200	1500	1200	1200	1200	2000	2500
HBL9P320B	**HBL9P160B**	200kA	20kA	320/160	N/A	N/A	1800	1800	N/A	N/A	2500	2500
HBL10P320B	**HBL10P160B**	200kA	20kA	320/160	1500	1500	1500	1500	1500	1500	2500	2500
HBL11P320B	**HBL11P160B**	200kA	20kA	320/160	N/A	N/A	3000	2500	N/A	N/A	2500	2500

Note: Specification applies to both (B) and (DB) series.

Product Specifications

Max. Surge Current per Phase:	320kA and 160kA	Terminal Accommodation:	#10 AWG to #2 AWG
Max. Operating Temperature:	-20°F to 149°F (-4°C to 65°C)	Operating Frequency:	50/60 Hz
Diagnostics Indicators:	Push to Test Diagnostics, Red and Green Status LEDs, Dry Contacts, Audible Alarm and Surge Counter	EMI/RFI:	Up to -30dB
		Housing Rating:	NEMA 1
		Listing:	cULus UL1449 4th edition type 1 SPD, UL1283 5th edition, CSA C22.2 No. 269.2-13 1st edition, CSA 22.2, No. 8-13, 5th edition.
Dimensions:	11.04"W x 22.44"H x 7.87"D (320kA); 11.04"W x 20.32"H x 5.32"D (160kA)		
Weight:	37 lbs. Max. (320kA); 27 lbs. Max. (160kA)		

Wired-In Branch Panel Protection 100,000 Peak Amp Capacity (Type 2 SPD)

Electrical Specifications

				Voltage Protection Rating (VPR)			
Catalog Number	SCCR◊	I_n	MCOV †	L-N	L-G	N-G	L-L
HBL3W100C	200kA	20kA	150/270	900	1200	700	1500
HBL4W100C	200kA	20kA	150/270	900	1200	700	1500
HBL5W100C	200kA	20kA	300	N/A	N/A	N/A	1500
HBL6W100C	200kA	20kA	275/150	1000	1200	700	1500
HBL8W100C	200kA	20kA	320/640	1200	2000	1000	2500
HBL9W100C	200kA	20kA	640	N/A	N/A	N/A	3000
HBL10W100C	200kA	20kA	390/780	1500	2500	1500	3000
HBL11W100C	200kA	20kA	780	N/A	N/A	N/A	3000

Product Specifications

Max. Surge Current per Phase:	100kA	Terminal Accommodation:	#10 AWG 18.0" Wire Leads
Max. Operating Temperature:	-40°F to 140°F (-4°C to 60°C)	Operating Frequency:	50/60 Hz
Diagnostics Indicators:	Green Status LEDs. Dry Contacts, Audible Alarm	EMI/RFI:	Up to -30dB
		Housing Rating:	Type 4X
Dimensions:	9.9"W x 4.8"H x 3.1"D	Listing:	cULus UL 1449 4th edition type 2 SPD, UL1283 (Wye prod. only), CSA C22.2 NO. 8-M1986
Weight:	4.78 lbs		
		Warranty:	10 year

Wired-In High-Quality Surge Protective Device, Surge Arrestors, Single Phase and Three Phase (Type 2 SPD)

Electrical Specifications

				Voltage Protection Rating (VPR)			
Catalog Number	SCCR◊	I_n	MCOV †	L-N	L-G	N-G	L-L
HBL3W50	25kA	10kA	150 (L-N, L-G), 300 (L-L)	700	800	N/A	1200
HBLSDSA36	22kA	10kA	150	700	N/A	N/A	1200
HBL4SA40	200kA	10kA	180 (L-N), 360 (L-L)	700	N/A	N/A	1200
HBL5SA40	200kA	10kA	360 (L-L)	N/A	N/A	N/A	1200
HBL8SA40	200kA	10kA	420 (L-N), 840 (L-L)	1500	N/A	N/A	2500
HBL9SA40	200kA	10kA	840 (L-L)	N/A	N/A	N/A	2500
HBL10SA40	200kA	10kA	510 (L-N), 1020 (L-L)	1800	N/A	N/A	3000
HBL11SA40	200kA	10kA	1020 (L-L)	N/A	N/A	N/A	3000

Product Specifications

Service Voltage	Single Phase	Single Phase	Three Phase
Max. Surge Current per Phase:	50kA	36kA	40kA
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)
Diagnostics Indicators:	Green Status LED per line	Green Status LED per line	Green Status LED per line
Dimensions:	3.0"W x 3.6"H x 2.67"D	2.25"W x 2.25"H x 1.94"D	3.60"W x 3.0"H x 2.64"D
Weight:	1.8 lbs.	.72 lbs.	1.8 lbs.
Terminal Accommodation:	#12 AWG Wire Leads	#14 AWG Wire Leads	#12 AWG Wire Leads
Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
EMI/RFI:	Up to -30dB	Up to -30dB	Up to -30dB
Housing Rating:	Type 4X	Type 4X	Type 4X
Listing:	UL1449 4th edition	UL1449 4th edition	UL1449 4th edition
Warranty:	10 year	2 year	2 year

◊SCCR: Short Circuit Current Rating | † MCOV: Maximum Continuous Operating Voltage | ‡ In: Nominal discharge current

SECTION N

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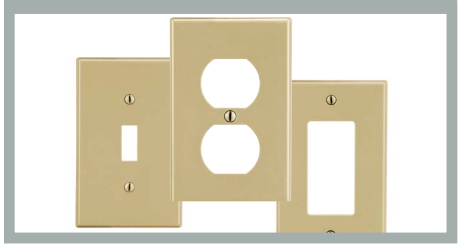

Snap-On Wallplates



While-In-Use Weatherproof Covers



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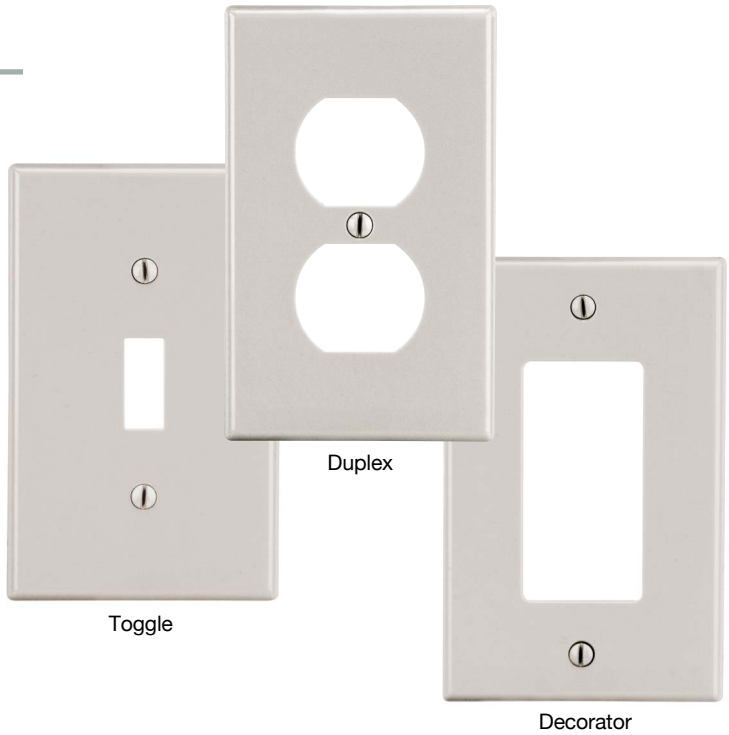
Features and Benefits

Non-metallic Wallplates

Hubbell's line of polycarbonate wallplates features larger standard sized wallplates to provide extra coverage to hide rough box opening, improved aesthetics, greater strength, impact resistance, along with easy to clean finish in all different types of environments.

- Standard size is ⅛ inch larger to give you extra coverage to hide rough box openings. Also available in mid-size, jumbo and pre-marked
- Smooth satin finish, blends into the wall
- More rigid, sharper lines
- Captive screw feature holds mounting screw in place for quick and easy installation, single gang
- High-impact polycarbonate thermoplastic is virtually unbreakable
- Smooth, easy to clean finish is highly resistant to solvents and cleaning solutions, providing long life in the harshest environments
- cULus listed

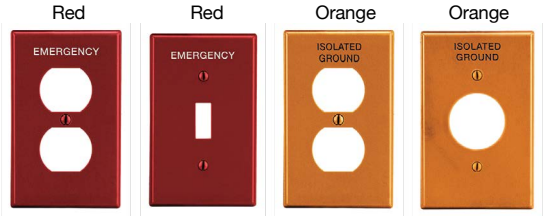


Hubbell's standard sized wallplates are ⅛ inch larger to provide you that extra coverage to hide rough box openings. The depth is ¼ inch so that it will comfortably fit over the device even on imperfect installations or on retrofit work. See page N-32 for details and dimensions.

Non-metallic Wallplates



Non-metallic Pre-Marked Wallplates



Metal Wallplates



Pre-Marked



Features and Benefits

Stainless Steel Wallplates

Provide solutions for a variety of industrial and commercial applications.

302/304 Type Stainless Steel
Non-magnetic: 18.0% Chromium
8.0% Nickel

- Ideal for highly corrosive environments such as hospitals, food processing, static free requirements and more
- Environments subjected to heavy abuse

430 Type Stainless Steel
Magnetic: 17.0% Chromium
Less than 0.5% Nickel

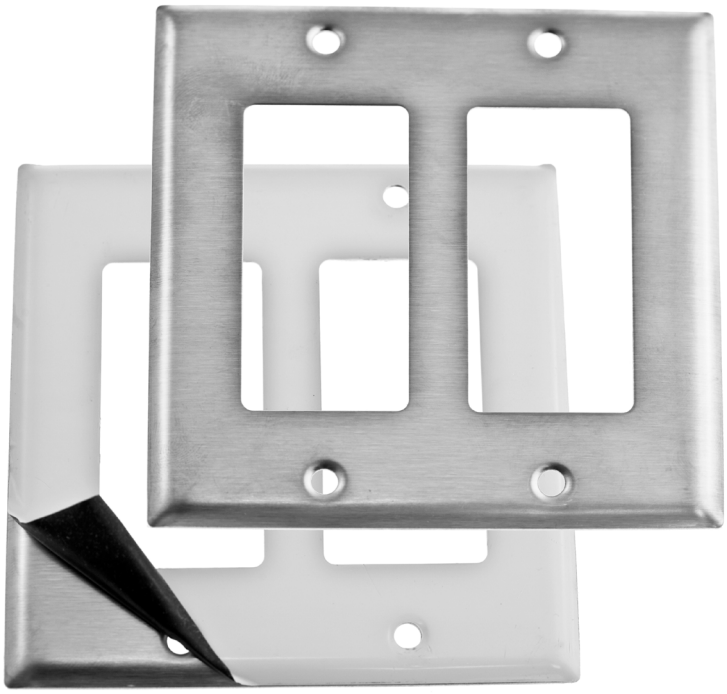
- Aesthetically identical to the 302/304 type stainless steel wallplates and are best suited for environments where corrosion resistance is less critical
- Standard commercial use

Smooth Solid Brass

- Provides a plush appearance with the durability of metal
- Finish is lacquer coated to inhibit oxidation

Anodized Aluminum

- Non-magnetic and corrosion resistance for a wide range of applications
- Finish is lacquer coated to inhibit oxidation



Decorator
(Protective plastic film helps to prevent scratches and damage)



Extra-Duty Metallic While-in-Use Covers

These covers are designed for use whenever protection is required while an outlet is in use. Covers meet or exceed the extra-duty rating per UL 514D, and are NEMA 3R rated.

- Die-cast aluminum construction
- Powder coated “chip resistant” paint corrosion protection
- Unique plug management provision for securing device and cord

2023 National Electrical Code (NEC®) Requirement

406.9 Receptacles in Damp or Wet Locations.

406.9 Receptacles in Damp or Wet Locations.
(B) Wet Locations
(1) Receptacles of 15 and 20 Amperes in a Wet Location. Receptacles of 15 and 20 amperes, 125 and 250 volts installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. An outlet box hood installed for this purpose shall be identified as “extra-duty.” Other listed products, enclosures, or assemblies providing weatherproof protection that do not utilize an outlet box hood need not be marked “extra-duty.”

All 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles shall be listed and so identified as weather-resistant type.

(2) Other Receptacles. All other receptacles installed in a wet location shall comply with 406.9(B)(2)(a) or (B)(2)(b).

(a) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.

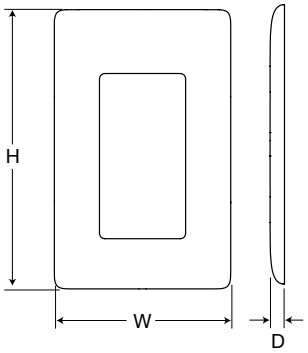
(b) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.

Snap-On Screwless Wallplates

- Clean, elegant look
- No visible screws
- Snap-on wallplate completely covers sub-plate eliminating dirt build-up around the edges
- Snap-on wallplate hides any paint or scratches on sub-plate caused during installation
- Appearance is consistent with other Hubbell wallplates
- Meets UL and CSA standards

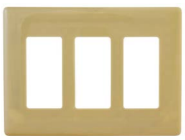
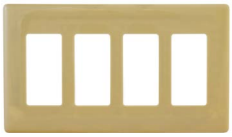


Snap-On Wallplate



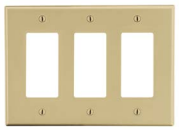
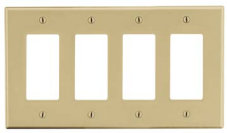
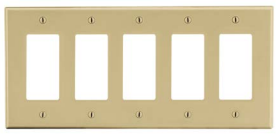
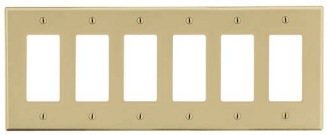
Gang	Height (H)	Width (W)	Depth (D)
1	4.75" (120.6)	3.00" (76.2)	.25" (6.35)
2	4.75" (120.6)	4.81" (122.2)	.25" (6.35)
3	4.75" (120.6)	6.62" (168.2)	.25" (6.35)
4	4.75" (120.6)	8.44" (214.3)	.25" (6.35)

Snap-On Screwless Wallplates

Description		Color	Decorator Catalog Number	Toggle Catalog Number
1-Gang, 1-Decorator	1-Gang, 1-Toggle	Ivory	**NPS26I**	**NPS1I**
		Light Almond	**NPS26LA**	**NPS1LA**
		White	**NPS26W**	**NPS1W**
2-Gang, 2-Decorator	2-Gang, 2-Toggle	Ivory	**NPS262I**	**NPS2I**
		Light Almond	**NPS262LA**	**NPS2LA**
		White	**NPS262W**	**NPS2W**
3-Gang, 3-Decorator	3-Gang, 3-Toggle	Ivory	**NPS263I**	**NPS3I**
		Light Almond	**NPS263LA**	**NPS3LA**
		White	**NPS263W**	**NPS3W**
4-Gang, 4-Decorator		Ivory	**NPS264I**	–
		Light Almond	**NPS264LA**	–
		White	**NPS264W**	–
1-Gang, 1-Duplex		Ivory	**NPS8I**	–
		Light Almond	**NPS8LA**	–
		White	**NPS8W**	–

Dimensions in Inches (mm)

GFCI, USB, Surge Receptacles and Style Line® Device Wallplates

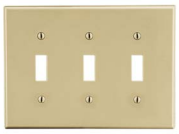
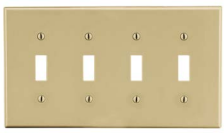
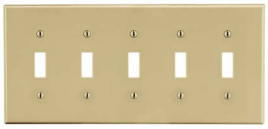
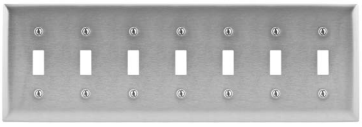
Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Thermoplastic Jumbo	Material	Metal Catalog Number
1-Gang, 1-Decorator 	Black	**P26BK**	**PJ26BK**	**–**	Aluminum	①
	Blue	**–**	**PJ26BL**	**–**	Brass	**SB26**
	Brown	**P26**	**PJ26**	**–**	Brass Plated	**SBP26**
	Gray	**P26GY**	**PJ26GY**	**–**	Chrome	**SCH26**
	Ivory	**P26I**	**PJ26I**	**JJ26I**	S/S 302/304	**SS26**
	Light Almond	**P26LA**	**PJ26LA**	**JJ26LA**	S/S 430	**SS26L**
	Red	**P26R**	**PJ26R**	**–**		
	White	**P26W**	**PJ26W**	**JJ26W**		
2-Gang, 2-Decorator 	Black	**P262BK**	**PJ262BK**	**–**	Aluminum	①
	Brown	**P262**	**PJ262**	**–**	Brass	**SB262**
	Gray	**P262GY**	**PJ262GY**	**–**	Brass Plated	**SBP262**
	Ivory	**P262I**	**PJ262I**	**–**	Chrome	**SCH262**
	Light Almond	**P262LA**	**PJ262LA**	**–**	S/S 302/304	**SS262**
	Red	**P262R**	**PJ262R**	**–**	S/S 430	**SS262L**
	White	**P262W**	**PJ262W**	**–**		
3-Gang, 3-Decorator 	Black	**P263BK**	**PJ263BK**	**–**	Aluminum	①
	Brown	**P263**	**PJ263**	**–**	Brass	①
	Gray	**P263GY**	**PJ263GY**	**–**	Brass Plated	**SBP263**
	Ivory	**P263I**	**PJ263I**	**–**	Chrome	①
	Light Almond	**P263LA**	**PJ263LA**	**–**	S/S 302/304	**SS263**
	Red	**P263R**	**–**	**–**		
	White	**P263W**	**PJ263W**	**–**		
4-Gang, 4-Decorator 	Black	**P264BK**	**–**	**–**	Aluminum	①
	Brown	**P264**	**–**	**–**	Brass	①
	Gray	**P264GY**	**–**	**–**	Brass Plated	①
	Ivory	**P264I**	**PJ264I**	**–**	Chrome	①
	Light Almond	**P264LA**	**PJ264LA**	**–**	S/S 302/304	**SS264**
	White	**P264W**	**PJ264W**	**–**		
5-Gang, 5-Decorator 	Gray	**P265GY**	**–**	**–**	Aluminum	①
	Ivory	**P265I**	**–**	**–**	Brass	①
	Light Almond	**P265LA**	**–**	**–**	Brass Plated	①
	White	**P265W**	**–**	**–**	Chrome	①
					S/S 302/304	**SS265**
6-Gang, 6-Decorator 	Black	**P266BK**	**–**	**–**	Aluminum	①
	Brown	**P266**	**–**	**–**	Brass	①
	Gray	**P266GY**	**–**	**–**	Brass Plated	①
	Ivory	**P266I**	**–**	**–**	Chrome	①
	Light Almond	**P266LA**	**–**	**–**	S/S 302/304	**SS266**
	White	**P266W**	**–**	**–**		

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Toggle Switch Wallplates

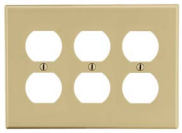
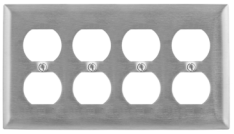
Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Thermoplastic Jumbo	Material	Metal Catalog Number
1-Gang, 1-Toggle 	Black	**P1BK**	**PJ1BK**	**–**	Aluminum	**SA1**
	Brown	**P1**	**PJ1**	**–**	Brass	**SB1**
	Gray	**P1GY**	**PJ1GY**	**–**	Brass Plated	**SBP1**
	Ivory	**P1I**	**PJ1I**	**NPJJ1I**	Chrome	**SCH1**
	Light Almond	**P1LA**	**PJ1LA**	**NPJJ1LA**	S/S 302/304	**SS1**
	Red	**P1R**	**PJ1R**	**–**	S/S 430	**SS1L**
	White	**P1W**	**PJ1W**	**NPJJ1W**		
2-Gang, 2-Toggle 	Black	**P2BK**	**–**	**–**	Aluminum	**SA2**
	Brown	**P2**	**PJ2**	**–**	Brass	**SB2**
	Gray	**P2GY**	**PJ2GY**	**–**	Brass Plated	**SBP2**
	Ivory	**P2I**	**PJ2I**	**NPJJ2I**	Chrome	**SCH2**
	Light Almond	**P2LA**	**PJ2LA**	**NPJJ2LA**	S/S 302/304	**SS2**
	Red	**P2R**	**–**	**–**	S/S 430	**SS2L**
	White	**P2W**	**PJ2W**	**NPJJ2W**		
3-Gang, 3-Toggle 	Black	**P3BK**	**–**	**–**	Aluminum	①
	Brown	**P3**	**–**	**–**	Brass	**SB3**
	Gray	**P3GY**	**PJ3GY**	**–**	Brass Plated	**–**
	Ivory	**P3I**	**PJ3I**	**–**	Chrome	**SCH3**
	Light Almond	**P3LA**	**PJ3LA**	**–**	S/S 302/304	**SS3**
	Red	**–**	**PJ3R**	**–**	S/S 430	**SS3L**
	White	**P3W**	**PJ3W**	**–**		
4-Gang, 4-Toggle 	Black	**P4BK**	**–**	**–**	Aluminum	①
	Brown	**P4**	**–**	**–**	Brass	**SB4**
	Gray	**P4GY**	**–**	**–**	Brass Plated	**–**
	Ivory	**P4I**	**PJ4I**	**–**	Chrome	①
	Light Almond	**P4LA**	**PJ4LA**	**–**	S/S 302/304	**SS4**
	White	**P4W**	**PJ4W**	**–**	S/S 430	**–**
5-Gang, 5-Toggle 	Gray	**P5GY**	**–**	**–**	Aluminum	①
	Ivory	**P5I**	**–**	**–**	Brass	**SB5**
	Light Almond	**P5LA**	**–**	**–**	Brass Plated	①
	White	**P5W**	**–**	**–**	Chrome	①
					S/S 302/304	**SS5**
					S/S 430	**–**
6-Gang, 6-Toggle 	Gray	**P6GY**	**–**	**–**	Aluminum	①
	Ivory	**P6I**	**–**	**–**	Brass	**SB6**
	Light Almond	**P6LA**	**–**	**–**	Brass Plated	①
	White	**P6W**	**–**	**–**	Chrome	①
					S/S 302/304	**SS6**
					S/S 430	**–**
7-Gang, 7-Toggle 					Aluminum	①
					Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	**SS607**
8-Gang, 8-Toggle 					Aluminum	①
					Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	**SS608**
2-Gang, 1-Toggle 					Aluminum	**–**
					Brass	**–**
					Brass Plated	**–**
					Chrome	**–**
					S/S 302/304	**SS740**

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Duplex Receptacle Wallplates

Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Thermoplastic Jumbo	Material	Metal Catalog Number
1-Gang, 1-Duplex 	Black	**P8BK**	**PJ8BK**	**–**	Aluminum	**SA8**
	Blue	**–**	**PJ8BL**	**–**	Brass	**SB8**
	Brown	**P8**	**PJ8**	**–**	Brass Plated	**SBP8**
	Gray	**P8GY**	**PJ8GY**	**–**	Chrome	**SCH8**
	Ivory	**P8I**	**PJ8I**	**NPJJ8I**	S/S 302/304	**SS8**
	Light Almond	**P8LA**	**PJ8LA**	**NPJJ8LA**	S/S 430	**SS8L**
	Orange	**P8OR**	**–**	**–**		
	Red	**P8R**	**PJ8R**	**–**		
	White	**P8W**	**PJ8W**	**NPJJ8W**		
2-Gang, 2-Duplex 	Black	**P82BK**	**PJ82BK**	**–**	Aluminum	**SA82**
	Brown	**P82**	**–**	**–**	Brass	**SB82**
	Gray	**P82GY**	**PJ82GY**	**–**	Brass Plated	**SBP82**
	Ivory	**P82I**	**PJ82I**	**–**	Chrome	**SCH82**
	Light Almond	**P82LA**	**PJ82LA**	**–**	S/S 302/304	**SS82**
	Orange	**P82OR**	**–**	**–**	S/S 430	**SS82L**
	Red	**P82R**	**PJ82R**	**–**		
	White	**P82W**	**PJ82W**	**–**		
3-Gang, 3-Duplex 	Ivory	**P83I**	**–**	**–**	Aluminum	①
	White	**P83W**	**–**	**–**	Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	**SS83**
					S/S 430	**–**
4-Gang, 4-Duplex 					Aluminum	①
					Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	**SS84**
					S/S 430	**–**
2-Gang, 1-Duplex 					Brass	**–**
					Brass Plated	**–**
					Chrome	**–**
					S/S 302/304	**SS748**
					S/S 430	**–**

Single 15/20A Straight Blade or 15A Twist-Lock® Receptacle Wallplates

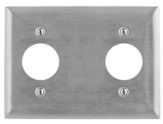
Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Thermoplastic Jumbo	Material	Metal Catalog Number
1-Gang, 1-Single 1.40 in. (35.6) Dia. Hole 	Black	**P7BK**	**–**	**–**	Aluminum	**SA7**
	Brown	**P7**	**–**	**–**	Brass	**SB7**
	Gray	**P7GY**	**–**	**–**	Brass Plated	**SBP7**
	Ivory	**P7I**	**PJ7I**	**–**	Chrome	**SCH7**
	Light Almond	**P7LA**	**PJ7LA**	**–**	S/S 302/304	**SS7**
	Red	**P7R**	**–**	**–**	S/S 430	**SS7L**
	White	**P7W**	**PJ7W**	**–**		
2-Gang, 1-Single 1.40 in. (35.6) Dia. Hole 					Aluminum	**–**
					Brass	**–**
					Brass Plated	**–**
					Chrome	**–**
					S/S 302/304	**SS747**
					S/S 430	**–**
2-Gang, 2-Single 1.40 in. (35.6) Dia. Hole 					Aluminum	①
					Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	**SS72**
					S/S 430	**–**

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Single 20/30A Twist-Lock® Receptacle Wallplates

Description		Color	Thermoplastic Standard	Thermoplastic Mid-Size	Material	Metal Catalog Number
	1-Gang, 1-Single, 1.60 in. (40.6) Dia. Hole	Black	**P720BK**	–	Aluminum	–
		Brown	**P720**	–	Brass	**SB720**
		Gray	**P720GY**	–	Brass Plated	①
		Ivory	**P720I**	–	Chrome	①
		Red	**P720R**	–	S/S 302/304	**SS720**
		White	**P720W**	–		
	1-Gang, 1-Single, 1.74 in. (44.2) Dia. Hole				Aluminum	–
					Brass	–
					Brass Plated	–
					Chrome	–
					S/S 302/304	**SS725**
	2-Gang, 1-Single, 1.60 in. (40.6) Dia.Hole				Aluminum	–
					Brass	–
					Brass Plated	–
					Chrome	–
					S/S 302/304	**SS749**
	3-Gang, 2-Single, 1.60 in. (40.6) Dia. Hole				Aluminum	①
					Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	**SS320**

Single Receptacle Wallplates

Description		Color	Thermoplastic Standard	Thermoplastic Mid-Size	Material	Metal Catalog Number
	1-Gang, 1-Single, 1.97 in. (50.0) Dia. Hole				Aluminum	–
					Brass	–
					Chrome	–
					S/S 302/304	**SS737**
	1-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole	Black	**P724BK**	**PJ724BK**	Aluminum	–
		Ivory	**P724I**	**PJ724I**	Brass	①
		White	**P724W**	**PJ724W**	Brass Plated	①
					Chrome	**SCH723**
					S/S 302/304	**SS723**
	2-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole				Aluminum	–
					Brass	–
					Chrome	–
					S/S 302/304	**SS702**
	2-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole	Black	**P703BK**	**PJ703BK**	Aluminum	–
		Ivory	**P703I**	**PJ703I**	Brass	–
		White	**P703W**	**PJ703W**	Brass Plated	–
					Chrome	–
					S/S 302/304	**SS703**
					S/S 430	**SS703L**
	2-Gang, 1-Single, 2.48 in. (63.0) Dia. Hole				Aluminum	–
					Brass	–
					Chrome	–
					S/S 302/304	**SS701**
	2-Gang, 1-Single, 2.66 in. (67.6) Dia. Hole				Aluminum	–
					Brass	–
					Chrome	–
					S/S 302/304	**SS716**

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

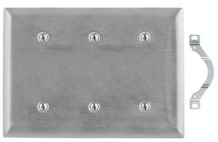
①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Blank Wallplates, Box Mount

Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Thermoplastic Jumbo	Material	Metal Catalog Number
1-Gang, 1-Blank, Box Mount 	Black	**P13BK**	**PJ13BK**	**–**	Aluminum	**SA13A**
	Brown	**P13**	**PJ13**	**–**	Brass	**SB13**
	Gray	**P13GY**	**PJ13GY**	**–**	Brass Plated	**–**
	Ivory	**P13I**	**PJ13I**	**NPJJ13I**	Chrome	**SCH13**
	Light Almond	**P13LA**	**PJ13LA**	**NPJJ13LA**	S/S 302/304	**SS13**
	White	**P13W**	**PJ13W**	**NPJJ13W**	S/S 430	**SS13L**
2-Gang, 2-Blank, Box Mount 	Black	**P23BK**	**–**	**–**	Aluminum	**SA23**
	Brown	**P23**	**PJ23**	**–**	Brass	**SB23**
	Gray	**P23GY**	**–**	**–**	Brass Plated	①
	Ivory	**P23I**	**PJ23I**	**–**	Chrome	**SCH23**
	Light Almond	**P23LA**	**PJ23LA**	**–**	S/S 302/304	**SS23**
	White	**P23W**	**PJ23W**	**–**		
3-Gang, 3-Blank, Box Mount 	Ivory	**P33I**	**–**	**–**	Aluminum	①
	White	**P33W**	**–**	**–**	Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	**SS33**
4-Gang, 4-Blank, Box Mount 	Ivory	**P43I**	**–**	**–**	Aluminum	①
	White	**P43W**	**–**	**–**	Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	**SS43**

Blank Wallplates, Strap Mount

Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Thermoplastic Jumbo	Material	Metal Catalog Number
1-Gang, 1-Blank, Strap Mount 	Black	**P14BK**	**–**	**–**	Aluminum	①
	Brown	**P14**	**–**	**–**	Brass	**SB14**
	Gray	**P14GY**	**–**	**–**	Brass Plated	①
	Ivory	**P14I**	**–**	**–**	Chrome	①
	Light Almond	**P14LA**	**–**	**–**	S/S 302/304	**SS14**
	Red	**P14R**	**–**	**–**		
	White	**P14W**	**–**	**–**		
2-Gang, 2-Blank, Strap Mount 	Black	**P24BK**	**–**	**–**	Aluminum	①
	Brown	**P24**	**–**	**–**	Brass	①
	Gray	**P24GY**	**–**	**–**	Brass Plated	①
	Ivory	**P24I**	**–**	**–**	Chrome	①
	Light Almond	**P24LA**	**–**	**–**	S/S 302/304	**SS24**
	Red	**P24R**	**–**	**–**		
	White	**P24W**	**–**	**–**		
3-Gang, 3-Blank, Strap Mount 					Aluminum	①
					Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	**SS34**

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Combination Wallplates, 2-Gang

Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Material	Metal Catalog Number
2-Gang, 1-Toggle, 1-Duplex 	Brown	**P18**	**–**	Aluminum	①
	Gray	**P18GY**	**PJ18GY**	Brass	**SB18**
	Ivory	**P18I**	**PJ18I**	Brass Plated	**–**
	Light Almond	**P18LA**	**PJ18LA**	Chrome	**SCH18**
	White	**P18W**	**PJ18W**	S/S 302/304	**SS18**
2-Gang, 1-Duplex, 1-Decorator 	Black	**P826BK**	**PJ826BK**	Aluminum	①
	Brown	**P826**	**PJ826**	Brass	**SB826**
	Gray	**P826GY**	**PJ826GY**	Brass Plated	①
	Ivory	**P826I**	**PJ826I**	Chrome	①
	Light Almond	**P826LA**	**PJ826LA**	S/S 302/304	**SS826**
	White	**P826W**	**PJ826W**		
2-Gang, 1-Toggle, 1-Decorator 	Black	**P126BK**	**–**	Aluminum	①
	Brown	**P126**	**PJ126**	Brass	**SB126**
	Gray	**P126GY**	**PJ126GY**	Brass Plated	**–**
	Ivory	**P126I**	**PJ126I**	Chrome	①
	Light Almond	**P126LA**	**PJ126LA**	S/S 302/304	**SS126**
	White	**P126W**	**PJ126W**		
2-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole, 1-Duplex 	Ivory	**P78I**	**–**	Aluminum	①
	White	**P78W**	**–**	Brass	①
				Brass Plated	①
				Chrome	①
				S/S 302/304	**SS78**
2-Gang, 1-Single Receptacle 1.60 in. (40.6) Hole, 1-Duplex 				Aluminum	①
				Brass	①
				Brass Plated	①
				Chrome	①
				S/S 302/304	**SS8720**
2-Gang, 1-Toggle, 1-Blank Box Mount 	Brown	**–**	**PJ113**	Aluminum	①
	Gray	**P113GY**	**–**	Brass	①
	Ivory	**P113I**	**PJ113I**	Brass Plated	①
	Light Almond	**P113LA**	**–**	Chrome	①
	White	**P113W**	**PJ113W**	S/S 302/304	**SS113**
2-Gang, 1-Toggle, 1-Blank Strap Mount 				Aluminum	①
				Brass	①
				Brass Plated	①
				Chrome	①
				S/S 302/304	**SS114**
2-Gang, 1-Blank, 1-Decorator Box Mount 	Black	**P1326BK**	**–**	Aluminum	①
	Gray	**P1326GY**	**–**	Brass	①
	Ivory	**P1326I**	**PJ1326I**	Brass Plated	①
	Light Almond	**P1326LA**	**PJ1326LA**	Chrome	①
	White	**P1326W**	**PJ1326W**	S/S 302/304	**SS1426***

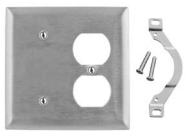
Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.

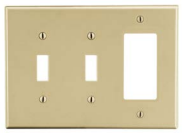
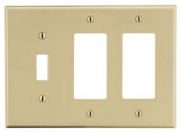
**Strap Mount.*

Dimensions in Inches (mm)

Combination Wallplates, 2-Gang

Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Material	Metal Catalog Number
2-Gang, 1-Blank, 1-Duplex Box Mount 	Gray	**P138GY**	**–**	Aluminum	①
	Ivory	**P138I**	**–**	Brass	①
	Light Almond	**P138LA**	**–**	Brass Plated	①
	White	**P138W**	**–**	Chrome	①
				S/S 302/304	**SS138**
2-Gang, 1-Blank, 1-Duplex Strap Mount 				Aluminum	①
				Brass	①
				Brass Plated	①
				Chrome	①
				S/S 302/304	**SS148**

Combination Wallplates, 3-Gang

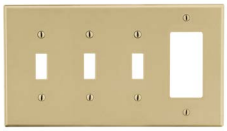
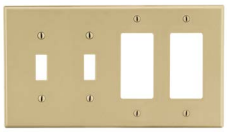
Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Material	Metal Catalog Number
3-Gang, 2-Toggle, 1-Duplex 	Brown	**P28**	**–**	Aluminum	①
	Gray	**P28GY**	**–**	Brass	①
	Ivory	**P28I**	**PJ28I**	Brass Plated	①
	Light Almond	**P28LA**	**PJ28LA**	Chrome	①
	White	**P28W**	**PJ28W**	S/S 302/304	①
3-Gang, 2-Toggle, 1-Decorator 	Black	**P226BK**	**–**	Aluminum	①
	Brown	**P226**	**–**	Brass	①
	Gray	**P226GY**	**–**	Brass Plated	①
	Ivory	**P226I**	**PJ226I**	Chrome	①
	Light Almond	**P226LA**	**PJ226LA**	S/S 302/304	**SS226**
	White	**P226W**	**PJ226W**		
3-Gang, 1-Toggle, 2-Decorator 	Ivory	**P1262I**	**–**	Aluminum	①
	Light Almond	**P1262LA**	**–**	Brass	①
	White	**P1262W**	**–**	Brass Plated	①
				Chrome	①
				S/S 302/304	①

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Combination Wallplates, 4-Gang

Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Material	Metal Catalog Number
4-Gang, 3-Toggle, 1-Decorator 	Black	**P326BK**	–	Aluminum	①
	Brown	**P326**	–	Brass	①
	Gray	**P326GY**	–	Brass Plated	①
	Ivory	**P326I**	–	Chrome	①
	Light Almond	**P326LA**	–	S/S 302/304	**SS326**
	White	**P326W**	–		
4-Gang, 2-Toggle, 2-Decorator 	Ivory	**P2262I**	–	Aluminum	①
	Light Almond	**P2262LA**	–	Brass	①
	White	**P2262W**	–	Brass Plated	①
				Chrome	①
				S/S 302/304	①

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.
①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.

Specifications

Listings	
Non-Metallic Wallplates	UL Standard 514D
Metallic Wallplates	UL Standard 514D
Certification	UL Files #E31999,E92074 CSA Standard C22.2 No. 42.1 CSA File 1733174

Product	Thickness	Mounting Screw(s)	Appearance
Thermoplastic Wallplate	.07 in. (1.8)	Steel (painted slotted screw head).	Smooth satin finish.
302/304 Stainless Steel Wallplate (18% Chromium, 8% Nickel)	.035 in. (0.9) nominal	302/304 stainless steel (18% chromium, 8% nickel). Slotted screw head.	Horizontal brushed finish.
430 Stainless Steel Wallplate (17% Chromium, less than 0.5% Nickel)	.035 in. (0.9) nominal	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.	Horizontal brushed finish.
Brass Wallplate (70% Copper, 30% Zinc)	.04 in. (1.0)	Brass (70% Coppper,30% Zinc). Slotted screw head.	Horizontal brushed finish.
Aluminum Wallplate	.05 in. (1.3)	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.	Horizontal brushed finish.
Brass Plated Steel Wallplate	.03 in. (0.8) nominal	Brass slotted head.	Polished, coated to inhibit oxidation.
Chrome Plated Steel Wallplate	.03 in. (0.8) nominal	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.	Polished, coated to inhibit oxidation.
Steel Painted Wallplate	.03 in. (0.8) nominal	Steel (painted slotted screw head).	Powder coat paint.

Dimensions in Inches (mm)

Telephone and Coaxial Wallplates

Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Tel Thermoplastic .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Box Mount 	Ivory Light Almond White	**P11I** **P11LA** **P11W**	**PJ11I** **PJ11LA** **PJ11W**	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS11***
1-Gang, 1-Tel Thermoplastic .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Strap Mount 				Aluminum Brass Brass Plated Chrome S/S 302/304	① – – – **SS12***
1-Gang, 1-Tel .625 in. (15.9) Hole, Box Mount 	Ivory White	**P737I** **P737W**	– –	Aluminum Brass Brass Plated Chrome S/S 302/304	– – – – –
1-Gang, 1-Tel .380 in. (9.7) Hole, Box Mount 				Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS739**
1-Gang, 1-Tel .380 in. (9.7) Hole, Strap Mount 				Aluminum Brass Brass Plated Chrome S/S 302/304,	① ① ① ① **SS738**

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.
①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.
** .50" (12.7) I.D. nylon bushing provided.*

Louver Wallplate, 1-Gang, Box Mount

Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Material	Metal Catalog Number
1-Gang, Vertical Mounted Louver 				Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① – – ① **SS771** –

Note: ①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

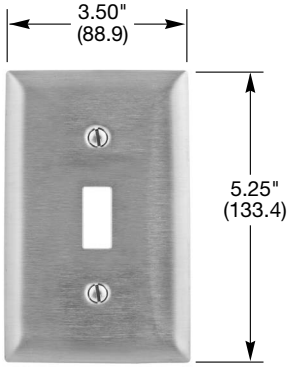
Jumbo, Smooth, Stainless Steel Type 302/304 Wallplates

Configuration	Catalog Number
1-Gang, 1-Toggle 	**SSJ1**
1-Gang, 1-Duplex 	**SSJ8**
1-Gang, 1-Decorator 	**SSJ26**
1-Gang, 1-Single Receptacle for 1.36–1.39 in. (34.5–35.3) dia. face 	**SSJ7**
1-Gang, 1-Single Receptacle for 2.09–2.13 in. (53.1–54.1) dia. face 	**SSJ723**
1-Gang, 1-Blank, box mount 	**SSJ13**
1-Gang, 1-Telephone opening, 0.640 in. (16.3) box mount 	**SSJ11***

Configuration	Catalog Number
2-Gang, 2-Toggle 	**SSJ2**
2-Gang, 2-Duplex 	**SSJ82**
2-Gang, 2-Decorator 	**SSJ262**
2-Gang, 1-Toggle, 1-Duplex 	**SSJ18**
2-Gang, 1-Toggle, 1-Decorator 	**SSJ126**
2-Gang, 2-Blank, box mount 	**SSJ23**

*Note: *.50 in. (12.7) I.D. nylon bushing provided.*
Specifications are subject to change without notice.

Oversize dimensions (see page N-32 for more details).
1-Gang, 5.25 in. x 3.50 in. (133.4 x 88.9).
2-Gang, 5.25 in. x 5.31 in. (133.4 x 134.9).



Jumbo Wallplate

Dimensions in Inches (mm)

Pre-Marked "EMERGENCY" Wallplates

Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Duplex, paint filled white lettering 	Red	–	**PJ8RMEV**	Aluminum Brass Brass Plated Chrome S/S 302/304	– – – – **SS8MEV**
1-Gang, 1-Toggle, paint filled white lettering 	Red	–	**PJ1RME**	Aluminum Brass Brass Plated Chrome S/S 302/304	– – – – **SS1ME**
2-Gang, 2 Duplex, paint filled red lettering 				Aluminum Brass Brass Plated Chrome S/S 302/304	– – – – **SS82MEV**

Note: See page N-30 for Mid-Size wallplate dimensions.
All lettering .25 in. (6.3) high.

Pre-Marked "ISOLATED GROUND" Wallplates

Description	Color	Thermoplastic Standard	Thermoplastic Mid-Size	Material	Metal Catalog Number
1-Gang, 1-Duplex, paint filled black 	Orange	**P8OIG**	–	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
1-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole for 1.36–1.39 in. (34.5–35.3) Dia. face, paint filled black 	Orange	**P7OIG**	–	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –
1-Gang, 1-Single Receptacle 1.60 in. (40.6) Hole for 20 and 30A Twist-Lock® with 1.55–1.58 in. (39.4–40.1) Dia. face, paint filled black 	Orange	**P720OIG**	–	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	– – – – – –

Dimensions in Inches (mm)



Stainless Steel Barrel Key Switch Wallplates

Description	1-Gang, with on/off markings	1-Gang, with position markings	2-Gang, with on/off markings	2-Gang, with position markings
Stainless steel, 302/304, smooth.	**SS12RKL** 	**SS12RKLM** 	**SS22RKL** 	**SS22RKLM** 

Note: See page D-3 for barrel key switch selection.

Single Count Screws and Accessories

Description	Catalog Number
Stainless steel screw, standard slot, .38 in. (9.7) long.	**HBL7341SS**
Security spanner head screws, 6-32 thread, 100 count.	**HBL7342RKL**
Screwdriver with spanner head security bit.	**HBL7372RKL**


HBL7341SS


HBL7342RKL


HBL7372RKL

Dimensions in Inches (mm)

1-Gang Security Wallplates, White

Description	Catalog Number
1-Toggle switch	**SWP1**
1-Duplex receptacle	**SWP8**
1-GFCI/Style Line® opening	**SWP26**
1-Telephone or TV opening .640 in. (16.3)	**SWP12**
1-Blank	**SWP13**


SWP1


SWP8

2-Gang Security Wallplates, White

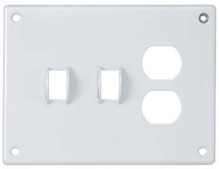
Description	Catalog Number
2-Toggle switches	**SWP2**
2-Duplex receptacles	**SWP82**
1-Toggle switch, 1-Duplex receptacle	**SWP18**
2-GFCI/Style Line® openings	**SWP262**
1-Toggle switch, 1-GFCI/Style Line® opening	**SWP126**
1-Duplex receptacle, 1-Telephone or TV	**SWP812**
1-Duplex receptacle, 1-Blank	**SWP813**
2-Blank	**SWP23**


SWP82


SWP18

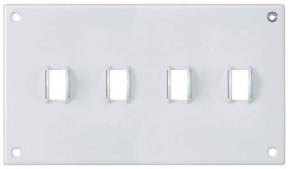
3-Gang Security Wallplates, White

Description	Catalog Number
3-Toggle switches	**SWP3**
2-Toggle switches, 1-Duplex receptacle	**SWP28**
3-GFCI/Style Line® openings	**SWP263**


SWP28

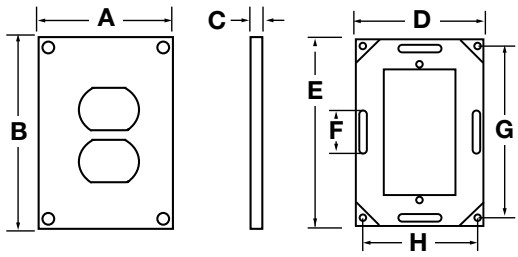
4-Gang Security Wallplates, White

Description	Catalog Number
4-Toggle switches	**SWP4**


SWP4

Dimensions Inches (mm)

Description	A	B	C	D	E	F	G	H
1-Gang	3.77" (95.8)	5.52" (140.2)	.55" (14.0)	3.37" (85.6)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	2.88" (73.2)
2-Gang	5.52" (140.2)	5.52" (140.2)	.55" (14.0)	5.13" (130.3)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	4.63" (117.6)
3-Gang	7.39" (187.7)	5.52" (140.2)	.55" (14.0)	7.00" (177.8)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	6.50" (165.1)
4-Gang	9.20" (233.7)	5.56" (141.2)	.55" (14.0)	8.75" (222.3)	5.13" (130.3)	1.00" (25.4)	4.63" (117.6)	8.30" (210.8)



Specifications

Tamper-resistant wallplate 1-gang duplex receptacle shall be of the following construction:

Wallplate: One piece #14 cold rolled zinc plated steel. Wallplate shall have a five stage baked white polyester powder enamel finish. Gloss: 85%; reflectance: 93%; hardness minimum: 2H and pass 600 hour salt spray test.

Back sub-plate: #10 cold rolled galvanized steel. Sub-plate assembly shall use four (4) #8-32 X ½ inch stainless steel T-15 TORX® head screws with center pin reject. Sub-plate must be UL listed to UL 514D and comply with the NEC®.

TORX® is a registered trademark of Textron Inc.
NEC® is a registered trademark of the The National Electrical Code.

Dimensions in Inches (mm)

Brass Locking Cover Plate

Description	Catalog Number
Locking cover plate for single 15 and 20A straight blade receptacles and 15A Twist-Lock® receptacles. Straight cylinder type lock. All cylinder locks keyed alike.	**HBL96067**

Weather Shield Wallplate

Description	Catalog Number
20° angle wallplate for duplex receptacles.	**HBL6187**



HBL96067
Shown with receptacle
(sold separately)



HBL6187
Shown with receptacle
and back box
(sold separately)

Catalog Number of Receptacles in Groups A through E below

Group A		Group B			Group C	Group D	Group E
Boss diameter 1.36" to 1.39" (34.5 to 35.3)		Boss diameter 1.55" to 1.58" (39.4 to 40.1)			Boss diameter 1.68" to 1.72" (42.7 to 43.7)	Boss diameter 2.09" to 2.13" (53.1 to 54.1)	Boss diameter 2.28" to 2.44" (57.9 to 62.0)
HBL23000HG	**HBL5661**	**HBL23CM10**	**HBL2530**	**HBL2770**	**HBL45105**	**HBL7962**	**HBL7301A**
HBL23030	**HBL6810**	**HBL2310**	**HBL26CM10**	**HBL2810**	**HBL45205**	**HBL9350**	**HBL8330A**
HBL4560	**HBL7210B**	**HBL2320**	**HBL2610**	**HBL2820**	**HBL45305**	**HBL9308**	**HBL8350A**
HBL4710	**HBL7250**	**HBL2330**	**HBL2620**	**HBL2830**	**HBL45905**	**HBL9315**	**HBL8430A**
HBL4760	**HBL7310B**	**HBL2340**	**HBL2630**	**HBL3330**		**HBL9330**	**HBL8450A**
HBL5251	**HBL7310BG**	**HBL2410**	**HBL2640**	**HBL3330G**		**HBL9360•**	**HBL8460A**
HBL52CM61	**HBL7535**	**HBL2420**	**HBL2650**	**HBL3430**		**HBL9365•**	**HBL9430A**
HBL5261	**HBL7582**	**HBL2430**	**HBL2710**	**HBL3430G**		**HBL9367•**	**HBL9450A**
HBL53CM61	**HBL8210**	**HBL2440**	**HBL2720**	**HBL3520**			**HBL9460A**
HBL5361	**HBL8310**	**HBL2450**	**HBL2730**	**HBL7410B**			
HBL5461	**HBL8410**	**HBL2460**	**HBL2740**	**HBL7410BG**			
HBL5552B	**HBL8420**	**HBL2510**	**HBL2750**				
		HBL2520	**HBL2760**				

Note: •50A 2P 3W.

Wallplates for Single Receptacles

	Group A		Group B		Group C		Group D		Group E
	Boss diameter 1.36" to 1.39" (34.5 to 35.3)		Boss diameter 1.55" to 1.58" (39.4 to 40.1)		Boss diameter 1.68" to 1.72" (42.7 to 43.7)		Boss diameter 2.09" to 2.13" (53.1 to 54.1)		Boss diameter 2.28" to 2.44" (57.9 to 62.0)
Description	1-Gang	2-Gang	1-Gang	2-Gang	1-Gang	2-Gang	1-Gang	2-Gang	2-Gang
Smooth thermoplastic.	**P7***	**–**	**P720***	**–**	**–**	**–**	**P724***	**P703***	**–**
Cast aluminum.	**HBL7320**	**–**	**HBL7320**	**–**	**HBL3394**	**–**	**HBL9419**	**–**	**–**
Stainless steel, 302/304, smooth.	**SS7****	**SS72**	**SS720**	**–**	**SS725**	**–**	**SS723**	**SS703**	**SS701**

*Note: *See pages N-7 and M-8 for complete wallplate descriptions.*
***Catalog number indicated is Stainless Steel, replace "**SS**" with the following prefix to designate material: "**SA**" for Anodized Aluminum, "**SB**" for Solid Brass.*

Weatherproof Lift Covers for WDL "Closed" and WDL "Open", Wet Locations, 1-Gang

	Group A	Group B	Group C	Group D		
Description	Boss diameter 1.36" to 1.39" (34.5 to 35.3)	Boss diameter 1.55" to 1.58" (39.4 to 40.1)	Boss diameter 1.68" to 1.72" (42.7 to 43.7)	Boss diameter 2.09" to 2.13" (53.1 to 54.1)	50A Twist-Lock® Receptacles	30A 4W Hubbellock® Receptacles
Thermoplastic, with cover "open", gray.	**HBL7423WO**	**HBL7425WOA**	**HBL7424WO**	**–**	**HBL7774WO▲**	**–**
Thermoplastic, with cover "open", yellow.	**HBL74CM23WO**	**HBL74CM25WOA**	**HBL74CM24WO**	**–**	**HBL77CM74WO▲**	**–**
Cast aluminum, with cover "closed".	**HBL7420**	**HBL7420**	**HBL3393**	**HBL9420** **HBL9425•**	**HBL7770**	**HBL20405†** **HBL20446†**

Note: •50A 2P 3W.
▲The "CS" versions of 50A Twist-Lock® receptacles will only fit these thermoplastic wallplates.
†HBL20446 wallplate painted red for use with HBL20443 only. HBL20405 wallplate is for use with HBL20403 only. See page B-65 for devices.

Weatherproof Thermoplastic Cover For Flanged Inlets and Flanged Receptacles

IP44 SUITABILITY



Description	Catalog Number
For use with 15 and 20A, 2 pole, 2 wire and 2 pole, 3 wire Insulgrip® flanged inlets and flanged receptacles below.	**WP1**

Straight Blade, 2 pole, 3 wire

Flanged Inlets		Flanged Receptacles	
	**HBL5278C** **HBL5378C** **HBL5478C** **HBL5678C**		**HBL5279C** **HBL5379C** **HBL5479C** **HBL5679C**



Twist-Lock®, 2 pole, 2 wire and 2 pole, 3 wire

Flanged Inlets		Flanged Receptacles	
	**HBL8815C** **HBL7524C** **HBL4716C** **HBL4586C** **HBL4786C**		**HBL8809C** **HBL7526C** **HBL4715C** **HBL4585C** **HBL4785C**

Weatherproof Thermoplastic Cover For Flanged Inlets and Flanged Receptacles

Description	Catalog Number
For use with 20 and 30A, 3, 4, and 5 wire Insulgrip flanged inlets and flanged receptacles below.	**WP2**

Twist-Lock®, 2 pole, 3 wire; 3 pole, 4 wire; 4 pole, 4 wire; 4 pole, 5 wire

Flanged Inlets



HBL2315	**HBL2445**	**HBL2635**	**HBL2765**
HBL2325	**HBL2455**	**HBL2645**	**HBL2775**
HBL2335	**HBL2465**	**HBL2655**	**HBL2815**
HBL2345	**HBL2515**	**HBL2715**	**HBL2825**
HBL2355	**HBL2525**	**HBL2725**	**HBL2835**
HBL2415	**HBL2535**	**HBL2735**	**HBL3325C**
HBL2425	**HBL2615**	**HBL2745**	**HBL3334C**
HBL2435	**HBL2625**	**HBL2755**	**HBL7408C**

Flanged Receptacles



HBL2316	**HBL2446**	**HBL2636**	**HBL2766**
HBL2326	**HBL2456**	**HBL2646**	**HBL2776**
HBL2336	**HBL2466**	**HBL2656**	**HBL2816**
HBL2346	**HBL2516**	**HBL2716**	**HBL2826**
HBL2356	**HBL2526**	**HBL2726**	**HBL2836**
HBL2416	**HBL2536**	**HBL2736**	**HBL3326C**
HBL2426	**HBL2616**	**HBL2746**	**HBL3335C**
HBL2436	**HBL2626**	**HBL2756**	**HBL7409C**



WP1



WP2

Weatherproof Thermoplastic Cover For Flanged Inlets 50 Amp CS Series

Description	Catalog Number
For use with 50A locking inlets with trimmed sides only.	**HBL7780**



HBL7780

IP44
SUITABILITY


HBL7777A

Weatherproof Covers for Receptacles with Face Dia. of 2.28–2.44 in. (57.9–62.0)

Description	Catalog Number
Thermoplastic, 2-gang, wet and damp locations with cover “closed”, gray.	**HBL7777A▲**
Thermoplastic, 2-gang, wet and damp locations with cover “closed”, yellow.	**HBL77CM77A▲**

Weatherproof Covers for Receptacles with Face Dia. of 2.09–2.13 in. (53.1–54.1)

Description	Catalog Number
Cast aluminum, wet locations only when cover “closed” and damp locations.	**HBL9420**
Cast aluminum, no lift cover. NOT weatherproof.	**HBL9419**


HBL9420

Weatherproof Covers for 50A Twist-Lock® Single Receptacles

Description	Catalog Number
Thermoplastic, wet and damp locations with cover “open”, gray.	**HBL7774WO***
Thermoplastic, wet and damp locations with cover “open”, yellow.	**HBL77CM74WO***
Cast aluminum, wet locations only when cover “closed” and damp locations.	**HBL7770**
Galvanized Steel, fits 4" square or 2-gang box.	**HBL50SC****
Stainless steel, single gang, wallplate. NOT weatherproof.	**SS750▲**


HBL7774WO

Weatherproof Covers for 30A, 4 Wire Hubbellock® Receptacles

Description	Catalog Number
Thermoplastic, wet and damp locations with cover “open”, gray.	**HBL7428WOG***
Thermoplastic, wet and damp locations with cover “open”, yellow.	**HBL7428WOY***
Thermoplastic, wet and damp locations with cover “open”, red.	**HBL7428WOR***
Cast aluminum, wet locations only when cover “closed” and damp locations, lift cover plate.	**HBL20405**
Cast aluminum, wet locations only when cover “closed” and damp locations, red finish.	**HBL20446**
Cast aluminum, no lift cover. NOT weatherproof.	**HBL20406**

Note: ▲Will fit FS/FD boxes having wallplate mounting holes on 3.25 in. x 3.75 in. (82.6 x 95.3) centers.
▽Will only fit old style porcelain face devices.
**The “CS” versions of 50A Twist-Lock® will only fit these wallplates.*
***IP20 Suitability.*


HBL7770

Weatherproof Covers for Single Receptacles on FS/FD Boxes

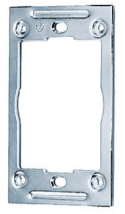
All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED for intermittent use in wet locations or use in damp locations. Those with suffix “WO” are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.

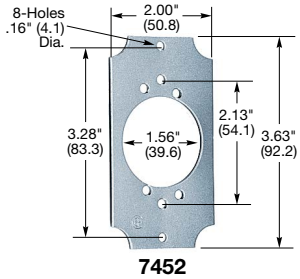

HBL20405

Accessories

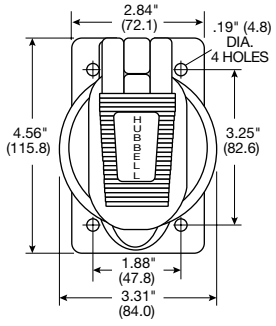
Description	Catalog Number
Sub-plate for mounting and weatherproofing flanged devices with mounting centers of 1.76", 1.94" or 2.13" such as HBL7556, HBL4716, etc. when used with a HBL7420 or HBL7425WOA type weatherproof covers.	**7452•**
Adapter plate for mounting HBL7423WO, HBL7424WO, HBL7425WOA or HBL7420 covers to standard boxes.	**HBL7349•**

Note: •Not UL Listed.


HBL7349



7452



Typical Plate, 1-Gang

Dimensions in Inches (mm)

IP44
SUITABILITY

Weatherproof Covers for Receptacles with Face Dia. of 1.36–1.39 in. (34.5–35.3)

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7423WO**
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL74CM23WO**
Cast aluminum, wet location only when cover "closed" and damp locations.	**HBL7420**
Cast aluminum, no lift cover, NOT weatherproof.	**HBL7320▲**


HBL7423WO

Weatherproof Covers for Switches & Receptacles with Face Dia. of 1.55–1.58 in. (39.4–40.1)

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7425WOA**
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL74CM25WOA**
Thermoplastic, wet and damp locations with cover "open", white.	**HBL74CM25WOAW**
Cast aluminum, wet and damp locations with cover "closed."	**HBL7420***
Cast aluminum, no lift cover, NOT weatherproof.	**HBL7320▲**
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7428WOG****
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL7428WOY****
Thermoplastic, wet and damp locations with cover "open", red.	**HBL7428WOR****


HBL7425WOA

Weatherproof Covers for Receptacles with Face Dia. of 1.68–1.72 in. (42.7–43.7)

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7424WO**
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL74CM24WO**
Cast aluminum, wet location only when cover "closed" and damp locations.	**HBL3393**
Cast aluminum, no lift cover, NOT weatherproof.	**HBL3394▲**


HBL7420

*Note: *Cast aluminum lift cover with fibershield for standard toggle and PresSwitch® Switches.*
***Features two #6-32 threaded inserts to back mount device to cover.*
▲IP20 SUITABILITY.
All weatherproof lift cover plates on this page are UL Listed as "WDL Closed" for use in wet locations with cover closed and in damp locations.

Weatherproof Covers for Single Receptacles on FS/FD Boxes

All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.


HBL7320

2023 National Electrical Code (NEC®) Requirement

406.9 Receptacles in Damp or Wet Locations.

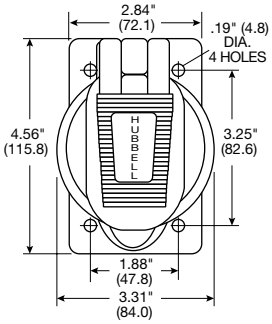
406.9 Receptacles in Damp or Wet Locations.
(B) Wet Locations
(1) Receptacles of 15 and 20 Amperes in a Wet Location.
Receptacles of 15 and 20 amperes, 125 and 250 volts installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. An outlet box hood installed for this purpose shall be identified as "extra-duty." Other listed products, enclosures, or assemblies providing weatherproof protection that do not utilize an outlet box hood need not be marked "extra-duty."

All 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles shall be listed and so identified as weather-resistant type.

(2) Other Receptacles. All other receptacles installed in a wet location shall comply with 406.9(B)(2)(a) or (B)(2)(b).

(a) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.

(b) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.



Typical Plate, 1-Gang


HBL7424WO


HBL3393

NEC® is a registered trademark of the The National Electrical Code.

Dimensions in Inches (mm)

IP44
SUITABILITY



HBL1795

Weatherproof Wallplates

Description	Catalog Number
Clear bubble wallplate, silicone rubber for use with all general purpose AC toggle and PresSwitch® switches. Fits both FS/FD and standard boxes.	**HBL1795**



HBL1750

Weatherproof Wallplates

Description	Catalog Number
Gray neoprene PresSwitch® wallplate. Fits FS/FD and standard boxes.	**HBL1750***
Same as above except yellow.	**HBL17CM50***

*Note: *Not UL Listed.*



HBL1785

Weatherproof Wallplates

Description	Catalog Number
Gray neoprene PresSwitch® wallplate with 125V red pilot light. Fits only FS/FD boxes.	**HBL1785***
Same as above except yellow.	**HBL17CM85***

*Note: *Not UL Listed.*



HBL7420

Weatherproof Covers

Description	Catalog Number
Cast aluminum lift cover with fiber shield. For standard toggle and PresSwitch® switches. Fits only FS/FD boxes.	**HBL7420**



HBL96061
Shown with cover and switch (sold separately)

Brass Locking Covers Attachment for Switches

Description	Catalog Number
Straight keying (all locks alike) appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key. All locks are keyed alike.	**HBL96061***
Same as above except in dull chrome finish to match stainless steel wallplates.	**HBL96061DCH***
Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed.	**HBL96062***

*Note: *Not UL Listed or CSA Certified.*



HBLWLC

Locking Device

Description	Catalog Number
Locking device for weatherproof covers.	**HBLWLC**

IP44
SUITABILITY

Duplex Covers For Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL5221**
Thermoplastic, yellow, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL52CM21**
Thermoplastic, white, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL52CM21W**
Thermoplastic, gray, for device mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL5222**
Thermoplastic, yellow, for device mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL52CM22**
Die cast aluminum, gray, commercial grade, vertical position, device mount.	4.56" x 2.81" x 0.75" (115.8 x 71.4 x 19.1)	**WP8V**



HBL5221



WP8V

Duplex Covers For Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Cast aluminum, for device mounting.	2.88" x 4.56" x 0.79" (73.2 x 115.8 x 20.1)	**HBL5205WO**
Cast aluminum, for FS/FD box mounting.	2.88" x 4.56" x 0.79" (73.2 x 115.8 x 20.1)	**HBL5206WO**
Die cast aluminum, gray, commercial grade, horizontal position, device mount.	2.90" x 4.60" x 0.75" (73.7 x 116.8 x 19.1)	**WP8H**



HBL5206WO



WP8H

GFCI, Surge and Style Line® Covers

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.84" x 1.27" (115.8 x 72.2 x 32.3)	**HBL5226**
Die cast aluminum, gray, commercial grade, vertical position, device mount.	4.56" x 2.81" x 0.75" (115.8 x 71.4 x 19.1)	**WP26V**
Die cast aluminum, gray, commercial grade, horizontal position, device mount.	2.30" x 4.75" x 0.73" (58.4 x 120.7 x 18.5)	**WP26H**



HBL5226



WP26V

Toggle Cover

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL5201**



HBL5201

Note: All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All cover plates are gasketed and self-closing.

Dimensions in Inches (mm)

Features and Benefits

Weatherproof Metallic While-In-Use Covers

The NEMA 3R Rated EXTRA DUTY® Metallic and Non-metallic While-in-Use Covers offer weather protection for outlets when they are in use.

- Patented keyhole mounting system allows installation in under a minute
- Pre-configured for GFCI with patented technology for alternate devices
- Lockable tab for OSHA compliance
- Sealed-in-place gasket
- Premium powder coat
- External cord retention chamber
- Each box contains three or six adapters to make a variety of configurations (8 or 55)





WP26E



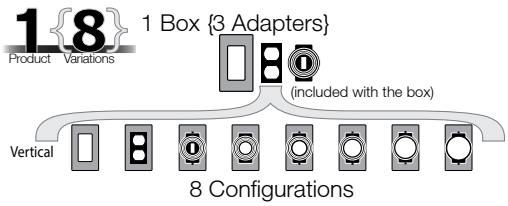
WP26EH



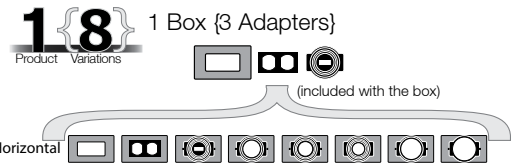
WP262E

Metallic EXTRA DUTY® While-In-Use Covers

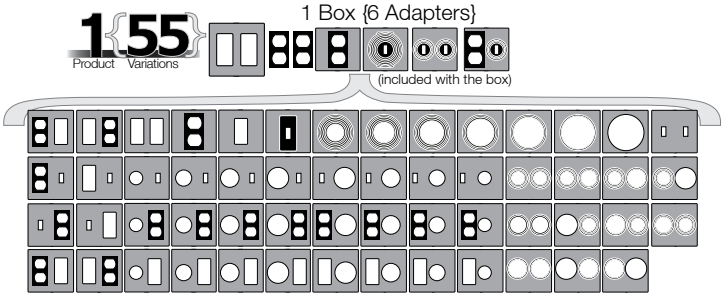
Description		Dimensions Height x Width x Depth	Catalog Number
Heavy duty die-cast aluminum 1-gang box with gray lid for vertical mounting offers superior commercial quality 8-in-1 configurations.	1 Product Variations 8	6.12" X 3.37" X 3.5" (155.4 X 85.6 X 89.0)	**WP26E**
Heavy duty die-cast metal 1-gang box with gray lid for horizontal mounting; 8-in-1 configurations.	1 Product Variations 8	4.37" X 5.12" X 3.5" 111.0 X 130.0 X 89.0)	**WP26EH**
Heavy duty die-cast metal 2-gang box with gray lid for vertical mounting; 55-in-1 configurations.	1 Product Variations 55	6.12" X 5.12" X 3.5" (155.4 X 130.0 X 89.0)	**WP262E**



8 Configurations

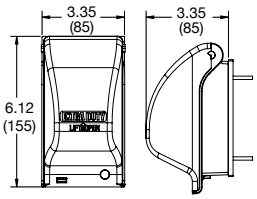


8 Configurations

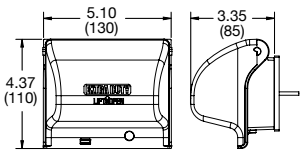


55 Configurations

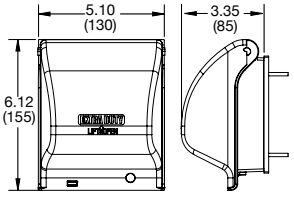
Metallic Cover Dimensions



WP26E



WP26EH



WP262E

Dimensions in Inches (mm)

Features and Benefits

Weatherproof Non-Metallic While-In-Use Covers

The NEMA 3R Rated EXTRA DUTY® Metallic and Non-metallic While-in-Use Covers offer weather protection for outlets when they are in use.

- Patented keyhole mounting system allows installation in under a minute
- Pre-configured for GFCI with patented technology for alternate devices
- Lockable tab for OSHA compliance
- Sealed-in-place gasket
- High-impact polycarbonate construction provides maximum durability
- Each box contains three or six adapters to make a variety of configurations (16 or 55)



Weather Resistant Recessed Receptacle with While-In Use Cover

Description	Housing Color	Horizontal Mount	Vertical Mount
Weather and tamper-resistant duplex receptacle with clear while-in-use cover, 15A 125V	GRAY	**RW15300GY**	**RW15400GY**
	WHITE	**RW15300W**	**RW15400W**
	BROWN	**RW15300BR**	**RW15400BR**


RW15400GY


RW15300GY

Non-Metallic While-In-Use Covers

Description		Dimensions Height x Width x Depth	Standard	EXTRA DUTY®
Standard 1-gang box with clear tinted cover, for horizontal or vertical mounting; 16-in-1 configurations.	1 16 Product Variations	5.90" X 4.18" X 2.75" (149.8 X 106.1 X 69.9)	**RW57300**	**RW58300**
Extra deep 1-gang box with clear tinted cover, for horizontal or vertical mounting; 16-in-1 configurations.	1 16 Product Variations	5.92" X 4.20" X 4.75" (150.4 X 106.7 X 120.7)	**RW57350**	**RW58350**
Standard 2-gang box, clear tinted cover, for vertical mounting only; 55-in-1 configurations.	1 55 Product Variations	5.54" X 5.43" X 2.75" (140.7 X 138.0 X 69.9)	**RW57750**	**RW58750**


RW57300

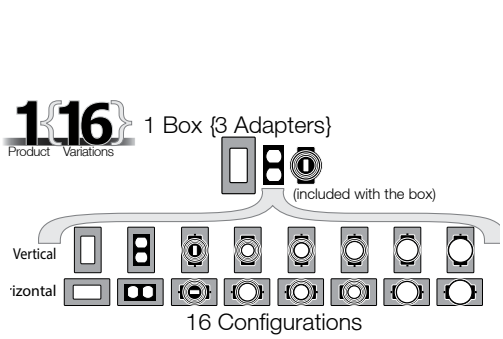

RW58300


RW57350

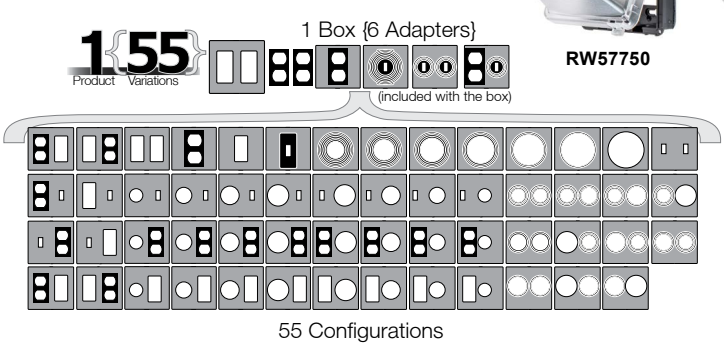

RW58350


RW57750


RW58750

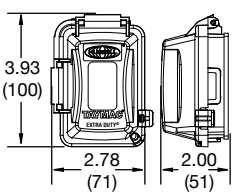


16 Configurations

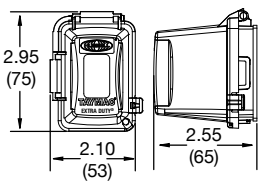


55 Configurations

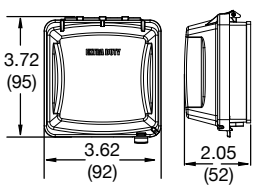
Non-Metallic Cover Dimensions



RW58300



RW58350



RW58750

Dimensions in Inches (mm)

Features and Benefits

Weatherproof Non-Metallic Recessed While-In-Use Extra Duty Covers

Hubbell has added a unique solution to our weatherproof, non-metallic device cover line up with the Recessed In-Use Extra Duty rated Cover. This is a great alternative for locations to meet the NEC code when space and aesthetics are important.

- Aesthetically pleasing flat profile
- Meets the Extra Duty rating
- Versatility, it can be installed for new or old work
- Compatibility with all common siding types and materials: vinyl, wood, stucco and brick/block
- Mounted horizontally or vertically
- Includes an electrical box and optional siding flange
- Compatibility with duplex, GFCI and single receptacles (receptacle not included)
- cULus listed product and NEC and NEMA 3R compliant
- Colors available clear cover with gray, white or bronze back housing







RW5420CW

Non-Metallic EXTRA DUTY® While-In-Use Covers

Description	Color	Catalog Number
1-Gang Weatherproof Extra Duty Recessed While-In-Use Cover	Clear/Gray	**RW5420CG**
	Clear/White	**RW5420CW**
	Clear/Bronze	**RW5420CZ**

Weatherproof Heavy Cast Aluminum Lockable Cover

Made of heavy cast aluminum that provides high strength. Suitable for industrial and comercial applications.

- Flush enclosure, cover has mounting plate, fits standard 4 inch or $4^{11}/_{16}$ inch electrical box
- Adapter plates for GFCI, duplex, single receptacles or switch
- Rated NEMA 3R
- cULus listed





WP4600

Weatherproof Heavy Cast Aluminum Lockable Cover

Description	Color	Catalog Number
1-Gang weatherproof 4 in 1 flush enclosure heavy cast aluminum lockable cover.	Aluminum	**WP4600**

Features and Benefits

Stainless Steel Weatherproof Flip Covers

Stainless steel weatherproof flip covers are suitable for use in applications where corrosion and sanitation are vital concerns. Heavy duty 316 stainless steel provides an excellent finish and superior corrosion resistance in all applications. Models listed are typically used in indoor/outdoor applications such as, food/chemical processing, pharmaceutical and water treatment facilities.



- Manufactured in heavy duty 316 stainless steel for increased corrosion resistance
- Polished finish for a clean aesthetic appearance
- Smooth surfaces to allow ease of cleaning
- Duplex and GFCI versions
- UL Type 3R:
  - Rain-tight and sleet (Ice) resistant
  - Self-closing lid
- UL Type 4X:
  - Watertight, dust-tight and corrosion resistant for wash-down application
  - Latching cover

Industries Commonly Served

- Food and Beverage Production and Distribution
- Chemical Plants
- Water and Wastewater Treatment
- Pharmaceuticals and Cosmetics
- Refining and Extraction Sites
- Petrochemical Operations
- Marine and Coastal Facilities
- Pulp and Paper Mills
- Along with other corrosive environments

1-Gang Stainless Steel Weatherproof Flip Covers

Description	Catalog Number
1 Gang, Stainless Steel Duplex Cover, 3R	**HBLSS83R**
1 Gang, Stainless Steel GFCI Cover, 3R	**HBLSS263R**
1 Gang, Stainless Steel Duplex Cover, 4X	**HBLSS84X**
1 Gang, Stainless Steel GFCI Cover, 4X	**HBLSS264X**



HBLSS83R

1-Gang Stainless Steel While-In-Use Weatherproof Cover

Description	Catalog Number
1 Gang, Stainless Steel GFCI Cover, 3R	**HBLSS26WIS**



HBLSS263R

Specifications

Cover	Stainless Steel
Base	Stainless Steel
Hinge Pin	Stainless Steel
Spring	Stainless Steel
Base Gasket	Elastomer
Cover Gasket	Elastomer
Back Gasket	Eva Form
Ground Screw	Steel, Zinc Plated
Mounting Screw	Stainless Steel



HBLSS84X

Product Dimensions

Catalog Number	Height	Width	Depth	Opening
HBLSS83R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS263R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)
HBLSS84X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS264X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)
HBLSS26WIS	6.54" (166.1)	3.70" (93.9)	2.31" (58.7)	7.57" (192.3)



HBLSS26WIS

Dimensions in Inches (mm)



RW51470



RW51550



RW51040

1-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for box mounting.	4.58" x 2.82" x 0.57" (116.3 x 71.6 x 14.5)	**RW51470**
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	4.56" x 2.81" x 0.88" (115.8 x 71.4 x 22.4)	**RW51550***
Zinc die cast, gray, GFCI, Surge and Style Line® cover for device mounting.	4.58" x 2.81" x 0.57" (116.3 x 71.4 x 14.5)	**RW51040**



RW51810



RW51520



RW51020

1-Gang Weatherproof Covers for Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for device mounting.	2.82" x 4.57" x 0.79" (71.6 x 116.1 x 20.1)	**RW51810**
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	2.81" x 4.56" x 0.99" (71.4 x 115.8 x 25.1)	**RW51520***
Zinc die cast, gray, GFCI, Surge and Style Line® cover for device mounting.	2.82" x 4.56" x 0.52" (71.6 x 115.8 x 13.2)	**RW51020**



RW51320



RW51330



RW51380



RW51450

2-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for device mounting.	4.54" x 4.54" x 0.75" (115.3 x 115.3 x 19.1)	**RW51320**
Zinc die cast, gray, one duplex/one GFCI, Surge and Style Line® cover for box mounting.	4.54" x 4.54" x 0.77" (115.3 x 115.3 x 19.6)	**RW51330**
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	4.54" x 4.54" x 0.77" (115.3 x 115.3 x 19.6)	**RW51380**
Zinc die cast, gray, two GFCI, Surge and Style Line® cover for box mounting.	4.54" x 4.56" x 0.73" (115.3 x 115.8 x 18.5)	**RW51450**

Note: All weatherproof cover plates are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. All cover plates are gasketed and self-closing.
**cULus Listed.*

Dimensions in Inches (mm)

Screws, 6-32 Thread, 100 Count

Description	Color/Material	Catalog Number
Decorator Wallplate Screws, Oval Head Milled Slot, ⅜ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100).	Black Brown Gray Ivory Light Almond White Stainless Steel	**RA38BKPK100** **RA38PK100** **RA38GYPK100** **RA38IPK100** **RA38LAPK100** **RA38WPK100** **RA38SSPK100**
Brass plated screw, standard slot, .38 in. (9.7) long.	Brass	**HBL7341**
Standard Wallplate Screws, Oval Head Milled Slot, ½ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100).	Black Brown Gray Ivory Light Almond White	**RA12BKPK100** **RA12PK100** **RA12GYPK100** **RA12IPK100** **RA12LAPK100** **RA12WPK100**
Standard Wallplate Screws, Oval Head Milled Slot, ⅝ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100).	Stainless Steel	**RA58SSPK100**
Standard Wallplate Screws, Oval Head Milled Slot, 1.0 in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100).	Ivory White Stainless Steel	**RA88IPK100** **RA88WPK100** **RA88SSPK100**



RA38IPK100



HBL7341



RA12IPK100



RA58SSPK100



RA88IPK100

Single Count Screws and Accessories

Description	Color	Catalog Number
Blank adapter, to fill a toggle opening.	Brown Ivory White	**RA756** **RA756I** **RA756W**
Blank adapter, to fill a decorator opening.	Black Gray Ivory Light Almond White	**NS620BK** **NS620GY** **NS620I** **NS620LA** **NS620W**
Blank adapter, .406" (10.30) dia. hole, to fill a decorator opening.	Ivory Light Almond White	**NS621I** **NS621LA** **NS621W**
Mounting strap, with screws.	Steel	**RA40**



RA756W



RA40

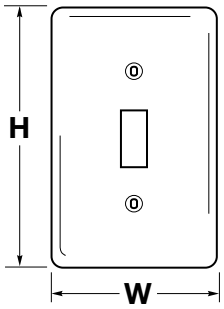


NS620I

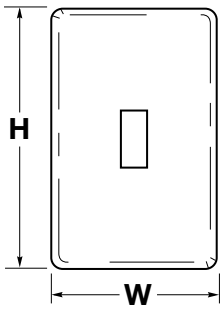


NS621I

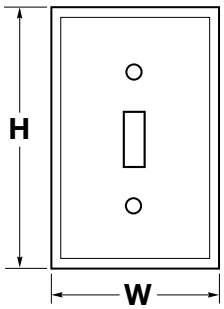
Wallplate Dimensions



	Thermoplastic					
	Standard		Mid-Size		Jumbo-Size	
Size	Height	Width	Height	Width	Height	Width
1-Gang	4.63" (117.6)	2.88" (73.2)	4.94" (125.3)	3.15" (80.0)	5.25" (133.4)	3.50" (88.9)
2-Gang	4.63" (117.6)	4.69" (119.1)	4.94" (125.3)	5.00" (126.9)	5.25" (133.4)	5.31" (134.9)
3-Gang	4.63" (117.6)	6.50" (165.1)	4.88" (123.8)	6.75" (171.5)		
4-Gang	4.63" (117.6)	8.31" (211.1)	4.88" (123.8)	8.56" (217.4)		
5-Gang	4.63" (117.6)	10.12" (257.1)				
6-Gang	4.63" (117.6)	11.94" (303.1)				



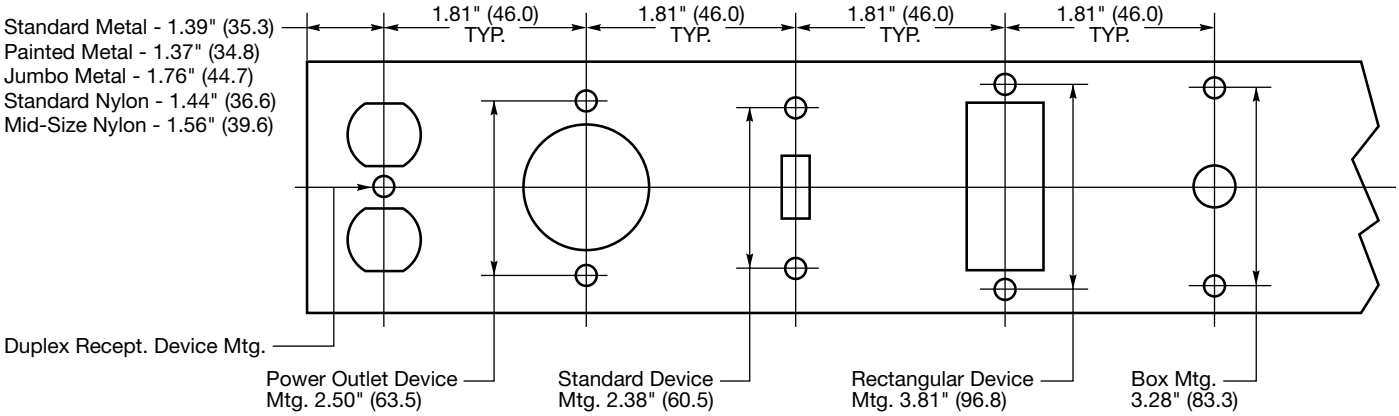
	Snap-On Thermoplastic		
Size	Height	Width	Depth
1-Gang	4.75" (120.6)	3.00" (76.2)	.25" (6.35)
2-Gang	4.75" (120.6)	4.81" (122.2)	.25" (6.35)
3-Gang	4.75" (120.6)	6.62" (168.2)	.25" (6.35)
4-Gang	4.75" (120.6)	8.44" (214.3)	.25" (6.35)



	Standard Metal		Painted Metal		Jumbo Metal	
Size	Height	Width	Height	Width	Height	Width
1-Gang	4.50" (114.3)	2.87" (72.9)	4.50" (114.3)	2.75" (69.8)	5.25" (133.4)	3.50" (88.9)
2-Gang	4.50" (114.3)	4.60" (116.8)	4.50" (114.3)	4.56" (115.8)	5.25" (133.4)	5.31" (134.9)
3-Gang	4.50" (114.3)	6.41" (162.8)	4.50" (114.3)	6.38" (162.1)		
4-Gang	4.50" (114.3)	8.22" (208.8)	4.50" (114.3)	8.18" (207.8)		
5-Gang	4.50" (114.3)	10.03" (254.8)	4.50" (114.3)	10.00" (254.0)		
6-Gang	4.50" (114.3)	11.81" (300.0)	4.50" (114.3)	11.81" (300.0)		
7-Gang	4.50" (114.3)	13.68" (347.5)				
8-Gang	4.50" (114.3)	15.44" (392.1)				

Wallplate Openings and Mounting Dimensions

#6-32 Oval Head Screws Typical



Note: Specifications are subject to change without notice.

Dimensions in Inches (mm)

Custom Metal Wallplates

How To Select A Custom Metal Wallplate

Step 1:

Determine wallplate material and enter in box marked "Catalog Number"

Smooth Metal Material	Code
Anodized Aluminum	**AL**
Brass plated steel	**BP**
Solid brass	**BR**
Chrome plated steel	**CH**
Stainless steel 302/304	**SS**

Determine number of gangs required and enter in box marked "Catalog Number" next to material.

Number of Gangs	Code
1-gang	**1**
2-gang	**2**
3-gang	**3**
4-gang	**4**
5-gang	**5**
6-gang	**6**
7-gang	**7**
8-gang	**8**

Enter
Catalog Number

♦ **WC* SS 4**

Step 2:

Enter quantity.

Step 3:

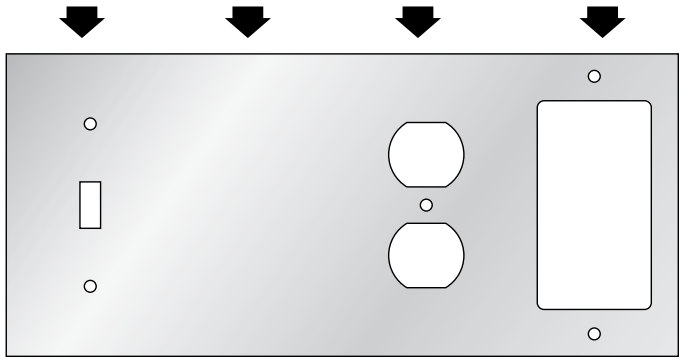
Select the custom metal wallplate configuration.

Refer to the custom wallplate configuration chart to select a configuration for each gang in the wallplate. Each configuration has a specific 3-digit code located in the right hand side of the chart on pages N-32 to N-34. Enter this 3-digit configuration code in the corresponding box on the order form grid to match the position required on the finished custom wallplate.

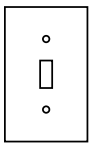
Item No.	Catalog Number	Quantity	Code	Position 1	Position 2	Position 3	Position 4
1	**WCSS4**		**H***	**001**	**149**	**008**	**026**
2							

*Note: *WC and H are preprinted on the distributor order form.*
♦Number to use for pricing.

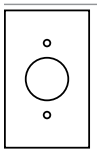
The 3-digit numbers listed at the upper right of the Sample Order Form (001, 149, etc.) represent the custom metal wallplate selected on the right. See Configuration Chart and Hubbell Configuration Selector Guide on pages N-32 to N-34 or additional configuration choices.



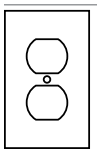
Configuration Chart



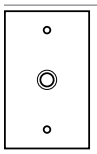
001
Switch.



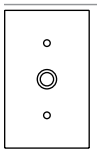
007
Single Receptacle.
1.40" ID (35.6) Hole.



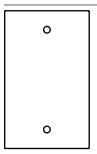
008
Duplex Receptacle.



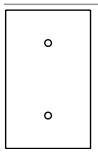
011
1-Gang .635" ID (16.1)
Hole Box Mounted with
.50" ID (12.7) Nylon Bushing.



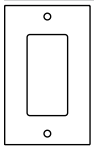
012
1-Gang .635" ID (16.1) Hole Strap Mounted
incl. Strap with .50" ID (12.7) Nylon Bushing.



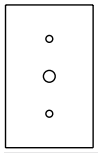
013
Blank Box Mounted.



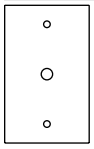
014
Blank Strap Mounted
incl. Strap.



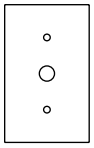
026
Rectangular Opening.



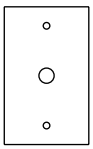
055
1-gang .375" ID (9.5) Hole
Strap Mounted incl. Strap.



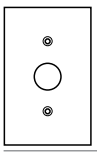
056
1-Gang .375" ID (9.5) Hole
Box Mounted.



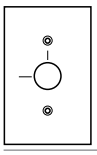
057
1-Gang .50" ID (12.7) Hole
Strap Mounted incl. Strap.



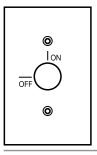
058
1-Gang .50" ID
(12.7) Hole Box Mounted.



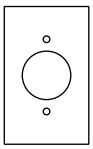
078
Barrel Key Switch.



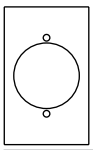
079
Barrel Key Switch with
Hash Marks.



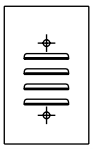
080
Barrel Key Switch with
ON/OFF and Hash Marks.



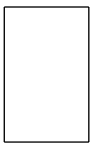
091
Single Receptacle.
1.60" ID (40.5) Hole.



098
Single Receptacle.
2.16" ID (54.7) Hole.

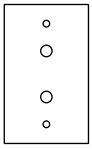


135
Vertical Mounted Louver.



149
Totally Blank
(No Mounting Holes).

Coax/Twinax and Modular Jack Openings



456
.375" (9.5) Dia.
Round Box Mounted.

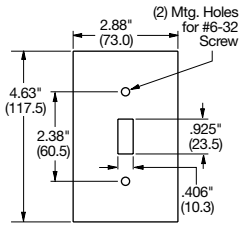
458
.500" (12.7) Dia.
Round Box Mounted.

411
.635" (16.1) Dia.
Round Box Mounted.

Note: For detailed dimensions of the above configurations, see pages N-35 and N-36. Available in smooth metal, standard size only up to and including 8-gang type.

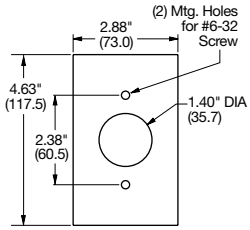
Dimensions in Inches (mm)

Configuration Chart (Continued)



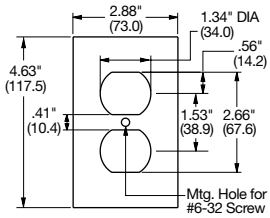
Configuration
001

Toggle Switch Wallplate



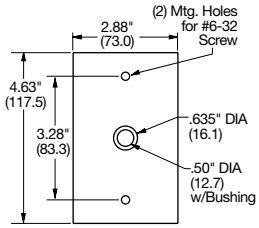
Configuration
007

Single 15 or 20A Straight Blade Receptacle;
15A Twist-Lock® Receptacle



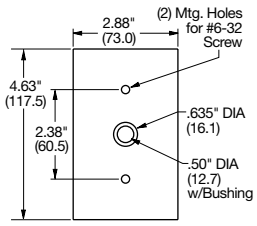
Configuration
008

Duplex Receptacle



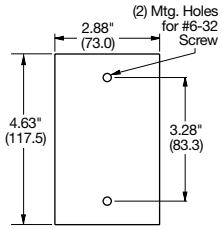
Configuration
011

Single, .635" (16.1) Telephone (Box Mount)



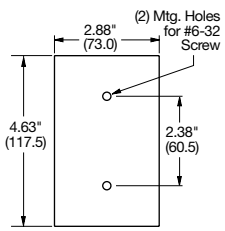
Configuration
012

Single, .635" (16.1) Telephone (Strap Mount)



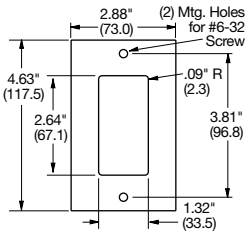
Configuration
013

Blank Walllate (Box Mount)



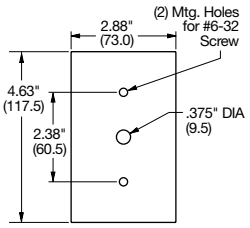
Configuration
014

Blank Wallplate (Strap Mount)



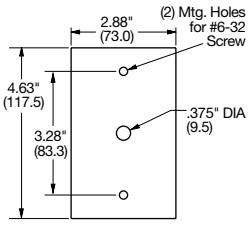
Configuration
026

GFI/Rectangular Opening



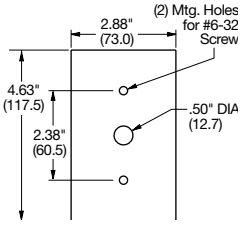
Configuration
055

Single, .375" (9.5) Telephone (Strap Mount)



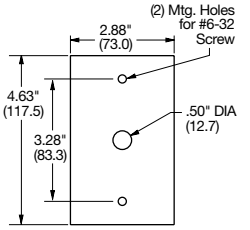
Configuration
056

Single, .375" (9.5) Telephone (Box Mount)



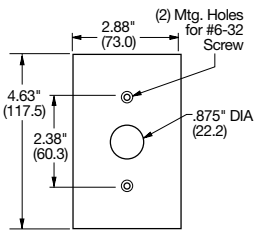
Configuration
057

Single, .50" (12.7) Telephone (Strap Mount)



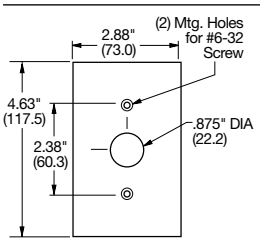
Configuration
058

Single, .50" (12.7) Telephone (Box Mount)



Configuration
078

Barrel Key Switch



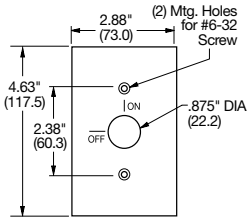
Configuration
079

Barrel Key Switch with Hash Marks

Note: Specifications are subject to change without notice.

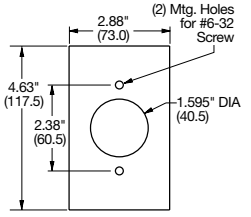
Dimensions in Inches (mm)

Configuration Chart (Continued)



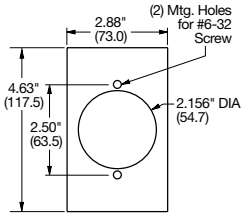
Configuration
080

Barrel Key Switch with
ON/OFF and Hash Marks



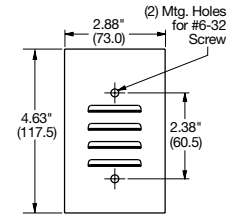
Configuration
091

Single 20 or 30A Twist-Lock® Receptacle



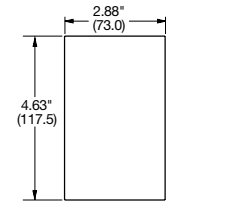
Configuration
098

Single Receptacle,
30 or 50A Straight Blade,
3 Wire Power Outlet



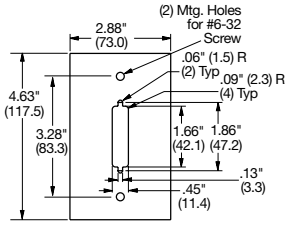
Configuration
135

Louvered Wallplate
(Strap Mount)



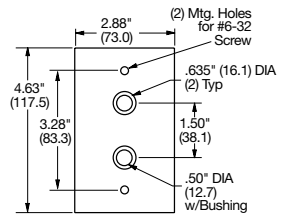
Configuration
149

Totally Blank Wallplate



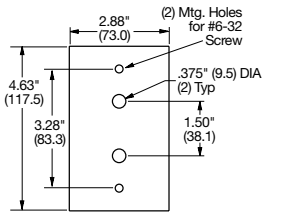
Configuration
295

RS232 Port Single 25-Pin
(Box Mount)



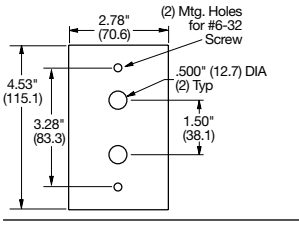
Configuration
411

Dual .635" (16.1) Holes
(Box Mount)



Configuration
456

Dual .375" (9.5) Round
(Box Mount)



Configuration
458

Dual .50" (12.7) Round
(Box Mount)

Note: Specifications are subject to change without notice.

Dimensions in Inches (mm)

SECTION O

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SystemOne Recessed Floor Boxes for Concrete Floors



Flush Floor Boxes for Concrete Floors



CONNEXION 2.0 Zone Distribution System



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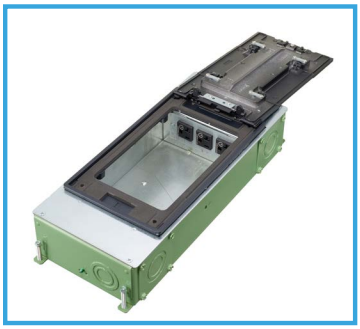
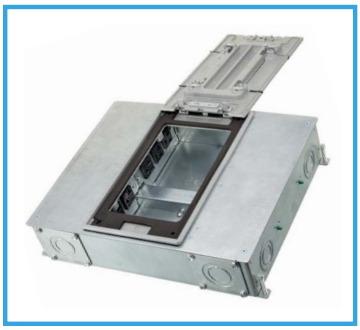
ETERNAL™ Series Products at a Glance



2-Gang Recessed

The Hubbell SystemOne 2-Gang Recessed Concrete Floor Box offers eight styles, satisfying the requirements of almost any commercial building application. Rectangular or round covers, as well as furniture feed covers, are available in a variety of finishes to blend with any existing or new décor. A parallel-device layout reduces plug interference, maximizing functionality and performance.



4-Gang Recessed

Similar to the 2-Gang Recessed Concrete Floor Box, Hubbell's SystemOne 4-Gang Recessed Concrete Floor Box is available with rectangular or round covers. Ten different styles make it possible to meet the electrical requirements of most commercial projects - new construction or renovation. The parallel device layout maximizes functionality which can be limited when devices are mounted 90° from one another.



4/5-Gang Recessed

The 4/5-Gang box provides a uniform look with rectangular or round covers that are available in several finishes to complement existing décor. Electrical devices are mounted vertically and are mounted to the plate prior to securing it to the box. Four removable knockout plates allows for 2" conduit feed-thru allowing for dual serivce capacity.



6-Gang Recessed

Increased power, data, and AV capacity is what the Hubbell SystemOne 6-Gang Recessed Concrete Floor Box was designed to handle. Four styles allow the floor box to work within almost any commercial application to enhance connectivity. Four removable knockout plates allows for 2" conduit feed-thru. Rectangular and round covers are available in a variety of finishes that work with any aesthetic or finish.



8/10-Gang Recessed

With maximum capacity in a small footprint, the 8/10-Gang box provides a uniform look with rectangular or round covers that are available in several finishes to complement existing décor. Electrical devices are mounted vertically and are mounted to the plate prior to securing it to the box. Four removable knockout plates allows for 2" conduit feed-thru allowing for simple installation of AV cables with pre-connectorized heads and specific bend radius requirements.

Box

- 3.75" deep wiring device chambers
- 14 gauge galvanized sheet metal and PVC and Cast Iron
- Optional fusion-bonded, green epoxy paint for on-grade use
- 3 in. and deeper versions accept field installed metallic 2" threaded hubs
- Patented PVC conduit adapters, CFBHUB200PVC for 2 in. feed-thru and CFBHUB125PVC for 1¼" feed-thrucan be used on metal and PVC floorboxes
- Pre-pour and post-pour adjustment
- Patented, labor saving, easy mount device plates
- Exclusive 4-Gang PVC concrete floor boxes can be used for slab on grade and second floor and above concrete floors

Cover

- Available in round and rectangular, recessed and furniture feed styles
- Recessed covers open a full 180°
- Large hide-a-way cable egress doors
- Listed to UL 514A and UL Scrubwater compliant
- Die cast aluminum cover construction
- All covers are ADA compliant



4-Gang PVC Recessed

The exclusive 4-Gang Recessed Concrete PVC Floor Box is available with rectangular or round covers. The unique floor box design can be installed slab on-grade and second floors and above. Box includes external leveling screws. For use with PVC conduits only; with standard PVC terminal adapters or Hubbell's innovative PVC hubs up to 2" conduit.

Features and Benefits

SystemOne ETERNAL™ Recessed Floor Boxes for Concrete Floors

Featuring the unique capabilities of Hubbell's SystemOne family design. Hubbell has enhanced and expanded its floor box offering to provide industry leading installation flexibility while accommodating an extensive range of applications. Hubbell SystemOne ETERNAL™ Series products are constructed to address customers personal solutions for today's demanding, power, data and audio/video and for tomorrow's.

Hubbell SystemOne ETERNAL™ Series concrete floorboxes with box depths of 3 inches and larger can be field installed with PVC and metallic hubs for feed-thru wiring. The enhanced box design also provides expanded device capacity and improved installation efficiency. These floorboxes will prove to be as indispensable asset to the building's delivery system infrastructure.



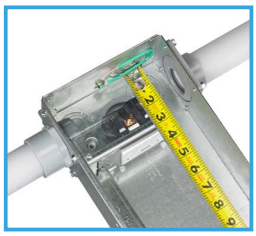
Recessed 4-Gang Floor Boxes





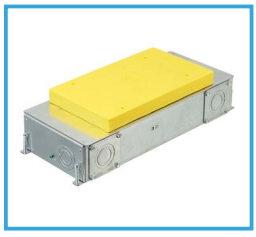
Concrete Pour Pocket Cap

- In concrete applications, all SystemOne Recessed floor boxes include (1) yellow factory installed, field-removable pour pocket cap provides a pocket in the final floor to accept the covers intended for terrazzo, tile, or finished concrete floor. The cap may not be used for carpet, wood or engineered floors



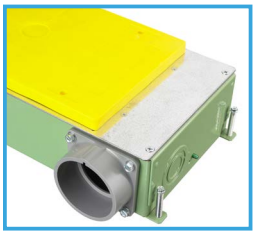
Deep Wiring Chambers

- The ETERNAL™ Series SystemOne Recessed concrete floor boxes have 3.75 inch deep wiring chambers to accommodate larger USB receptacles, AV modules and feed-thru wring



Rectangular Cover Extension Caps

- Pre-pour extension caps allows the floor box to be installed with 1 inch of concrete above the box. Maximum of two yellow caps can be installed on each box. Additional pre-pour caps purchased in packs of twos



2 Inch Conduit Ready

- To meet expanding AV and data needs, the Hubbell SystemOne Recessed Floor Box line readily accepts 2 inch conduits with the use of a 2 inch PVC or threaded conduit hub. The offset design allows for less conduit lifting while threading and the hub mounting holes are asymmetrical for installation efficiencies



Round Cover Stackable Rings

- Pre-pour round stackable rings increases box height and concrete pour depth by ¾ in. increments



CR Version

- Corrosion resistant epoxy paint intended for on-grade use, the CR version is coated with fusion-bonded epoxy paint to help prevent corrosion

Selecting a SystemOne ETERNAL™ Recessed Floor Box for Concrete Floors

To assist with the floor box selection process, please have the following information available:

Electrical requirements:	Application:	Cover style:
Power (each electrical device requires one gang) Data/AV (consult manufacturers' specification for size/volume requirements), number required. Add up total number to determine needed capacity. If necessary capacity is not shown round up to next size. Example: 9-Gang rounds up to a 10-Gang floor box	On-grade (OG) Above-grade (AG) Minimum concrete pour depth	Round Rectangular

Once this information is gathered start on the capacity column:

① Capacity: Select necessary box.

② Application: Select the concrete pour depth and on-grade or above-grade application.

③ Cover style: Select round or rectangular cover.

④ Locate interconnecting point of all three categories and move to right to select correct catalog number.

Electrical Requirements - Capacity ①	Application - Minimum Pour Depth ②												Steel	Corrosion Resistant	PVC	Cast Iron	Select Correct Catalog Number ④
	2 ½ in.		3 in.		3 ¼ in.		3 ¾ in.		5 ½ in.		6 ¼ in.						
	AG	OG	AG	OG	AG	OG	AG	OG	AG	OG	AG	OG					
2-Gang	•												•				CFB2G25E
		•												•			CFB2G25CRE
			•										•				CFB2G30E
				•										•			CFB2G30CRE
					•								•				CFB2G25RE
						•								•			CFB2G25RCRE
							•						•				CFB2G30RE
								•						•			CFB2G30RCRE
4-Gang			•	•	•	•								•	•		CFB4G30PFBE
							•	•						•	•		CFB4G30PFBRE
	•												•				CFB4G25E
		•												•			CFB4G25CRE
			•										•				CFB4G30E
				•										•			CFB4G30CRE
					•								•				CFB4G25RE
						•								•			CFB4G25RCRE
							•						•				CFB4G30RE
								•						•			CFB4G30RCRE
				•										•		•	CFB4G30CI
								•						•		•	CFB4G30RCI
4/5-Gang									•								CFB45G55E
										•				•			CFB45G55CRE
											•						CFB45G55RE
												•		•			CFB45G55RCRE
6-Gang			•										•				CFB6G30E
				•										•			CFB6G30CRE
							•						•				CFB6G30RE
								•						•			CFB6G30RCR
10-Gang									•				•				CFB10G55E
										•				•			CFB10G55CRE
											•		•				CFB10G55RE
												•		•			CFB10G55RCRE
	Rectangular		Rectangular		Round		Round		Rectangular		Round						
	Cover Style ③																

Features and Benefits

SystemOne ETERNAL™ Recessed Benefits and Enhancements

Functionality

- Cables and connections are protected by recessed functionality
- Open architecture sub-plate design
- Common door layout regardless of flange for harmonized look
- Meets UL 514A scrubwater requirements with ScrubShield® technology
- All SystemOne covers are ADA compliant
- Cables and plugs are protected by recessed connections

Value

- Easy selection with common look for all floor types
- Enhance building décor with numerous finishes
- Increase durability and longevity with cast aluminum covers

Online Resources

- BIM models, customer drawings and technical specifications are available on www.hubbell-wiring.com



Recessed 4-Gang Floor Boxes with Recessed and Furniture Feed Covers





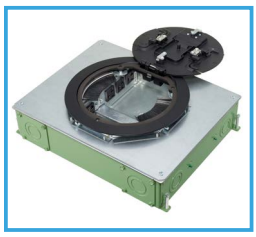
Safety

- Flush flange available for tile, finished concrete or Terrazzo
- Surface flange available for carpeted floors with 0.15 in. rise meets ADA requirements
- Hideaway egress doors fold under cover while in use



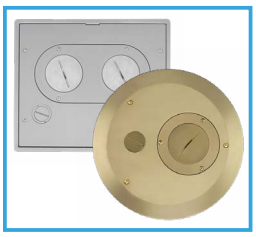
Family Look

- Hubbell SystemOne Recessed Floor Box line offers a common look regardless of capacity or installation. This simple concept ensures a consistent look throughout a building with rectangular or round covers. Round covers lend themselves to multi-story buildings also using Fire-Rated Poke-Through devices



Service Access

- All covers have 180° opening of main door
- Larger cover openings allows for easier device installation and end user access
- Larger access area makes for effortless device engagement



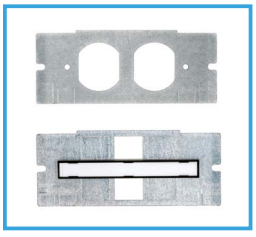
Recessed and Furniture Feed Covers

- Hubbell SystemOne 2, 4, 6 and 10-Gang Recessed Floor Box line offers dynamic installation flexibility. Each box series has rectangular and round cover options with recessed and furniture feed cover capabilities



Pre-Wired Mounting Plates

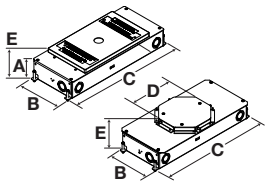
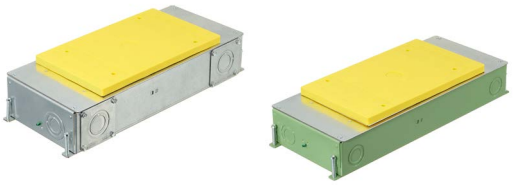
- Pre-wired duplex, StyleLine® and 3- Cube receptacles with 8 in. stranded leads are installed into plates to allow for even more labor savings
- Pre-Wired plates include Tamper Resistant, CONTROLLED and Isolated Ground



Single Screw Device Mounting Plates

- 2, 4 and 6-gang boxes offers line voltage and low voltage device plates with a patented single screw installation which maximizes installation efficiency by reducing install time

SystemOne Recessed 2-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	Rectangular Cover		Round Cover	
Box Type				
Standard Box Corrosion-Resistant (On-grade)	**CFB2G30E** **CFB2G30CRE**	**CFB2G25E** **CFB2G25CRE**	**CFB2G30RE** **CFB2G30RCRE**	**CFB2G25RE** **CFB2G25RCRE**
Recommended Pour Depth	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)
Min. Depth of Pour	3.00" (76.2)	2.50" (63.5)	3.75" (95.3)	3.25" (82.6)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm3) Capacity per Gang	56.5 cu. in. (926 cm^3)	47.5 cu. in. (778 cm^3)	56.5 cu. in. (926 cm^3)	47.5 cu. in. (778 cm^3)
Dimensions – A	3.00" (76.2)	2.50" (63.5)	–	–
Dimensions – B	6.62" (168.1)	6.62" (168.1)	7.32" (185.9)	7.32" (185.9)
Dimensions – C	16.27" (413.3)	16.27" (413.3)	16.27" (413.3)	16.27" (413.3)
Dimensions – D	–	–	6.37" (161.7) TYP.	6.37" (161.7) TYP.
Dimensions – E	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)
KO Trade Size: Ends Sides Bottom	(2) ½", ¾", 1", 1¼" (4) ¾", 1", 1¼", 2"* (4) ½", ¾", 1", 1¼"	(2) ½", ¾", 1" (4) ½", ¾", 1" (4) ½", ¾", (4) 1", 1¼"	(2) ½", ¾", 1", 1¼" (4) ¾", 1", 1¼", 2"* (4) ½", ¾", 1", 1¼"	(2) ½", ¾", 1" (4) ½", ¾", 1" (4) ½", ¾", 1", 1¼"
Cover Style	Rectangular	Rectangular	Round	Round
2 Inch Hub Compatible	Yes	No	Yes	No

Note: UL File Number E31999. Boxes include concrete covers.
**Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1¼" PVC condits.*

Rectangular Covers

- Compatible with **CFB2G25**, **CFB2G25CR**, **CFB2G30** and **CFB2G30CR** Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers ship with low voltage dividers

	Surface Cover Dimensions $11^{11}/_{16}$ in. x $7^{3}/_{16}$ in.			Flush Cover Dimensions $10^{11}/_{16}$ in. x $6^{3}/_{16}$ in.		
Finish	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)
Aluminum Powder Coat	**24GCCVRALU**	**24GCCVRALUC**	**24GCFFCVRALU**	**24GTCVRALU**	**24GTCVRALUC**	**24GTFFCVRALU**
Black Powder Coat	**24GCCVRBK**	**24GCCVRBKC**	**24GCFFCVRBK**	**24GTCVRBK**	**24GTCVRBKC**	**24GTFFCVRBK**
Brass Powder Coat	**24GCCVRBRS**	**24GCCVRBRSC**	**24GCFFCVRBRS**	**24GTCVRBRS**	**24GTCVRBRSC**	**24GTFFCVRBRS**
Bronze Powder Coat	**24GCCVRBRZ**	**24GCCVRBRZC**	**24GCFFCVRBRZ**	**24GTCVRBRZ**	**24GTCVRBRZC**	**24GTFFCVRBRZ**
Satin Nickel Powder Coat	**24GCCVRNK**	**24GCCVRNKC**	**24GCFFCVRNK**	**24GTCVRNK**	**24GTCVRNKC**	**24GTFFCVRNK**



Aluminum Powder Coat | Black Powder Coat | Brass Powder Coat | Bronze Powder Coat | Satin Nickel Powder Coat | Aluminum Powder Coat

6 Inch Round Covers

- Compatible with **CFB2G25R, CFB2G25RCR, CFB2G30R** and **CFB2G30RCR** Series Floor Boxes
- Cover flanges have a 7½ in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers ship with low voltage dividers

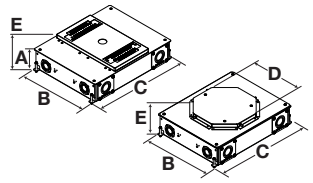
Finish	Flush Surface	Furniture Feed (¾ in. and 2 in. Plugs)
Brushed Aluminum	**CFBS1R6CVRALU**	**CFBS1R6FFCVRALU**
Black Powder Coat	**CFBS1R6CVRBLK**	**CFBS1R6FFCVRBLK**
Brass Plated	**CFBS1R6CVRBRS**	**CFBS1R6FFCVRBRS**
Bronze Plated	**CFBS1R6CVRBRZ**	**CFBS1R6FFCVRBRZ**
Gray Powder Coat	**CFBS1R6CVRGRY**	**CFBS1R6FFCVRGRY**
Satin Nickel Plated	**CFBS1R6CVRNKL**	**CFBS1R6FFCVRNKL**



*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover. See page P5 for round cover finishes.*

Dimensions in Inches (mm)

SystemOne Recessed 4-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	Rectangular Cover		Round Cover	
				
Box Type				
Standard Box Corrosion-Resistant (On-grade)	**CFB4G30E** **CFB4G30CRE**	**CFB4G25E** **CFB4G25CRE**	**CFB4G30RE** **CFB4G30RCRE**	**CFB4G25RE** **CFB4G25RCRE**
Recommended Pour Depth	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)
Min. Depth of Pour	3.00" (76.2)	2.50" (63.5)	3.75" (95.3)	3.25" (82.6)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm3) Capacity per Gang	51.0 cu. in. (835.0 cm^3)	41.5 cu. in. (680.0 cm^3)	51.0 cu. in. (835.0 cm^3)	41.5 cu. in. (680.0 cm^3)
Dimensions – A	3.00" (76.2)	2.50" (63.5)	–	–
Dimensions – B	11.33" (276.5)	11.20" (284.5)	11.20" (284.5)	11.20" (284.5)
Dimensions – C	14.57" (370.1)	14.57" (370.1)	14.57" (370.1)	14.57" (370.1)
Dimensions – D	–	–	8.37" (212.5) TYP.	8.37" (212.5) TYP.
Dimensions – E	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)
KO Trade Size: Ends Sides Bottom	(4) ½", ¾", 1", 1¼" (4) ¾", 1", 1¼", 2"* (4) ½", ¾", 1", 1¼"	(4) ½", ¾", 1" (4) ½", ¾", 1" (4) ½", ¾", (4) 1", 1¼"	(4) ½", ¾", 1", 1¼" (4) ¾", 1", 1¼", 2"* (4) ½", ¾", 1", 1¼"	(4) ½", ¾", 1" (4) ½", ¾", 1" (4) ½", ¾", (4) 1", 1¼"
Cover Style	Rectangular	Rectangular	Round	Round
2 Inch Hub Compatible	Yes	No	Yes	No

Note: UL File Number E31999. Boxes include concrete covers.
**Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1¼" PVC condits.*

Rectangular Covers

- Compatible with **CFB4G25, CFB4G25CR, CFB4G30** and **CFB4G30CR** Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers ship with low voltage dividers

	Surface Cover dimensions 11 11/16 in. x 7 3/16 in.			Flush Cover dimensions 10 11/16 in. x 6 3/16 in.		
Finish	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)
Aluminum Powder Coat	**24GCCVRALU**	**24GCCVRALUC**	**24GCFFCVRALU**	**24GTCVRALU**	**24GTCVRALUC**	**24GTFFCVRALU**
Black Powder Coat	**24GCCVRBK**	**24GCCVRBKC**	**24GCFFCVRBK**	**24GTCVRBK**	**24GTCVRBKC**	**24GTFFCVRBK**
Brass Powder Coat	**24GCCVRBRS**	**24GCCVRBRSC**	**24GCFFCVRBRS**	**24GTCVRBRS**	**24GTCVRBRSC**	**24GTFFCVRBRS**
Bronze Powder Coat	**24GCCVRBRZ**	**24GCCVRBRZC**	**24GCFFCVRBRZ**	**24GTCVRBRZ**	**24GTCVRBRZC**	**24GTFFCVRBRZ**
Satin Nickel Powder Coat	**24GCCVRNK**	**24GCCVRNKC**	**24GCFFCVRNK**	**24GTCVRNK**	**24GTCVRNKC**	**24GTFFCVRNK**


Aluminum Powder Coat


Black Powder Coat


Brass Powder Coat


Bronze Powder Coat


Satin Nickel Powder Coat


Aluminum Powder Coat

8 Inch Round Covers

- Compatible with **CFB4G25R, CFB4G25RCR, CFB4G30R,** and **CFB4G30RCR** Series Floor Boxes
- Cover flanges have a 9½ in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

Finish	Flush Surface	Furniture Feed (1 in. and 2 in. Plugs)
Brushed Aluminum	**CFBS1R8CVRALU**	**CFBS1R8FFCVRALU****
Black Powder Coat	**CFBS1R8CVRBLK**	**CFBS1R8FFCVRBLK****
Brass Plated	**CFBS1R8CVRBRS**	**CFBS1R8FFCVRBRS****
Bronze Plated	**CFBS1R8CVRBRZ**	**CFBS1R8FFCVRBRZ****
Gray Powder Coat	**CFBS1R8CVRGRY**	**CFBS1R8FFCVRGRY****
Satin Nickel Plated	**CFBS1R8CVRNKL**	**CFBS1R8FFCVRNKL****

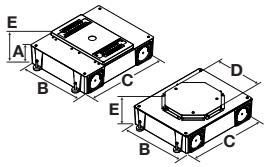




*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*
*** For 4-gang box dual service, **CFBS1R8FF4GDIVKIT** required with Furniture Feed covers. Purchased separately. See page P5 for round cover finishes.*

Dimensions in Inches (mm)

SystemOne Recessed 4-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	PVC Boxes		Cast Iron Boxes	
Box Type				
PVC Base Box (On-grade)	**CFB4G30PFBE**	**CFB4G30PFBRE**	–	–
Cast Iron Box (On-grade)	–	–	**CFB4G30CI**	**CFB4G30RCI**
Recommended Pour Depth	3.75" (95.3)	4.00 (101.6)	3.75" (95.3)	4.00" (101.6)
Min. Depth of Pour	3.25" (82.6)	4.00 (101.6)	3.25" (82.6)	4.00" (101.6)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm3) Capacity per Gang	51.0 cu. in. (835.0 cm^3)	51.0 cu. in. (835.0 cm^3)	30.0 cu. in. (491.7 cm^3)	30.0 cu. in. (491.7 cm^3)
Dimensions – A	3.25" (82.6)	–	3.25" (82.6)	–
Dimensions – B	11.20" (284.5)	11.20" (284.5)	11.44" (290.5)	11.44" (290.5)
Dimensions – C	15.70" (398.8)	15.70" (398.8)	13.19" (335.1)	13.19" (335.1)
Dimensions – D	–	8.37" (212.5) TYP.	–	8.37" (212.5) TYP.
Dimensions – E	3.75" (95.3)	4.00 (101.6)	3.75" (95.3)	4.00" (101.6)
KO Trade Size: Ends	–	–	(4) 1½" NPT Thread	(4) 1½" NPT Thread
KO Trade Size: Sides	Requires Drilling Openings. PVC Conduit Only: 1¼" Maximum Size *	Requires Drilling Openings. PVC Conduit Only: 1¼" Maximum Size *	(4) ¾" NPT Thread	(4) ¾" NPT Thread
KO Trade Size: Bottom	Requires Drilling Openings. PVC Conduit Only: 1½" Maximum Size	Requires Drilling Openings. PVC Conduit Only: 1½" Maximum Size	–	–
Cover Style	Rectangular	Round	Rectangular	Round
2 Inch Hub Compatible	Yes	Yes	No	No

Note: UL File Number E31999. Boxes include concrete covers.
**Requires PVC Hubs, CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1¼" PVC condits.*

Rectangular Covers

- Compatible with **CFB4G25, CFB4G25CR, CFB4G30** and **CFB4G30CR** Series Floor Boxes **CFB4G30PFBE**
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers ship with low voltage dividers

	Surface Cover dimensions 11 1/16 in. x 7 3/16 in.			Flush Cover dimensions 10 1/16 in. x 6 3/16 in.		
Finish	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)
Aluminum Powder Coat	**24GCCVRALU**	**24GCCVRALUC**	**24GCFFCVRALU**	**24GTCVRALU**	**24GTCVRALUC**	**24GTFFCVRALU**
Black Powder Coat	**24GCCVRBK**	**24GCCVRBKC**	**24GCFFCVRBK**	**24GTCVRBK**	**24GTCVRBKC**	**24GTFFCVRBK**
Brass Powder Coat	**24GCCVRBRS**	**24GCCVRBRSC**	**24GCFFCVRBRS**	**24GTCVRBRS**	**24GTCVRBRSC**	**24GTFFCVRBRS**
Bronze Powder Coat	**24GCCVRBRZ**	**24GCCVRBRZC**	**24GCFFCVRBRZ**	**24GTCVRBRZ**	**24GTCVRBRZC**	**24GTFFCVRBRZ**
Satin Nickel Powder Coat	**24GCCVRNK**	**24GCCVRNKC**	**24GCFFCVRNK**	**24GTCVRNK**	**24GTCVRNKC**	**24GTFFCVRNK**



Aluminum Powder Coat | Black Powder Coat | Brass Powder Coat | Bronze Powder Coat | Satin Nickel Powder Coat | Aluminum Powder Coat

8 Inch Round Covers

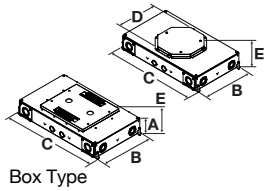
- Compatible with **CFB4G25R, CFB4G25RCR, CFB4G30R,** and **CFB4G30RCR** Series Floor Boxes **CFB4G30PFBRE**
- Cover flanges have a 9½ in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

Finish	Flush Surface	Furniture Feed (1 in. and 2 in. Plugs)
Brushed Aluminum	**CFBS1R8CVRALU**	**CFBS1R8FFCVRALU****
Black Powder Coat	**CFBS1R8CVRBLK**	**CFBS1R8FFCVRBLK****
Brass Plated	**CFBS1R8CVRBRS**	**CFBS1R8FFCVRBRS****
Bronze Plated	**CFBS1R8CVRBRZ**	**CFBS1R8FFCVRBRZ****
Gray Powder Coat	**CFBS1R8CVRGRY**	**CFBS1R8FFCVRGRY****
Satin Nickel Plated	**CFBS1R8CVRNKL**	**CFBS1R8FFCVRNKL****



*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*
*** For 4-gang box dual service, **CFBS1R8FF4GDIVKIT** required with Furniture Feed covers. Purchased separately. See page P5 for round cover finishes.*
Dimensions in Inches (mm)

SystemOne Recessed 6-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	Rectangular Cover		Round Cover	
Box Type 				
Standard Box Corrosion-Resistant Box (On-grade)	**CFB6G30E** **–**	**–** **CFB6G30CRE**	**CFB6G30RE** **–**	**–** **CFB6G30RCRE**
Recommended Pour Depth	3.50" (88.9)	3.50" (88.9)	3.75" (95.3)	3.75" (95.3)
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.75" (95.3)	3.75" (95.3)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm3) Ends- Capacity/Gang	108.5 cu. in. (1778 cm^3)	108.5 cu. in. (1778 cm^3)	108.5 cu. in. (1778 cm^3)	108.5 cu. in. (1778 cm^3)
Cubic Inch (cm3) Sides- Capacity/Gang	33.0 cu. in. (510 cm^3)	33.0 cu. in. (510 cm^3)	33.0 cu. in. (510 cm^3)	33.0 cu. in. (510 cm^3)
Dimensions – A	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Dimensions – B	19.68" (499.9)	19.68" (499.9)	19.68" (499.9)	19.68" (499.9)
Dimensions – C	11.54" (293.0)	11.54" (293.0)	11.54" (293.0)	11.54" (293.0)
Dimensions – D	–	–	8.37" (212.5) TYP.	8.37" (212.5) TYP.
Dimensions – E	3.50" (88.9)	3.50" (88.9)	3.75" (95.3)	3.75" (95.3)
KO Trade Size: Ends Sides Bottom	(4) ½", ¾", 1", 1¼" (4) ¾", 1", 1¼", 2"*, (4) ½", ¾" (4) ½", ¾", 1", 1¼", (4) ½", ¾"	(4) ½", ¾", 1", 1¼" (4) ¾", 1", 1¼", 2"*, (4) ½", ¾" (4) ½", ¾", 1", 1¼", (4) ½", ¾"	(4) ½", ¾", 1", 1¼" (4) ¾", 1", 1¼", 2"*, (4) ½", ¾" (4) ¾", 1", 1¼", 1½", (4) ½", ¾"	(4) ½", ¾", 1", 1¼" (4) ¾", 1", 1¼", 2"*, (4) ½", ¾" (4) ¾", 1", 1¼", 1½", (4) ½", ¾"
Cover Style	Rectangular	Rectangular	Round	Round
2 Inch Hub Compatible	Yes	Yes	Yes	Yes

Note: UL File Number E31999. Boxes include concrete covers.
**Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1¼" PVC condits.*

Rectangular Covers

- Compatible with **CFB6G30** and **CFB6G30CR** Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers dividers purchased separately

	Surface Cover Dimensions 11½ in. x 10 in.			Flush Cover Dimensions 10½ in. x 9 in.		
Finish	Without Insert	With Insert	Furniture Feed ((2)1 in. and (2) 2 in. Plugs)	Without Insert	With Insert	Furniture Feed ((2)1 in. and (2) 2 in. Plugs)
Aluminum Powder Coat	**610GCCVRALU**	**610GCCVRALUC**	**610GCFFCVRALU***	**610GTCVRALU**	**610GTCVRALUC**	**610GTFFCVRALU***
Black Powder Coat	**610GCCVRBK**	**610GCCVRBKC**	**610GCFFCVRBK***	**610GTCVRBK**	**610GTCVRBKC**	**610GTFFCVRBK***
Brass Powder Coat	**610GCCVRBRS**	**610GCCVRBRSC**	**610GCFFCVRBRS***	**610GTCVRBRS**	**610GTCVRBRSC**	**610GTFFCVRBRS***
Bronze Powder Coat	**610GCCVRBRZ**	**610GCCVRBRZC**	**610GCFFCVRBRZ***	**610GTCVRBRZ**	**610GTCVRBRZC**	**610GTFFCVRBRZ***
Satin Nickel Powder Coat	**610GCCVRNK**	**610GCCVRNKC**	**610GCFFCVRNK***	**610GTCVRNK**	**610GTCVRNKC**	**610GTFFCVRNK***

*Note: * For 6-gang box dual service, **CFB6FFDIVKIT** required with Furniture Feed covers. Purchased separately.*

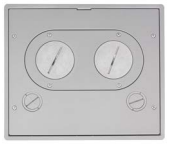

Aluminum Powder Coat


Black Powder Coat


Brass Powder Coat


Bronze Powder Coat


Satin Nickel Powder Coat


Aluminum Powder Coat

8 Inch Round Covers

- Compatible with **CFB6G30R** and **CFB6G30RCR** Series Floor Boxes
- Cover flanges have a 9½ in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

Finish	Flush Surface	Furniture Feed (1 in.and 2 in. Plugs)
Brushed Aluminum	**CFBS1R8CVRALU**	**CFBS1R8FFCVRALU****
Black Powder Coat	**CFBS1R8CVRBLK**	**CFBS1R8FFCVRBLK****
Brass Plated	**CFBS1R8CVRBRS**	**CFBS1R8FFCVRBRS****
Bronze Plated	**CFBS1R8CVRBRZ**	**CFBS1R8FFCVRBRZ****
Gray Powder Coat	**CFBS1R8CVRGRY**	**CFBS1R8FFCVRGRY****
Satin Nickel Plated	**CFBS1R8CVRNKL**	**CFBS1R8FFCVRNKL****



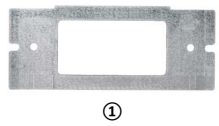

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*
*** For 6-gang box dual service, **CFBS1R8FF6GDIVKIT** required with Furniture Feed covers. Purchased separately. See page P5 for round cover finishes.*

Dimensions in Inches (mm)

Plates for Use in SystemOne 2, 4 and 6-Gang Floor Boxes

- UL 514A listed

Cat. No.	Plate Style	Cat. No.	Plate Style
FBMPREC ①	(1) Decorater Opening	**FBMPDUP** ②	(1) Duplex Opening
FBMP139	(1) Simplex Opening 1.40 in. Diameter	**FBMP156**	(1) Twist-Lock® Opening 1.60 in. Diameter
FBMP6DJ ④	(1) Hubbell Keystone Jack Openings and (4) Jack KOs with Label Field	**FBMP6KS** ⑤	(1) Opening with Hubbell 6-Port Frame for Keystone Jacks Frame for Keystone Jacks
FBMP15IM	(1) 1.5U Hubbell iStation Opening	**FBMP2IM**	(2) 1U Hubbell iStation Openings
FBMPBNK ③	1-Gang Blank Plate	**FBMPFT**	Cable Feed Though with Bushing
FBMPAAP	(2) Extron® AAP Openings	**FBMPMAAP**	(2) Extron® MAAP Openings
FBMPTRAC	(1) Opening for Tracjack® or Seies II®	**FBMPSIEMONCT**	Siemon CT Series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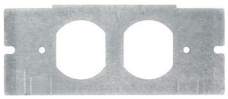
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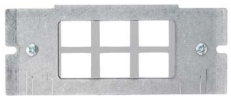
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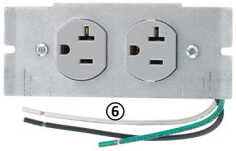
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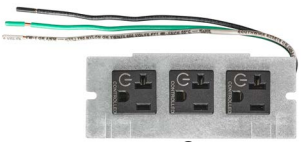
Pre-Wired Device Plates

- Reduces wiring and installation times
- 8 in. stranded leads mounted to the face plate

Description	Type	15A	20A
Duplex, Gray.	Standard Tamper-Resistant	**PWFBMPCR15GRY** **PWFBMPCR15GRYTR**	**PWFBMPCR20GRY** ⑥ **PWFBMPCR20GRYTR**
Decorator, Gray.	Standard Tamper-Resistant	**PWFBMPDR15GRY** **PWFBMPDR15GRYTR**	**PWFBMPDR20GRY** **PWFBMPDR20GRYTR**
2-Cubes,Single Circuit	Standard Marked Controlled	- -	**PWFBMP2R*** **PWFBMP2RC***
3-Cubes,Single Circuit	Standard Marked Controlled		**PWFBMP3R*** **PWFBMP3RC*** ⑦

*Note: *Includes Isolated Ground Sticker*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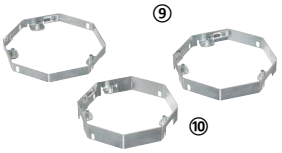
Accessories

Description			Catalog Number
(1) 2" threaded zinc hub for use with **CFB2G30**, **CFB4G30** and **CFB6G30** series floor boxes; replaces **CFBKOPLATE.**			**CFBHUB2** ⑧
(2) 1-1/4" PVC hubs with reducers for use with **CFB2G30**, **CFB4G30** and **CFB6G30** floor boxes; replaces **CFBKOPLATE**. Reducers includes: (2) 1" Reducers, (2) 3/4" Reducers, and (2) 1/2" Reducers/Plugs.			**CFBHUB125PVC**
(2) 2" PVC hubs with reducers for use with **CFB2G30**, **CFB4G30** and **CFB6G30** floor boxes; replaces **CFBKOPLATE**. Reducers includes: (2) 1-1/2" Reducers, (2) 1-1/4" Reducers, and (2) 1" Reducers/Plugs.			**CFBHUB200PVC** ⑨
Replacement knock-out plate.		Standard Epoxy Coating	**CFBKOPLATE** **CFBKOPLATECR**
ETERNAL™ Replacement Round Cover Adapter, 2-Gang Floor Box			**CFB2GS1R6ADAPTE**
ETERNAL™ Replacement Round Cover Adapter, 4-Gang Floor Box			**CFB4GS1R8ADAPTE**
ETERNAL™ Replacement Round Cover Adapter, 6-Gang Floor Box			**CFB6GS1R8ADAPTE**
CFB4G box series replacement dividers. CFB6G box series replacement dividers.			**CFB4GDIVKIT** **CFB6GEDIVKIT**
Stackable ring to increase box height and concrete pour depth by ¾ in. increments above top plane of floor box. One ring per ¾ in. depth increase. **Must be installed before concrete pour.**		2-Gang **CFB6RCVRR075**	4 and 6-Gang **CFB8RCVRR075**
Finished floor height adjustment ring - **increase post pour adjustment**; use with round cover series.	0 - ¼ in. ¼ in. - ½ in. ½ in. - ¾ in.	**CFB6RCVRR1*** **CFB6RCVRR2** ⑩ **CFB6RCVRR3**	**CFB8RCVRR1**** **CFB8RCVRR2** **CFB8RCVRR3**
		2 and 4-Gang	6-Gang
Rectangular pre-pour ½ in. extension caps (2 pack).		**24GEXTENDCAP2PK** ⑪	**610GEXTENDCAP2PK**
Replacement temporary rectangular steel and yellow concrete pre-pour covers		**24GTEMPCVR**	**610GTEMPCVR**

⑧


⑨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*Note: *Included with standard **CFB2G30R** and **CFB2G25R** series floor boxes.*
***Included with standard **CFB4G30R, CFB4G25R and CFB6G30R** series floor boxes.*

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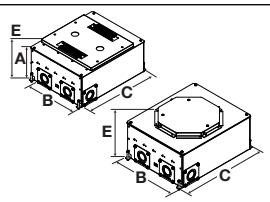
Dimensions in Inches (mm)

SystemOne Recessed 4/5-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	Rectangular Cover		Round Cover	
				
Box Type				
Standard Box Corrosion-Resistant Box (On-grade)	**CFB45G55E** **–**	**–** **CFB45G55CRE**	**CFB45G55RE** **–**	**–** **CFB45G55RCRE**
Recommended Pour Depth	6.00" (152.4)	6.00" (152.4)	6.25" (158.8)	6.25" (158.8)
Min. Depth of Pour	5.50" (139.7)	5.50" (139.7)	6.25" (158.8)	6.25" (158.8)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm3) Capacity per Gang	99/105 cu. in.	99/105 cu. in.	99/105 cu. in.	99/105 cu. in.
	(1621/1721 cm^3)	(1621/1721 cm^3)	(1621/1721 cm^3)	(1621/1721 cm^3)
Dimensions – A	5.59" (142.0)	5.59" (142.0)	–	–
Dimensions – B	11.09" (281.6)	11.09" (281.6)	11.09" (281.6)	11.09" (281.6)
Dimensions – C	14.14" (359.2)	14.14" (359.2)	14.14" (359.2)	14.14" (359.2)
Dimensions – D	–	–	8.37" (212.5) TYP.	8.37" (212.5) TYP.
Dimensions – E	5.50" (139.7)	5.50" (139.7)	6.25" (158.8)	6.25" (158.8)
KO Trade Size: Ends Sides Bottom	(2) ¾", 1", 1¼", 2"* (2) ¾", 1", 1¼", 2"* (2) ½", ¾", 1", 1¼"	(2) ¾", 1", 1¼", 2"* (2) ¾", 1", 1¼", 2"* (2) ½", ¾", 1", 1¼"	(2) ¾", 1", 1¼", 2"* (2) ¾", 1", 1¼", 2"* (2) ½", ¾", 1", 1¼"	(2) ¾", 1", 1¼", 2"* (2) ¾", 1", 1¼", 2"* (2) ½", ¾", 1", 1¼"
Cover Style	Rectangular	Rectangular	Round	Round
2 Inch Hub Compatible	Yes	Yes	Yes	Yes

Note: UL File Number E31999. Boxes include concrete covers.
**Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1¼" PVC condits.*

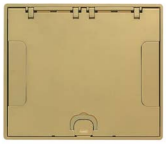
Rectangular Covers

- Compatible with **CFB45G55E** and **CFB45G55CRE**
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors

	Cover Dimensions 11½ in. x 10 in.		Cover Dimensions 10½ in. x 9 in.	
Finish	Surface	Surface with Insert	Flush	Flush with Insert
Aluminum Powder Coat	**610GCCVRALU**	**610GCCVRALUC**	**610GTCVRALU**	**610GTCVRALUC**
Black Powder Coat	**610GCCVRBK**	**610GCCVRBKC**	**610GTCVRBK**	**610GTCVRBKC**
Brass Powder Coat	**610GCCVRBRS**	**610GCCVRBRSC**	**610GTCVRBRS**	**610GTCVRBRSC**
Bronze Powder Coat	**610GCCVRBRZ**	**610GCCVRBRZC**	**610GTCVRBRZ**	**610GTCVRBRZC**
Satin Nickel Powder Coat	**610GCCVRNK**	**610GCCVRNKC**	**610GTCVRNK**	**610GTCVRNKC**


Aluminum Powder Coat


Black Powder Coat


Brass Powder Coat


Bronze Powder Coat


Satin Nickel Powder Coat

8 Inch Round Covers

- Compatible with **CFB45G55R** and **CFB45G55RCR**
- Cover flanges have a 9½ in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors

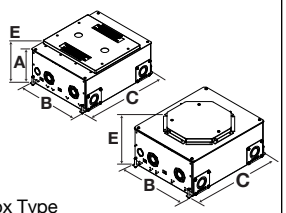
Finish	Surface
Brushed Aluminum	**CFBS1R8CVRALU**
Black Powder Coat	**CFBS1R8CVRBLK**
Brass Plated	**CFBS1R8CVRBRS**
Bronze Plated	**CFBS1R8CVRBRZ**
Gray Powder Coat	**CFBS1R8CVRGRY**
Satin Nickel Plated	**CFBS1R8CVRNKL**



*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover. See page Q5 for round cover finishes.*

Dimensions in Inches (mm)

SystemOne Recessed 8†/10-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	Rectangular Cover		Round Cover	
Box Type				
Standard Box Corrosion-Resistant Box (On-grade)	**CFB10G55E** **–**	**–** **CFB10G55CRE**	**CFB10G55RE** **–**	**–** **CFB10G55RCRE**
Recommended Pour Depth	6.00" (152.4)	6.00" (152.4)	6.25" (158.8)	6.25" (158.8)
Min. Depth of Pour	5.50" (139.7)	5.50" (139.7)	6.25" (158.8)	6.25" (158.8)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm3) Capacity per Gang	35.0/69.5/99.0 cu. in.	35.0/69.5/99.0 cu. in.	35.0/69.5/99.0 cu. in.	35.0/69.5/99.0 cu. in.
	(574/1139/1622 cm^3)	(574/1139/1622 cm^3)	(574/1139/1622 cm^3)	(574/1139/1622 cm^3)
Dimensions – A	5.59" (142.0)	5.59" (142.0)	–	–
Dimensions – B	11.09" (281.6)	11.09" (281.6)	11.09" (281.6)	11.09" (281.6)
Dimensions – C	14.14" (359.2)	14.14" (359.2)	14.14" (359.2)	14.14" (359.2)
Dimensions – D	–	–	8.37" (212.5) TYP.	8.37" (212.5) TYP.
Dimensions – E	5.50" (139.7)	5.50" (139.7)	6.25" (158.8)	6.25" (158.8)
KO Trade Size: Ends Sides Bottom	(2) ½", ¾", (4) ½", ¾", 1", 1¼", 1½" (2) ¾", 1", 1¼", 2"** (2) ½", ¾", (4) ½", ¾", 1", 1¼"	(2) ½", ¾", (4) ½", ¾", 1", 1¼", 1½" (2) ¾", 1", 1¼", 2"** (2) ½", ¾", (4) ½", ¾", 1", 1¼"	(2) ½", ¾", (4) ½", ¾", 1", 1¼", 1½" (2) ¾", 1", 1¼", 2"** (2) ½", ¾", (4) ½", ¾", 1", 1¼"	(2) ½", ¾", (4) ½", ¾", 1", 1¼", 1½" (2) ¾", 1", 1¼", 2"** (2) ½", ¾", (4) ½", ¾", 1", 1¼"
Cover Style	Rectangular	Rectangular	Round	Round
2 Inch Hub Compatible	Yes	Yes	Yes	Yes

*Note: **Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1¼" PVC condits.*

Rectangular Covers

- Compatible with **CFB10G55** and **CFB10G55CR** Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers dividers purchased separately

	Surface Cover Dimensions 11½ in. x 10 in.			Flush Cover Dimensions 10½ in. x 9 in.		
Finish	Without Insert	With Insert	Furniture Feed ((2)1 in. and (2) 2 in. Plugs)	Without Insert	With Insert	Furniture Feed ((2)1 in. and (2) 2 in. Plugs)
Aluminum Powder Coat	**610GCCVRALU**	**610GCCVRALUC**	**610GCFFCVRALU***	**610GTCVRALU**	**610GTCVRALUC**	**610GTFFCVRALU***
Black Powder Coat	**610GCCVRBK**	**610GCCVRBKC**	**610GCFFCVRBK***	**610GTCVRBK**	**610GTCVRBKC**	**610GTFFCVRBK***
Brass Powder Coat	**610GCCVRBRS**	**610GCCVRBRSC**	**610GCFFCVRBRS***	**610GTCVRBRS**	**610GTCVRBRSC**	**610GTFFCVRBRS***
Bronze Powder Coat	**610GCCVRBRZ**	**610GCCVRBRZC**	**610GCFFCVRBRZ***	**610GTCVRBRZ**	**610GTCVRBRZC**	**610GTFFCVRBRZ***
Satin Nickel Powder Coat	**610GCCVRNK**	**610GCCVRNKC**	**610GCFFCVRNK***	**610GTCVRNK**	**610GTCVRNKC**	**610GTFFCVRNK***

*Note: * For 10-gang box dual service,* ***CFB10FFDIVKIT*** *required with Furniture Feed covers. Purchased separately.*

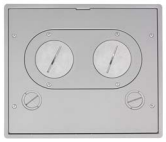

Aluminum Powder Coat


Black Powder Coat


Brass Powder Coat


Bronze Powder Coat


Satin Nickel Powder Coat


Aluminum Powder Coat

8 Inch Round Covers

- Compatible with **CFB10G55R** and **CFB10G55RCR**
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

Finish	Flush Surface	Furniture Feed (1 in.and 2 in. Plugs)
Brushed Aluminum	**CFBS1R8CVRALU**	**CFBS1R8FFCVRALU#**
Black Powder Coat	**CFBS1R8CVRBLK**	**CFBS1R8FFCVRBLK#**
Brass Plated	**CFBS1R8CVRBRS**	**CFBS1R8FFCVRBRS#**
Bronze Plated	**CFBS1R8CVRBRZ**	**CFBS1R8FFCVRBRZ#**
Gray Powder Coat	**CFBS1R8CVRGRY**	**CFBS1R8FFCVRGRY#**
Satin Nickel Plated	**CFBS1R8CVRNKL**	**CFBS1R8FFCVRNKL#**





*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*
#For 10-gang box dual service, ***CFBS1R8FF10GDIVKIT*** *required with Furniture Feed covers. Purchased separately. See page P5 for round cover finishes*
† UL File Number E31999. Boxes include concrete covers. FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.

Dimensions in Inches (mm)

Plates for Use in SystemOne 4/5 & 8*/10-Gang Floor Boxes

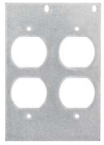
- UL 514A listed

Cat. No.	Plate Style	Cat. No.	Plate Style
FB10MPREC ①	(1) Decorater Opening	**FB10MPDUP** ②	(1) Duplex Opening
FB10MPBNK	1-Gang Blank Plate	**FB10MPKEY**	(1) Opening with Hubbell 6-Port Frame for Keystone Jacks Frame for Keystone Jacks
FB10MPTRAC	(2) Openings for (6) Ortronics TracJack®	**FB10MPFT**	Cable Feed Through with Bushing
Cat. No	Two Gang Plate Style	**Cat. No**	Two Gang Plate Style
FB10MP2A ③	Decorator Openings	**FB10MP2E** ④	Duplex Openings
FB10TLX	(1) Simplex Opening 1.40 in. Diameter	**FB10TLA**	(1) Twist-Lock® Opening 1.60 in. Diameter
FB10MP2B	(6) 1U Hubbell iStation Modules	**FB10MPMAAP**	Siemon CT Series
FB10MPAAP	(4) Extron® AAP Openings		
Cat. No	Three Gang Plate Style	**Cat. No**	Three Gang Plate Style
FB10TLY	(2) Simplex Opening 1.40 in. Diameter	**FB10TLB**	(3) Twist-Lock® Opening 1.60 in. Diameter
FB10MP3GAPP ⑤	(1) Opening for Applicance Receptacle, requries 2-Gang industry plate for trim out		
Cat. No	Five Gang Plate Style	**Cat. No**	Five Gang Plate Style
FB10TLC	(3) Simplex Opening 1.40 in. Diameter	**FB10TLZ**	Twist-Lock® Opening 1.60 in. Diameter
FB10MPNEMA2XG ⑥	(2) 2-Gang. Meets NEMA Spacing. Ideal for Crestron® DM —TX Product and Power. Ships with Low Voltage Divider.	**FB10MPNEMA4G** ⑦	(4) Single Service Openings Utilizing NEMA Wallplate. (No Low Voltage Divider Option)

*Note: *Use with FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.*


①


③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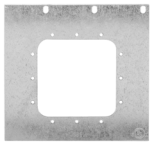
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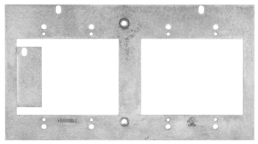
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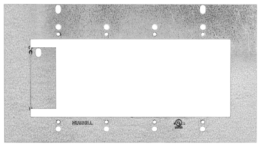
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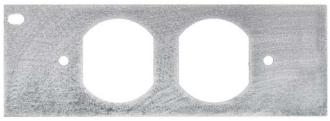
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Pre-Wired Device Plates

- Reduces wiring and installation times
- 8 inch stranded leads mounted to the face plate

Description	Type	15A	20A
Duplex, Gray.	Standard Tamper-Resistant	**PWFB10MPCR15GRY** **PWFB10MPCR15GRYTR**	**PWFB10MPCR20GRY** ⑨ **PWFB10MPCR20GRYTR**
Decorator, Gray.	Standard Tamper-Resistant	**PWFB10MPDR15GRY** **PWFB10MPDR15GRYTR**	**PWFB10MPDR20GRY** ⑧ **PWFB10MPDR20GRYTR**


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Accessories

Description		Catalog Number
(1) 2" threaded zinc hub for use with **CFB45G55** and **CFB10G55** series floor boxes; replaces **CFBKOPLATE**.		**CFBHUB2**
(2) 1-1/4" PVC hubs with reducers for use with **CFB45G55** and **CFB10G55** series floor boxes; replaces **CFBKOPLATE**. Reducers include: (2) 1" reducer, (2) 3/4" reducers, and (2) 1/2" Reducer/Plugs.		**CFBHUB125PVC**
(2) 2" PVC hubs with reducers for use with **CFB45G55 and CFB10G55** series floor boxes; replaces **CFBKOPLATE**. Reducers include: (2) 1-1/2" reducers, (2) 1-1/4" reducers, and (2) 1" Reducer/Plugs.		**CFBHU200PVC** ⑩
Replacement knock-out plates.	Standard Expoxy Coating	**CFBKOLATE** **CFBKOPLATECR**
ETERNAL™ Replacement Round Cover Adapter, 10-gang Floor Box		**CFB4510GS1R8ADAPTE**
Stackable ring to increase box height and concrete pour depth by ¾ in. increments above top plane of floor box. One ring per ¾ in. depth increase. **Must be installed before concrete pour.**		**CFB8RCVRR075**
Finished floor height adjustment ring - **increase post pour adjustment**; use with round cover series.	0 - ¼ in. ¼ in. - ½ in. ½ in. - ¾ in.	**CFB8RCVRR1*** **CFB8RCVRR2** ⑪ **CFB8RCVRR3**
Rectangular pre-pour ½ in. extension caps (2 pack).		**610GEXTENDCAP2PK** ⑫
Replacement temporary rectangular steel and yellow concrete pre-pour covers		**610GTEMPCVR**
Replacement spacer around wire-way.		**FB10MPX**
Replacement divider.		**FB4510GDIV**

*Note: *Included with standard **CFB45G55R** and **CFB10G55R** series floor boxes.*


⑩


⑪


⑫

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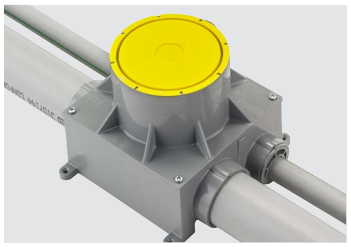
Dimensions in Inches (mm)

The Next Big Step In Innovation



Locate installation area and connect conduits



Pour concrete



Cut box top level with concrete



Install flooring



Install Adjustable Mounting Cup and level with finished flooring **CFBS1R4CUP**



Wire devices into box



Finish with cover **CFBS1R4CVR**

Installing the Fully Adjustable Mounting Cup and Level with Finished Flooring

During a concrete pour installation a floor box can become buried, other times the thickness of the floor covering can change. We have solved these issues with the integral, patented, adjustable mounting cup which adjusts the device mounting depth to 3 inches to accommodate any plug, no matter the floor thickness. Additionally, this is helpful for engineered flooring on the concrete; the adjustable mounting cup allows for post pour upwards adjustment of up to 1½ inches.

Recessed and Furniture Feed Activation is available with all 4 Inch Recessed Floorboxes by selecting the correct adjustable mounting cup for the application.



Recessed Activation



Non-Metallic Adjustable 4 inch Floor Box



Finish with cover **S1R4FFCVR**



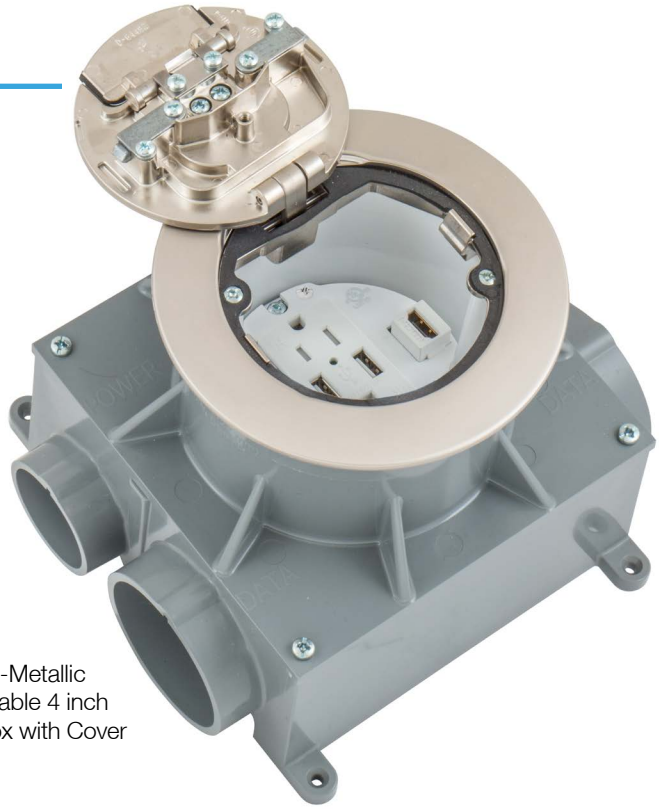
Furniture Feed Activation

Features and Benefits

SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

The Hubbell SystemOne Fully Adjustable Recessed floor box is the next step in a long line of quality products delivering power, data and AV for any application. The challenge of a recessed adjustable floor box is the device depth would vary for different floor thicknesses, other times the floor box can become buried in the concrete pour. We have solved these issues with the integral, patented, mounting cup which adjusts the device mounting depth to 3 inches to accommodate any plug, no matter the floor thickness. Additionally, this is helpful for engineered flooring on the concrete; the adjustable mounting cup allows for post pour upwards adjustment of up to 1½ inches. This feature is particularly accommodating when the final flooring is unknown at the time concrete is being poured.

Utilizing the same cover design as our 4 Inch Recessed Fire-Rated Poke-Throughs, a common look is now possible anywhere in a building, on grade or above grade.



Non-Metallic
Adjustable 4 inch
Floor Box with Cover



Box Design

- Up to 2 inch conduit ready (Cast iron maximum conduit - 1½ inches)
- Available in PVC, stamped steel, epoxy coated stamped steel or cast iron construction available
- cULus Listed - Scrubwater compliant



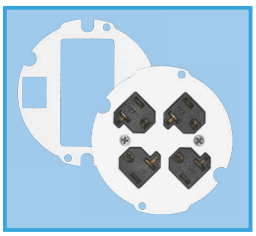
Covers

- Durable die-cast aluminum
- 1,000 lbs, static load rated cover
- Available in six architectural finishes
- Low profile flange, 0.15 inch exceeds ADA requirements
- 5.50" diameter flange



Adjustable Mounting Cups

- 3 inch deep access chamber
- Patented post pour adjustable mounting cup with teeth spaced in 5⁄32 inch increments allows for up to 1½ inches of upward adjustability from the lowest position, ideal for engineered flooring
- High visibility white cup for making easy connections



Easy Mount Device Plates

- Recessed connections
- Single service or dual service
- Multiple, open architecture mounting plates for power, data and AV



2 Inch Conduit Ready

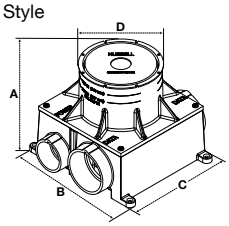
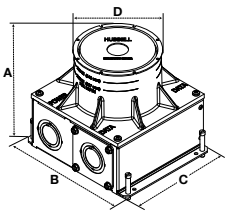
- To meet expanding AV and data needs, the Hubbell SystemOne Recessed Floor Box line readily accepts 2 inch conduits with the use of a 2 inch threaded conduit hub - CFBHUB2 Sold Separately



Furniture Feed Cover Design

- Compatible with recessed covers
- Seamless one piece cast aluminum design
- (1) ¾ inch threaded hub for power
- (1) 1½ inch threaded hub for low voltage
- 0.15" flange height, 5.50" diameter flange

SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

Style		Cast Iron	Corrosion-Resistant	Stamped Steel	Non-Metallic
					
Cast Iron / Non-Metallic	Stamped Steel	**CFBS1R4CFB**	**CFBS1R4SFBCR**	**CFBS1R4SFB**	**CFBS1R4PFB**
Min. Depth of Pour		5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)
Max. Pour Depth		6.00" (152.4)	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Cubic Inch (cm^3) Capacity		72.0 cu. in. (1180 cm^3)	80.0 cu. in. (1311 cm^3)	80.0 cu. in. (1311 cm^3)	67.0 cu. in. (1098 cm^3)
Dimensions – A		6.00" (152.4)	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B		7.60" (193.0)	7.40" (188.0)	7.40" (188.0)	7.85" (199.4)
Dimensions – C		6.58" (167.1)	6.32" (160.6)	6.32" (160.6)	6.45" (163.8)
Dimensions – D		4.60" (116.8)	4.60" (116.8)	4.60" (116.8)	4.60" (116.8)
Power Entries		(2) 1" NPT Thread	(2) ¾", 1", 1¼"	(2) ¾", 1", 1¼"	(2) ½", ¾", 1", 1¼"
Data Entries		(2) 1½" NPT Thread	(2) ¾", 1", 1¼", 2"*	(2) ¾", 1", 1¼", 2"*	(2) 1", 1¼", 1½", 2"
Concrete Cover Included		✓	✓	✓	✓
Closure Plugs Included		✓	–	–	✓
Reducers		–	–	–	✓
CFBS1R4xx Cover Family		✓	✓	✓	✓
Compatible with CFBHUB2 - 2" Conduit Fitting		–	✓	✓	–

Note: UL File Number E92074.
CSA File Number LR18416.
**Requires CFBHUB2 for 2" conduits.*

Adjustable Mounting Cup - Required, Purchased Separately

The Adjustable Mounting Cup (AMC) is the heart of the **CFBS1R4** Floor Box product line, and must be ***purchased separately*** from the floor boxes. With teeth spaced in 5/32 inch increments, the adjustable cup allows for installation ease and flexibility. The AMC is dropped into the floor box collar then rotated clockwise to set the height and is adjustable until the ground plate is installed. Once the ground plate is installed, the cup is locked into place preventing unwanted adjustment of height. Lastly, the device mounting plate and electrical devices are installed.






Description	Recessed Activation Catalog Number	Furniture Feed Activation Catalog Number
Adjustable Mounting Cup Includes white mounting cup, low voltage dividers and ground plate.	**CFBS1R4CUP** Floor boxes purchased independently from cup	**CFBS1R4FFCUP** Floor boxes purchased independently from cup




Dimensions in Inches (mm)

SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

Floor Box Covers

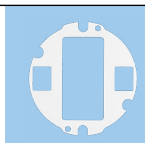
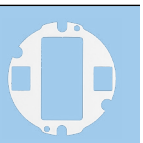
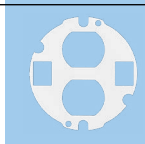
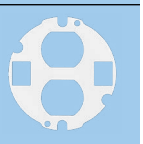
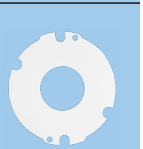


The 4 inch recessed cover is available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.15 inch is ADA compliant and suitable for use on any floor finish. All covers are UL 514A listed and meet UL Scrubwater requirements.

Features

- Flange diameter is 5.5 inches
- Flange thickness is 0.15 inches thick and complies with ADA requirements
- Cover load rating is 1,000 lbs. with 2x safety factor* for a static load applied through a 3 inch mandrel
- Available in six finishes
  - Satin nickel, antique bronze and brushed brass are plated finishes
  - Brushed aluminum is the base material brushed and lacquered
  - Black and gray finishes are powder coat

Device Mounting Plates

Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate
2X2 Sub-plate with (1) decorator device opening and (2) keystone jack openings **S1R4SP2X2STYLE**		(1) Style Line® decorator device opening for power or datacom applications **S1R4SPSTYLE**		2X2 Sub-plate with (1) decorator device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2STYLETJ**	
2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings **S1R4SP2X2DUPLEX**		(1) Duplex device opening for power or datacom applications **S1R4SPDUPLEX**		2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2DUPLEXTJ**	
(4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12 inch wire leads Includes ⏻ stickers. **S1R4SPQUAD**		(1) 1.60 inch opening for 20 or 30A Twist-Lock® receptacle **S1R4SPTWIST**		(1) 1.40 inch opening for simplex receptacle **S1R4SPSIMPLEX**	

Architectural Cover Finishes

Finish	Recessed Activation	Furniture Feed Activation
Brushed Aluminum	**CFBS1R4CVRALU**	**S1R4FFCVRALU**
Black Powder Coat	**CFBS1R4CVRBLK**	**S1R4FFCVRBLK**
Plated Brushed Brass	**CFBS1R4CVRBRS**	**S1R4FFCVRBRS**
Plated Antique Bronze	**CFBS1R4CVRBRZ**	**S1R4FFCVRBRZ**
Gray Powder Coat Plated	**CFBS1R4CVRGRY**	**S1R4FFCVRGRY**
Plated Satin Nickel	**CFBS1R4CVRNKL**	**S1R4FFCVRNKL**

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*



Accessories and Replacement Parts

Description	Catalog Number
Allows the conduit connections for the low voltage portion of the **CFBS1R4SFB** and **CFBS1R4SFBCR** to be increased to 2 inch capacity. The offset design helps to minimize conduit float during the concrete pour.	**CFBHUB2**
Set of conduit reducing adapters for use with the **CFBS1R4PFB**. Includes two each of the following adapters to reducing to the corresponding conduit diameter. 1, ¾ and ½ inch 1½, 1¼ and 1 inch	**CFBADAPT125** **CFBADAPT200**
Replacement low voltage partition for use in all four **CFBS1R4** series floor boxes.	**CFBS1R4DIV**
Replacement ground bracket for use in all four **CFBS1R4** series floor boxes.	**CFBS1R4GND**
Replacement pre-pour concrete yellow cover for use with all four of the **CFBS1R4** series floor boxes.	**CFBS1R4COVER**
Abandonment plate, black finish, for all **CFBS1R4** series floor boxes.	**S1R4CFBADMTBK**
Pre-pour PVC stand increases **CFBS1R4PFB** box height 2.5 in. to 4.0 in. within the concrete pour.	**PFBSTAND**



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Products at a Glance

Flush Floor Box Applications feature unique capabilities of Hubbell's SystemOne universal cover and sub-plate design, Hubbell has expanded its floor box offering to provide industry leading flexibility while accommodating an extensive range of applications. Hubbell SystemOne is constructed to give customers the ability to create personal solutions for their most demanding, power, data and audio/video requirements.

SystemOne Flush Floor Box Applications…



Multi-Service Applications

This Hubbell SystemOne sub-plate incorporates a standard Style Line® decorator opening, which can be used for an active multimedia device. In addition, a 20A outlet is supplied for power and two keystone openings for voice/data services.



Multimedia Applications

Other Hubbell SystemOne sub-plates are designed to meet the growing needs of the audio/video market. Some sub-plates provide power outlets with Hubbell's AV products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, HDMI and XLR microphone jacks. Other sub-plates can accommodate Extron® Electronics MAAP and AAP series AV modules, as well as FSR IPS plates.



4X4 Applications

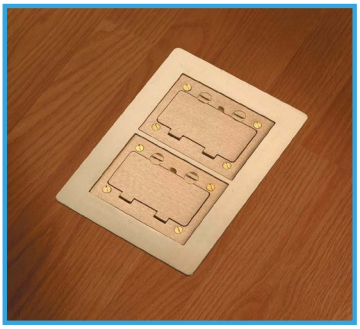
Provides maximum power capacity for flush, multi-service applications. This sub-plate features a pre-wired four outlet 20A, 125V receptacle and four openings for flush mount Hubbell modular jacks and audio/video Snap Fit connectors. Receptacle wiring permits dual- circuit, as well as isolated ground applications.

Traditional Floor Boxes…



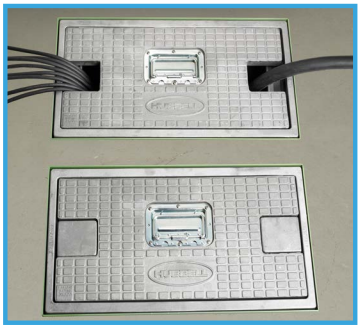
Flush Applications

Hubbell offers a wide variety of traditional solutions including single and multi-gang cast iron, stamped steel and non-metallic floor boxes in both round and rectangular designs. These boxes can be finished with either brass or aluminum covers and flanges to match any office décor. All Hubbell floor box assemblies exceed UL scrubwater exclusion requirements.



Wooden Floor Applications

Hubbell offers round, single service and rectangular, multi-service floor boxes for wooden floor applications. The rectangular boxes are available in one, two and three-gang options and feature removable barriers for maximum capacity while maintaining separation of power and low voltage. A variety of covers and flanges are available in brushed aluminum or brass to meet aesthetic requirements.



Heavy Load Rating

For environments where floor boxes will be subjected to extreme loads, Hubbell offers two different solutions. The Ballroom Box series has a static cover load rating of 20,000 lbs. and can accommodate up to 8 devices. The Convention Center family offers a static cover load rating of 32,000 lbs. and can accommodate up to 100A Pin and Sleeve devices.

Extron® is a registered trademark of Extron Electronics.

ScrubShield®
Complies with UL514A

SystemOne Flush Floor Box Family

Cast Iron



- Corrosion resistant for on-grade applications
- Oversized 1½" NPT threaded conduit access holes for low voltage
- 1" NPT threaded conduit access holes for power

Steel





- Stamped steel construction
- Economical and light weight for above-grade applications
- Concentric knockouts permit various conduit sizes for both power and data services

Steel AV





- Accommodates high-capacity multimedia applications in a 3½" minimum depth of pour
- Oversized 1½" NPT threaded data hub
- ¾", 1" concentric knockouts for power services

Features

- Easily installed, aesthetic and configurable floor box solution, for open floor plans that require both power and data services
- The Hubbell SystemOne Universal Cover mounts directly to the floor box riser, eliminating the need for an additional adapter collar
- The Hubbell SystemOne Universal Cover features ScrubShield® technology that exceeds UL514 scrubwater exclusion requirements
- Convenient cubic inch capacity (cm3) markings on interior of box
- Leveling feet provide before pour adjustability
- Non-metallic riser allows a simple saw cut for adjustment after pour
- Supplied with concrete cover and closure plugs (where applicable)
- Designed to accommodate multi-service applications with the wide offering of Hubbell SystemOne sub-plates
- Hubbell SystemOne Metal Floor Boxes are approved for use in the City of Chicago
- CR versions incorporate fusion bonded epoxy paint for on grade use

Non-Metallic



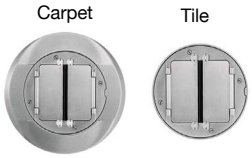
- Non-corrosive plastic construction
- Oversized 1½" data conduit hub for increased cable capacity and bend radius
- Parallel conduit hubs reduce labor and material cost, facilitating easier wire pull

Features

- Economical, easy to install, in-floor delivery system for open plan spaces
- The Hubbell SystemOne Universal Cover mounts directly to the floor box riser, eliminating the need for an additional adapter collar
- Concrete cover, conduit reducers and conduit hub plugs included

SystemOne Flush Covers

Universal Flange and Cover Assembly



- Hinged doors open 180° flush to the carpet flange or tile
- Locking studs allow each door to be secured independently
- The universal carpet or tile flange can be used for Hubbell SystemOne Floor Boxes and Fire-Rated Poke-Throughs
- Finishes and colors available:

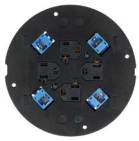


Features

- Durable cast aluminum construction available in black, gray, brass, aluminum and ivory powder coat finishes
- Features ScrubShield® technology that exceeds UL514 scrubwater exclusion requirements
- Provides consistent look and maximum functionality throughout the installed life
- Meets ADA standards for accessible design

SystemOne Flush Sub-Plates

Hubbell's modular sub-plate design allows users to economically upgrade Hubbell SystemOne FRPT and Floor Boxes to accommodate future moves, adds and changes.
See page O-20 for additional Information.


4x4 Sub-Plate


Datacom and Power Sub-Plate


Extron® AAP/MAAP and Power Sub-Plate


Dual Style Line® Decorator Sub-Plate


Twist-Lock® Sub-Plate


Furniture Feed Cover, Carpet

Features

- Durable cast aluminum construction, powder coat finish
- Hubbell 4X4: four 20A, 125V receptacles, four keystone openings for voice/data jacks and flush multimedia connectors
- Hubbell X-END and Hubbell iSTATION modular connectivity
- Accommodates Extron® Electronics Architectural Series audio/video system integration products
- Accommodates GFCI, USB, surge and standard Style Line® Decorator receptacles
- Twist-Lock® receptacle with two flush keystone openings
- Large capacity and multi-service furniture feed applications
- Open system sub-plates permit maximum data flexibility

Power Devices and Connectivity


Hubbell-PRO Receptacles


20A USB Receptacles

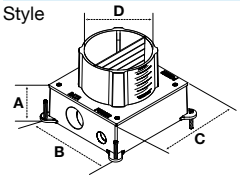
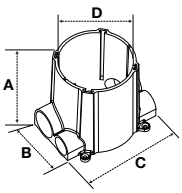

Hubbell iSTATION

Features

- Choose from Hubbell's industry leading selection of wiring devices for power services
- Hubbell iSTATION connectivity modules integrate with SystemOne to provide comprehensive multi-media solutions

Extron® is a registered trademark of Extron Electronics.

SystemOne Flush Metal and Non-Metallic Floor Boxes, for Use In Concrete Floors

Style	Cast Iron	Steel	Steel AV	Non-Metallic
 Metal  Non-Metallic				
Standard Corrosion-Resistant (On-grade)	– **S1CFB***	**S1SFB*** **S1SFBCR**	**S1SFBAV*** **S1SFBAVCR**	**S1PFB** –
Min. Depth of Pour	3.50" (88.9)	3.50" (88.9)	3.50" (88.9)	3.00" (76.2)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm^3) Capacity	156.0 cu. in. ($2556\ cm^3$)	175.7 cu. in. ($2879\ cm^3$)	177.5 cu. in. ($2909\ cm^3$)	100 cu. in. ($1638\ cm^3$)
Dimensions – A	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)	6.00" (152.4)
Dimensions – B	7.00" (177.8)	6.75" (171.4)	6.75" (171.4)	5.58" (141.7)
Dimensions – C	7.38" (187.3)	7.38" (187.3)	7.38" (187.3)	7.08" (179.8)
Dimensions – D (Inside Diameter)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)
Power Entries	(2) 1" NPT Thread	(2) ¾", 1"	(2) ¾", 1"	(2) ¾", 1"
Data Entries	(2) 1½" NPT Thread	(2) ¾", 1", 1¼"	(2) 1½" NPT Thread	(2) ¾", 1", 1¼", 1½"
Concrete Cover Included	✓	✓	✓	✓
Closure Plugs Included	✓	–	✓	✓
Accepts Hubbell SystemOne Universal Cover	✓	✓	✓	✓
Cover Mounting Clips Included	✓	✓	✓	✓
Non-Metallic Low Voltage Divider Included (S1DIV1)	✓	✓	✓	✓

Note: UL File Number E92074.
**S1CFB, S1SFB, S1SFBAV are approved for use in the City of Chicago.*

SystemOne Universal Covers

- Cast aluminum construction
- Durable powder coat finish




Color	Carpet	Tile
Aluminum Finish	**S1CFCAL**	**S1TFCAL**
Brass Finish	**S1CFCBRS**	**S1TFCBRS**
Black	**S1CFCBL**	**S1TFCBL**
Gray	**S1CFCGY**	**S1TFCGY**
Ivory	**S1CFCI**	**S1TFCI**


Aluminum Finish


Brass Finish


Black


Gray


Ivory

Floor Box Accessories

Description	Color		Catalog Number
Abandonment Plates Used to cover abandoned SystemOne Fire-Rated Poke-Throughs or Floor Boxes.	Black Gray		**S1AP4BL** **S1AP4GY**
Replacement Side by Side Divider Used to isolate compartments in **S1SP, S1SPFFx, S1SPFFTx, S1SPDU, S1SPDUSL, S1SPDU2IM** and **S1SPSL2IM** sub-plates. Included with all SystemOne Floor Boxes.			**S1DIV1**
1½" Threaded Hub For use with **S1SFBAV** ONLY. Permits feed-through applications. **S1SFBAV** floor box includes one (1) threaded hub.			**S1AVHUB15**
Replacement Universal Cover Mounting Clips Used to mount SystemOne Universal Cover to SystemOne metal and non-metallic floor boxes (**S1CFB, S1SFB, S1SFBAV, S1PFB**).			**S1FBCLIP5PK**
Pre-pour PVC stand increases **S1PFB** box height 2.5 in. to 4.0 in. within the concrete pour.			**PFBSTAND**

Dimensions in Inches (mm)

SystemOne Flush Sub-Plates

Description	Catalog Number
Style Line® Decorator/GFCI (2) Style Line® decorator openings for power and/or datacom applications. (3) Non-Metallic (3.5) Metal	**S1SP**
Hubbell 4 X 4 (4) 20A, 125V receptacles. (4) Keystone openings for Hubbell jacks or flush AV connectors. Power can be wired as single or two circuit with isolated ground capability. (4) Includes ⏻ stickers. Provided with 15 ft. wire leads Provided with 30 ft. wire leads	**S1SP4X4** **S1SP4X4C** **S1SP4X415** **S1SP4X430**
Single Receptacle + Data Opening for 20 or 30A Twist-Lock® receptacle (1.56" OD) and (2) Keystone openings for Hubbell jacks or flush AV connectors. (4)	**S1SPTL**
Hubbell DataCom + Style Line® Decorator (1) Style Line® decorator opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications. (5)	**S1SPSL2IM**
Extron® or FSR + Power (1) 20A, 125V receptacle. Recessed opening for (3) single Extron® MAAP series adapter plates or FSR IPS plates. (4) Marked with "⏻ Controlled"	**S1SPEXT1** **S1SPEXT1C**
Extron® AAP + Power (1) 20A, 125V receptacle. (2) flush Keystone & recessed opening for (2) single Extron® AAP Series adapter plates. (4) Marked with "⏻ Controlled"	**S1SPEXT4** **S1SPEXT4C**
Panduit Mini Com® 4 X 4 (4) 20A, 125V receptacles. (4) Openings for Panduit Mini-Com Connectivity. (4) Includes ⏻ stickers.	**S1SP4X4PA** **S1SP4X4PAC**

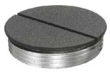
Description	Catalog Number
Duplex/Duplex (2) Duplex openings for power and/or datacom applications. (3) Non-Metallic (3.5) Metal	**S1SPDU**
Carpet Furniture Feed Cover/Flange* (1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes carpet flange. (3) Non-Metallic (3.5) Metal Aluminum Fin. Brass Finish Black Gray	**S1SPFFAL** **S1SPFFBRS** **S1SPFFBL** **S1SPFFGY**
Hubbell DataCom + Power (1) 20A, 125V receptacle and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications. (5) Marked with "⏻ Controlled"	**S1SP3IM** **S1SP3IMC**
Hubbell DataCom 1 unit flush Hubbell iSTATION opening and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications. (3.5)	**S1SP4IM**
Extron® or FSR + Power (1) 20A, 125V receptacle. Recessed opening for (1) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates. (4) Marked with "⏻ Controlled"	**S1SPEXT2** **S1SPEXT2C**
Ortronics Series II® + Power (1) 20A, 125V receptacle. Recessed opening for (3) 1 unit Ortronics Series II® modules. (5) Marked with "⏻ Controlled"	**S1SPORT** **S1SPORTC**
SYSTIMAX® 4 X 4 (4) 20A, 125V receptacles. (4) Openings for SYSTIMAX® Connectivity. (4) Includes ⏻ stickers.	**S1SP4X4SYS** **S1SP4X4SYSC**

Description	Catalog Number
Duplex/Style Line® Decorator (1) Duplex and (1) Style Line® decorator opening for power and/or datacom applications. (3) Non-Metallic (3.5) Metal	**S1SPDUSL**
Tile Furniture Feed Cover/Flange* (1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes tile flange. (3) Non-Metallic (3.5) Metal Aluminum Fin. Brass Finish Black Gray	**S1SPFFTAL** **S1SPFFTBRS** **S1SPFFTBL** **S1SPFFTGY**
Hubbell DataCom + Duplex (1) Duplex opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications. (5)	**S1SPDU2IM**
Active Multimedia + Power Single 20A, 125V receptacle; (2) flush Keystone openings; (1) rectangular Style Line® decorator opening to accommodate active multimedia modules or low voltage outlet frames. (5) Marked with "⏻ Controlled"	**S1SPAMM20** **S1SPAMM20C**
Extron® or FSR Single-Service Recessed opening for (2) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates. (4.5)	**S1SPEXT3**
Ortronics TracJack® + Power (1) 20A, 125V receptacle. Recessed bezel for (6) Ortronics TracJack® modules. (5) Marked with "⏻ Controlled"	**S1SPTRAC** **S1SPTRACC**
Siemon MAX® + Power (1) 20A, 125V receptacle. Recessed bezel for (6) Siemon MAX® modules. (5) Marked with "⏻ Controlled"	**S1SPMAX** **S1SPMAXC**

*Note: *Furnished with two screws in flexible metal conduit connectors.*
⏀ Signifies minimum depth of concrete pour in inches for Metal Floor Boxes (**S1CFB**, **S1SFB** and **S1SFBAV**) and Non-Metallic Floor Box (**S1PFB**).

Sub-Plate Accessories

Replacement Threaded Conduit Plugs
Used with **S1SPFFx** and **S1SPFFTx** only.
Sub-plate is supplied with plugs.



Color	1½" Plug	¾" Plug
Aluminum Finish	**S1FP15AL**	**S1FP34AL**
Brass Finish	**S1FP15BRS**	**S1FP34BRS**
Black	**S1FP15BL**	**S1FP34BL**
Gray	**S1FP15GY**	**S1FP34GY**

Description	Catalog Number	
Replacement for **S1SPMAX.** Sub-plate is supplied with data frame. Works with Siemon MAX®.	**S1DFMAX**	
Replacement for **S1SPTRAC** sub-plate. Sub-plate is supplied with data frame. Works with Ortronics TracJack®.	**S1DFTRAC**	
Blank Style Line® decorator frame, Black.	**NS620BK**	
2-Port Style Line® decorator frame, Black.	**ISF2BK**	
4-Port Style Line® decorator frame, Black.	**ISF4BK**	
6-Port Style Line® decorator frame, Black.	**ISF6BK**	

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SystemOne Flush Configuration Chart			Floor Boxes						4" Core Hole Fire-Rated Poke-Throughs		
			Non-Metallic	Metal							
Approved for use in the City of Chicago. (except S1PFB)											
Sub-Plates			S1PFB	S1CFB	S1SFB	S1SFBCR	S1SFBAV	S1SFBAVCR	S1PTFIT	S1PT4X4FIT	S1PTAVFIT
S1SP	Style Line® Decorator/GFCI		3	3.5	3.5	3.5	3.5	3.5	✓+	✗	✓
S1SPDU	Duplex/Duplex		3	3.5	3.5	3.5	3.5	3.5	✓+	✗	✓
S1SPDUSL	Duplex/Style Line® Decorator		3	3.5	3.5	3.5	3.5	3.5	✓+	✗	✓
S1SP4X4 **S1SP4X4PA** **S1SP4X4SYS**	Hubbell 4 X 4 Panduit Mini-Com® 4 X 4 SYSTIMAX® 4 X 4		4	4	4	4	4	4	✗	✓+	✗
S1SP4X4C **S1SP4X4PAC** **S1SP4X4SYSC**	Marked with "⏻ Controlled"										
S1SPTL	Twist-Lock® Receptacle + Data		4	4	4	4	4	4	✗	✓+	✗
S1SP3IM	Hubbell DataCom + Power		5	5	5	5	5	5	✓	✗	✓+
S1SP4IM	Hubbell DataCom		3.5	3.5	3.5	3.5	3.5	3.5	✓	✗	✓+
S1SPDU2IM	Hubbell DataCom + Duplex		5	5	5	5	5	5	✓	✗	✓+
S1SPSL2IM	Hubbell DataCom + Style Line® Decorator		5	5	5	5	5	5	✓	✗	✓+
S1SPFFxx (Carpet) **S1SPFFTxx** (Tile)	Furniture Feed Cover/Flange (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).		3	3.5	3.5	3.5	3.5	3.5	✓	✗	✓+
S1SPEXT1 **S1SPEXT1C**	Extron® or FSR + Power Marked with "⏻ Controlled"		4	4	4	4	4	4	✓	✗	✓+
S1SPEXT2 **S1SPEXT2C**	Extron® or FSR + Power Marked with "⏻ Controlled"		4	4	4	4	4	4	✓	✗	✓+
S1SPEXT3	Extron® or FSR Single-Service		4.5	4.5	4.5	4.5	4.5	4.5	✓	✗	✓+
S1SPEXT4 **S1SPEXT4C**	Extron® or FSR + Power Marked with "⏻ Controlled"		4	4	4	4	4	4	✓	✗	✓+
S1SPORT **S1SPORTC**	Ortronics Series II® + Power Marked with "⏻ Controlled"		5	5	5	5	5	5	✓	✗	✓+
S1SPTRAC **S1SPTRACC**	Ortronics TracJack® + Power Marked with "⏻ Controlled"		5	5	5	5	5	5	✓	✗	✓+
S1SPMAX **S1SPMAXC**	Siemon MAX® + Power Marked with "⏻ Controlled"		5	5	5	5	5	5	✓	✗	✓+
S1SPAMM20 **S1SPAMM20C**	Active Multimedia + Flush Keystone + Power Marked with "⏻ Controlled"		5	5	5	5	5	5	✓	✗	✓+
S1CFCxx (Carpet) **S1TFCxx** (Tile)	SystemOne Floor Boxes and FRPTs use SystemOne Universal Covers (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).										

Signifies minimum depth of concrete pour in inches for Hubbell SystemOne Floor Boxes.

✓+ Recommended Floor Fitting
✓ Alternative Floor Fitting
✗ Not Compatible

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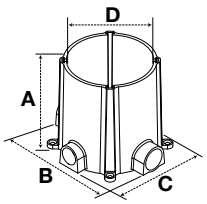
Flush Round Single or Multi-Service Non-Metallic Floor Boxes, for Use In Concrete Floors





PFB1

Min. Depth of Pour	3.00" (76.2)
Cubic Inch (cm^3) Capacity	100 cu. in. (1638.7 cm^3) prior to cutting level to floor (19.5 cu. in. (313.2 cm^3) per inch of depth).
Dimensions – A	6.00" (152.4)
Dimensions – B	7.08" (179.8)
Dimensions – C	6.69" (169.9)
Dimensions – D	5.38" (136.5)
Hubs	(2) 1" and (2) ¾" Conduit Hubs
Concrete Cover Included	✓
Closure/Reducer Plugs	(2) 1" plugs close off 1" hubs or reduce 1" to ¾" (2) ¾" plugs close off ¾" hubs or reduce ¾" to ½"

Description	Catalog Number
Adapter Required for all applications.	**PFBA1A**
Low Voltage Divider Required for use with catalog number **PFB1** when used in multi-service applications. Accepts Hubbell standard duplex receptacles or 15A Twist-Lock® duplex receptacles (HBL4700 series).	**PFBT1A**
"Y" Adapter ¾ in. "Y" adapter to feed parallel runs of ¾ in. conduit.	**PFBYA1**
Pre-pour PVC stand increases **PFB1** box height 2.5 in. to 4.0 in. within the concrete pour.	**PFBSTAND**

Note: UL File Number E92074. CSA File Number LR18416.

Flush Round Covers and Flanges†

Multi-Service Cover and Flange Assemblies
Includes floor box cover with duplex flaps, (2) ½ in. dia. low voltage feed through holes and matching carpet flange. 6.25 in. Diameter

SF39253A	PFBCBRA	PFBCBLA	PFBCGYA	PFBCIA
Brass	Brown Non-Metallic	Black Non-Metallic	Gray Non-Metallic	Ivory Non-Metallic

Metal Carpet Flange

Use with single service covers for carpet applications. 6.25 in. Diameter

S3082	SA3082
Brass	Brushed Aluminum

Adapter Ring

Use with single service covers for tile applications.

S5016	SA5016
Brass	Aluminum

Multi-Service Replacement Covers

Material	Metallic	Color	Non-metallic
Solid Brass	**BRS2RCA**	Black	**PFBRCBLA**
		Brown	**PFBRCBRA**
		Gray	**PFBRCGYA**
		Ivory	**PFBRCIA**

Single Service Covers†

Brass
Aluminum
3.88 in. Dia.

S3925 SA3925	S3725 SA3725	S2525 SA2525	S2725 SA2725	S2925 SA2925	S3525 —	S3325 —	S3913 SA3913
Duplex Flap	Duplex Screw	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	2⅛" Single Receptacle (Terrazzo Floor)	Blank

One Piece Brass Cover and Carpet Flange†

Brass
Aluminum
6.25 in. Dia.

SF3925* SFA3925*	SFB3926 ** SFA3926	SF2525* —	SF2725* —	SF2925* —
Duplex Flap	Style Line® Decorator Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle

**Note: Adapter ring S5016 is required for mounting SF series covers onto PFBA1A.*

***Note: brass plated aluminum*

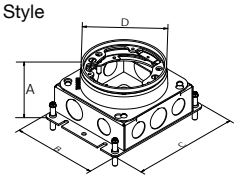
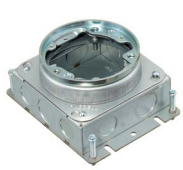
Furniture Feed Plate

Unpainted plate with 1 in. threaded opening. **PFBP1**

Steel

†*COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor, Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

Flush Round Single Service Metal Floor Boxes, for Use In Concrete Floors

Style	Cast Iron			Stamped Steel	
					
Catalog Numbers	**FB2536**	**FB2537**	**FB2546**	**FB2527**	**FB2529**
Cover Frame Material	Steel	Steel	Steel	Steel	Steel
Min. Depth of Pour	3.25" (82.6)	3.00" (76.2)	3.75" (95.3)	4.00" (101.6)	3.00" (76.2)
Adjustability	Fully	Fully	Fully	Fully	Fully
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	–	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.50" (12.7)	.50" (12.7)	.625" (15.9)	.50" (12.7)	.50" (12.7)
Cubic Inch (cm3) Capacity	33.0 (540.8)	30.0 (491.7)	36.0 (590.0)	54.0 (884.9)	37.3 (611.2)
Dimensions – A	3.12" (79.1)	2.87" (72.8)	3.61 (91.6)	3.80 (96.4)	2.82 (71.5)
Dimensions – B	4.85" (123.2)	4.85" (123.2)	5.00" (126.9)	4.81" (122.2)	4.81" (122.2)
Dimensions – C	4.85" (123.2)	4.85" (123.2)	–	6.00" (152.4)	6.00" (152.4)
Dimensions – D	4.21" (106.8)	4.21" (106.8)	4.21" (106.8)	4.21" (106.8)	4.21" (106.8)
Threaded Hubs	(4) 1"	(4) ¾"	(4) 1"	–	–
Knockouts – Sides	–	–	–	(2) 3/4", 1", 1-1/4"	(2) ½" & (1) ¾"
Knockouts – Ends	–	–	–	(2) 3/4", 1", 1-1/4"	(1) ½" & (1) ¾"
Knockouts – Bottom	–	–	–	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"
Concrete Cover Included	✓	✓	✓	✓	✓
Closure Plugs Included	✓	✓	✓	–	–
1" to 3/4" Threaded Reducer	2 Each	–	2 Each	–	–

Note: Suitable for single service applications only. UL File Number E31999. CSA File Number LR18416.

Cover Adapter Ring, Flush Application

Required for tile or finished concrete applications.

S5016



Brass

SA5016



Aluminum

Carpet Flanges, Surface Applications

Required for carpet and surface applications.

6.25 in. Dia.	**S3082**	**SA3082**
5.25 in. Dia.	**S3182**	**SA3182**

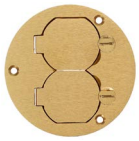


Brushed Brass



Brushed Aluminum

Single Service Covers†

Brass Aluminum 3.88 in. Dia.	**S3925** **SA3925**	**S3725** **SA3725**	**S2525** **SA2525**	**S2725** **SA2725**	**S2925** **SA2925**	**S3525** —	**S3325** —	**S3913** **SA3913**
								
	Duplex Flap	Duplex Screw	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	2⅛" Single Receptacle (Terrazzo Floor)	Blank

One Piece Brass Cover and Carpet Flange†

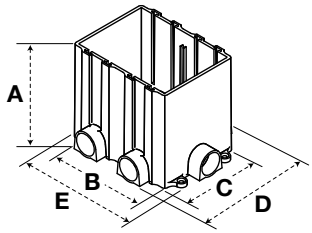
Brass Aluminum 6.25 in. Dia.	**SF3925** **SFA3925**	**SFB3926*** **SFA3926**	**SF2525** —	**SF2725** —	**SF2925** —
					
	Duplex Flap	Style Line® Decorator Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle

**Note: brass plated aluminum*

†COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor, Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.

Dimensions in Inches (mm)

Flush Rectangular Non-Metallic Floor Boxes with Non-Metallic Covers, for Use In Concrete Floor

Style	1-Gang	2-Gang	3-Gang
	 **PFBRG1***	 **PFBRG2**	 **PFBRG3**
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Adjustability	Fully	Fully	Fully
Cubic Inch (cm^3) Capacity per Gang	14.3 cu. in. (234.3 cm^3) per 1" depth	14.3 cu. in. (234.3 cm^3) per 1" depth	14.3 cu. in. (234.3 cm^3) per 1" depth
Dimensions – A	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B	3.60" (91.4)	6.80" (172.7)	10.04" (255.0)
Dimensions – C	5.47" (138.9)	5.47" (138.9)	5.47" (138.9)
Dimensions – D	6.90" (175.3)	6.90" (175.3)	6.90" (175.3)
Dimensions – E	5.41" (137.4)	8.56" (221.4)	11.75" (298.4)
Hubs	(4) 1¼"	(6) 1¼"	(8) 1¼"
Reducers	(4) 1" to ¾" and (4) 1¼" to 1"	(6) 1" to ¾" and (6) 1¼" to 1"	(8) 1" to ¾" and (8) 1¼" to 1"
Concrete Cover Included	✓	✓	✓
Closure Plugs Included	✓	✓	✓
Low Voltage Barrier**	–	(1) Removable	(2) Removable

Note: UL File Number E92074.
**Suitable for single service applications only.*
***Replacement low voltage barriers, 5 pack, catalog number PFBRGLVDPK5*

Flush Rectangular Non-Metallic Covers and Flanges*

Required Components for Carpet Applications

Carpet Flanges				Cover with Duplex and Style Line® decorator inserts included
Number of Gangs Dimensions	1-Gang 6.00" x 4.88"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.35"	One Required per Gang 4.15" x 2.97"
Black	**PFBRFBL1**	**PFBRFBL2**	**PFBRFBL3**	**PFBR826BLA**
Brown	**PFBRFBR1**	**PFBRFBR2**	**PFBRFBR3**	**PFBR826BRA**
Gray	**PFBRFGY1**	**PFBRFGY2**	**PFBRFGY3**	**PFBR826GYA**
Ivory	**PFBRFI1**	**PFBRFI2**	**PFBRFI3**	**PFBR826IA**





Cover


Duplex Insert


Style Line® Decorator Insert

Required Components for Tile Applications

Mounting Collar	Cover Frame	Cover with Duplex and Style Line® decorator inserts included
One Required per Gang	One Required per Gang Dim. 4.47" x 3.25"	One Required per Gang 4.15" x 2.97"
PFBRMC	**PFBRFRA**	**PFBR826GYA**




Cover

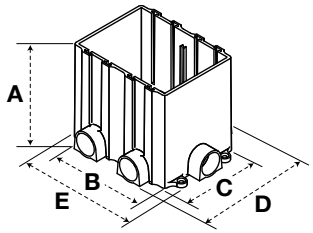

Duplex Insert


Style Line® Decorator Insert

*Note: *Flush rectangular non-metallic covers and flanges are UL listed only. Not CSA certified. COVER LOAD RATING; Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

Dimensions in Inches (mm)

Flush Rectangular Non-Metallic Floor Boxes with Metal Covers, for Use In Concrete Floor

Style	1-Gang	2-Gang	3-Gang
	 **PFBRG1***	 **PFBRG2**	 **PFBRG3**
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Adjustability	Fully	Fully	Fully
Cubic Inch (cm^3) Capacity per Gang	14.3 cu. in. (234.3 cm^3) per 1" depth	14.3 cu. in. (234.3 cm^3) per 1" depth	14.3 cu. in. (234.3 cm^3) per 1" depth
Dimensions – A	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B	3.60" (91.4)	6.80" (172.7)	10.04" (255.0)
Dimensions – C	5.47" (138.9)	5.47" (138.9)	5.47" (138.9)
Dimensions – D	6.90" (175.3)	6.90" (175.3)	6.90" (175.3)
Dimensions – E	5.41" (137.4)	8.56" (221.4)	11.75" (298.4)
Hubs	(4) 1¼"	(6) 1¼"	(8) 1¼"
Reducers	(4) 1" to ¾" and (4) 1¼" to 1"	(6) 1" to ¾" and (6) 1¼" to 1"	(8) 1" to ¾" and (8) 1¼" to 1"
Concrete Cover Included	✓	✓	✓
Closure Plugs Included	✓	✓	✓
Low Voltage Barrier**	–	(1) Removable	(2) Removable

Note: UL File Number E92074.
**Suitable for single service applications only.*
***Replacement low voltage barriers, 5 pack, catalog number PFBRGLVDPK5*

Flush Rectangular Metal Covers and Flanges

Required Components for Flush Tile Applications

Adapter Collar
(One required per gang)

Gray **PFBRAC** 

Adapter Frame with Grounding Wire (One required per gang) Dim. 4.36" x 3.20" x 0.30"

Brass **S5017GR**
Aluminum **SA5017GR** 

Flush Rectangular Metal Covers and Flanges

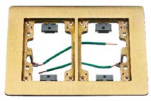
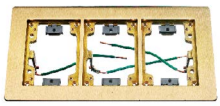
Required Components for Flat Flange Applications

Adapter Collar
(One required per gang)

Gray **PFBRAC** 

Flat Flanges*

Flat Flange Height 0.125"

Number of Gangs Dimensions	1-Gang 6.00" x 4.85"		2-Gang 6.00" x 8.13"		3-Gang 6.00" x 11.34"	
Brass, square edge Aluminum, square edge Brass, beveled edge Aluminum, beveled edge	**SB3083W** **SA3083W** **SB3083WB** **SA3083WB**		**SB3084W** **SA3084W** **SB3084WB** **SA3084WB**		**SB3085W** **SA3085W** **SB3085WB** **SA3085WB**	

**Flange applications; square edge for carpet and recessed, beveled edge for use on hard finished surfaces*

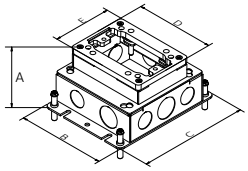
Covers – One Required per Gang†

Brass Aluminum Dimensions 4.15" x 2.99"	**S3825** **SA3825**	**S3625** **SA3625**	**S3625TR** **SA3625TR**	**S3826** **SA3826**	**S2425** **SA2425**	**S2625** **SA2625**	**S2825** **—**	**S3425** **—**	**S3813** **SA3813**
									
	Duplex Flap	Duplex Screw	Tamper Resistant Duplex Screw	Style Line® Decorator Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	Blank

†*COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor Load applied through a 3 in. (76) mandrel at the center of the cover.*

Dimensions in Inches (mm)

Flush Rectangular Cast Iron Floor Boxes with Metal Covers, for Use In Concrete Floors

Style	Cast Iron					
	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow
						
Catalog Numbers	**FB4133***	**FB4233**	**FB4333**	**FB4114***	**FB4214**	**FB4314**
Cover Frame Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Min. Depth of Pour	3.50" (95.3)	3.50" (95.3)	3.50" (95.3)	2.00" (50.8)	2.00" (50.8)	2.00" (50.8)
Adjustability	Fully	Fully	Fully	Semi	Semi	Semi
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.875" (22.2)	.875" (22.2)	.875" (22.2)	–	–	–
Cubic Inch (cm3) Capacity per Gang	33.0 (540.8)	36.5 (598.2)	36.5 (598.2); 34.8 (570.3) center gang	16.0 (262.2)	16.0 (262.2)	16.0 (262.2)
Dimensions – A	3.42" (87.0)	3.40" (86.4)	3.40" (86.4)	2.03" (51.4)	2.05" (51.9)	2.06" (52.2)
Dimensions – B	4.85" (123.2)	4.91" (124.7)	4.91" (124.7)	5.66" (143.7)	5.46" (138.7)	5.46" (138.7)
Dimensions – C	4.85" (123.2)	8.13" (206.5)	11.41" (289.8)	4.38" (111.3)	7.50" (190.4)	10.71" (272.0)
Dimensions – D	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)
Dimensions – E	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)
Threaded Hubs	(4) 1"	(6) 1"	(8) 1"	(4) ¾"	(4) ¾"	(6) ¾"
Concrete Cover Included	✓	✓	✓	✓	✓	✓
Closure Plugs Included	✓	✓	✓	✓	✓	✓
1" to 3/4" Threaded Reducer	2 Each	4 Each	4 Each	–	–	–
Low Voltage Barrier	–	(1) Removable	(2) Removable	–	Non-Removable	Non-Removable

*Note: UL File Number E92074. CSA File Number LR18416. *Suitable for single service applications only.*

Flush Rectangular Covers Flanges

Required Components for Flush Tile or Finished Concrete Applications

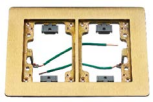
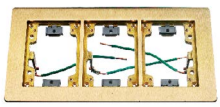
Brass **S5017GR**
Aluminum **SA5017GR**



Adapter Frame with Grounding Wire (One required per gang) Dim. 4.36" x 3.20" x 0.30"

Flat Flanges*

Flat Flange Height 0.125"

Number of Gangs Dimensions	1-Gang 6.00" x 4.85"		2-Gang 6.00" x 8.13"		3-Gang 6.00" x 11.34"	
Brass, square edge Aluminum, square edge Brass, beveled edge Aluminum, beveled edge	**SB3083W** **SA3083W** **SB3083WB** **SA3083WB**		**SB3084W** **SA3084W** **SB3084WB** **SA3084WB**		**SB3085W** **SA3085W** **SB3085WB** **SA3085WB**	

**Flange applications; square edge for carpet and recessed, beveled edge for use on hard finished surfaces*

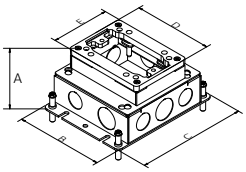
Covers – One Required per Gang†

Brass Aluminum Dimensions 4.15" x 2.99"	**S3825** **SA3825**	**S3625** **SA3625**	**S3625TR** **SA3625TR**	**S3826** **SA3826**	**S2425** **SA2425**	**S2625** **SA2625**	**S2825** **—**	**S3425** **—**	**S3813** **SA3813**
									
	Duplex Flap	Duplex Screw	Tamper Resistant Duplex Screw	Style Line® Decorator Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	Blank

†*COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor. Load applied through a 3 in. (76) mandrel at the center of the cover.*

Dimensions in Inches (mm)

Flush Rectangular Cast Iron Floor Boxes with Non-Metalic Covers, for Use In Concrete Floors

Style	Cast Iron					
	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow
						
Catalog Numbers	**FB4133***	**FB4233**	**FB4333**	**FB4114***	**FB4214**	**FB4314**
Cover Frame Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Min. Depth of Pour	3.50" (95.3)	3.50" (95.3)	3.50" (95.3)	2.00" (50.8)	2.00" (50.8)	2.00" (50.8)
Adjustability	Fully	Fully	Fully	Semi	Semi	Semi
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.875" (22.2)	.875" (22.2)	.875" (22.2)	–	–	–
Cubic Inch (cm3) Capacity per Gang	33.0 (540.8)	36.5 (598.2)	36.5 (598.2); 34.8 (570.3) center gang	16.0 (262.2)	16.0 (262.2)	16.0 (262.2)
Dimensions – A	3.42" (87.0)	3.40" (86.4)	3.40" (86.4)	2.03" (51.4)	2.05" (51.9)	2.06" (52.2)
Dimensions – B	4.85" (123.2)	4.91" (124.7)	4.91" (124.7)	5.66" (143.7)	5.46" (138.7)	5.46" (138.7)
Dimensions – C	4.85" (123.2)	8.13" (206.5)	11.41" (289.8)	4.38" (111.3)	7.50" (190.4)	10.71" (272.0)
Dimensions – D	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)
Dimensions – E	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)
Threaded Hubs	(4) 1"	(6) 1"	(8) 1"	(4) ¾"	(4) ¾"	(6) ¾"
Concrete Cover Included	✓	✓	✓	✓	✓	✓
Closure Plugs Included	✓	✓	✓	✓	✓	✓
1" to 3/4" Threaded Reducer	2 Each	4 Each	4 Each	–	–	–
Low Voltage Barrier	–	(1) Removable	(2) Removable	–	Non-Removable	Non-Removable

*Note: UL File Number E92074. CSA File Number LR18416. *Suitable for single service applications only.*

Flush Rectangular Non-Metallic Covers and Flanges*

Required Components for Carpet Applications				Cover with Duplex and Style Line® decorator inserts included
Carpet Flanges				
Number of Gangs Dimensions	1-Gang 6.00" x 4.88"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.35"	One Required per Gang 4.15" x 2.97"
Black	**MFBRFBL1**	**MFBRFBL2**	**MFBRFBL3**	**PFBR826BLA**
Brown	**MFBRFBR1**	**MFBRFBR2**	**MFBRFBR3**	**PFBR826BRA**
Gray	**MFBRFGY1**	**MFBRFGY2**	**MFBRFGY3**	**PFBR826GYA**
Ivory	**MFBRFI1**	**MFBRFI2**	**MFBRFI3**	**PFBR826IA**





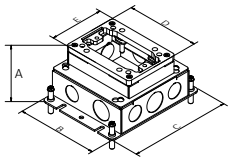



Cover **Duplex Insert** **Style Line® Decorator Insert**

*Note: *Flush rectangular non-metallic covers and flanges are UL listed only. Not CSA certified. COVER LOAD RATING; Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

Dimensions in Inches (mm)

Flush Rectangular Stamped Steel Floor Boxes with Metal Covers, for Use In Concrete Floors

Style	Stamped Steel					
	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow
						
Catalog Numbers	**FB2431***	**FB2432**	**FB2433**	**FB2421***	**FB2422**	**FB2423**
Cover Frame Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Min. Depth of Pour	3.75" (95.3)	3.75" (95.3)	3.75" (95.3)	2.75" (69.9)	2.75" (69.9)	2.75" (69.9)
Adjustability	Fully	Fully	Fully	Fully	Fully	Fully
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)
Cubic Inch (cm3) Capacity per Gang	54.0 (884.9)	52.8 (865.2)	50.8 (832.5)	37.3 (611.2)	35.0 (573.5)	34.0 (557.2); 35.0 (573.5) center gang
Dimensions – A	3.73" (94.7)	3.73" (94.7)	3.73" (94.7)	2.75" (69.8)	2.75" (69.8)	2.75" (69.8)
Dimensions – B	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)
Dimensions – C	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)
Dimensions – D	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)
Dimensions – E	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)
Knockouts – Sides	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"	(1) ½" & (1) ¾"	(8) 1/2", 3/4"	(12) 1/2", 3/4"
Knockouts – Ends	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(2) ½" & (1) ¾"	(4) 1/2", 3/4"	(4) 1/2", 3/4"
Knockouts – Bottom	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"
Concrete Cover Included	✓	✓	✓	✓	✓	✓
Low Voltage Barrier	–	(1) Removable	(2) Removable	–	(1) Removable	(2) Removable

Note: UL File Number E92074. CSA File Number LR18416.
**Suitable for single service applications only.*

Flush Rectangular Covers Flanges

Required Components for Flush Tile or Finished Concrete Applications

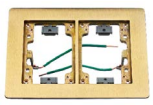
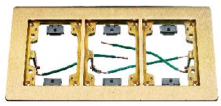
Brass **S5017GR**
Aluminum **SA5017GR**



Adapter Frame with Grounding Wire (One required per gang) Dim. 4.36" x 3.20" x 0.30"

Flat Flanges*

Flat Flange Height 0.125"

Number of Gangs Dimensions	1-Gang 6.00" x 4.85"		2-Gang 6.00" x 8.13"		3-Gang 6.00" x 11.34"	
Brass, square edge Aluminum, square edge Brass, beveled edge Aluminum, beveld edge	**SB3083W** **SA3083W** **SB3083WB** **SA3083WB**		**SB3084W** **SA3084W** **SB3084WB** **SA3084WB**		**SB3085W** **SA3085W** **SB3085WB** **SA3085WB**	

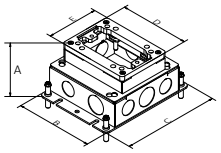
**Flange applications; square edge for carpet and recessed, beveled edge for use on hard finished surfaces*

Covers – One Required per Gang†

Brass Aluminum Dimensions 4.15" x 2.99"	**S3825** **SA3825**	**S3625** **SA3625**	**S3625TR** **SA3625TR**	**S3826** **SA3826**	**S2425** **SA2425**	**S2625** **SA2625**	**S2825** **—**	**S3425** **—**	**S3813** **SA3813**
									
	Duplex Flap	Duplex Screw	Tamper Resistant Duplex Screw	Style Line® Decorator Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	2⅜" Single Receptacle	Blank

†*COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor, Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

Flush Rectangular Stamped Steel Floor Boxes with Non-Metalic Covers, for Use In Concrete Floors

Style	Stamped Steel					
	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow
						
Catalog Numbers	**FB2431***	**FB2432**	**FB2433**	**FB2421***	**FB2422**	**FB2423**
Cover Frame Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Min. Depth of Pour	3.75" (95.3)	3.75" (95.3)	3.75" (95.3)	2.75" (69.9)	2.75" (69.9)	2.75" (69.9)
Adjustability	Fully	Fully	Fully	Fully	Fully	Fully
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)
Cubic Inch (cm3) Capacity per Gang	54.0 (884.9)	52.8 (865.2)	50.8 (832.5)	37.3 (611.2)	35.0 (573.5)	34.0 (557.2); 35.0 (573.5) center gang
Dimensions – A	3.73" (94.7)	3.73" (94.7)	3.73" (94.7)	2.75" (69.8)	2.75" (69.8)	2.75" (69.8)
Dimensions – B	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)
Dimensions – C	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)
Dimensions – D	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)
Dimensions – E	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)
Knockouts – Sides	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"	(1) ½" & (1) ¾"	(8) 1/2", 3/4"	(12) 1/2", 3/4"
Knockouts – Ends	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(2) ½" & (1) ¾"	(4) 1/2", 3/4"	(4) 1/2", 3/4"
Knockouts – Bottom	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"
Concrete Cover Included	✓	✓	✓	✓	✓	✓
Low Voltage Barrier	–	(1) Removable	(2) Removable	–	(1) Removable	(2) Removable

Note: UL File Number E92074. CSA File Number LR18416.
**Suitable for single service applications only.*

Flush Rectangular Non-Metallic Covers and Flanges*

Required Components for Carpet Applications				Cover with Duplex and Style Line® decorator inserts included
Carpet Flanges				
Number of Gangs Dimensions	1-Gang 6.00" x 4.88"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.35"	One Required per Gang 4.15" x 2.97"
Black	**MFBRFBL1**	**MFBRFBL2**	**MFBRFBL3**	**PFBR826BLA**
Brown	**MFBRFBR1**	**MFBRFBR2**	**MFBRFBR3**	**PFBR826BRA**
Gray	**MFBRFGY1**	**MFBRFGY2**	**MFBRFGY3**	**PFBR826GYA**
Ivory	**MFBRFI1**	**MFBRFI2**	**MFBRFI3**	**PFBR826IA**





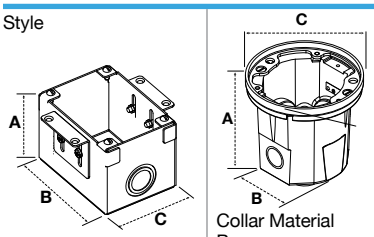



Cover **Duplex Insert** **Style Line® Decorator Insert**

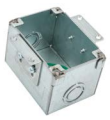
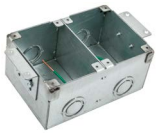
*Note: *Flush rectangular non-metallic covers and flanges are UL listed only. Not CSA certified. COVER LOAD RATING; Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

Dimensions in Inches (mm)

Flush Floor Boxes for Wooden Floors

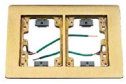
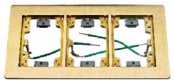


Collar Material Brass

Style	Rectangular Stamped Steel			Round Cast Iron	
	1-Gang	2-Gang	3-Gang	1-Gang	1-Gang
					
	B2481*	**B2482**	**B2483**	**B2588***	**B2588275***
Adjustability	Semi	Semi	Semi	Non	Non
Cubic Inch (cm^3) Capacity per Gang	42.0 cu. in. (688.3 cm^3)	42.5 cu. in. (696.5 cm^3)	42.5 cu. in. (696.5 cm^3)	18.5 cu. in. (303.2 cm^3)	18.5 cu. in. (303.2 cm^3)
Dimensions – A	3.13" (79.5)	3.13" (79.5)	3.13" (79.5)	3.65" (92.7)	3.65" (92.7)
Dimensions – B	4.50" (114.3)	4.50" (114.3)	4.50" (114.3)	3.22" (81.8)	3.22" (81.8)
Dimensions – C	3.20" (81.3)	6.42" (163.1)	9.64" (244.9)	4.09" (103.9)	4.09" (103.9)
Threaded Hubs	–	–	–	Bottom (2) ½"	Sides (2) ¾" Bottom (2) ½"
Knockouts – Ends	(1) ½", ¾", 1"	(2) ½", ¾", 1"	(3) ½", ¾", 1"	–	–
Knockouts – Sides	–	–	–	–	–
Knockouts – Bottom	(1) ½", ¾", 1", 1¼"	(2) ½", ¾", 1", 1¼"	(3) ½", ¾", 1", 1¼"	–	–
Debris Cover Included	✓	✓	✓	–	–
Closure Plugs Included	–	–	–	✓	✓
Low Voltage Barrier	–	(1) Removable	(2) Removable	–	–

Note: UL File Number E31999. CSA File Number LR18416.
**Suitable for single service applications only.*

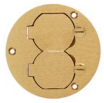
Rectangular Flat Flanges (Required)

Brass / Aluminum	SB3083W / SA3083W	SB3084W / SA3084W	SB3085W / SA3085W
			
No. of Gangs Dimensions	1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"

Round Flanges

S3182 / SA3182	S3082 / SA3082
	
5.25" Dia.	6.25" Dia.

Round Covers (3.88" Dia.)†

S3925 / SA3925	S3725 / SA3725	S2525 / SA2525
		
Duplex Flap	Duplex Screw	2⅛" x ¾" Comb.

Covers – One Required per Gang†

Brass / Aluminum Dimensions 4.15" x 2.99"	S3825 / SA3825	S3625 / SA3625	S3625TR / SA3625TR	S3826 / SA3826
				
	Duplex Flap	Duplex Screw	Tamper Resistant Duplex Screw	Style Line® Decorator Opening

Brass / Aluminum Dimensions 4.15" x 2.99"	S2425 / SA2425	S2625 / SA2625	S2825 / –	S3813 / SA3813
				
	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle	Blank

†*COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor. Load applied through a 3 in. (76) mandrel at the center of the cover.*

Dimensions in Inches (mm)

Round Covers†

Brass / Aluminum 3.88" Dia.	S2725 / SA2725	S2925 / SA2925	S3525 / –	S3325 / –
				
	2⅛" x 1" Comb.	2⅛" Single Receptacle	2⅜" Single Receptacle	2⅛" Single Rec. (Terrazzo Floor)

One Piece Brass Cover and Carpet Flange†

Brass / Aluminum 6.25" Dia.	SF3925 / SFA3925	SFB3926* / SFA3926	SF2525 / –	SF2725 / –	SF2925 / –
Brass Plated					
	Duplex Flap	Style Line® Decorator Opening	2⅛" x ¾" Combination	2⅛" x 1" Combination	2⅛" Single Receptacle

**Note: brass plated aluminum*

Floor Box Cover to Receptacle Compatibility Chart

Cover Style			Terrazzo (2⅛")	2⅜"	2⅛"	Duplex Flap	Duplex Plug	Style Line®
Round			S3325 	S3525 	S(A)2925 S(A)2725 S(A)2525 	S(A)3925 	S(A)3725 	
Rectangular				S3425 	S2825 S(A)2625 S(A)2425 	S(A)3825 	S(A)3625(TR) 	S(A)3826 
Rating	NEMA Config.							
2P, 3W 15A, 125V	5-15R		HBL5251 HBL5261 IG5261	HBL5251 HBL5261 IG5261	HBL5251 HBL5261 IG5261	5252AB 5262B CR5252IG HBL5252 HBL5262 IG5262	5252AB 5262B CR5252IG HBL5252 HBL5262 IG5262	HBL2152 IG2152 GFRST15 HBL5260SA HBL5262SA USB15
2P,3W 15A, 125V	L5-15R		HBL4710 IG4710	HBL4710 IG4710	HBL4710 IG4710	HBL4700 IG4700A HBL4792 HBL4794 HBL4795	HBL4700 IG4700A HBL4792 HBL4794 HBL4795	
2P, 3W 15A, 250V	6-15R		HBL5661 IG5661	HBL5661 IG5661	HBL5661 IG5661	HBL5652 HBL5662 IG5662	HBL5652 HBL5662 IG5662	
2P, 3W 15A, 250V	L6-15R		HBL4560 IG4560	HBL4560 IG4560	HBL4560 IG4560	HBL4550 IG4550A	HBL4550 IG4550A	
2P, 3W 15A, 277V	7-15R					HBL5302	HBL5302	
2P, 3W 15A, 277V	L7-15R		HBL4760	HBL4760	HBL4760	HBL4750	HBL4750	
2P, 3W 20A, 125V	5-20R		HBL5361 IG5361	HBL5361 IG5361	HBL5361 IG5361	5352AB 5362B CR5352IG HBL5352 HBL5362 IG5362	5352AB 5362B CR5352IG HBL5352 HBL5362 IG5362	HBL2162 IG2162 GFRST20 HBL5360SA HBL5362SA USB20
2P, 3W 20A, 125V	5-20R					HBL5392	HBL5392	
2P, 3W 20A, 125V	L5-20R		HBL2310 IG2310	HBL2310 IG2310	HBL2310 IG2310			
2P, 3W 20A, 250V	6-20R		HBL5461 IG5461	HBL5461 IG5461	HBL5461 IG5461	HBL5462 IG5462	HBL5462 IG5462	
2P, 3W 20A, 250V	L6-20R		HBL2320 IG2320	HBL2320 IG2320	HBL2320 IG2320			
2P, 3W 30A, 125V	L5-30R		HBL2610 IG2610	HBL2610 IG2610	HBL2610 IG2610			
2P, 3W 30A, 250V	L6-30R		HBL2620 IG2620	HBL2620 IG2620	HBL2620 IG2620			
3P, 4W, 20A 125/250V	14-20R		HBL8410	HBL8410	HBL8410			
	L14-20R		HBL2410 IG2410	HBL2410 IG2410	HBL2410 IG2410			
3P, 4W, 20A 3Ø 250V	15-20R		HBL8420	HBL8420	HBL8420			
	L15-20R		HBL2420 IG2420	HBL2420 IG2420	HBL2420 IG2420			
3P, 4W, 30A 125/250V	L14-30R		HBL2710 IG2710	HBL2710 IG2710	HBL2710 IG2710			
3P, 4W, 30A 3Ø 250V	L15-30R		HBL2720 IG2720	HBL2720 IG2720	HBL2720 IG2720			
3P, 4W, 30A 3Ø 600V	L17-30R		HBL2740	HBL2740	HBL2740			
4P, 5W, 20A 3ØY 120/208V	L21-20R		HBL2510 IG2510	HBL2510 IG2510	HBL2510 IG2510			
4P, 5W, 20A 3ØY 347/600V	L23-20R		HBL2530	HBL2530	HBL2530			
4P, 5W, 30A 3ØY 120/208V	L21-30R		HBL2810 IG2810	HBL2810 IG2810	HBL2810 IG2810			
4P, 5W, 30A 3ØY 347/600V	L23-30R		HBL2830	HBL2830	HBL2830			

Accessories

Theater Seating Floor Box



F3185

Theater Seating Floor Box

Description	Catalog Number
Hubbell's nonadjustable theater seating concrete floor box provides a ¾ in. threaded hub for conduit connection to theater aisle lights. This floor box can also be used to power furniture receptacles in lecture halls, libraries and transportation terminals. It permits opening of the enclosure for wiring without disturbing above floor connections. Other features include a cast iron box with a corrosion-resistant finish and a blank steel cover. Threaded NPSM hubs: (¾ in. surface, (3) 3/4 in. sides, ¾ in. bottom) 18.80 cu. in. (380 cubic cm).	**F3185**

Protective Ring for 2⅛" Threaded Covers



S3061

Problem Solvers and Replacement Components
Protective Ring for 2⅛ Inch Threaded Covers

Description	Catalog Number
Provides mechanical and wet mop protection for plugs and receptacles (brass).	**S3061**

Note: Adjustment: ¾ in. and 1 in. fittings permit ½ in. vertical adjustment.

Coupling (Brass)



F1340

Coupling (Brass)

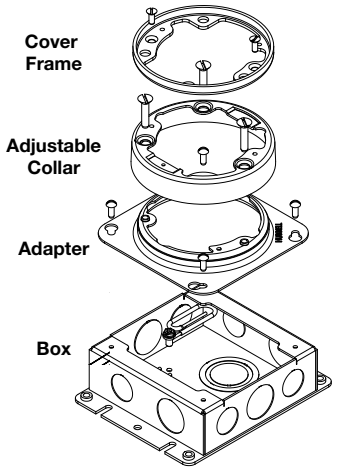
Couplings are utilized for straight conduit connections when a floor box is not required. The conduit stub is brought to within approximately 1¼ in. of the planned surface, and the coupling is mounted and adjusted prior to the concrete pour. Standard service heads may be mounted to the couplings as required.

Description	A	B	Catalog Number
¾ in. threaded conduit size (female).	1.44" (36.6)	1.25" (31.8)	**F1340**

Dimensions in Inches (mm)

Accessories

Experiencing a problem? Let Hubbell accessories help solve it. Hubbell stacking (adjustable) collars are the answer if the box is set too low. Need a replacement? Choose from a full line of replacement covers and fittings. Hubbell accessories also help you with the protection you need for plugs and receptacles.



Problem Solvers and Replacement Components

Stacking (Adjustable) Collars and Frames

Designed to be used if floor box is set too low beneath the floor surface or the adjustable collar and/or adapter on the box is damaged.

If the box number is...	Extension Value	Use Collar Number
FB2431, FB2421	0.78" (19.81)	**FBC2100***
FB2432, FB2422	0.78" (19.81)	**FBC2200***
FB2433, FB2423	0.78" (19.81)	**FBC2300***
FB2536, FB2537, FB2527, FB2529	0.80" (20.32)	**FBC2500***
FB4133	1.16" (29.64)	**FBC4100***
FB4233	1.16" (29.64)	**FBC4200***
FB4333	1.16" (29.64)	**FBC4300***

*Note: *Only available as sets (collars and adapters). In cases where the adapter on the floor box is not damaged, and only stacking is required, discard the adapter and use only the collar. The adjustable collars listed above can be stacked as required to reach the floor surface. Longer screws will be required if more than one collar is stacked (screws not provided). These screws are commercially available. Flat head #12-24 UNC machine screw x (approx. length). Minor Upward Adjustments: Round or Rectangular cover frames (trim rings) may be stacked if the floor box is only slightly recessed below the floor surface.*

Replacement Adjustable Collar



FBC2500 **FBC4200**

Round Replacement Flange

Round Steel Cover Flange	**S5016PG**



S5016PG

Replacement Carpet Flanges

	Rectangular	Rectangular	Rectangular	Round
Number of Gangs	1-Gang	2-Gang	3-Gang	1-Gang
Dimensions	6.00" x 4.85"	6.00" x 8.13"	6.00" x 11.34"	5.25" Dia.
Brass‡	**SB3083**	**SB3084**	**SB3085**	**–**
Aluminum‡	**SA3083**	**SA3084**	**SA3085**	**–**
Clear Polycarbonate	**S3083**	**S3084**	**S3085**	**S3079**

‡*Flange height; 0.47"*



SB3083



S3085



S3079



SA3084

Crown Plugs

Description	Used in the following covers	Catalog Number Brass	Aluminum
¾" thread size.	S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525	**S5012**	**SA5012**
1" thread size.	S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725	**S5013**	**SA5013**

Crown Plugs



S5012 **S5013**

Flush Cap Rings

Description	Used in the following covers	Catalog Number Brass	Aluminum
2⅛" threaded plug with ¾" thread size opening.	S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525	**S5010**	**SA5010**
2⅛" threaded plug with 1" thread size opening.	S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725	**S5025**	**SA5025**

Flush Cap Rings



S5010

Flush Plugs

Description	Used in the following covers	Catalog Number Brass	Aluminum
¾" I.P.S. thread size.	F1339, F1340	**S5002**	**–**
1" I.P.S. thread size.	F1539	**S5003**	**–**
1½" fine thread size.	S3725, SA3725, S3625, SA3625	**S5007**	**SA5007**
2⅛" fine thread size.	S2925, SA2925, S88, S2930, S2955, SF2925, S2825	**S5020**	**SA5020**
2⅜" fine thread size.	S3525, S3425	**S5030**	**–**

Flush Plugs



S5007

Dimensions in Inches (mm)

Fire-Classified Floor Box Solutions



Hubbell's fire-classified floor boxes are an excellent solution when there is not enough capacity in a poke through and the decking must be penetrated for electrical installations. Available in seven or eleven gang versions, our fire rated kits are compatible with our standard CFB7G6 and CFB11G6 series floor boxes.

Fire-Classified Floor Box Kits

- Preserves 2 or 3 hour fire classified floor rating
- Approved for installations using either light or normal weight concrete
- UL 514 and UL 263 Compliant
- Variety of ADA compliant cover choices for most floor types
- Four 1½ inch box bottom entry conduits

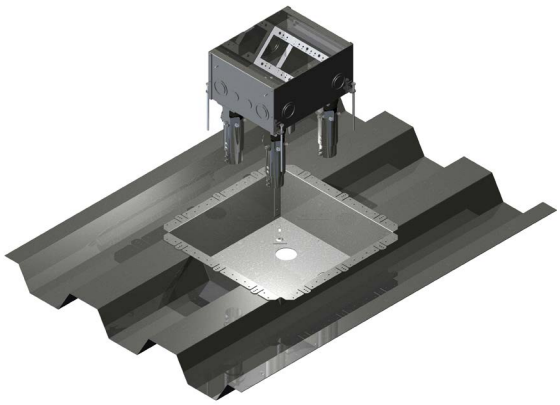
Fire-Resistant Floor Box Kit Includes

- Floor pan, conduit assemblies, hardware, leveling feet and manual

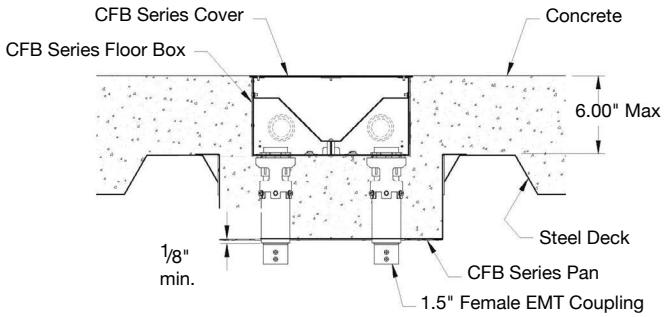
Floor box ordered separately

Installation

- For Concrete pours from 3¼ in. up to 5½ in. above upper most portion of decking
- Units can be mounted 2 ft. on center
- Fastens to deck with TEK screws or welding



CFB7G6 Floor Box above **CFB7G6FRK** Installed in decking



CFB7G6/CFB11G6 Series

Fire-Classified Kit for 7-Gang Floor Box

Floor box, cover and mounting plates NOT included.

Description		Catalog Number
Bottom feed conduits.	4	**CFB7G6FRK**
Bottom feed conduit size.	1½ in	
Pan dimensions.	17 3/16 L x 17 3/16 W x 6½ H in.	
Minimum depth of pour above deck roof.	3¼ in.	
Maximum depth of pour above deck roof.	5½ in.	
Adjustment screw length, four per kit.	6 in.	
Required floor box (not included).	**CFB7G6**	



CFB7G6FRK Kit with **CFB7G6**

Fire-Classified Kit for 11-Gang Floor Box

Floor box, cover and mounting plates NOT included.

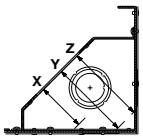
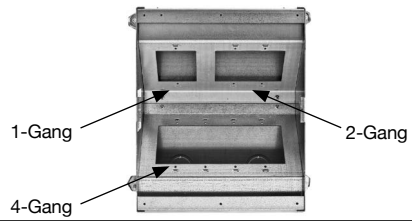
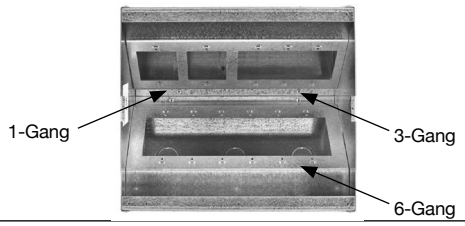
Description		Catalog Number
Bottom feed conduits.	4	**CFB11G6FRK**
Bottom feed conduit size.	1½ in.	
Pan dimensions.	20 11/16 L x 17 3/16 W x 6½ H in.	
Minimum depth of pour above deck roof.	3¼ in.	
Maximum depth of pour above deck roof.	5½ in.	
Adjustment screw length, four per kit.	6 in.	
Required floor box (not included).	**CFB11G6**	



CFB11G6FRK Kit with **CFB11G6**

Dimensions in Inches (mm)

Recessed 7- and 11-Gang Concrete Floor Boxes

Style	CFB7G Series		CFB11G Series	
	7-Gang 		11-Gang 	
	CFB7G4	**CFB7G6**	**CFB11G4**	**CFB11G6**
Min. Depth of Pour	4.08" (103.5)	6.08" (154.3)	4.08" (103.5)	6.08" (154.3)
Adjustability	Before Pour	Before Pour	Before Pour	Before Pour
Dimensions: A B C	4.08" (103.5) 10.0" (254.0) 12.2" (309.9)	6.08" (154.3) 10.0" (254.0) 12.2" (309.9)	4.08" (103.5) 13.5" (342.9) 12.2" (309.9)	6.08" (154.3) 13.5" (342.9) 12.2" (309.9)
KO Trade Size: Sides Back Front Bottom	(4) 1", 1¼" (1) 1", 1¼", 1½", (1) 2" (2) 1", 1¼", 1½" (4) 1", 1¼", 1½"	(4) 1", 1¼", 1½" (1) 1", 1¼", 1½", (1) 2" (2) 1", 1¼", 1½" (4) 1", 1¼", 1½"	(4) 1", 1¼" (2) 1", 1¼", 1½", (1) 2" (2) 1", 1¼", 1½", (2) ¾", 1" (5) 1", 1¼", 1½", (2) ¾", 1"	(4) 1", 1¼", 1½" (2) 1", 1¼", 1½", (1) 2" (2) 1", 1¼", 1½", (2) ¾", 1" (5) 1", 1¼", 1½", (2) ¾", 1"
Side View Depth behind mounting plate 	X - 1.01" Y - 2.41" Z - 3.51"	X - 2.37" Y - 3.77" Z - 3.65"	X - 1.02" Y - 2.42" Z - 3.50"	X - 2.37" Y - 3.81" Z - 3.72"
Accepts industry standard size wallplates (sold separately)	(1) 1-Gang (1) 2-Gang (1) 4-Gang	(1) 1-Gang (1) 2-Gang (1) 4-Gang	(2) 1-Gang (1) 3-Gang (1) 6-Gang	(1) 2-Gang (1) 3-Gang (1) 6-Gang
Interior Configuration				

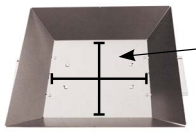
Note: UL File Number E31999. CSA File Number LR18416.

Accessories

On-grade Barrier
The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

CFBOGPAN4





Pour Pan Dimensions:
15.75 in. sq.
4 in. depth

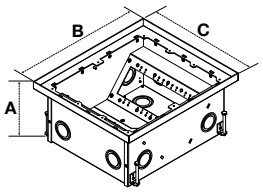
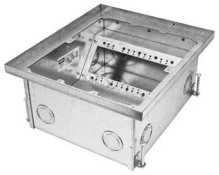
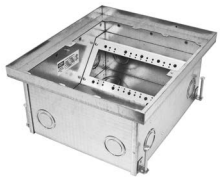
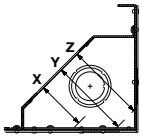
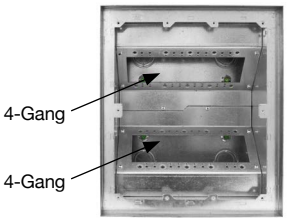
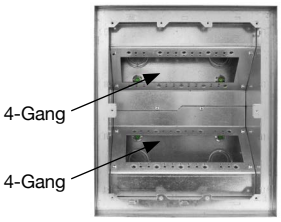
Floor Box Covers

CFB7G Series				CFB11G Series			
 Brass	 Aluminum	 Black	 Stainless Steel	 Brass	 Aluminum	 Black	 Stainless Steel
Flange and cover; Beveled edge for carpet, ¼" Edging				Flange and cover; Beveled edge for carpet, ¼" Edging			
CFB7CVRBRS	**CFB7CVRALU**	**CFB7CVRBLK**	–	**CFB11CVRBRS**	**CFB11CVRALU**	**CFB11CVRBLK**	–
Flange and cover; Square edge for tile, ½" Edging				Flange and cover; Square edge for tile, ½" Edging			
CFB7TBRS	**CFB7TALU**	–	–	**CFB11TBRS**	**CFB11TALU**	–	–
Flange and cover; No Edging*				Flange and cover; No Edging*			
–	–	**CFB7CVRCBLK**	**CFB7CVRCSS**	–	–	**CFB11CVRCBLK**	**CFB11CVRCSS**

Note: Covers provide a recessed area, allowing floor covering to be inserted.
**Not UL Listed or CSA Certified.*

Dimensions in Inches (mm)

Recessed 8-Gang Ballroom Series Floor Boxes

Style		CFB8FC Series	
		8-Gang  **CFB8FC1**	8-Gang  **CFB8FC2**
Application		Carpet	Tile, Finished Concrete
Min. Depth of Pour		6.95" (176.5)	7.15" (181.6)
Adjustability		Before Pour	Before Pour
Dimensions:	A B C	6.95" (176.5) 15.00" (381.0) 13.00" (330.2)	7.15" (181.6) 14.75" (374.7) 12.75" (323.9)
KO Trade Size:	Sides Front & Back Bottom	(4) 1", 1¼", 1½" (4) 1", 1¼", 1½" (4) 1", 1¼", 1½"	(4) 1", 1¼", 1½" (4) 1", 1¼", 1½" (4) 1", 1¼", 1½"
Side View Depth behind mounting plate 		X = 2.27" (57.7) Y = 4.01" (101.9) Z = 3.13" (79.5)	X = 2.27" (57.7) Y = 4.01" (101.9) Z = 3.13" (79.5)
Accepts industry standard size wallplates (sold separately) 4.63" Maximum Cover Height		One, two, three and four gang plates. Customer configuration dependant. 	One, two, three and four gang plates. Customer configuration dependant. 

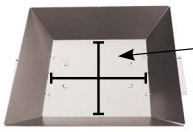
Note: UL File Number E31999.

Accessories

On-grade Barrier
The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

CFBOGPAN4





Pour Pan Dimensions:
15.75 in. sq.
4 in. depth

Covers

	CFB8FC1 Covers		CFB8FC2 Covers	
All ballroom floor box covers are machined from Aluminum and have no additional finish options				
Carpet Cover, with 2 egress doors (0.20" depth)	**CFB8CVRALU1**	–	–	–
Flush cover, with 2 egress doors	–	–	**CFB8CVRALU2**	–
Blank box cover	–	**CFB8JBC1**	–	**CFB8JBC2**
Cover Load Ratings*: Recommended Loading Maximum Load	 20,000 lb 40,000 lb	 20,000 lb 40,000 lb	 20,000 lb 40,000 lb	 20,000 lb 40,000 lb

*Note: *Load applied through 3" (76mm) mandrel in center of cover. Loads are static and don't apply to rolling loads.*

Dimensions in Inches (mm)

Above-Floor Service Fittings (Single Service)

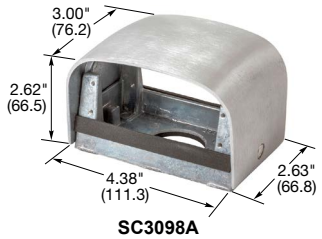
Hubbell offers a variety of above-floor service pedestals to satisfy just about any requirement. Large capacity enables a choice of services—you can even create your own unique pedestal to satisfy specific requirements. Above floor service fittings are ideal for furniture feed applications.

Pedestals – Metallic – LO-CON (single service only)

Traditional metallic pedestals with die-cast aluminum frame, brushed aluminum housing and stainless steel faceplates. These pedestals are offered as component parts. They mount on floor box covers or floor deck/duct systems with ¾ inch or 1 inch threaded openings.

Create Pedestal – Create your own pedestal to meet specific service requirements. Order housing, face plates and devices separately.

Description	Catalog Number
Frame, housing, ¾ in. chase nipple, without plates.	**SC3098A**
Frame, housing, 1 in. chase nipple, without plates.	**SC3099A**
Blank plate.	**SS309B**
Telephone bushing with 1 in. I.D. and (2) ⅜ in. KO for coax.	**SS309T**
Single receptacle plate with 1.39 in. (35.3) opening.	**SS309S**
Duplex receptacle plate.	**SS309D**
Style Line® decorator plate.	**SS309DS**



SC3098A
SC3099A



SS309D



SS309DS

Furniture Feed Plates – Use with SC3098A or SC3099A housings to feed furniture systems in office settings or display cases in retail applications.

Description	Catalog Number
Aluminum plate with ¾ in. trade size knockout.	**SS309SF**
Aluminum plate, blank.	**SS309BF**

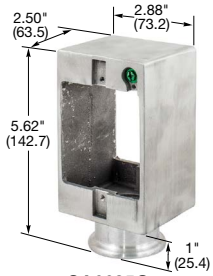
Note: When using SS309SF on Hubbell's LO-CON pedestals, SS309BF must be used on the opposite side.

Pedestals – Specialized Service – Large Capacity Pedestals (single service only)

Designed to accommodate receptacles up to 50A (4-gang only). These brushed aluminum pedestals are furnished with either a ¾ inch or 1 inch hub and are designed for mounting to floor box covers with ¾ inch or 1 inch threaded openings. Create your own unique pedestal with a wide choice of stainless steel plates and devices.

Description (2-Gang Housing)	Catalog Number
2-gang aluminum pedestal, grounded (front and back) with ¾ in. hub.	**SA6685G**
2-gang aluminum pedestal, grounded (front and back) with 1 in. hub.	**SA6686G**

2-Gang



SA6685G
SA6686G

Plate Option – 1-Gang

Description	Catalog Number
Duplex opening.	**SS8**
Style Line® decorator opening.	**SS26**
Single receptacle opening – boss diameter 1.36 to 1.39 in. (34.5 to 35.3).	**SS7**
Single receptacle opening – boss diameter 1.55 to 1.58 in. (39.4 to 40.1).	**SS720**
Blank plate.	**SS13**

Description (4-Gang Housing)	Catalog Number
4-gang aluminum pedestal (2 front and 2 back), with ¾ in. hub.	**SA6687G**
4-gang aluminum pedestal (2 front and 2 back), with 1 in. hub.	**SA6688G**



SS7

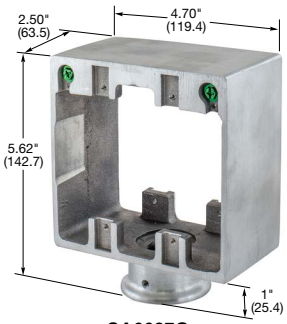


SS720



SS26

4-Gang



SA6687G
SA6688G

Plate Option – 2-Gang

Description	Catalog Number
Two duplex openings.	**SS82**
Two Style Line® decorator openings.	**SS262**
Two single receptacle openings – boss diameter 1.36 to 1.39 in. (34.5 to 35.3).	**SS72**
Single receptacle opening – boss diameter 2.41 to 2.44 in. (61.2 to 62.0).	**SS701**
Single receptacle opening – boss diameter 2.09 to 2.13 in. (53.1 to 54.1).	**SS703**
Blank plate.	**SS23**



SS82



SS262

Dimensions in Inches (mm)

Features and Benefits

Convention Center Utility Boxes

Painted Galvanized Steel Box (14 Gauge G90)

- Cost effective, corrosion resistant paint. Suitable for both on and above-grade applications

Stainless Steel Box (14 Gauge 304)

- Corrosion resistant enclosure suitable for both on and above-grade applications

Listings/Requirements

- UL Listed and CSA Certified
- Meets UL514 requirements for scrubwater and prevents water, dirt and debris from entering the electrical devices



Painted Galvanized Steel Box

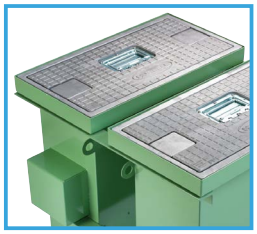


Stainless Steel Box

Power and Data Panels*

Custom manufactured and pre-wired to your project specifications. Panel options include 100A pin and sleeve, 20A and 30A Twist-Lock®, 20A GFCI, isolated ground or industrial straight blade devices. Optional circuit breaker protection is available. Up to two gangs available for audio/video/data communication requirements. Both power and data panels are shipped separately after the boxes have been set in concrete.

*Note: *Contact Hubbell for available configurations of power and data panels.*



Box Design

- Separate enclosure to keep water away from electrical components
- Hooks for tying onto rebar
- 2-gang low voltage compartment
- Custom built panels that accept a wide variety of electrical configurations



Cover Design

- Heavy duty covers, 32,000 lb. load capacity with 2x safety factor



Adjustability

- 4 inch pre-pour adjustability



Air/Water Only Inside View

- Separate enclosure for compressed air/water utilities, prevents air and water from coming in contact with electrical services
- 2 inch drain



Stand Alone Power/Data Box

- Custom manufactured and pre-wired to your project specifications
- Optional circuit breaker protection is available
- Up to 2-gangs available for audio/video/data communication requirements



Power/Data Box Inside View

- Up to 2-gangs of data
- 20A and 30A devices
- Circuit breakers
- Up to 100A pin and sleeve
- 150A maximum capacity
- Boxes do not ship with power/data panels

*Note: *Contact Hubbell for available configurations of power and data panels.*

Convention Center Utility Boxes

Metallic Convention Center Utility Boxes*

Steel Convention Center Utility Box	Painted Galvanized Steel Box	Stainless Steel Box
with Cover for Power and Data/Communications.	**HBLSCCUBPD**	**HBLSCCUBPDSS**
with Cover for Power, Data/Communications and Air/Water Box.	**HBLSCCUBPDW**	**HBLSCCUBPDWSS**
with Cover for Air/Water Only.	**HBLSCCUBW**	**HBLSCCUBWSS**

Note: UL File Number E302222.
**All boxes provided with temporary galvanized steel concrete covers.*

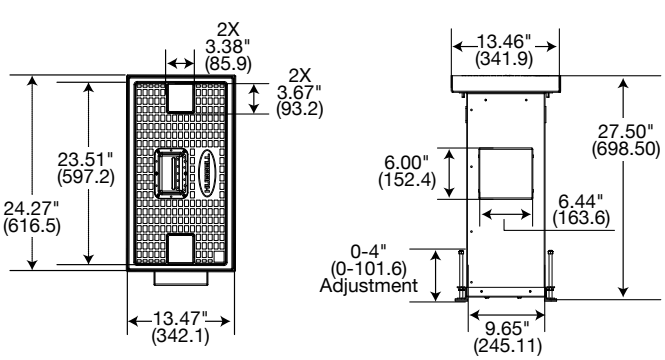


Painted Galvanized Steel Low Voltage Panel

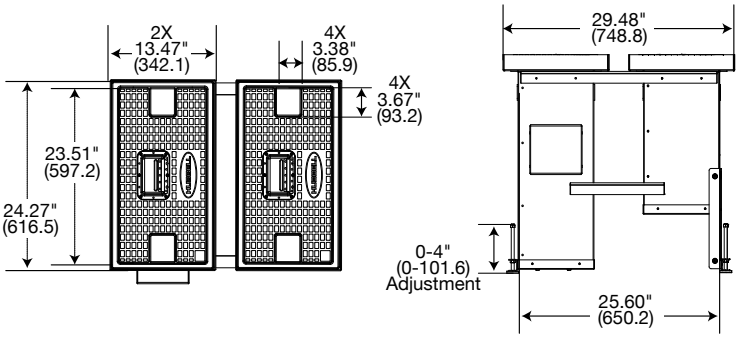
Description	Catalog Number
Data Panel, 2-Gang, 12 Ports	**HBLSBDPCC**

Painted Galvanized or Stainless Steel Metallic Box

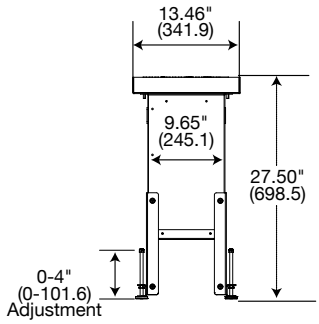
Stand Alone Power/Data
HBLSCCUBPD (Painted Galvanized)
HBLSCCUBPDSS (Stainless Steel)



Combination Power/Data/Water
HBLSCCUBPDW (Painted Galvanized)
HBLSCCUBPDWSS (Stainless Steel)

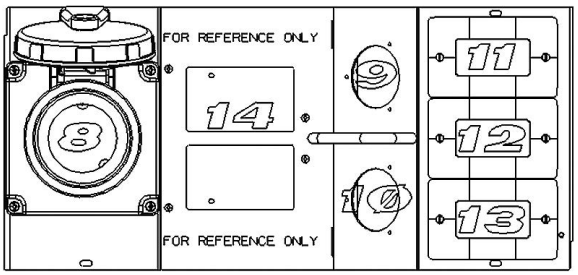


Stand Alone Water/Air Box
HBLSCCUBW (Painted Galvanized)
HBLSCCUBWSS (Stainless Steel)



Pre-Wired Power Panels

Convention Center Power Panels are custom built to order and pre-wired in the factory to make installation quick and easy. Please contact the factory to configure a power panel for your specific needs.



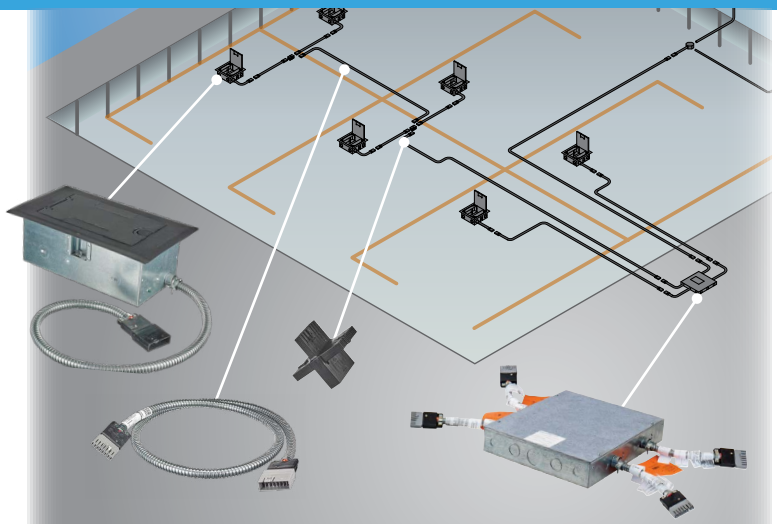
Position	Device Options**
8	Qty. (1) Pin and Sleeve Receptacle, 60A or 100A.
9 & 10	Qty. (2) Twist-Lock® Receptacles (20A or 30A).
11,12,13	Qty. (3) Duplex Receptacles (20A Standard, GFCI or Isolated Ground).
14	Load Center for Circuit Breakers, 8-Pole Positions Max.

*Note: **Contact Hubbell for available configurations of power and data panels.*

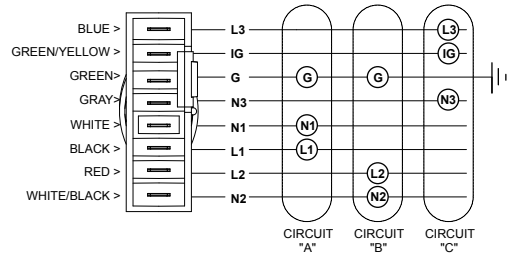
Dimensions in Inches (mm)

CONNEXION Zone Distribution System

The Hubbell CONNEXION 2.0 Zone Distribution System is a factory assembled, flexible, modular plug-n-play system with Hubbell AFB Series Boxes that delivers power in raised floor installations. This unique system increases the value of the infrastructure and meets the challenges posed by new construction and renovation in commercial offices, retail outlets and educational facilities. By improving cable management, enhancing flexibility, and reducing administration expense, the CONNEXION 2.0 Zone Distribution System allows power needs to be addressed in a timely and effective manner. The basic CONNEXION 2.0 building blocks are shown below.



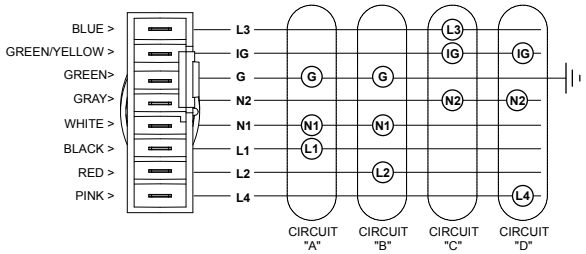
3/3/2 System Configuration (3-Hots, 3-Neutrals, 2-Grounds)



Appropriate for a 120/208 volt 3ØY power distribution and dedicated neutrals are desired.

- Three circuit capacity.
- Isolated ground capability for sensitive equipment.
- Each circuit has its own #12 AWG neutral.
- Component Rating: 20 amperes at 120/208 volt.
- 8-Wires (3 hots, 3 neutrals, 1 equipment ground, 1 isolated ground).

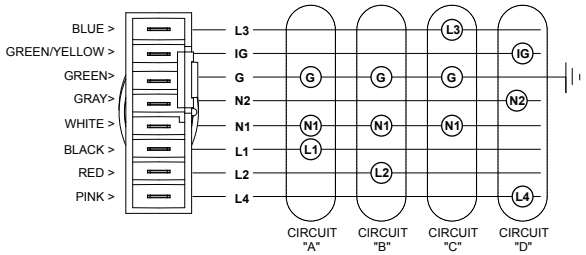
4/2/2 System Configuration (4 Hots, 2 Neutrals, 2 Grounds) 2 + 2 Wiring Configuration



Appropriate in areas where shared neutral conductors are utilized.

- Two circuits share one #10 AWG neutral to manage harmonics for general purpose.
- Two additional circuits share one #10 AWG neutral to manage harmonics for general purpose.
- Isolated ground capability for sensitive equipment.
- Component Rating: 20 amperes at 120/208 volt.
- 8-Wires (4 hots, 2 neutrals, 1 equipment ground, 1 isolated ground).

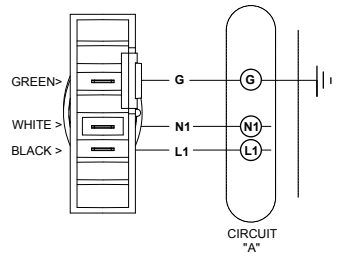
4/2/2 System Configuration (4 Hots, 2 Neutrals, 2 Grounds) 3+ 1 Wiring Configuration



Appropriate in areas where shared neutral conductors are utilized.

- Three circuits share #10 AWG neutral to manage harmonics for general purpose.
- One circuit on dedicated #10 AWG neutral for sensitive equipment.
- Isolated ground capability for sensitive equipment.
- Component Rating: 20 amperes at 120/208 volt.
- 8-Wires (4 hots, 2 neutrals, 1 equipment ground, 1 isolated ground).

1/1/1 System Configuration (1 Hot, 1 Neutral, 1 Ground)



- One circuit capacity.
- Component Rating: 20 amperes at 120/208 volt.
- 3-Wires (1 hot, 1 neutral, 1 equipment ground).

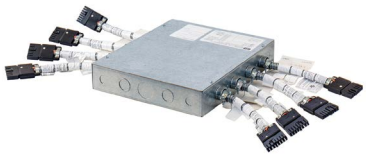
Note: Contact factory for custom wiring configurations.

CONNEXION Zone Distribution System

2.0 Zone Boxes

Zone Box Part Number	Wiring Configuration	Output Whips	Total Number of Circuits per Box	Circuits per Whip	Home Run Connection Type
ZB332C3W1POUT*	332	1	3	3	Wire nuts to open leads
ZB332C6W2P	332	2	6	3	Wire nuts to open leads
ZB332C12W4P	332	4	12	3	Wire nuts to open leads
ZB332C3W2TC	332	2	3	3	Single Screw down terminal block
ZB332C3W4TC	332	4	3	3	Single Screw down terminal block
ZB332C6W2TM	332	2	6	3	Multi Screw down terminal block
ZB332C12W4TM	332	4	12	3	Multi Screw down terminal block
ZB422S2C4W1POUT*	422, 2+2	1	4	4	Wire nuts to open leads
ZB422S2C8W2P	422, 2+2	2	8	4	Wire nuts to open leads
ZB422S2C16W4P	422, 2+2	4	16	4	Wire nuts to open leads
ZB422S2C4W2TC	422, 2+2	2	4	4	Single Screw down terminal block
ZB422S2C4W4TC	422, 2+2	4	4	4	Single Screw down terminal block
ZB422S2C8W2TM	422, 2+2	2	8	4	Multi Screw down terminal block
ZB422S2C16W4TM	422, 2+2	4	16	4	Multi Screw down terminal block
ZB422S3C4W1POUT*	422, 3+1	1	4	4	Wire nuts to open leads
ZB422S3C8W2P	422, 3+1	2	8	4	Wire nuts to open leads
ZB422S3C16W4P	422, 3+1	4	16	4	Wire nuts to open leads
ZB422S3C4W2TC	422, 3+1	2	4	4	Single Screw down terminal block
ZB422S3C4W4TC	422, 3+1	4	4	4	Single Screw down terminal block
ZB422S3C8W2TM	422, 3+1	2	4	4	Multi Screw down terminal block
ZB422S3C16W4TM	422, 3+1	4	16	4	Multi Screw down terminal block
ZB111C1W1POUT*	111	1	1	1	Wire nuts to open leads
ZB111C2W2P	111	2	2	1	Wire nuts to open leads
ZB111C4W4P	111	4	4	1	Wire nuts to open leads
ZB111C6W6P	111	6	6	1	Wire nuts to open leads
ZB111C8W8P	111	8	8	1	Wire nuts to open leads
ZB111C1W2TC	111	2	1	1	Single Screw down terminal block
ZB111C1W4TC	111	4	1	1	Single Screw down terminal block
ZB111C1W6TC	111	6	1	1	Single Screw down terminal block
ZB111C1W8TC	111	8	1	1	Single Screw down terminal block
ZB111C2W2TM	111	2	2	1	Multi Screw down terminal block
ZB111C4W4TM	111	4	4	1	Multi Screw down terminal block
ZB111C6W6TM	111	6	6	1	Multi Screw down terminal block
ZB111C8W8TM	111	8	8	1	Multi Screw down terminal block

*Note: ****OUT*** *suffix denotes single whip output zone box, which will not be further expanded.*



Zone distribution Boxes are the core of the Connexion 2.0 system. They serve as the main interface between the conventionally connected electrical system and the labor saving Connexion 2.0 system. With a large array of knock outs, they can accept most conduit sizes when run from the circuit breaker panel. They also accept labor saving Homerun cables as part of the Connexion 2.0 system. With depth of 3 inches, the zone boxes will fit in almost any raised flooring system. Custom configurations are also available. Contact Hubbell Wiring Systems for ordering information.

2.0 Furniture Feeds

Furniture feeds are junction boxes which come with a pre attached power “IN” connector allowing transition to building hard-wiring underneath the raised floor.

Zone Box Part Number	Wiring Configuration	Output Whips	Total Number of Circuits per Box	Circuits per Whip	Home Run Connection Type
ZB332C3W1PIN	332	1	3	3	Wire nuts to open leads
ZB422S2C4W1PIN	422, 2+2	1	4	4	Wire nuts to open leads
ZB422S3C4W1PIN	422, 3+1	1	4	4	Wire nuts to open leads
ZB111C1W1PIN	111	1	1	1	Wire nuts to open leads



2.0 Splitters

Distributes all cable conductors to up to three locations (one “IN”, three “OUTS”) to increase the amount of floor boxes fed from a singe Zone Distribution Box output whip.

Catalog Number	Wires	Hot Circuits
SP31	3	1
SP83	8	3
SP84	8	4

2.0 Extender Cables

Hubbell Connexion 2.0 extender cables have male (power "IN") / female (power "OUT") ends allowing them to be connected in the field as needed. Available in three different versions, 422, 332, and 111, in 5 ft. increments up to 30 ft.

422 Family	332 Family	111 Family	Length	Connectors
CEXT422MFL01	**CEXT332MFL01**	**CEXT111MFL01**	1 ft.	Male / Female
CEXT422MFL05	**CEXT332MFL05**	**CEXT111MFL05**	5 ft.	Male / Female
CEXT422MFL10	**CEXT332MFL10**	**CEXT111MFL10**	10 ft.	Male / Female
CEXT422MFL15	**CEXT332MFL15**	**CEXT111MFL15**	15 ft.	Male / Female
CEXT422MFL20	**CEXT332MFL20**	**CEXT111MFL20**	20 ft.	Male / Female
CEXT422MFL25	**CEXT332MFL25**	**CEXT111MFL25**	25 ft.	Male / Female
CEXT422MFL30	**CEXT332MFL30**	**CEXT111MFL30**	30 ft.	Male / Female
CEXT422FWL01	**CEXT332FWL01**	**CEXT111FWL01**	1 ft.	Female / Open
CEXT422FWL01XP*	**CEXT332FWL01XP***	**CEXT111FWL01XP***	1 ft.	Female / Open
CEXT422MWL01	**CEXT332MWL01**	**CEXT111MWL01**	1 ft.	Male / Open
CEXT422MWL01XP*	**CEXT332MWL01XP***	**CEXT111MWL01XP***	1 ft.	Male / Open
CEXT422MWL05	**CEXT332MWL05**	**CEXT111MWL05**	5 ft.	Male / Open
CEXT422MWL15	**CEXT332MWL15**	**CEXT111MWL15**	15 ft.	Male / Open

*Note: *Standard lead length is 12 in. long.* ***XP*** *Suffix denotes 18 in. long leads for installments requiring extra-long wires.*

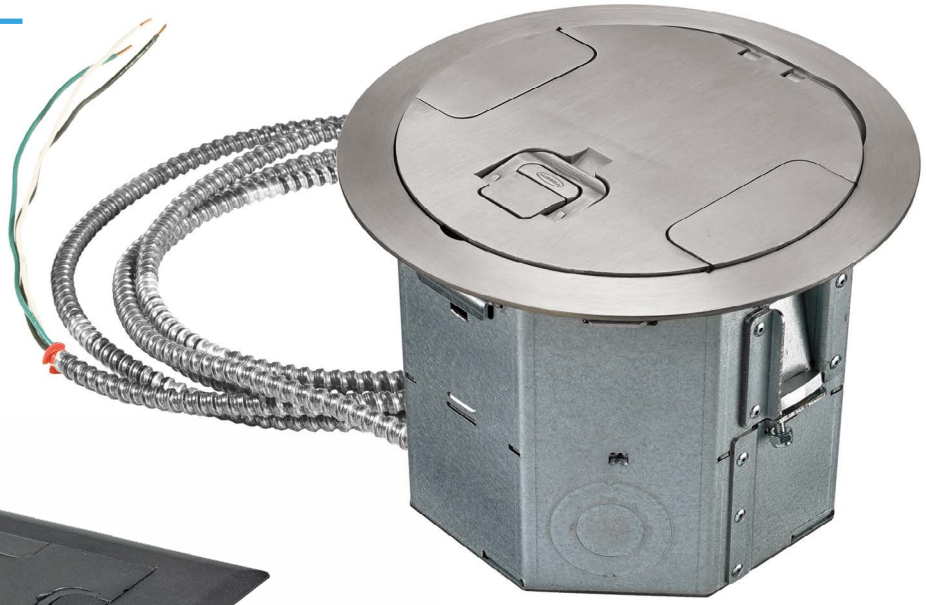




Custom Pre-Wired Access Floor Boxes

Cover

- 180° cover opening
- Two large cable egress doors
- Die cast aluminum construction
- Five powder coat finishes
- ADA compliant





Box

- 16 gauge galvanized sheet metal construction

Cable Whip

- Wire leads for field termination
- Pre-wired cable whip

Features and Benefits

- Reduce job site fabrication time and installation labor
- Access Floor Box pre-wired to your specifications
  - Choose from Hubbell quality devices
  - Single or multiple circuit wiring configurations
  - Various cable lengths
- Reduce job site waste
- Pigtail terminates beneath raised floor
- Box covers available in five finishes
- UL Listed Wiring Assembly, file number E305156

Pre-Wired Raised Access Floor Box Options - Contact Hubbell Wiring Systems for Ordering Information

Box Series	Description	Cover Style	Cut Out Dimensions	Conduit Knockouts
AFB2G25PW	2-Gang, 2½" Depth	Rectangular	6¾" x 13⅛"	½" – ¾"
AFB2G50PW	2-Gang, 5.0" Depth	Rectangular	6¾" x 13⅛"	½" – 2"
AFB4G25PW	4-Gang, 2½" Depth	Rectangular	11¼" x 11⅛"	½" – ¾"
AFB4G50PW	4-Gang, 5.0" Depth	Rectangular	11¼" x 11⅛"	½" – 2"
AFB10G55PW	10-Gang, 5½" Depth	Rectangular	11" x 11¼"	½" – 2"
RAFB4PW	4-Gang, 8.0" Depth	Round	8" Diameter	½" – 2"

Products at a Glance

Featuring the unique capabilities of Hubbell's SystemOne universal cover and sub-plate design, Hubbell has expanded its floor box offering to provide industry leading flexibility while accommodating an extensive range of applications. Hubbell SystemOne is constructed to give customers the ability to create personal solutions for their most demanding, power, data and audio/video requirements.

SystemOne Recessed Raised Access and Wood Floor Applications…



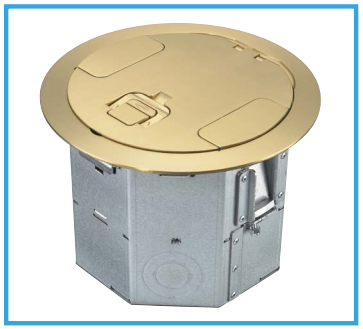
2-Gang Rectangular

Ideal for applications that call for basic power and data/AV requirements. The 2-gang boxes can be used as an access point to electrical or data connections, or as a furniture feed to power interior furniture partitions. Available in two box depths, the 2 ½ in. depth works well in floors using short pedestals; the 5 in. depth is ideal for furniture feed applications. The rectangular covers are available in assorted finishes to enhance any design scheme.



4-Gang Rectangular

The Hubbell SystemOne 4-Gang Recessed Raised Access or Wood Floor Box delivers AV plus power. Similar to the 2-gang recessed raised access floor box, the 4-gang 2 ½ inch box depth provides a solution for floors using short pedestals. The 5 inch depth is ideal for applications with a lot of requirements. Rectangular covers in a variety of finishes will match any existing or new style.



4-Gang Round

With an 8 in. diameter, the Hubbell SystemOne 4-Gang Round Recessed Floor Box is ideal for use in raised access floors with pre-cut tile or wood floor coverings. With a variety of finish selections, the round covers blend in with the flooring and overall design of the building. Deep, 2 ¾ in. wiring compartments are ready to accommodate today's most advanced, high-performance power, data and AV needs to supply reliable connectivity.



10-Gang Rectangular

Designed to serve high-capacity, multi-service applications, the 10-gang floor box supports installation with an array of Hubbell power, data and AV devices. Third-party mounting plates are available for other manufacturers' devices, including Extron®, Crestron® and FSR®. A 5 ½ in. box depth offers great capacity for connectivity, with the ability accept 2 in. conduit to meet growing AV and data needs. The rectangular covers come in a variety of colors and finishes to enhance any building's design.

Cover

- 180° cover opening
- Two large cable egress doors
- Listed to UL 514A and UL scrubwater compliant
- Die cast aluminum cover construction
- Available in round, rectangular and furniture feed styles
- All covers are ADA compliant

Rectangular Boxes

- 16 gauge galvanized sheet metal
- 6 in. solid conductor ground pigtail in each gang
- Many boxes allow for 2 in. conduits
- Mounts in tiles ¾ in. to 2 in. thick
- Patent pending, labor saving, easy mount device plates
- Plenum rated box assemblies

Round Box

- Fits in 8 in. diameter air diffuser holes
- 16 gauge galvanized sheet metal construction
- Individual grounding screws for each gang
- 2 in. knock-out on the bottom allows for large amounts of data and/or AV devices
- Mounts in tiles ¾ in. to 2 in. thick
- Plenum rated box assemblies

Pre-Wired Assemblies

- AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system as shown on page O-38 and O-39
- Plenum rated box assemblies
- Contact Hubbell Territory Manager for details

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Floor Boxes

Selecting a SystemOne Recessed Raised Access or Wood Floor Box

To assist with the floor box selection process please have the following information available:

Electrical requirements:	Box depth	Cover style:
Power (each electrical device requires one gang) Data/AV (consult manufacturers' specification for size/volume requirements), number required. Add up total number to determine needed capacity. If necessary capacity is not shown round up to next size. Example: 9-Gang rounds up to a 10-Gang floor box.	Determine maximum tile thickness and stantion height and add together. Box depth can not exceed total.	Round Rectangular

Once this information is gathered start on the right column "capacity" select necessary box, then select the concrete pour depth and on-grade or above-grade application, and finally cover style. Locate inter connecting point of all three categories and move to right to select correct catalog number.

① Capacity: Select necessary box.

② Box Depth: Determine maximum possible depth (tile and stantion height total) and select a depth less than the calculated height.

③ Cover Style: Select Round or Rectangular, not all box sizes are available in round.

④ Locate interconnecting point of all three categories and move to right to select correct catalog number.

Capacity ①		Box Depth ②						Select Correct Catalog Number ④
		2 ½ in.		5 in.		5 ½ in.	6 ¼ in.	
2-Gang		•	•					AFB2G25
		•	•					AFB2G25CHI
				•	•			AFB2G50
				•	•			AFB2G50CHI
4-Gang		•						AFB4G25
		•						AFB4G25CHI
				•				AFB4G50
				•				AFB4G50CHI
							•	RAFB4BASE
10-Gang						•		AFB10G55
						•		AFB10G55CHI
		Rectangular	Furniture Feed	Rectangular	Furniture Feed	Rectangular	Round	
		Cover Style ③						









Floor Boxes

Features and Benefits

SystemOne Recessed Benefits and Enhancements



Functionality

- Cables and connections are protected by recessed functionality
- Open architecture sub-plate design
- Dirt ingress reduced by egress door brushes
- Meets UL 514A scrubwater requirements with ScrubShield® technology
- Easy selection with common flange for all floor types
- Round and rectangular box versions available
- Plenum rated box assemblies

Value

- Enhance building décor with numerous finishes
- Increase durability and longevity with cast aluminum covers
- AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

Online Resources

- BIM models, customer drawings and technical specifications are available on www.hubbell-wiring.com



Safety

- Low profile flanges meet ADA requirements
- Hide-away egress doors fold under cover while in use
- 180° opening of main doors



Covers

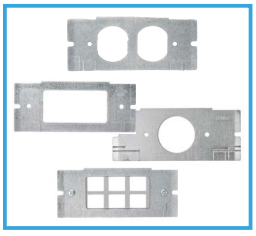
- Die cast construction available in five finishes
- Furniture feed includes one 2 in. conduit hub and one 1 in. conduit hub with reducer to ¾ in.
- Maximum static load of 800 lbs. with 2x safety factor*

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*



Rectangular Floor Boxes

- Standard or Chicago version available
- Temporary cover included



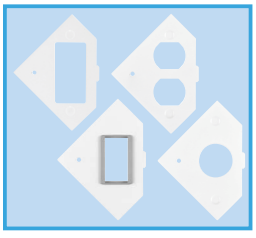
Plates

- For use with 2, 4 and 6-gang floor boxes
- Easy single screw mounting



Round Floor Boxes

- Corrosion resistant
- Temporary cover included



RAFB4 Plates

- All RAFB4SP series plates are powder coat white

Visit web site for information on Hubbell's Pre-wired, Plug and Play, Connexion System.

SystemOne Recessed 2-Gang Rectangular Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system



Aluminum Powder Coat



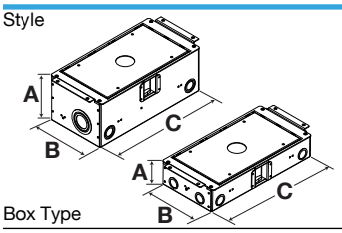
Black Powder Coat



Bronze Powder Coat



Brass Powder Coat

Style / Box Type			
Standard Chicago (No Knockouts)		**AFB2G50** **AFB2G50CHI**	**AFB2G25** **AFB2G25CHI**
Minimum Depth from Top of Floor Tile		5.32" (135.1)	2.88" (73.2)
Cubic Inch (cm3) Capacity per Gang		60 cu. in. (980 cm^3)	30 cu. in. (491.7 cm^3)
Furniture Feed; Cubic Inch (cm^3) Capacity per Chamber		135 cu. in. (2212.2 cm^3)	78 cu. in. (1288.3 cm^3)
Dimensions – A		5.12" (130.1)	2.68" (68.2)
Dimensions – B		6.32" (160.5)	6.32" (160.5)
Dimensions – C		12.82" (325.6)	12.82" (325.6)
KO Trade Size: Ends Sides Bottom		(2) ½", (2) 1", 1¼", 1½", 2" (4) ½", ¾", 1", 1¼" (4) ½", ¾", 1", 1¼"	(4) ½", ¾" (4) ½", ¾" (2) ½", ¾", (2) 1", 1¼"
Floor Thickness		.62- 2.12" (15.7- 53.8)	.62- 2.12" (15.7- 53.8)
Cover Family		Rectangular	Rectangular
Temporary Cover Included		✓	✓

Note: UL File Number E31999.

Rectangular Covers (for use with raised access tiles and wood floors)

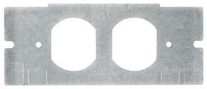
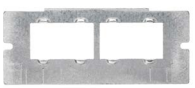
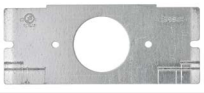
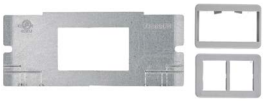
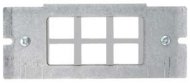
- Die cast construction available in five finishes
- Furniture feed includes one 2 in. conduit hub and one 1 in. conduit hub with reducer to ¾ in.
- Maximum static load of 800 lbs. with 2x safety factor*
- Furniture Feed Covers ship with low voltage dividers

	Surface Cover Dimensions 15 in. x 8¾ in.		
Finish	Without Insert	With Insert	Furniture Feed
Aluminum Powder Coat	**2GAFBCVRALU**	**2GAFBCVRALUC**	**2GAFBFFCVRALU**
Black Powder Coat	**2GAFBCVRBK**	**2GAFBCVRBKC**	**2GAFBFFCVRBK**
Brass Powder Coat	**2GAFBCVRBRS**	**2GAFBCVRBRSC**	**2GAFBFFCVRBRS**
Bronze Powder Coat	**2GAFBCVRBRZ**	**2GAFBCVRBRZC**	**2GAFBFFCVRBRZ**
Satin Nickel Powder Coat	**2GAFBCVRNK**	**2GAFBCVRNKC**	**2GAFBFFCVRNK**

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Plates - for use in 2 and 4-Gang Floor Boxes

- UL 514A listed

Plate Style	(1) Decorator Opening	(1) Duplex Opening	(2) Extron® MAAP Openings	(2) Extron® Openings	(2) 1U Hubbell iStation Openings
Cat. No.	**FBMPREC**	**FBMPDUP**	**FBMPMAAP**	**FBMPAAP**	**FBMP2IM**
					
Plate Style	(1) 1.5U Hubbell iStation Opening	(1) Simplex Opening 1.40 in. Diameter	(1) Twist-Lock® Opening 1.60 in. Diameter	1-Gang Blank	Cable Feed Through with Bushing
Cat. No.	**FBMP15IM**	**FBMP139**	**FBMP156**	**FBMPBNK**	**FBMPFT**
					
Plate Style	(1) Opening for TracJack® or Series II®	(2) Hubbell Jack Openings and (4) Jack KOs w/Label Field	(1) Opening with Hubbell ISF6 Frame for Keystone Jacks		
Cat. No.	**FBMPTRAC**	**FBMP6DJ**	**FBMP6KS**		
					

Dimensions in Inches (mm)

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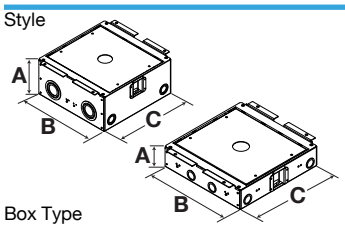
ScrubShield® Complies with UL514A

SystemOne Recessed 4-Gang Rectangular Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system





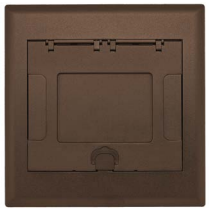


Standard Chicago (No Knockouts)	**AFB4G50** **AFB4G50CHI**	**AFB4G25** **AFB4G25CHI**
Minimum Depth from Top of Floor Tile	5.37" (136.4)	2.88" (73.2)
Cubic Inch (cm^3) Capacity per Gang	57.5 cu. in. (940 cm^3)	26.5 cu. in. (434.3 cm^3)
Dimensions – A	5.18" (131.4)	2.69" (68.3)
Dimensions – B	11.11" (282.2)	11.11" (282.2)
Dimensions – C	10.90" (276.9)	10.90" (276.9)
KO Trade Size: Ends Sides Bottom	(2) ½", (4) 1", 1¼", 1½", 2" (4) ½", ¾", 1", 1¼" (4) ½", ¾", 1", 1¼"	(4) ½", ¾" (4) ½", ¾" (4) ½", ¾", (4) 1", 1¼"
Floor Thickness	.62- 2.12" (15.7- 53.8)	.62- 2.12" (15.7- 53.8)
Cover Family	Rectangular	Rectangular
Temporary Cover Included	✓	✓

Note: UL File Number E31999.


Aluminum Powder Coat


Black Powder Coat


Bronze Powder Coat


Brass Powder Coat

Rectangular Covers (for use with raised access tiles and wood floors)

- Die cast construction available in five finishes
- UL 514A listed
- Maximum static load of 1500 lbs. with 2x safety factor*

	Surface Cover Dimensions 13 in. x 13¼ in.	
Finish	Without Insert	With Insert
Aluminum Powder Coat	**4GAFBCVRALU**	**4GAFBCVRALUC**
Black Powder Coat	**4GAFBCVRBK**	**4GAFBCVRBKC**
Brass Powder Coat	**4GAFBCVRBRS**	**4GAFBCVRBRSC**
Bronze Powder Coat	**4GAFBCVRBRZ**	**4GAFBCVRBRZC**
Satin Nickel Powder Coat	**4GAFBCVRNK**	**4GAFBCVRNKC**

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Accessories

Description	Catalog Number
AFB4G series replacement dividers.	**AFB4GDIVKIT**



Plates - for use in 2 and 4-Gang Floor Boxes

- UL 514A listed

Plate Style	(1) Decorator Opening	(1) Duplex Opening	(2) Extron® MAAP Openings	(2) Extron® Openings	(2) 1U Hubbell iStation Openings
Cat. No.	**FBMPREC**	**FBMPDUP**	**FBMPMAAP**	**FBMPAAP**	**FBMP2IM**



Plate Style	(1) 1.5U Hubbell iStation Opening	(1) Simplex Opening 1.40 in. Diameter	(1) Twist-Lock® Opening 1.60 in. Diameter	1-Gang Blank	Cable Feed Through with Bushing
Cat. No.	**FBMP15IM**	**FBMP139**	**FBMP156**	**FBMPBNK**	**FBMPFT**

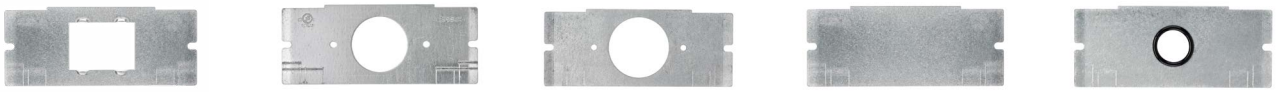
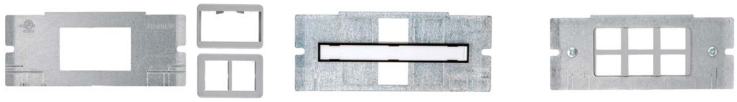


Plate Style	(1) Opening for TracJack® or Series II®	(2) Hubbell Jack Openings and (4) Jack KOs w/Label Field	(1) Opening with Hubbell ISF6 Frame for Keystone Jacks
Cat. No.	**FBMPTRAC**	**FBMP6DJ**	**FBMP6KS**



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Dimensions in Inches (mm)

ScrubShield® Complies with UL514A

SystemOne Recessed 4-Gang Round Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

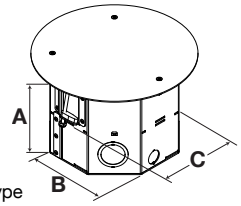


RAFB4NKL
with Devices



RAFB4BRS

Style / Box Type





Round	**RAFB4BASE**
Minimum Depth from Top of Floor Tile	6.47" (164.3)
Cubic Inch (cm^3) Capacity per Gang	28.5 cu. in. (460 cm^3)
Dimensions – A	6.41" (162.9)
Dimensions – B	7.33" (186.2)
Dimensions – C	8.05" (204.6)
KO Trade Size: Sides	(2) ½" (2) ¾", 1½" - Concentric, (2) 1", 1¼" - Concentric
Bottom	(1) 1½", 2" (1) ¾", 1" - Concentric, (1) ¾", 1", 1¼" - Concentric
Floor Thickness	.71" (19.1) - 2.50" (63.5)
Temporary Cover Included	✓
ADA	Flange thickness is ⅛ inches thick and complies with ADA requirements

Note: UL File Number E31999.


Brushed Aluminum


Black Powder Coat


Brass Plated


Bronze Plated


Gray Powder Coat


Stain Nickel Plated

RAFB4 Series – Round Floor Box with Cover

Includes: **RAFB4BASE** and 8 in. cover

Cover Finish	Catalog Number
Brushed Aluminum	**RAFB4ALU**
Black Powder Coat	**RAFB4BLK**
Brass Plated	**RAFB4BRS**
Bronze Plated	**RAFB4BRZ**
Gray Powder Coat	**RAFB4GRY**
Satin Nickel Plated	**RAFB4NKL**

8 Inch Round Covers- * 1,000 lbs. static cover load

Round covers are suitable for use with all floor types

Plate Style	Catalog Number
Brushed Aluminum	**CFBS1R8CVRALU**
Black Powder Coat	**CFBS1R8CVRBLK**
Brass Plated	**CFBS1R8CVRBRS**
Bronze Plated	**CFBS1R8CVRBRZ**
Gray Powder Coat	**CFBS1R8CVRGRY**
Satin Nickel Plated	**CFBS1R8CVRNKL**

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

RAFB4 Series – Plates

- All **RAFB4SP** series plates are powder coat white

Plate Style	(1) Decorator	(1) Duplex	(1) Simplex Opening 1.40 in. Diameter	(1) Twist-Lock® Opening 1.60 in. Diameter	Blank
Cat. No.	**RAFB4SPDECO**	**RAFB4SPDUPLEX**	**RAFB4SPTL14**	**RAFB4SPTL16**	**RAFB4SPBLANK**

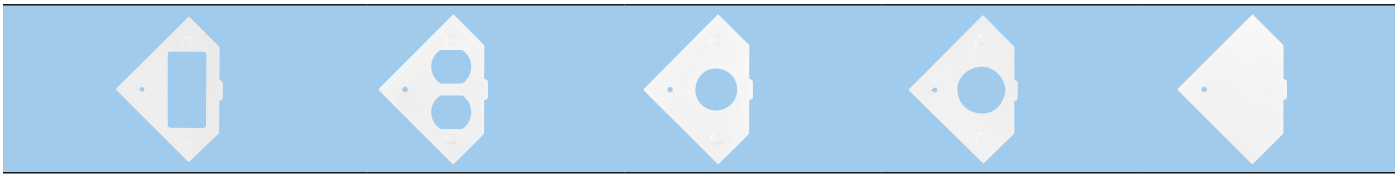
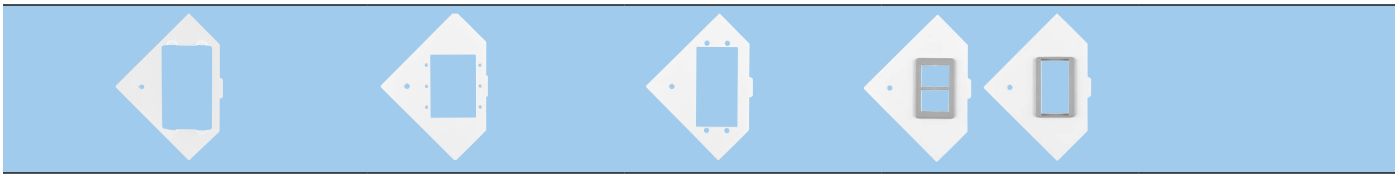


Plate Style	(1) Hubbell iStation Opening for 3 Units	(3) Extron® MAAP Modules	(2) Extron® AAP Modules	Opening to Accept Bezels for Ortronics TracJack®
Cat. No.	**RAFB4SP3UIS**	**RAFB4SP3MAAP**	**RAFB4SP2AAP**	**RAFB4SPORT**



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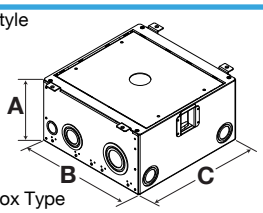
Dimensions in Inches (mm)

ScrubShield® Complies with UL514A

SystemOne Recessed 8*/10-Gang Rectangular Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system





Style / Box Type	
Standard	**AFB10G55**
Chicago (No Knockouts)	**AFB10G55CHI**
Min. Depth from Top of Floor Tile	5.95" (151.1)
Cubic Inch (cm^3) Capacity per Gang	(2) 25 cu. in. (407.9 cm^3), (2) 50 cu. in. (819.4 cm^3), (2) 71 cu. in. (1163.5 cm^3)
Dimensions – A	5.74" (145.9)
Dimensions – B	11.11" (282.2)
Dimensions – C	10.66" (270.7)
KO Trade Size: Ends	(2) ½", ¾", (2) ¾", 1", 1¼", 1½", (2) 1", 1¼", 1½", 2"
Sides	(4) ¾", 1", 1¼", 1½"
Bottom	(2) ½", ¾", (4) ½", ¾", 1", 1¼"
Floor Thickness	.56" (1.2) - 2.12" (53.8)
Cover Family	Rectangular
Temporary Cover Included	✓

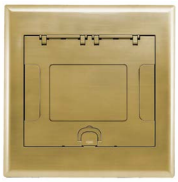
Note: UL File Number E31999.



Cover with Black Powder Coat



Satin Nickel Powder Coat



Brass Powder Coat

Rectangular Covers

(for use with raised access tiles and wood floors)

- Die cast construction available in five finishes
- UL 514A listed
- Maximum static load of 1500 lbs with 2x safety factor**

Finish	Surface Style Covers: Without Insert	With Insert
Aluminum Powder Coat	**10GAFBCVRALU**	**10GAFBCVRALUC**
Black Powder Coat	**10GAFBCVRBK**	**10GAFBCVRBKC**
Brass Powder Coat	**10GAFBCVRBRS**	**10GAFBCVRBRSC**
Bronze Powder Coat	**10GAFBCVRBRZ**	**10GAFBCVRBRZC**
Satin Nickel Powder Coat	**10GAFBCVRNK**	**10GAFBCVRNKC**

*Note: **Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Plates for Use in SystemOne 8*/10-Gang Floor Boxes

Plate Style	(1) Decorator Opening	(1) Duplex Opening	Blank	Decorator Opening Plate Including Hubbell ISF6GY	(2) Openings to Accommodate (6) Ortronics TracJack®
Cat. No.	**FB10MPREC**	**FB10MPDUP**	**FB10MPBNK**	**FB10MPKEY**	**FB10MPTRAC**



Plate Style	(2) Decorator	(2) Duplex Openings	(4) Extron® MAAP Modules	(4) Extron® AAP Modules	For (6) 1U Hubbell iStation Modules	Cable Feed Through with Bushing
Cat. No.	**FB10MP2A**	**FB10MP2E**	**FB10MPMAAP**	**FB10MPAAP**	**FB10MP2B**	**FB10MPFT**



Plate Style	(1) Twist-Lock® Opening 1.60 in. Dia. (Uses 2-Gangs)	(1) Simplex Opening 1.40 in. Dia. (Uses 2-Gangs)	(2) Twist-Lock® Opening 1.60 in. Dia. (Uses 3-Gangs)	(2) Simplex Opening 1.40 in. Dia. (Uses 3-Gangs)	(1) Opening for Appliance Receptacle (Uses 3-Gangs)
Cat. No.	**FB10TLA**	**FB10TLX**	**FB10TLB**	**FB10TLY**	**FB10MP3GAPP**

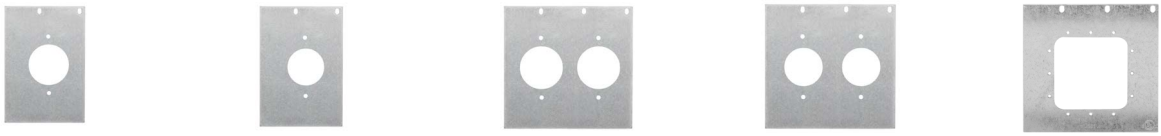


Plate Style	(3) Twist-Lock® Opening 1.60 in. Dia. (Uses 5-Gangs)	(3) Simplex Opening 1.40 in. Dia. (Uses 5-Gangs)	(2) 2-Gang. Meets NEMA Spacing. Ideal for Crestron® DM –TX Product and Power (Uses 5-Gangs)	(4) Single Service Openings Utilizing NEMA Wallplate (Uses 5-Gangs)
Cat. No.	**FB10TLC**	**FB10TLZ**	**FB10MPNEMA2XG***	**FB10MPNEMA4G***



*Note: *Use with FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.*

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FSR® is a registered trademark of FSR Inc. TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Dimensions in Inches (mm)

ScrubShield®
Complies with UL514A

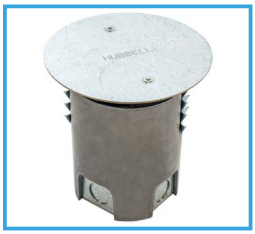
Features and Benefits

SystemOne 4 inch Recessed Floor Box, for Raised Access and Wood Floors

The AFBS1R4 floor box was designed for use in raised access or wood floors. It installs easily into a 4 inch diameter hole and is retained by two sets of retaining barbs on the side. Electrical connections are made below the walking surface to protect the electrical devices and increase safety by reducing tripping hazards. Intended for areas that require basic power requirements - one duplex, a duplex with two data jacks or a quadplex – the unobtrusive design will blend into any setting. Available in six architectural finishes and utilizing a flange that is ADA compliant at 1/8 inch thick, Hubbell SystemOne Floor Boxes harmonize aesthetics with function and safety.

- UL listed, scrubwater compliant
- Plenum rated box assembly
- Factory configurable with CONNEXION modular plug-n-play system





Box Design

- Durable die-cast aluminum box construction
- Flexible single or dual service
- Easily installs in 4 inch diameter hole, 5⅝ inch device depth
- Four ½ inch side knockouts
- One 1, ¾ and ½ inch concentric bottom knockout



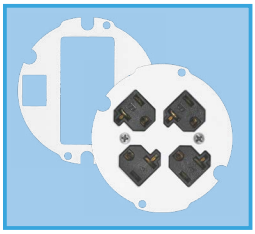
Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



Safety

- Increased safety with recessed connections
- Low profile flanges meet ADA requirements
- Hide-away egress door fold under cover while in use
- 180° opening of main doors



Easy Mount Device Plates

- All S1R4SP series plates are powder coat white



Applications

- Raised access and wood floor applications in commercial and residential buildings



Pre-Wired Assemblies

- AFBS1R4 series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system
- Contact Hubbell Territory Manager for details

ScrubShield® Complies with UL514A

SystemOne 4 inch Recessed Floor Box, for Raised Access and Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

Description	Catalog Number
Floor Box with temporary installation Cover	**AFBS1R4BASE**
Floor Box (AFBS1R4BASE) with Brushed Aluminum Finish Cover (AFBS1R4CVRALU)	**AFBS1R4ALU**
Floor Box (AFBS1R4BASE) with Black Powder Coat Finish Cover (AFBS1R4CVRBLK)	**AFBS1R4BLK**
Floor Box (AFBS1R4BASE) with Plated Brushed Brass Finish Cover (AFBS1R4CVRBRS)	**AFBS1R4BRS**
Floor Box (AFBS1R4BASE) with Plated Antique Bronze Finish Cover (AFBS1R4CVRBRZ)	**AFBS1R4BRZ**
Floor Box (AFBS1R4BASE) with Gray Powder Coat Finish Cover (AFBS1R4CVRGRY)	**AFBS1R4GRY**
Floor Box (AFBS1R4BASE) with Plated Satin Nickel Finish Cover (AFBS1R4CVRNKL)	**AFBS1R4NKL**

Note: UL File Number E31999.

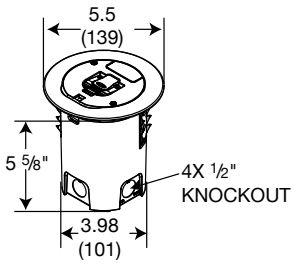


Replacement Parts

Description	Catalog Number
Low Voltage Divider	**AFBS1R4DIV**
Replacement Bottom Knockouts	**AFBS1R4BOTTOM**

Installation

Hole Diameter	4 inch
Bottom Knock out	1 inch, ¾ inch, ½ inch concentric
Side knock out	(4) ½ inch



Covers

- Flange diameter is 5.5 inches
- Flange thickness is 1/8 inches thick and complies with ADA requirements
- Cover load rating is 1,000 lbs, for a static load applied through a 3 inch dia. mandrel with 2x safety factor*

Architectural Covers

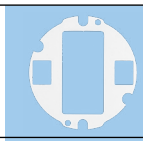
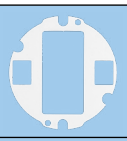
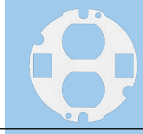
Description / Catalog Number	Cover	Description / Catalog Number	Cover
Brushed Aluminum Finish, Single fold under cable egress door. **AFBS1R4CVRALU**		Plated Antique Bronze Finish, Single fold under cable egress door. **AFBS1R4CVRBRZ**	
Plated Brushed Brass Finish, Single fold under cable egress door. **AFBS1R4CVRBRS**		Plated Satin Nickel Finish, Single fold under cable egress door. **AFBS1R4CVRNKL**	

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Powder Coat Covers

Description / Catalog Number	Cover
Black Powder Coat Finish, Single fold under cable egress door. **AFBS1R4CVRBLK**	
Gray Powder Coat Finish, Single fold under cable egress door. **AFBS1R4CVRGRY**	

Device Mounting Plates

Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate
2X2 Sub-plate with (1) Style Line® decorator device opening and (2) keystone jack openings **S1R4SP2X2STYLE**		(1) Style Line® decorator device opening for power or datacom applications **S1R4SPSTYLE**		2X2 Sub-plate with (1) decorator device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2STYLETJ**	
2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings **S1R4SP2X2DUPLEX**		(1) Duplex device opening for power or datacom applications **S1R4SPDUPLEX**		2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2DUPLEXTJ**	
(4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12 inch wire leads Includes ⏻ stickers. **S1R4SPQUAD**		(1) 1.60 inch opening for 20 or 30A Twist-Lock® receptacle **S1R4SPTWIST**		(1) 1.40 inch opening for simplex receptacle **S1R4SPSIMPLEX**	

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Dimensions in Inches (mm)

ScrubShield® Complies with UL514A

Features and Benefits

SystemOne 6 inch Furniture Feed Floor Box, for Raised Access and Wood Floors

The AFBS1R6FF floor box is designed for use in raised access or wood floors. It installs easily into a 6 inch diameter hole and is retained by two pawl arms which swing outwards when tightened by a screw driver. Providing the lowest profile in the industry, the 1/8 inch flange thickness is ADA complaint. The box can also serve as a wiring chamber for power if needed.

Available in six architectural finishes, Hubbell SystemOne Floor Boxes harmonize aesthetics with function and safety.

- UL listed, scrubwater compliant
- Plenum rated box assembly
- Factory configurable with CONNEXION modular plug-n-play system





Pre-Wired Assemblies

- AFBS1R6 series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system
- Contact Hubbell Territory Manager for details



AFBS1R6BASE



AFBS1R6FFBLK



AFBS1R6FFCVRBRS



AFBS1R6DIV



AFBS1R6GROM



AFBS1R6GATE

6 inch Recessed Floor Boxes

Description	Catalog Number
Floor Box with Temporary Installation Cover	**AFBS1R6BASE**
Floor Box (AFBS1R6BASE) with Brushed Aluminum Finish Cover (AFBS1R6FFCVRALU)	**AFBS1R6FFALU**
Floor Box (AFBS1R6BASE) with Black Powder Coat Finish (AFBS1R6FFCVRBLK)	**AFBS1R6FFBLK**
Floor Box (AFBS1R6BASE) with Plated Brushed Brass Finish Cover (AFBS1R6FFCVRBRS)	**AFBS1R6FFBRS**
Floor Box (AFBS1R6BASE) with Plated Antique Bronze Finish Cover (AFBS1R6FFCVRBRZ)	**AFBS1R6FFBRZ**
Floor Box (AFBS1R6BASE) with Gray Powder Coat Finish Cover (AFBS1R6FFCVRGRY)	**AFBS1R6FFGRY**
Floor Box (AFBS1R6BASE) with Plated Satin Nickel Finish Cover (AFBS1R6FFCVRNKL)	**AFBS1R6FFNKL**

Note: UL File Number E31999.

6 Inch Round Covers

- Flange Diameter 7.5 inches
- Flange thickness is 1/8 inches thick and complies with ADA requirements
- Cover load rating is 1,000 lbs, for a static load applied through a 3 inch dia. mandrel with 2x safety factor*

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

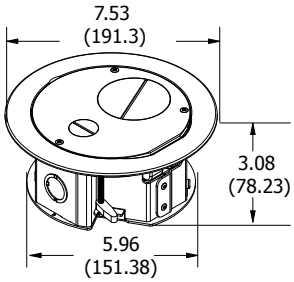
Finish	Catalog Number
Brushed Aluminum	**AFBS1R6FFCVRALU**
Black Powder Coat	**AFBS1R6FFCVRBLK**
Brass Plated	**AFBS1R6FFCVRBRS**
Bronze Plated	**AFBS1R6FFCVRBRZ**
Gray Powder Coat	**AFBS1R6FFCVRGRY**
Satin Nickel Plated	**AFBS1R6FFCVRNKL**

Replacement Parts

Description	Catalog Number
Low Voltage Divider	**AFBS1R6DIV**
Low Voltage Grommet	**AFBS1R6GROM**
Low Voltage Gate	**AFBS1R6GATE**

Installation

Hole Diameter	6 inch
Bottom low Voltage Knock out	2 inch
Side low voltage entry	Removable gate, area equal to 2 inch conduit
Bottom Power Knock out	¾" ½" concentric
Side Power knock out	¾" ½" concentric
Fastening	2 pawl arms



Dimensions in Inches (mm)

SystemOne Fire-Rated Poke-Through and Floor Box Recessed Covers



Two Concrete Floor Applications

Fire-Rated Poke-Throughs are used when the conduits can't be installed in the concrete floor and for tenant improvements.



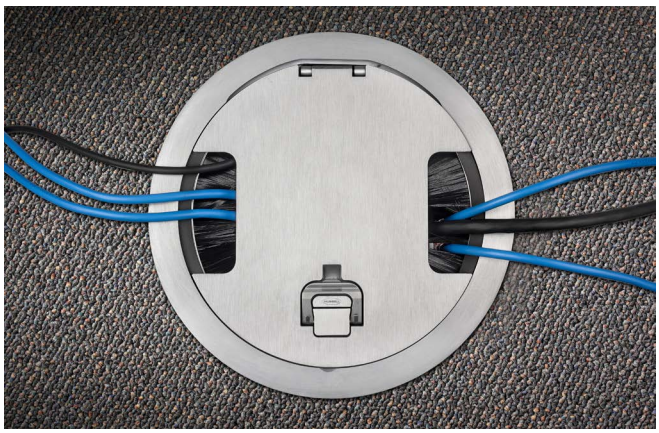
Floor boxes in concrete applications are used when the connecting conduits can be installed into the concrete floor.



Same Results!

Dynamic Round low profile durable covers

Recessed Cover Activation



or Furniture Feed Cover Activation



SECTION P

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Hubbell SystemOne Multi-Service Applications



Hubbell Pedestal Multi-Service Applications



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Hubbell SystemOne Recessed FRPTs

Hubbell's SystemOne Recessed Fire-Rated Poke-Throughs (FRPT) enhance functionality providing increased power, data and AV capacity. Safety is improved with recessed connectivity, a low profile flange, and egress doors that hinge inwards. Building value is enhanced with plated finishes to match and blend with modern building décor.

10 Inch Concrete Core Hole Applications…

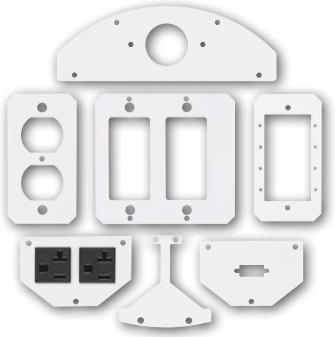


High Capacity Multimedia Applications
Sub-plate layout for the center four gangs of the ten inch FRPT allows for maximum AV capacity. The NEMA spacing plate allows the product flexibility to easily accept 3rd party products.



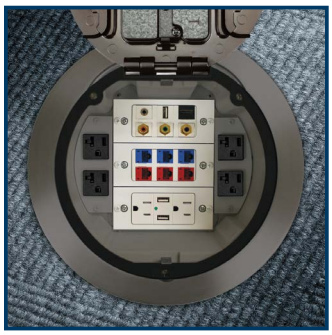
Sub-Plates Offer Application Flexibility
Perimeter sub-plates for the ten inch FRPT help compliment the AV or data in the center four gangs. Additionally these plates can be exchanged for other low voltage compatible plates.

10 Inch Recessed Access

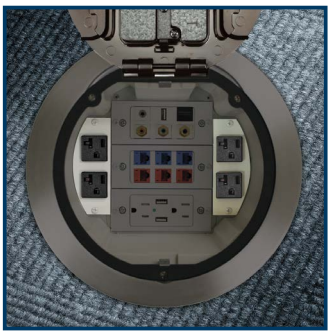


Center Sub-Plates
with Perimeter Sub-plates

8 Inch Concrete Core Hole Applications…

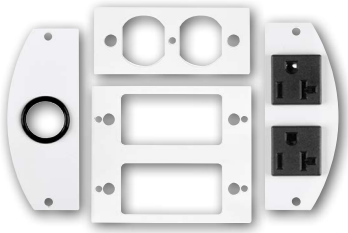


High Capacity Multimedia Applications
Sub-plate layout for the center three gangs of the eight inch FRPT allows for maximum AV capacity. The NEMA spacing allows the product flexibility to easily accept 3rd party products.



Sub-Plates Offer Application Flexibility
Perimeter sub-plates for the eight inch FRPT help compliment the AV or data in the center three gangs. Additionally these plates can be exchange for other low voltage compatible plates.

8 Inch Recessed Access



Center Sub-Plates
with Perimeter Sub-plates

Hubbell SystemOne Recessed FRPTs

Hubbell's SystemOne Recessed Fire-Rated Poke-Throughs (FRPT) enhance functionality by providing increased power, data and AV capacity. Safety is improved with recessed connectivity, a low profile flange, and egress doors that hinge inwards. Building value is enhanced with plated finishes to match and blend with modern building décor.

6 Inch Concrete Core Hole Applications…

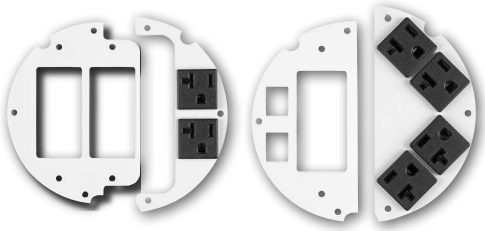


60/40 6 Inch Sub-Plate Split
An Industry first, the 60/40 sub-plate layout allows for unmatched capacity with up to 12 keystone jacks and one 20A duplex.



50/50 6 Inch Sub-Plate Split
Two duplexes with ample AV and data are achieved by using the 50/50 sub-plate layout. Additionally this layout will accommodate two Style Line® devices for GFCI, surge, etc. applications.

6 Inch Recessed Access



60/40 split Sub-Plates

50/50 split Sub-Plates

4 Inch Concrete Core Hole Applications…

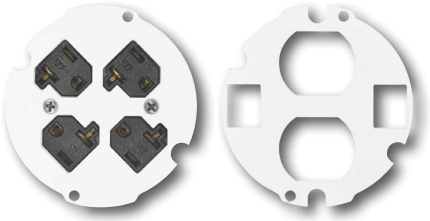


4 Inch Quad Sub-Plate
The pre-wired quad sub-plate can be wired as one circuit or two and includes 12 inch of stranded wire.



4 Inch 2X2 Sub-Plate
The 2x2 sub-plates are available with Style Line® or traditional duplex openings and can accommodate up to two keystone jacks.

4 Inch Recessed Access



Quad Sub-Plate

Multi & Single Service Sub-Plates

ScrubShield® Complies with UL514A

How to Order 10, 8, 6 and 4 Inch SystemOne Products

STEP 1: Select Recessed Access Poke-Through

10 Inch



8 Inch



6 Inch



4 Inch



Or Select Furniture Feed Poke-Through

10 Inch



8 Inch



6 Inch

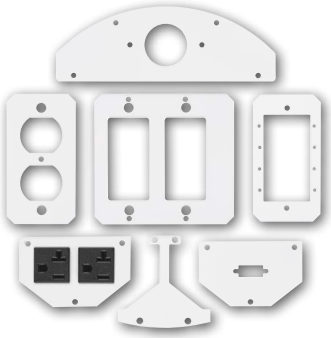


4 Inch

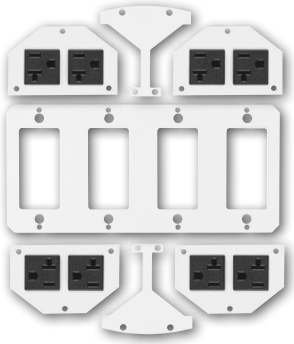


STEP 2: Select Recessed Access Sub-Plate

10 Inch

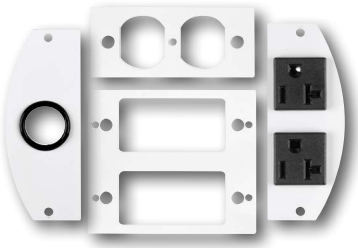


Center Sub-Plates with Perimeter Sub-plates



Open Data/AV Center Sub-Plate with Perimeter Power Sub-Plates

8 Inch



Center Sub-Plates with Perimeter Sub-plates

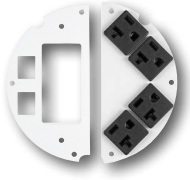


3-Gang Data/AV Center Extension with Perimeter Power Sub-Plates

6 Inch



60/40 Split Sub-Plates



50/50 Split Sub-Plates

4 Inch



Quad Sub-Plates



2X2 Sub-Plates

Note: Furniture feed version does not require sub-plates.

How to Order 10, 8, 6 and 4 Inch SystemOne Products

STEP 3: Select Recessed Cover (Aluminum cover shown, see below for all available finishes)

10 Inch



8 Inch



6 Inch



4 Inch



Note: Tamper-Resistant 10 inch covers are also available.

Or Select Furniture Feed Cover (Aluminum cover shown, see below for all available finishes)

10 Inch



8 Inch



6 Inch



4 Inch



Available Cover Finishes

Brushed Aluminum



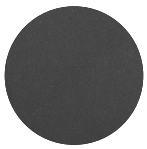
Brushed Brass Plated



Antique Bronze Plated



Black Powder Coat



Gray Powder Coat



Satin Nickel Plated



Recommended Fire-Rated Poke-Through Size Chart

To avoid over or under utilizing the capacity of the fire-rated poke-through, first determine how many gangs of power, data and AV are required for the application. The matrix below will guide you to the correct poke-through size.

POWER GANGS	Recommended Fire-Rated Poke-Through Size					
5	8"	10"	10"	10"		
4	8"	8"	10"	10"	10"	
3	6"	8"	8"	10"	10"	10"
2	6"	6"	8"	8"	10"	10"
1	4"	6"	6"	8"	8"	10"
0	—	4"	6"	8"	8"	8"
	0	1	2	3	4	5
	DATA AND AV GANGS					

Exceeds capacity of Hubbell recessed poke-throughs

Example: 2-gangs of power, 1-gang of AV and 1-gang of data is required. Find the intersection for 2 power gangs with 2 data/AV gangs. The highlighted intersection defines the recommended FRPT.

ScrubShield® Complies with UL514A

Features and Benefits

SystemOne Recessed 10 Inch Fire-Rated Poke-Through Fittings

- The most dynamic FRPT system with the largest capacity available to meet all multimedia applications where power and voice/data are required
- Maintains concrete floor fire rating up to two hours
- Tamper-resistant recessed covers available
- Furniture feed cover available with (2) generous 2 inch NPT low voltage hubs and (2) 1 inch NPT power hubs
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements
- Works with time and labor saving 10" concrete pre-pour tube



10 Inch FRPT with Accessories



FRPT Design

- Step down installation
- Flexible single or multi-service
- Recessed connections



Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available as recessed or furniture feed
- Tamper-resistant recessed covers available
- Available in six architectural finishes



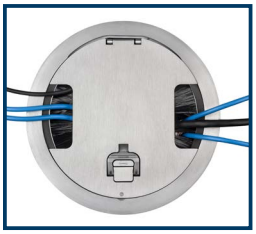
FRPT Chambers

- 4 inch deep access chamber
- 4.43 inch deep center device chamber
- Dividers to make up to 8 individual services
- Perimeter to perimeter wiring tunnel



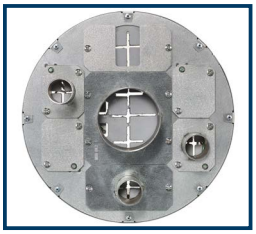
Easy Mount Device Plates

- Multiple, open architecture mounting plates for power, data and AV
- 4 center gangs
- 2 full or 4 half independent perimeter gangs



Safety

- Low profile flange, 0.16 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door



Bottom Feed Plates

- 9 center chamber and 6 perimeter adaptable feed plates
- Center chamber ranges from ½" to 2-½"
- Perimeter ranges from ½" to 1-1¼"

SystemOne Recessed 10 Inch Core Hole Kits, for Use In Concrete Floors

10 Inch Fire-Rated Poke-Through	Catalog Number
Hubbell SystemOne 10 Inch Recessed Floor Fitting with Installation Cover	**S1R10PTFIT**

Approved for use in the City of Chicago with EMT and full blank bottom feed plates.

Note: See page P-36 for technical information.



S1R10PTFIT

10 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 10 inch recessed floor fitting (S1R10PTFIT)
- (2) Hubbell SystemOne 10 inch perimeter device mounting brackets (S1R10PSPREPBRKT)
- (4) Hubbell SystemOne 10 inch bottom center pass through plate (S1R10CBFPT)
- (3) Hubbell SystemOne 10 inch bottom perimeter blank plate (S1R10PBFBLANK)
- (1) Hubbell SystemOne 10 inch bottom perimeter ¾ inch plate (S1R10PBF075)
- (1) Hubbell SystemOne 10 inch perimeter divider (S1R10PERIMDIV)
- (1) Hubbell SystemOne 10 inch center divider (S1R10CENTERDIV)
- (1) Hubbell SystemOne 10 inch flange and universal cover assembly (S1R10CVRxx)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R10PTALU**
Black Powder Coat	**S1R10PTBLK**
Brushed Brass Plated	**S1R10PTBRS**
Antique Bronze Plated	**S1R10PTBRZ**
Gray Powder Coat	**S1R10PTGRY**
Satin Nickel Plated	**S1R10PTNKL**



S1R10PTBRS

Pre-Wired 10 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 10 inch recessed floor fitting (S1R10PTFIT)
- (2) 20A pre-wired receptacle sub-plates with 24 inch wire leads (S1R10PSPZ)
- (2) Hubbell SystemOne 10 inch perimeter device mounting brackets (S1R10PSPREPBRKT)
- (4) Hubbell SystemOne 10 inch bottom center pass through plate (S1R10CBFPT)
- (3) Hubbell SystemOne 10 inch bottom perimeter blank plate (S1R10PBFBLANK)
- (1) Hubbell SystemOne 10 inch bottom perimeter ¾ inch plate (S1R10PBF075)
- (1) Hubbell SystemOne 10 inch perimeter divider (S1R10PERIMDIV)
- (1) Hubbell SystemOne 10 inch center divider (S1R10CENTERDIV)
- (1) Hubbell SystemOne 10 inch flange and universal cover assembly (S1R10CVRxx)

Receptacles feature single circuit wiring

Cover Finish	Catalog Number
Brushed Aluminum	**S1R10PTZALU**
Black Powder Coat	**S1R10PTZBLK**
Brushed Brass Plated	**S1R10PTZBRS**
Antique Bronze Plated	**S1R10PTZBRZ**
Gray Powder Coat	**S1R10PTZGRY**
Satin Nickel Plated	**S1R10PTZNKL**

Note: xx indicates finish options.



S1R10PTZBLK

Recessed 10 Inch Covers

The 10 inch FRPT cover assembly unit includes solid cast aluminum construction and mounting hardware. Covers are recessed and available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.16 inch exceeds ADA requirement and suitable for use on any floor finish. All covers are UL514A, scrubwater compliant. Furniture Feed covers includes (2) 2" Threaded Hubs & (2) 1" Threaded Hubs with 3/4" Reducers.



10 Inch Fire-Rated Poke-Through Covers

Finish	Recessed Cover Catalog Number	TR Recessed Cover* Catalog Number	Furniture Feed Cover** Catalog Number
Brushed Aluminum	**S1R10CVRALU**	**S1R10CVRTRALU**	**S1R10FFCVRALU**
Black Powder Coat	**S1R10CVRBLK**	**S1R10CVRTRBLK**	**S1R10FFCVRBLK**
Brushed Brass Plated	**S1R10CVRBRS**	**S1R10CVRTRBRS**	**S1R10FFCVRBRS**
Antique Bronze Plated	**S1R10CVRBRZ**	**S1R10CVRTRBRZ**	**S1R10FFCVRBRZ**
Gray Powder Coat	**S1R10CVRGRY**	**S1R10CVRTRGRY**	**S1R10FFCVRGRY**
Satin Nickel Plated	**S1R10CVRNKL**	**S1R10CVRTRNKL**	**S1R10FFCVRNKL**

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.
**Tamper-resistant covers ship with (1) S1RTR10BIT Torx-T10 bit.*
***(2) 1" NPT plugs for power with (2) 1" to ¾" reducers and (2) 2" NPT plugs for Low Voltage.*

SystemOne Recessed 10 Inch Sub-Plates and Bottom Feed Plates

Perimeter Plate Configurations

- Available in pre-wired duplexes or openings to accommodate third party AV devices
- Available in full or ½ gang plates



Perimeter Sub-Plates - Full Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(1) Style Line® decorator opening **S1R10PSPD**		(1) Duplex opening **S1R10PSPI**		(1) 1.40" opening for simplex or 15A Twist-Lock® **S1R10PSPJ**	
(4) Extron® MAPP openings **S1R10PSPC**		(2) Extron® AAP openings **S1R10PSPA**		(1) 1.60" opening for 20A & 30A Twist-Lock® **S1R10PSPG**	

Perimeter Sub-Plates - 1/2 Gang*

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(2) 20A pre-wired receptacles; 24" lead; one circuit (Supplied with isolated ground sticker) **S1R10PSPZ**		(2) 20A pre-wired receptacles; 25 foot lead; one circuit (Supplied with isolated ground sticker) **S1R10PSPZ25**		(2) 20A pre-wired receptacles; 24" lead; one circuit (Supplied with isolated ground sticker). Marked with "⏻ Controlled" **S1R10PSPZC**		(2) 20A pre-wired receptacles; 25 foot lead; one circuit (Supplied with isolated ground sticker). Marked with "⏻ Controlled" **S1R10PSPZ25C**	
(2) 20A pre-wired tamper resistant receptacles; 24 Inch lead; one circuit (Supplied with controlled and isolated ground stickers) **S1R10PSPZTR**		(1) Unit Hubbell iSTATION opening **S1R10PSPF**		(1) VGA/HDMI/DP opening **S1R10PSPH**		(1) XLR opening **S1R10PSPO**	
Perimeter device bracket. **S1R10PSPREPBRKT**		Blank cover plate **S1R10PSPB**		(2) Extron® MAPP openings **S1R10PSPV**			

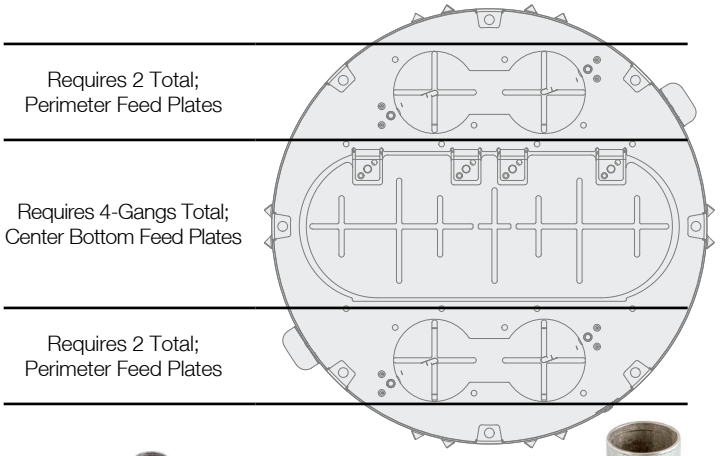
*Note: *Requires S1R10PSPREPBRKT. See page P-7 for covers and P-10 for accessories.*

10 Inch Bottom Feed Plates

1-Gang Center Bottom Feed Plates	Catalog Number
½ inch EMT Feed	**S1R10CBF050**
¾ inch EMT Feed	**S1R10CBF075**
1 inch EMT Feed	**S1R10CBF100**
1¼ inch EMT Feed	**S1R10CBF125**
Blank	**S1R10CBFBLANK**
Pass through	**S1R10CBFPT****
2-Gang Center Bottom Feed Plates	
1½ inch EMT Feed	**S1R10CBF150**
2 inch EMT Feed	**S1R10CBF200**
2½ inch EMT Feed	**S1R10CBF250***
Perimeter Bottom Feed Plates	
½ inch EMT Feed	**S1R10PBF050**
¾ inch EMT Feed	**S1R10PBF075**
1 inch EMT Feed	**S1R10PBF100**
1¼ inch EMT Feed	**S1R10PBF125**
Blank	**S1R10PBFBLANK**
Pass through	**S1R10PBFPT****

*Note: *Data/AV wiring only.*
***Not approved for use in the City of Chicago.*
See page P-36 for technical information.

10 Inch FRPT Bottom View





1-Gang Center Bottom Feed Plate | 2-Gang Center Bottom Feed Plate* | Perimeter Bottom Feed Plate

Extron® is a registered trademark of Extron Electronics. Crestron® is a registered trademark of Crestron Electronics, Inc. FSR® is a registered trademark of FSR Inc.

SystemOne Recessed 10 Inch Sub-Plates

Center Plate Configurations

- 1, 2, 3 and 4 Gang Device Plates
- Accept third party AV devices (i.e. Extron®, Crestron®, FSR®)
- Multi-gang NEMA spaced plates available



Center Sub-Plates - Single Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(1) Style Line® decorator opening **S1R10CSPD**		3 Unit Hubbell iSTATION opening **S1R10CSPL**		(1) Duplex opening **S1R10CSPI**		Blank cover plate **S1R10CSPB**	
(1) XLR opening **S1R10CSPX**		(2) XLR openings **S1R10CSP2X**		(1) 1.40" opening for simplex or 15A Twist-Lock® **S1R10CSPJ**		(1) 1.60" opening for 20A & 30A Twist-Lock® **S1R10CSPG**	
(1) VGA/HDMI/DP opening **S1R10CSPH**		(2) VGA/HDMI/DP openings **S1R10CSP2H**		(4) Extron® MAPP openings **S1R10CSPC**		Ortronics® TracJack®/ Series II® opening **S1R10CSPK**	

Center Sub-Plates - Two Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(2) Style Line® decorator openings NEMA spacing **S1R10CSPM**		Blank cover plate **S1R10CSP2B**		(1) 2.16" opening for 30A & 50A, 3-wire, straight blade receptacle **S1R10CSPE**		(4) Extron® APP openings **S1R10CSPU**	

Center Sub-Plates - Three and Four Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(3) Style Line® decorator openings NEMA spacing **S1R10CSPT**		(4) Style Line® decorator openings **S1R10CSPP**	
(4) Blank cover plate **S1R10CSPQ**		(4) Duplex openings **S1R10CSPR**	

Note: Rectangular sub-plates are for center compartments, crescent sub-plates are for perimeter compartments and are not inter-changeable.
See page P-7 for covers, P-8 for bottom feed plates and P-10 for accessories.

Extron® is a registered trademark of Extron Electronics.
TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.
Crestron® is a registered trademark of Crestron Electronics, Inc.
FSR® is a registered trademark of FSR Inc.

SystemOne Recessed 10 Inch Accessories and Replacement Parts



S1R10PPT



S1R10ADMTBK



S1R10CVRBRUSH



S1R10TUNNEL

10 Inch Accessories

Description	Catalog Number
Pre-pour tube, includes hardware.	**S1R10PPT***
Abandonment plate, black finish.	**S1R10ADMTBK**
Center divider.	**S1R10CENTERDIV**
Perimeter divider.	**S1R10PERIMDIV**
Egress door brushes (1 Pair).	**S1R10CVRBRUSH**
Perimeter to perimeter wiring tunnel.	**S1R10TUNNEL**
Power junction box, 27.0 cubic inches; (1) ¾ inch and (1) 1 inch EMT connector.	**S1FRPTJB**
Perimeter device bracket.	**S1R10PSPREPBRKT**

*Note: *Not UL Listed.*



S1R10CENTERDIV



S1R10FFDIV



S1R10PSPREPBRKT



S1FRPTJB



S1R10INTUMDIV

10 Inch Replacement Parts

Description	Catalog Number
Intumescent replacement divider.	**S1R10INTUMDIV**
Replacement furniture feed cover dividers (1 pair).	**S1R10FFDIV**
Replacement tamper-resistant Torx-T10 bit.	**S1RTR10BIT***

*Note: *Not UL Listed.*

Capacity, Capability and Versatility





Fire-Rated Poke-Throughs

Features and Benefits

Pre-Pour Tubes For Increased Installation Efficiency

- Hubbell SystemOne Pre-pour Tubes save installers time and money when it counts. Designed for second floor applications and above, pre-pour tubes are installed before the concrete slab is poured to provide correctly sized circular holes for Fire-Rated Poke-Through (FRPT) installation. Pre-pour tubes also ensure that the FRPT is placed exactly as specified on the print, while avoiding systems within the concrete floor's construction.
- Pre-pour tube installation is quicker and more cost effective as compared to the time-consuming process of concrete core drilling. Additional time and scheduling must be considered for core drilling, along with the possible safety hazards of drilling on job sites. Prior to drilling, professionals take the precaution to use x-ray or ground-penetrating radar (GPR) technology to ensure the core drill does not damage embedded conduits, rebar or tensioned cables. Cutting a tensioned cable can endanger the installer and compromise the structural integrity of the slab. If there is an obstacle, the core drill location must be adjusted, which may impact furniture and powered cubicle layouts.

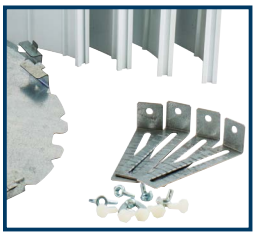


Pre-Pour Tubes



Pre-Pour Tube Design

- Creates a circular hole for Fire-Rated Poke-Through installation
- For use in poured concrete floors
- The pre-pour tubes can be use in corrugated steel decking or plywood forms



Hardware

- Includes adjustable mounting legs for easy leveling
- The mounting hardware provided allows for installation versatility
- The PVC walls are then easily removed with hand tools, leaving a clean circular hole for FRPT installation



Pre-Pour Tube Sizes

- Hubbell pre-pour tubes are available in 4-, 6-, 8- and 10-inch sizes
- Single use



Installation Design

- They consist of extruded PVC segmented dove-tailed walls which easily slide together and are locked with pre-galvanized steel disks to maintain the tube's circular shape under the stress of the concrete pour

Pre-Pour Tubes

Includes all hardware

Diameter	Catalog Number
4 inches	**S1R4PPT**
6 inches	**S1R6PPT**
8 inches	**S1R8PPT**
10 inches	**S1R10PPT**

Note: Not UL Listed



S1R4PPT



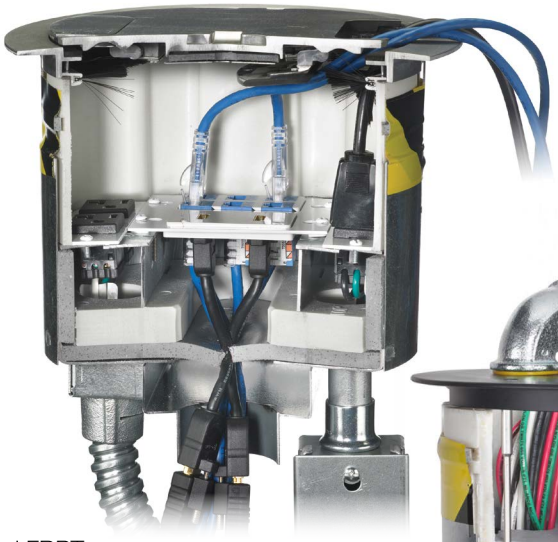
S1R6PPT

ScrubShield® Complies with UL514A

Features and Benefits

SystemOne Recessed 8 Inch Fire-Rated Poke-Through Fittings

- Perfect for high capacity multimedia applications where power and low voltage are required
- Maintains concrete floor fire rating up to two hours
- Fitting box standard
- For use in the City of Chicago applications, fitting box is NOT included
- Furniture feed cover available with (1) generous 2 inch NPT low voltage hub and (1) 1 inch NPT power hub
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements
- Works with time and labor saving 8" concrete pre-pour tube



8 Inch Recessed FRPT with Accessories



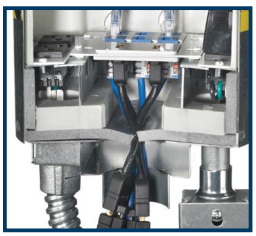
8 Inch Furniture Feed FRPT with Accessories



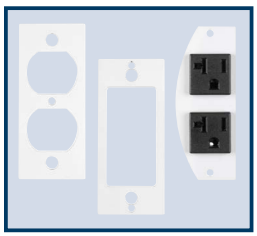
FRPT Design
- Step down installation
- Flexible single or dual service
- Recessed connections



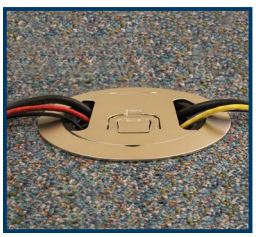
Covers
- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



Chamber
- Recessed 3.5 inch deep connectivity chamber
- Large wiring compartments
- Fixed wiring chambers
- On-site exchangeable center compartment fitting
- Standard ¾-inch EMT



Easy Mount Device Plates
- Multiple, open architecture mounting plates for power, data and AV
- 3 center gangs
- 2 independent perimeter gangs



Safety
- Low profile flange, 0.15 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door



8 Inch Sub-Plate Features
- Center and perimeter plate configurations
- Available in pre-wired 20A duplex receptacles or data/AV plates
- Multiple 20A duplex receptacles can be wired to a common circuit or independently
- NEMA spacing between devices

SystemOne Recessed 8 Inch Core Hole Kits, for Use In Concrete Floors

Pre-Wired 8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT1)
- (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ)
- (1) Fitting connection box with 1 inch and 1½ inch EMT stubs (S1R8JNC1)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Receptacles feature single circuit wiring

Cover Finish	Catalog Number
Brushed Aluminum	**S1R8PTZZ1ALU**
Black Powder Coat	**S1R8PTZZ1BLK**
Brushed Brass Plated	**S1R8PTZZ1BRS**
Antique Bronze Plated	**S1R8PTZZ1BRZ**
Gray Powder Coat	**S1R8PTZZ1GRY**
Satin Nickel Plated	**S1R8PTZZ1NKL**



S1R8PTZZ1NKL

8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT1)
- (1) Fitting connection box with 1 inch and 1½ inch EMT stubs (S1R8JNC1)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R8PT1ALU**
Black Powder Coat	**S1R8PT1BLK**
Brushed Brass Plated	**S1R8PT1BRS**
Antique Bronze Plated	**S1R8PT1BRZ**
Gray Powder Coat	**S1R8PT1GRY**
Satin Nickel Plated	**S1R8PT1NKL**

Pre-Wired 8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT2)
- (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ)
- (1) Fitting connection box with (2) 1 inch EMT stubs (S1R8JNC2)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Receptacles feature single circuit wiring

Cover Finish	Catalog Number
Brushed Aluminum	**S1R8PTZZ2ALU**
Black Powder Coat	**S1R8PTZZ2BLK**
Brushed Brass Plated	**S1R8PTZZ2BRS**
Antique Bronze Plated	**S1R8PTZZ2BRZ**
Gray Powder Coat	**S1R8PTZZ2GRY**
Satin Nickel Plated	**S1R8PTZZ2NKL**



S1R8PT2BLK

8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT2)
- (1) Fitting connection box with (2) 1 inch EMT stubs (S1R8JNC2)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R8PT2ALU**
Black Powder Coat	**S1R8PT2BLK**
Brushed Brass Plated	**S1R8PT2BRS**
Antique Bronze Plated	**S1R8PT2BRZ**
Gray Powder Coat	**S1R8PT2GRY**
Satin Nickel Plated	**S1R8PT2NKL**

Pre-Wired 8 Inch Fire-Rated Poke-Through for Data AV Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT3)
- (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ)
- (1) Fitting connection box with one 2 inch EMT stubs (S1R8JNC3)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Receptacles feature single circuit wiring

Cover Finish	Catalog Number
Brushed Aluminum	**S1R8PTZZ3ALU**
Black Powder Coat	**S1R8PTZZ3BLK**
Brushed Brass Plated	**S1R8PTZZ3BRS**
Antique Bronze Plated	**S1R8PTZZ3BRZ**
Gray Powder Coat	**S1R8PTZZ3GRY**
Satin Nickel Plated	**S1R8PTZZ3NKL**



S1R8PTZZ3BRS

8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT3)
- (1) Fitting connection box with (1) 2 inch EMT stubs (S1R8JNC3)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R8PT3ALU**
Black Powder Coat	**S1R8PT3BLK**
Brushed Brass Plated	**S1R8PT3BRS**
Antique Bronze Plated	**S1R8PT3BRZ**
Gray Powder Coat	**S1R8PT3GRY**
Satin Nickel Plated	**S1R8PT3NKL**

8 Inch Fire-Rated Poke-Through Furniture Feed Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT13)
- (1) Fitting connection box with 1 inch and 2 inch EMT stubs (S1R8JNC13)
- Low voltage dividers, internal and external intumescent materials (S1R8PTFFCOMPKIT)
- (1) 8 inch furniture feed cover assembly (S1R8FFCVRxx)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R8PTFFALU**
Black Powder Coat	**S1R8PTFFBLK**
Brushed Brass Plated	**S1R8PTFFBRS**
Antique Bronze Plated	**S1R8PTFFBRZ**
Gray Powder Coat	**S1R8PTFFGRY**
Satin Nickel Plated	**S1R8PTFFNKL**



S1R8PTFFBRZ

Note: xx indicates finish options.

ScrubShield® Complies with UL514A

SystemOne Recessed 8 Inch FRPT and Covers, for Use In Concrete Floors



S1R8PTFIT1



S1R8PTFIT13



S1R8PTFIT2CHI



S1R8JNC1



S1R8JNC3



S1R8JNC6



S1R8JNC10



S1R8PPT



S1R8ADMTBK



S1R8DIV



S1FRPTJB

8 Inch Fire-Rated Poke-Throughs

Description	Catalog Number
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1FRPTJB box and flexible metal conduit. S1R8JNCxx Series fitting box not included.	**S1R8PTFIT**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC1 with (1) 1 inch EMT and (1) 1½ inch EMT. (1) S1FRPTJB box and flexible metal conduit.	**S1R8PTFIT1**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC2 with (2) 1 inch EMT (1) S1FRPTJB box and flexible metal conduit.	**S1R8PTFIT2**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC3 with (1) 2 inch EMT (1) S1FRPTJB box and flexible metal conduit.	**S1R8PTFIT3**
8 Inch Furniture Feed Fire-Rated Poke-Through includes: S1R8PTFFCOMPKIT (see below). S1FRPTJB box or flexible metal conduit not included. Approved for use in the City of Chicago.	**S1R8PTFIT13**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC1 with (1) 1 inch EMT and (1) 1½ inch EMT. S1FRPTJB box or flexible metal conduit not included.	**S1R8PTFIT1CHI**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC2 with (2) 1 inch EMT. S1FRPTJB box or flexible metal conduit not included.	**S1R8PTFIT2CHI**
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC3 with (1) 2 inch EMT. S1FRPTJB box or flexible metal conduit not included.	**S1R8PTFIT3CHI**

Note: See page P-37 for technical information.

Recessed 8 Inch Covers

8 Inch FRPT cover assembly unit includes solid cast aluminum construction, carpet gasket and mounting hardware. All covers are UL514A, scrubwater compliant. Furniture Feed covers includes (1) 2" Threaded Hub & (1) 1" Threaded Hub with 3/4" Reducer.



Finish	Catalog Number	Furniture Feed Option
Brushed Aluminum	**S1R8CVRALU**	**S1R8FFCVRALU**
Black Powder Coat	**S1R8CVRBLK**	**S1R8FFCVRBLK**
Brushed Brass Plated	**S1R8CVRBRS**	**S1R8FFCVRBRS**
Antique Bronze Plated	**S1R8CVRBRZ**	**S1R8FFCVRBRZ**
Gray Powder Coat	**S1R8CVRGRY**	**S1R8FFCVRGRY**
Satin Nickel Plated	**S1R8CVRNKL**	**S1R8FFCVRNKL**

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.

Fitting Boxes

Description	Catalog Number	Description	Catalog Number
(1) 1½ inch & (1) 1 inch EMT.	**S1R8JNC1**	(1) ¾ inch & (1) 1¼ inch EMT.	**S1R8JNC8**
(2) 1 inch EMTs.	**S1R8JNC2**	(1) ¾ inch & (2) 1¼ inch EMTs.	**S1R8JNC9**
(1) 2 inch EMT.	**S1R8JNC3**	(1) 1¼ inch & (1) 2 inch EMT.	**S1R8JNC10**
(3) 1 inch EMTs.	**S1R8JNC4**	(1) 1½ inch & (1) 2 inch EMT.	**S1R8JNC11**
(1) 1½ inch & (1) 1¼ inch EMT.	**S1R8JNC5**	(3) 1¼ inch EMTs.	**S1R8JNC12**
(2) 1¼ inch EMTs.	**S1R8JNC6**	(1) 1 inch & (1) 2 inch EMTs.	**S1R8JNC13**
(1) ¾ inch & (2) 1 inch EMTs.	**S1R8JNC7**		

8 Inch Accessories

Description	Catalog Number	Description	Catalog Number
Includes components to convert installed 8" Recessed FRPT to Furniture Feed activation; S1R8JNC13, low voltage dividers, internal and external intumescent materials.	**S1R8PTFFCOMPKIT**	1 Inch replacement Plug, Brushed Aluminum	**S1RPLUG100ALU**
		1 Inch replacement Plug, Black Powder	**S1RPLUG100BLK**
		1 Inch replacement Plug, Brass Plated	**S1RPLUG100BRS**
		1 Inch replacement Plug, Bronze Plated	**S1RPLUG100BRZ**
Pre-pour tube, includes hardware.	**S1R8PPT***	1 Inch replacement Plug, Gray Powder	**S1RPLUG100GRY**
Abandonment plate, black finish.	**S1R8ADMTBK**	1 Inch replacement Plug, Nickel Plated	**S1RPLUG100NKL**
Low voltage replacement divider.	**S1R8DIV**	Power junction box	**S1FRPTJB**

*Note: *Not UL Listed.*

SystemOne Recessed 8 Inch Sub-Plates

Center Plate Configurations

- Allows for 3 duplexes or up to 18 data/ AV jacks. Other combinations possible
- Accepts third party AV devices (i.e. Extron®, Crestron®, FSR®)
- Standard NEMA spacing between devices



Perimeter Plate Configurations

- Available in pre-wired duplexes or openings to accommodate third party AV devices
- Multiple duplexes can be wired in the supplied junction box or independently



Center Sub-Plates - Single Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
Blank cover plate **S1R8CSPB**		(2) Extron® MAAP openings **S1R8CSPC**	
(1) 1 unit Hubbell iSTATION opening **S1R8CSPD**		(1) 1.5 unit Hubbell iSTATION opening (See section Y for modules) **S1R8CSPE**	
(1) 1.60" opening for 20A & 30A Twist-Lock® **S1R8CSPG**		(1) Duplex opening **S1R8CSPI**	
(1) 1.40" opening for simplex or 15A Twist-Lock® **S1R8CSPJ**		(1) Style Line® decorator opening **S1R8CSPK**	
(1) Hubbell Jack opening and (3) Jack KOs with Label Field **S1R8CSP4DJ**			

Perimeter Sub-Plates

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
Blank cover plate **S1R8PSPU**		Single Extron® MAAP opening **S1R8PSPV**	
Pull through with 1" bushing opening **S1R8PSPW**		Single Extron® AAP opening **S1R8PSPX**	
(1) 1 unit Hubbell iSTATION opening (See section Y for modules) **S1R8PSPY**		Dual 20A pre-wired power cubes; one circuit (Supplied with isolated ground sticker) **S1R8PSPZ** **S1R8PSPZ25** (25 foot leads)	
Dual 20A pre-wired power cubes; one circuit (Supplied with isolated ground sticker); Marked with "⏻ Controlled"; (18 inch leads) **S1R8PSPZC**		Dual 20A pre-wired power tamper resistant cubes; one circuit (Supplied with controlled and isolated ground stickers); (18 inch leads) **S1R8PSPZTR**	

Center Sub-Plates - Two Gang

Desc/Cat. No.	Sub-plate	Desc/Cat. No.	Sub-plate	Desc/Cat. No.	Sub-plate	Desc/Cat. No.	Sub-plate	Desc/Cat. No.	Sub-plate
Two gang; (4) Extron® AAP openings **S1R8CSPA**		Two gang; 3 unit Hubbell iSTATION opening (See section Y for modules) **S1R8CSPL**		Two gang; (2) Style Line® Decorator openings **S1R8CSPM**		Two gang; device depth extension collar (for use with 3rd party data up to 2.5"depth) **S1R8CSPEXT**		Two gang; (2) Hubbell Jack openings and (4) Jack KOs with Label Field **S1R8CSP6DJ**	

Center Sub-Plates - Three Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
Three gang; blank cover plate **S1R8CSPN**		Three gang; device depth extension collar (for use with 3rd party data up to 2.5" depth) **S1R8CSPEXT3**		Three gang extender with two gang opening; device depth extension collar (for use with 3rd party data up to 2.5" depth) **S1R8CSPEXT32**	

Note: Rectangular sub-plates are for center compartments, crescent sub-plates are for perimeter compartments and are not inter-changeable.
See page P-14 for covers and accessories.

Extron® is a registered trademark of Extron Electronics.
Crestron® is a registered trademark of Crestron Electronics, Inc.
FSR® is a registered trademark of FSR Inc.

ScrubShield® Complies with UL514A

Features and Benefits

SystemOne Recessed 6 Inch Fire-Rated Poke-Through Fittings

- Maintains concrete floor fire rating up to two hours
- Junction box standard
- Includes (1) 2 inch data/AV EMT and (1) ¾ inch power EMT
- For use in the City of Chicago applications, junction box is NOT included
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements
- Works with time and labor saving 6" concrete pre-pour tube



6 Inch FRPT with Accessories



FRPT Design

- Step down installation
- Flexible single or dual service
- Recessed connections



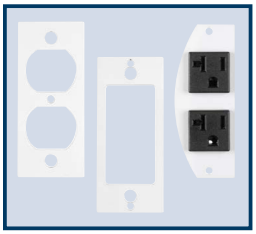
Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available as recessed or furniture feed
- Available in six architectural finishes



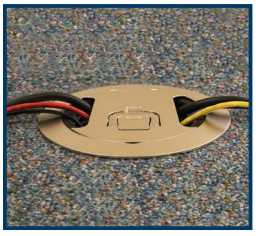
Chamber

- Recessed 3.5 inch deep connectivity chamber
- Large wiring compartments divides up to 2.9 inch (73mm) deep
- Adaptable low voltage divider
- 2-inch EMT bottom feed
- ¾-inch EMT bottom feed



Easy Mount Device Plates

- Multiple, open architecture mounting plates for power, data and AV



Safety

- Low profile flange, 0.15 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door



6 Inch Sub-Plate Features 60/40 or 50/50 Device Plate Combinations

- Allows for a wide array of data and AV connectivity with a 20A duplex receptacle
- The two plates can be independently wired

SystemOne Recessed 6 Inch Core Hole Kits, for Use In Concrete Floors

Pre-Wired 60/40 Split 6 Inch Fire-Rated Poke-Through for Data AV Kits

Kits include:

- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (2) Decorator opening sub-plate (S1R6SPW)
- (2) 20A, pre-wired receptacle with 18 inch wire leads (S1R6SPZ)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Receptacles feature single circuit wiring.

Cover Finish	Catalog Number
Brushed Aluminum	**S1R6PTWZALU**
Black Powder Coat	**S1R6PTWZBLK**
Brushed Brass Plated	**S1R6PTWZBRS**
Antique Bronze Plated	**S1R6PTWZBRZ**
Gray Powder Coat	**S1R6PTWZGRY**
Satin Nickel Plated	**S1R6PTWZNKL**



S1R6PTWZALU

Pre-Wired 50/50 Split 6 Inch Fire-Rated Poke-Through for Hubbell Data AV Kits

Kits include:

- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (4) 1 Unit Hubbell iSTATION openings (S1R6SPD)
- (1) Decorator opening and (2) keystone openings (S1R6SPE)
- (4) 20A, pre-wired receptacles (S1R6SPH)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Opening architecture Keystone openings accept Hubbell modular jacks and many others.
Receptacles feature single or two circuit wiring and isolated ground capability.

Cover Finish	Catalog Number
Brushed Aluminum	**S1R6PTDEHALU**
Black Powder Coat	**S1R6PTDEHBLK**
Brushed Brass Plated	**S1R6PTDEHBRS**
Antique Bronze Plated	**S1R6PTDEHBRZ**
Gray Powder Coat	**S1R6PTDEHGRY**
Satin Nickel Plated	**S1R6PTDEHNKL**



S1R6PTDEHBLK

Pre-Wired 50/50 Split 6 Inch Fire-Rated Poke-Through for Hubbell or Third Party Devices Kits

Kits include:

- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (3) Extron® AAP openings (S1R6SPA)
- (5) Extron® MAPP openings (S1R6SPC)
- (1) Decorator opening and (2) Hubbell keystone openings (S1R6SPE)
- (4) 20A, pre-wired receptacles (S1R6SPH)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Opening architecture Keystone openings accept Hubbell modular jacks and many others.
Receptacles feature single or two circuit wiring and isolated ground capability.

Cover Finish	Catalog Number
Brushed Aluminum	**S1R6PTACEHALU**
Black Powder Coat	**S1R6PTACEHBLK**
Brushed Brass Plated	**S1R6PTACEHBRS**
Antique Bronze Plated	**S1R6PTACEHBRZ**
Gray Powder Coat	**S1R6PTACEHGRY**
Satin Nickel Plated	**S1R6PTACEHNKL**



S1R6PTBRS

6 Inch Fire-Rated Poke-Through with Finished Cover Kits

Kits include:

- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R6PTALU**
Black Powder Coat	**S1R6PTBLK**
Brushed Brass Plated	**S1R6PTBRS**
Antique Bronze Plated	**S1R6PTBRZ**
Gray Powder Coat	**S1R6PTGRY**
Satin Nickel Plated	**S1R6PTNKL**

6 Inch Fire-Rated Poke-Through for Furniture Feed Applications Kits

Kits include:

- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (1) 6 inch furniture feed flange and cover assembly (S1R6FFCVRxx)
- (1) 2 inch conduit fitting
- (1) ¾ inch conduit fitting

Cover Finish	Catalog Number
Brushed Aluminum	**S1R6PTFFALU**
Black Powder Coat	**S1R6PTFFBLK**
Brushed Brass Plated	**S1R6PTFFBRS**
Antique Bronze Plated	**S1R6PTFFBRZ**
Gray Powder Coat	**S1R6PTFFGRY**
Satin Nickel Plated	**S1R6PTFFNKL**



S1R6PTFFNKL

Note: xx indicates finish options.

Extron® is a registered trademark of Extron Electronics.

SystemOne Recessed 6 Inch FRPT and Covers, for Use In Concrete Floors



S1R6PTFIT

6 Inch Fire-Rated Poke-Throughs

Description	Catalog Number
6 Inch Fire-Rated Poke-Through.	**S1R6PTFIT**
6 Inch Fire-Rated Poke-Through; for use in the City of Chicago.	**S1R6PTFITCHI**

Note: See page P-36 for technical information.



S1R6PTFITCHI

Recessed 6 Inch Covers

6 Inch FRPT cover assembly unit includes solid cast aluminum construction, carpet gasket and mounting hardware. All covers are UL514A, scrubwater compliant. Furniture Feed covers include (1) 2" Threaded Hub & (1) 3/4" Threaded Hub.



Cover Finish	Catalog Number	Furniture Feed Option
Brushed Aluminum	**S1R6CVRALU**	**S1R6FFCVRALU**
Black Powder Coat	**S1R6CVRBLK**	**S1R6FFCVRBLK**
Brushed Brass Plated	**S1R6CVRBRS**	**S1R6FFCVRBRS**
Antique Bronze Plated	**S1R6CVRBRZ**	**S1R6FFCVRBRZ**
Gray Powder Coat	**S1R6CVRGRY**	**S1R6FFCVRGRY**
Satin Nickel Plated	**S1R6CVRNKL**	**S1R6FFCVRNKL**

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) mandrel at the center of the cover. Static loads only.



S1R6PPT



S1R6ADMTBK



S1FRPTJB



S1R6DIV



S1R6SPEXT

6 Inch Accessories

Description	Catalog Number
Pre-pour tube, includes hardware.	**S1R6PPT***
Abandonment plate, black finish.	**S1R6ADMTBK**
Low voltage replacement divider.	**S1R6DIV**
Power junction box, 27.0 cubic inches; (1) ¾ inch and (1) 1 inch EMT connector.	**S1FRPTJB**
Replacement 1½ inch extension kit.	**S1R6SPEXT**
Power junction box	**S1FRPTJB2**

*Note: *Not UL Listed.*



S1RFFFIT2

Replacement Furniture Feed Fitting

Description	Catalog Number
2 inch furniture feed fitting.	**S1RFFFIT2**



S1RPLUG2ALU



S1RPLUG075ALU

Replacement Plugs

Finish	2 Inch	¾ Inch
Brushed Aluminum	**S1RPLUG2ALU**	**S1RPLUG075ALU**
Black Powder Coat	**S1RPLUG2BLK**	**S1RPLUG075BLK**
Brushed Brass Plated	**S1RPLUG2BRS**	**S1RPLUG075BRS**
Antique Bronze Plated	**S1RPLUG2BRZ**	**S1RPLUG075BRZ**
Satin Nickel Plated	**S1RPLUG2NKL**	**S1RPLUG075NKL**

SystemOne Recessed 6 Inch Sub-Plates, for Use In Concrete Floors

60/40 Device Plate Combination



- Allows for up to twelve data/AV jacks plus a 20A duplex receptacle
- Two plates which can be wired independently

Left 60% Sub-Plates

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(1) Extron® MAAP opening, (4) Extron® MAAP openings, (1) Extron® MAAP opening, left side only **S1R6SPT***		(2) MAAP and (2) AAP Extron® openings, left side only **S1R6SPU***	
(1) Style Line® decorator and (2) Extron® MAAP openings, left side only **S1R6SPV***		(2) Style Line® decorator openings, left side only **S1R6SPW***	
(1) Style Line® decorator and (2) Extron® AAP openings, left side only **S1R6SPX***		(1) Style Line® decorator and (2) 1.5 unit Hubbell iSTATION openings, left side only (See section Y for modules) **S1R6SPY***	

Right 40% Sub-Plates

(2) 20A pre-wired receptacles; 16" lead; one circuit, right side only (Supplied with isolated ground sticker) **S1R6SPZ**		(2) 20A pre-wired receptacles; 25 foot lead; one circuit, right side only (Supplied with isolated ground sticker) **S1R6SPZ25**	
(2) 20A pre-wired receptacles; 16" lead; one circuit, right side only (Supplied with isolated ground sticker); Marked with "⏻ Controlled" **S1R6SPZC**			

Note: Sub-plates can not be rotated to create additional layouts. When assembled, sub-plates can not overlap. Custom plates available upon request and may be subject to minimum order quantity.
**Sub-plates must only be used for Data/AV. Do not mix with power devices.*
See page P-18 for covers and accessories.

50/50 Device Plate Combination



- Allows for up to eight Hubbell data jacks plus two 20A duplex receptacles
- Two plates which can be wired independently

Left 50% Sub-Plates

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(3) Extron® AAP plate openings, left side only **S1R6SPA**		Blank cover plate, left side only **S1R6SPB**	
(5) Extron® MAAP plate openings, left side only **S1R6SPC**		(4) 1 unit Hubbell iSTATION openings, left side only (See section Y for modules) **S1R6SPD**	
(1) Style Line® decorator and (2) Hubbell keystone openings, left side only **S1R6SPE***		(2) 1.5 unit Hubbell iSTATION openings, left side only (See section Y for modules) **S1R6SPF**	
(3) Extron® MAAP openings and (2) Hubbell keystone jack openings, left side only **S1R6SPL**		(1) Style Line® decorator opening, left side only **S1R6SPM**	
(1) Decorator opening and (2) Ortronics® TracJack® openings, left side only **S1R6SPN**		(2) Hubbell Jack openings and (4) Jack KOs with Label Field **S1R6SP6DJ**	

Right 50% Sub-Plates

(1) Duplex device opening, right side only **S1R6SPI**		(1) Style Line® Decorator device opening, right side only **S1R6SPK**	
(1) 1.60" opening for 20A and 30A Twist-Lock®, right side only **S1R6SPG**		(1) 1.40" opening for simplex or 15A Twist-Lock®, right side only **S1R6SPJ**	
(4) 20A pre-wired receptacles; one or two circuits, right side only (Supplied with isolated ground sticker) **S1R6SPH** (16" leads) **S1R6SPH25** (25 foot leads)		(4) 20A pre-wired receptacles; 16" leads; one or two circuits, right side only; Marked with "⏻ Controlled" **S1R6SPHC4** (4 Controlled) **S1R6SPHC2** (2 Controlled)	
(3) 20A pre-wired tamper resistant receptacles; one circuit, right side only (Supplied with controlled and isolated ground stickers) **S1R6SP3RTR**			

Extron® is a registered trademark of Extron Electronics.
TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

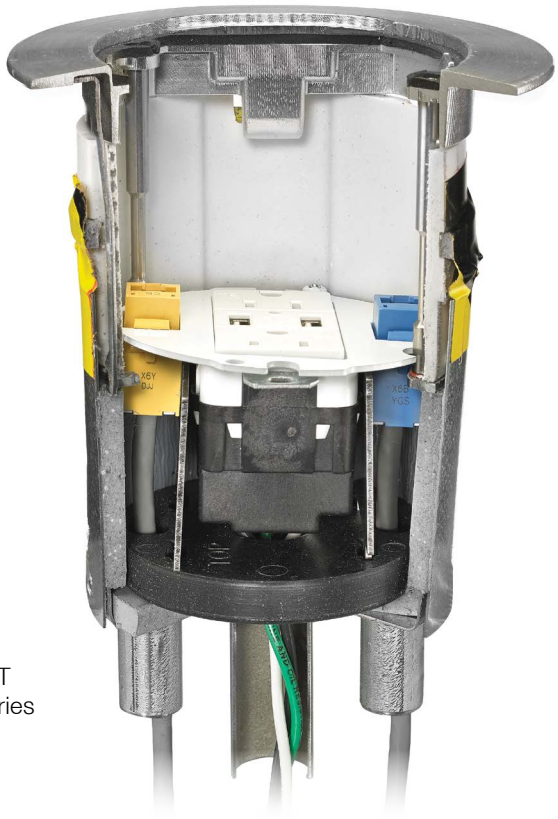
Fire-Rated Poke-Throughs

ScrubShield® Complies with UL514A

Features and Benefits

SystemOne Recessed 4 Inch Fire-Rated Poke-Through Fittings

- Maintains concrete floor fire rating up to two hours
- Junction box standard, 27 cubic inches
- (1) ¾ inch conduit for power and (2) ½ inch conduits for low voltage
- For use in the City of Chicago applications, junction box is NOT included
- Works with time and labor saving 4" concrete pre-pour tube



4 Inch FRPT with Accessories



FRPT Design

- Step down installation
- Flexible single or dual service
- Recessed connections



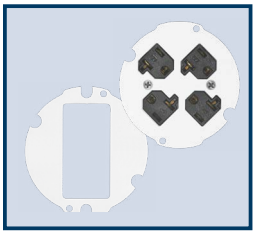
Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



Chamber

- 3-inch deep user access chamber
- Deep wiring chamber for GFCI and USB devices
- Low voltage dividers
- Perimeter chamber: (2) ½ inch EMTs bottom feed
- Center chamber: (1) ¾ inch EMT bottom feed



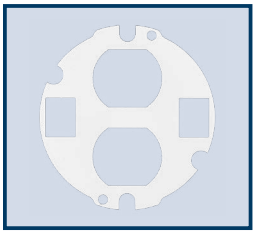
Easy Mount Device Plates

- Field configurable device plates
- Multiple, open architecture mounting plates for power, data and AV



Safety

- Low profile flange, 0.15 inch exceeds ADA requirements
- Hide-away egress door folds under cover while in use
- 180° opening of main door



4 Inch Sub-Plate Features

- Sub-plates accept Hubbell keystone jacks
- Third party sub-plates accept Ortronics® TracJack®

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SystemOne Recessed 4 Inch Core Hole Kits, for Use In Concrete Floors

Pre-Wired, 4 Inch Quad Receptacle Kit, Recessed Connectivity, Fire-Rated Poke-Through for Power Only

Kits include:

- (1) Hubbell SystemOne 4 inch recessed floor fitting (S1R4PTFIT)
- (1) Hubbell pre-wired quad receptacle with mounting plate (S1R4SPQUAD)
- (1) Hubbell SystemOne 4 inch recessed activation cover (S1R4CVRxx)
- (1) Hubbell Junction box (S1FRPTJB)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R4PTQUADALU**
Black Powder Coat	**S1R4PTQUADBLK**
Brushed Brass Plated	**S1R4PTQUADBRS**
Antique Bronze Plated	**S1R4PTQUADBRZ**
Gray Powder Coat	**S1R4PTQUADGRY**
Satin Nickel Plated	**S1R4PTQUADNKL**



S1R4PTQUADALU

4 Inch Fire-Rated Poke-Through Kit, Recessed Connectivity

Kits include:

- (1) Hubbell SystemOne 4 inch recessed floor fitting (S1R4PTFIT)
- (1) Hubbell SystemOne 4 inch recessed activation cover (S1R4CVRxx)
- (1) Hubbell Junction box (S1FRPTJB)

Cover Finish	Catalog Number
Brushed Aluminum	**S1R4PTALU**
Black Powder Coat	**S1R4PTBLK**
Brushed Brass Plated	**S1R4PTBRS**
Antique Bronze Plated	**S1R4PTBRZ**
Gray Powder Coat	**S1R4PTGRY**
Satin Nickel Plated	**S1R4PTNKL**



S1R4PTBRS

Note: xx indicates finish options.

SystemOne Recessed 4 Inch FRPT and Covers, for Use In Concrete Floors

4 Inch Fire-Rated Poke-Throughs

Description	Catalog Number
4 Inch FRPT includes: Junction box and low voltage dividers.	**S1R4PTFIT**
4 Inch FRPT includes: Low voltage dividers, junction box NOT included.	**S1R4PTFITCHI**
4 Inch FRPT includes: Quad sub-plate and junction box.	**S1R4PTQUAD**

Note: See page P-22 for sub-plates and accessories.
See page P-39 for technical information.



S1R4PTFIT
S1R4PTFITQUAD

Recessed 4 Inch Covers

Single fold under cable egress door. Unit includes solid cast aluminum construction, carpet gasket and mounting hardware. All covers are UL514A, scrubwater compliant.





S1R4PTFITCHI

Cover Finish	Catalog Number
Brushed Aluminum	**S1R4CVRALU**
Black Powder Coat	**S1R4CVRBLK**
Brushed Brass Plated	**S1R4CVRBRS**
Antique Bronze Plated	**S1R4CVRBRZ**
Gray Powder Coat	**S1R4CVRGRY**
Satin Nickel Plated	**S1R4CVRNKL**

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.

ScrubShield® Complies with UL514A

SystemOne Recessed 4 Inch Sub-Plates and Accessories

The 4 Inch recessed cover is available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.15 inch exceeds ADA requirements and suitable for use on any floor finish. All covers are UL514A, scrubwater compliant.



Device Mounting Plates

Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate
2X2 Sub-plate with (1) Style Line® decorator device opening and (2) keystone jack openings **S1R4SP2X2STYLE**		(1) Style Line® decorator device opening for power or datacom applications **S1R4SPSTYLE**		2X2 Sub-plate with (1) Style Line® decorator device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2STYLETJ**	
2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings **S1R4SP2X2DUPLEX**		(1) Duplex device opening for power or datacom applications **S1R4SPDUPLEX**		2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2DUPLEXTJ**	
(4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12" wire leads **S1R4SPQUAD**		(1) 1.60" opening for 20A or 30A Twist-Lock® receptacle **S1R4SPTWIST**		(1) 1.40" opening for simplex receptacle **S1R4SPSIMPLEX**	

Note: See section Y for data jacks and frames.



HBL8300ILW

For low light applications (i.e. under tables or podiums) consider using Hubbell's LED illuminated receptacles: HBL8200ILW 15A, LED or HBL8300ILW 20A, LED.



S1R4PPT



S1R4FRPTADMTBK



S1R4DIV

4 Inch Accessories

Description	Catalog Number
Pre-pour tube, includes hardware.	**S1R4PPT***
Abandonment plate, black finish.	**S1R4FRPTADMTBK**
Low voltage replacement divider.	**S1R4DIV**

*Note: *Not UL Listed.*

Design Solutions for:

Retail, Cafeterias, Commercial Office Space, Mass Transit Hubs, Education.



Tile



Carpet



Terrazzo

For Technical files, including BIM models, CAD files and Customer drawings, please visit www.hubbell-wiring.com under the Technical tab.

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Features and Benefits

SystemOne Recessed 4 Inch Furniture Feed Fire-Rated Poke-Through Fittings

- Excellent solution for retrofit and new construction
- Maintains concrete floor fire rating up to four hours
- One ¾ inch conduit for power and one 1½ inch conduit for low voltage
- Junction box standard, 27 cubic inches
- For use in the City of Chicago, junction box is NOT included
- Works with time and labor saving 4" concrete pre-pour tube



4 Inch Furniture Feed FRPT with Accessories



FRPT Design

- Step down installation
- Flexible single or dual service
- Adjustable lower fire barrier accommodates concrete floor thicknesses from 2¼ to 7 inch



Cover Construction

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



Chambers

- Fittings include removable metallic low voltage divider
- Cover hubs in-line with fitting EMT conduits for easy wiring
- (1) 1½ inch EMT conduit for low voltage
- (1) ¾ inch EMT conduit for power



Furniture Feed Cover Design

- Seamless one piece design
- (1) 1½ inch EMT conduit for low voltage
- (1) ¾ inch EMT conduit for power
- 5½ inch diameter flange



Safety

- Low profile flange, 0.15 inch exceeds ADA requirements
- UL514A scrubwater compliant



Application Compatibility

- Hubbell PolyTuff® I conduits
- Hubbell SwivelLok® fittings
- Metallic/Non-metallic liquidtight fittings

SystemOne Furniture Feed 4 Inch Core Kits, Covers and Accessories



S1R4PTFFALU



SystemOne Furniture Feed 4 Inch Core Kits, Use In Concrete Floors

FRPT, Furniture Feed Flush Connectivity	Cover Finish	Without Junction Box	With Junction Box
Kits Include: (1) Hubbell SystemOne 4 Inch flush furniture feed fitting (S1R4PTAVFIT) (1) Hubbell SystemOne 4 Inch flush furniture feed activation cover (S1R4FFCVRxx)	Brushed Aluminum	**S1R4PTFFALU**	**S1R4PTFFALUJ**
	Black Powder Coat	**S1R4PTFFBLK**	**S1R4PTFFBLKJ**
	Brushed Brass Plated	**S1R4PTFFBRS**	**S1R4PTFFBRSJ**
	Antique Bronze Plated	**S1R4PTFFBRZ**	**S1R4PTFFBRZJ**
	Gray Powder Coat	**S1R4PTFFGRY**	**S1R4PTFFGRYJ**
	Satin Nickel Plated	**S1R4PTFFNKL**	**S1R4PTFFNKLJ**



S1R4PTFFBLKJ

SystemOne Furniture Feed 4 Inch FRPT and Covers, Use In Concrete Floors

4 Inch Furniture Feed Fire-Rated Poke-Throughs	
Description	Catalog Number
4 Inch FRPT Includes: low voltage divider, junction box NOT included	**S1R4PTAVFIT**
4 Inch FRPT Includes: low voltage divider and junction box	**S1R4PTAVFITJ**



S1R4PTAVFIT

Flush 4 Inch Furniture Feed Covers

One piece cover solid cast aluminum construction with (1) 1½" hub for low voltage and (1) ¾" hub for power. All covers are UL514A, scrubwater compliant. Liquid-tight fittings not included.





S1R4PTAVFITJ

Cover Finish	Catalog Number
Brushed Aluminum	**S1R4FFCVRALU**
Black Powder Coat	**S1R4FFCVRBLK**
Brushed Brass Plated	**S1R4FFCVRBRS**
Antique Bronze Plated	**S1R4FFCVRBRZ**
Gray Powder Coat	**S1R4FFCVRGRY**
Satin Nickel Plated	**S1R4FFCVRNKL**

Note; COVER LOAD RATING: 1,000 lbs. with 2x safety factor. Load applied through a 3" (76mm) dia. Mandrel at the center of cover without fittings installed. Rated for static loads only.



S1R4PPT

4 Inch Furniture Feed Accessories

Description	Catalog Number
Pre-pour tube, includes mounting hardware.	**S1R4PPT***
Abandonment plate, black finish.	**S1R4FFADMTBK**

*Note: *Not UL Listed.*



S1R4FFADMTBK

Fire-Rated Poke-Throughs

Products at a Glance

Featuring the innovative SystemOne product line, Hubbell's offering of Fire-Rated Poke-Throughs (FRPT) products provide installers with a broad range of options to support a wide array of connections. Hubbell SystemOne flush FRPTs install in a 4 inch core hole and provide users the flexibility to create personal solutions for their most demanding applications.

Hubbell SystemOne Flush FRPTs for 4 Inch Concrete Core Hole Applications…



Multi-Service Applications

This Hubbell SystemOne sub-plate incorporates two Style Line® rectangular openings. These can be used for a variety of power and/or data applications. It will accommodate 15 or 20 amp, standard, isolated ground, GFCI or surge protected receptacles. Using communication frames it can provide up to a 6-port multi-service or a 12-port all communication solution.



Multimedia Applications

Other Hubbell SystemOne sub-plates are designed to meet the growing needs of the audio and video markets. Some sub-plates provide power outlets with Hubbell's AV products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, and XLR microphone jacks. Other sub-plates can accommodate Extron® Electronics MAAP and AAP series AV modules.



4X4 Applications

Provides maximum power capacity for flush, multi-service applications. This sub-plate features a pre-wired four outlet 20A, 125V receptacle and four openings for Hubbell's Snap Fit, flush mount modular jacks and AV connectors.

Traditional Hubbell FRPTs for 3 Inch and 2 Inch Concrete Core Hole Applications…



Flush Applications

Hubbell offers a variety of single and multi-service flush fire-rated poke-through products. It incorporates a Hubbell Style Line®, 20 amp, duplex receptacle and two Hubbell Category 6 data jacks. The jacks mount flush to the cover for an unobtrusive appearance. Various colors and all brass versions are available.



Pedestal Applications

Hubbell offers single and multi-service pedestal style FRPTs for those applications requiring above-the-floor connections. Available in 2, 4 or 6-gang sizes, pedestal FRPTs provide more power and low voltage connections to the desktop than most flush configurations in a 3 Inch core hole.



Furniture Feed Applications

Hubbell offers single and multiple service flush and pedestal style FRPTs that deliver power and voice/data cabling to feed furniture systems. Various models can feed up to 2 inch conduit and can accommodate up to 36 Category 5e data cables.

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ScrubShield® Complies with UL514A

Features and Benefits

SystemOne Flush 4 Inch Core Through Floor Fittings



- Step down installation clips allow the fitting to be installed or removed from the floor above
- Fire barrier expands during fire conditions to maintain the floor's fire rating
- Adjustable lower fire barrier accommodates concrete floor thicknesses from 2¼ to 7 inch
- Oversized EMT conduit tubes for increased cable capacity

Features

- Accepts all Hubbell SystemOne universal covers and flush sub-plates
- Excellent solution for retrofit and new construction
- Delivers power, voice, data and multimedia
- UL listed for use in 1 – 4 hour fire rated floors at 100% rated fill
- Available with integral power junction box
- SystemOne Fire-Rated Poke-Throughs are approved for use in the City of Chicago
- UL installation spacing - minimum 2 feet on center, not more than one per 65 square feet of floor area in each span

Universal Flange and Cover Assembly

Carpet Tile



- Hinged doors open 180 degrees flush to the carpet flange or tile
- Locking studs allow each door to be secured independently
- The universal carpet or tile flange can be used for Hubbell SystemOne Fire-Rated Poke-Throughs and Floor Boxes
- Finishes and colors available:



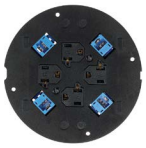
Aluminum Finish | Brass Finish | Black | Gray | Ivory

Features

- Durable cast aluminum construction available in black, gray, brass, aluminum and ivory powder coat finishes
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements
- Provides consistent look and maximum functionality throughout the installed life
- Meets ADA requirements for accessible design

Hubbell SystemOne Flush Sub-Plates

Hubbell's modular sub-plate design allows users to economically upgrade Hubbell SystemOne FRPT and Floor Boxes to accommodate future moves, additions and changes. See page P-27 for additional information.



4x4 Sub-Plate



Datacom and Power Sub-Plate



Extron® APP/MAPP and Power Sub-Plate



Dual Style Line® Decorator Sub-Plate



Twist-Lock® Sub-Plate



Furniture Feed Cover, Carpet

Features

- Durable cast aluminum construction, powder coat finish
- Hubbell 4X4: four 20A, 125V receptacles, four keystone openings for voice/data jacks and flush multimedia connectors
- Hubbell X-END and Hubbell iSTATION modular connectivity
- Accommodates Extron® Electronics Architectural Series AV system integration products
- Accommodates GFCI, surge and standard Style Line® Decorator receptacles
- Twist-Lock® receptacle with two flush keystone openings
- Large capacity and multi-service furniture feed applications
- Open system sub-plates permit maximum data flexibility

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SystemOne Flush Systems 4 Inch Core Hole One-Piece Units, for Use In Concrete Floors

Hubbell SystemOne 4 Inch Core Hole, One-Piece Units

All Hubbell SystemOne 4 Inch core, one-piece units include the sub-plate and cover to simplify your order and reduce installation time. Units are also available with a power junction box installed. The junction box is also available for purchase separately.



Description	Color	Catalog Number without Junction Box	Catalog Number with Junction Box*
One-Piece 4X4 Poke-Through Assembled-unit includes: • Hubbell SystemOne 4X4 floor fitting (S1PT4X4FIT) • 4x4 sub-plate (S1SP4X4) • Finish flange and universal carpet cover assembly (S1CFCxx) • 4-hour fire classification Keystone openings accept Hubbell modular jacks, X-END connectors and flush multimedia snap fit connectors. Receptacles feature single or two circuit wiring and isolated ground capability.	Aluminum Finish Brass Finish Black/Brass Finish Black Gray	**S1PT4X4AL** **S1PT4X4BRS** **S1PT4X4BRS3** **S1PT4X4BL** **S1PT4X4GY**	**S1PT4X4ALJ** **S1PT4X4BRSJ** **S1PT4X4BRS3J** **S1PT4X4BLJ** **S1PT4X4GYJ**
One-Piece Dual Style Line® Decorator Poke-Through Assembled-unit includes: • Hubbell SystemOne dual channel floor fitting (S1PTFIT) • Dual Style Line® decorator opening sub-plate (S1SP) • Finish flange and universal carpet cover assembly (S1CFCxx) • 4-hour fire classification Style Line® decorator openings accept two Style Line® decorators or one surge or GFCI receptacle and one Style Line® decorator receptacle. Outlet frames can be used to convert the application to a 6-port multi-service or a 12-port all communication solution. Fitting is 4-hr rated at 100% fill to accommodate (12) Cat. 6A cables (0.330" diameter).	Aluminum Finish Brass Finish Black Gray	**S1PTAL** **S1PTBRS** **S1PTBL** **S1PTGY**	**S1PTALJ** **S1PTBRSJ** **S1PTBLJ** **S1PTGYJ**
One-Piece Modular AV Poke-Through Assembled-unit includes: • Hubbell SystemOne AV floor fitting (S1PTAVFIT) • 20A, 125V power and 3-unit Hubbell iSTATION sub-plate (S1SP3IM) • Finish flange and universal carpet cover assembly (S1CFCxx) • 4-hour fire classification The Hubbell iSTATION's recessed opening can accommodate data/voice/audio and video solutions including15-pin VGA, RCA, S-Video, 3.5mm stereo, X-END, HDMI and XLR microphone jacks.	Aluminum Finish Brass Finish Black Gray	**S1PT3IMAL** **S1PT3IMBRS** **S1PT3IMBL** **S1PT3IMGY**	**S1PT3IMALJ** **S1PT3IMBRSJ** **S1PT3IMBLJ** **S1PT3IMGYJ**
One-Piece Furniture Feed Poke-Through Assembled-unit includes: • Hubbell SystemOne AV floor fitting (S1PTAVFIT) • Hubbell SystemOne furniture feed cover plate (S1SPFFxx) • 4-hour fire classification This solution provides one ¾ in. conduit for power and one 1½ in. conduit for low-voltage. Furnished with two screw-in flexible metal conduit connectors.	Aluminum Finish Brass Finish Black Gray	**S1PTFFAL** **S1PTFFBRS** **S1PTFFBL** **S1PTFFGY**	**S1PTFFALJ** **S1PTFFBRSJ** **S1PTFFBLJ** **S1PTFFGYJ**



S1PT4X4BLJ



S1PTAL



S1PT3IMAL



S1PTFFGY

*Note: *Junction box factory installed on through floor fitting. See pages P-40 and P-41 for technical information.*

ScrubShield® Complies with UL514A

SystemOne Flush Systems 4 Inch Core Hole Three-Piece Units, for Use In Concrete Floors



S1PT4X4FITJ

Hubbell SystemOne 4 Inch Core, Three-Piece Units



Description	Catalog Number without Junction Box	Catalog Number with Junction Box*
4X4 Through Floor Fitting Through floor fitting with two ¾ in. EMT for communications and one ¾ in. EMT for power. For use with Hubbell SystemOne universal covers and S1SP4X4 and S1SPTL series sub-plates only. Universal cover and sub-plate ordered separately. 4-hour fire classification.	**S1PT4X4FIT**	**S1PT4X4FITJ**
Dual Channel Through Floor Fitting Through floor fitting with two 1 in. EMT conduit stems to feed power and/or communication services. For use with Hubbell SystemOne universal covers and all Hubbell sub-plates except S1SP4X4 and S1SPTL series. Universal cover and sub-plate ordered separately. 4-hour fire classification.	**S1PTFIT**	**S1PTFITJ**
AV Through Floor Fitting Through floor fitting with one ¾ in. EMT conduit stem for power and one 1½ in. EMT conduit stem for communication services. Ideal for demanding, high capacity AV and data requirements. For use with Hubbell SystemOne universal covers and all Hubbell sub-plates except S1SP4X4 and S1SPTL series. Universal cover and sub-plate ordered separately. 4-hour fire classification.	**S1PTAVFIT**	**S1PTAVFITJ**

*Note: *Junction box factory installed on through floor fitting. See pages P-40 and P-41 for technical information.*



S1PTFIT



S1PTAVFIT

Hubbell SystemOne Universal Cover

- Cast aluminum construction
- Durable powder coat finish





Finish/Color	Carpet	Tile
Aluminum Finish	**S1CFCAL**	**S1TFCAL**
Brass Finish	**S1CFCBRS**	**S1TFCBRS**
Black	**S1CFCBL**	**S1TFCBL**
Gray	**S1CFCGY**	**S1TFCGY**
Ivory	**S1CFCI**	**S1TFCI**



Aluminum Finish | Brass Finish | Black | Gray | Ivory

Poke Through Accessories

Description	Color	Catalog Number
Abandonment Plates Used to cover abandoned SystemOne Fire-Rated Poke-Throughs or Floor Boxes.		
	Black	**S1AP4BL**
	Gray	**S1AP4GY**
Fire-Rated Closure Plug Used to seal a 4 Inch core hole when the FRPT is no longer required and the through-floor fitting is removed. Maintains the floor's 1–4 hour fire rating.		
	Black	**S1FRP4BL**
	Gray	**S1FRP4GY**
Power Junction Box For use with SystemOne Fire-Rated Poke-Throughs. Provides 27.0 cubic inches. (1) ¾ and (1) 1" EMT connector supplied. Trade size knockouts: Top (1) 1 inch Bottom (1) ¾ inch Sides (2) ½ inch (1) ¾ inch		
		S1FRPTJB
4 Inch Dia., Pre-Pour Tube Includes hardware.		
		S1R4PPT*

*Note: *Not UL Listed.*

SystemOne Flush Sub-Plates

Description	Catalog Number
Style Line® Decorator/GFCI (2) Style Line® decorator openings for power and/or datacom applications.	**S1SP**
Hubbell 4 X 4 (4) 20A, 125V receptacles. (4) Keystone openings for Hubbell jacks or flush AV connectors. Power can be wired as single or two circuit with isolated ground capability.	**S1SP4X4**
Includes ⏻ stickers.	**S1SP4X4C**
Provided with 15 ft. wire leads	**S1SP4X415**
Provided with 30 ft. wire leads	**S1SP4X430**
Single Receptacle + Data Opening for 20 or 30A Twist-Lock® receptacle (1.56" OD) and (2) Keystone openings for Hubbell jacks or flush AV connectors.	**S1SPTL**
Hubbell DataCom + Style Line® Decorator (1) Style Line® decorator opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications.	**S1SPSL2IM**
Extron® or FSR + Power (1) 20A, 125V receptacle. Recessed opening for (3) single Extron® MAAP series adapter plates or FSR IPS plates.	**S1SPEXT1**
Marked with "⏻ Controlled"	**S1SPEXT1C**
Extron® AAP + Power (1) 20A, 125V receptacle. (2) flush Keystone & recessed opening for (2) single Extron® AAP Series adapter plates.	**S1SPEXT4**
Marked with "⏻ Controlled"	**S1SPEXT4C**
Panduit Mini Com® 4 X 4 (4) 20A, 125V receptacles. (4) Openings for Panduit Mini-Com Connectivity.	**S1SP4X4PA**
Includes ⏻ stickers.	**S1SP4X4PAC**

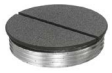
Description	Catalog Number
Duplex/Duplex (2) Duplex openings for power and/or datacom applications.	**S1SPDU**
Carpet Furniture Feed Cover/Flange* (1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes carpet flange.	
Aluminum Fin.	**S1SPFFAL**
Brass Finish	**S1SPFFBRS**
Black	**S1SPFFBL**
Gray	**S1SPFFGY**
Hubbell DataCom + Power (1) 20A, 125V receptacle and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications.	**S1SP3IM**
Marked with "⏻ Controlled"	**S1SP3IMC**
Hubbell DataCom 1 unit flush Hubbell iSTATION opening and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications.	**S1SP4IM**
Extron® or FSR + Power (1) 20A, 125V receptacle. Recessed opening for (1) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates.	**S1SPEXT2**
Marked with "⏻ Controlled"	**S1SPEXT2C**
Ortronics Series II® + Power (1) 20A, 125V receptacle. Recessed opening for (3) 1 unit Ortronics Series II® modules.	**S1SPORT**
Marked with "⏻ Controlled"	**S1SPORTC**
SYSTIMAX® 4 X 4 (4) 20A, 125V receptacles. (4) Openings for SYSTIMAX® Connectivity.	**S1SP4X4SYS**
Includes ⏻ stickers.	**S1SP4X4SYSC**

Description	Catalog Number
Duplex/Style Line® Decorator (1) Duplex and (1) Style Line® decorator opening for power and/or datacom applications.	**S1SPDUSL**
Tile Furniture Feed Cover/Flange* (1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes tile flange.	
Aluminum Fin.	**S1SPFFTAL**
Brass Finish	**S1SPFFTBRS**
Black	**S1SPFFTBL**
Gray	**S1SPFFTGY**
Hubbell DataCom + Duplex (1) Duplex opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications.	**S1SPDU2IM**
Active Multimedia + Power Single 20A, 125V receptacle; (2) flush Keystone openings; (1) rectangular Style Line® decorator opening to accommodate active multimedia modules or low voltage outlet frames.	**S1SPAMM20**
Marked with "⏻ Controlled"	**S1SPAMM20C**
Extron® or FSR Single-Service Recessed opening for (2) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates.	**S1SPEXT3**
Ortronics TracJack® + Power (1) 20A, 125V receptacle. Recessed bezel for (6) Ortronics TracJack® modules.	**S1SPTRAC**
Marked with "⏻ Controlled"	**S1SPTRACC**
Siemon MAX® + Power (1) 20A, 125V receptacle. Recessed bezel for (6) Siemon MAX® modules.	**S1SPMAX**
Marked with "⏻ Controlled"	**S1SPMAXC**

*Note: *Furnished with two screw-in flexible metal conduit connectors. See Network Wiring section for complete offering of Hubbell jacks, frames and datacom accessories.*
See page P-30 for FRPT Configuration Chart.

Sub-Plate Accessories

Replacement Threaded Conduit Plugs
Used with **S1SPFFx** and **S1SPFFTx** only.
Sub-plate is supplied with plugs.



Color	1½" Plug	¾" Plug
Aluminum Finish	**S1FP15AL**	**S1FP34AL**
Brass Finish	**S1FP15BRS**	**S1FP34BRS**
Black	**S1FP15BL**	**S1FP34BL**
Gray	**S1FP15GY**	**S1FP34GY**

Description	Catalog Number	
Replacement for **S1SPMAX.** Sub-plate is supplied with data frame. Works with Siemon MAX®.	**S1DFMAX**	
Replacement for **S1SPTRAC** sub-plate. Sub-plate is supplied with data frame. Works with Ortronics TracJack®.	**S1DFTRAC**	
Blank Style Line® decorator frame, Black.	**NS620BK**	
2-Port Style Line® decorator frame, Black.	**ISF2BK**	
4-Port Style Line® decorator frame, Black.	**ISF4BK**	
6-Port Style Line® decorator frame, Black.	**ISF6BK**	

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Fire-Rated Poke-Throughs

ScrubShield® Complies with UL514A

SystemOne Flush Configuration Chart			Floor Boxes*						4" Core Hole Fire-Rated Poke-Throughs		
			Non-Metallic	Metal							
Approved for use in the City of Chicago. (except S1PFB)											
Sub-Plates			S1PFB	S1CFB	S1SFB	S1SFBCR	S1SFBAV	S1SFBAVCR	S1PTFIT	S1PT4X4FIT	S1PTAVFIT
S1SP	Style Line® Decorator/GFCI		3	3.5	3.5	3.5	3.5	3.5	✓+	✗	✓
S1SPDU	Duplex/Duplex		3	3.5	3.5	3.5	3.5	3.5	✓+	✗	✓
S1SPDUSL	Duplex/Style Line® Decorator		3	3.5	3.5	3.5	3.5	3.5	✓+	✗	✓
S1SP4X4 **S1SP4X4PA** **S1SP4X4SYS**	Hubbell 4 X 4 Panduit Mini-Com® 4 X 4 SYSTIMAX® 4 X 4		4	4	4	4	4	4	✗	✓+	✗
S1SP4X4C **S1SP4X4PAC** **S1SP4X4SYSC**	Marked with "⏻ Controlled"										
S1SPTL	Twist-Lock® Receptacle + Data		4	4	4	4	4	4	✗	✓+	✗
S1SP3IM	Hubbell DataCom + Power		5	5	5	5	5	5	✓	✗	✓+
S1SP4IM	Hubbell DataCom		3.5	3.5	3.5	3.5	3.5	3.5	✓	✗	✓+
S1SPDU2IM	Hubbell DataCom + Duplex		5	5	5	5	5	5	✓	✗	✓+
S1SPSL2IM	Hubbell DataCom + Style Line® Decorator		5	5	5	5	5	5	✓	✗	✓+
S1SPFFxx (Carpet) **S1SPFFTxx** (Tile)	Furniture Feed Cover/Flange (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).		3	3.5	3.5	3.5	3.5	3.5	✓	✗	✓+
S1SPEXT1 **S1SPEXT1C**	Extron® or FSR + Power Marked with "⏻ Controlled"		4	4	4	4	4	4	✓	✗	✓+
S1SPEXT2 **S1SPEXT2C**	Extron® or FSR + Power Marked with "⏻ Controlled"		4	4	4	4	4	4	✓	✗	✓+
S1SPEXT3	Extron® or FSR Single-Service		4.5	4.5	4.5	4.5	4.5	4.5	✓	✗	✓+
S1SPEXT4 **S1SPEXT4C**	Extron® or FSR + Power Marked with "⏻ Controlled"		4	4	4	4	4	4	✓	✗	✓+
S1SPORT **S1SPORTC**	Ortronics Series II® + Power Marked with "⏻ Controlled"		5	5	5	5	5	5	✓	✗	✓+
S1SPTRAC **S1SPTRACC**	Ortronics TracJack® + Power Marked with "⏻ Controlled"		5	5	5	5	5	5	✓	✗	✓+
S1SPMAX **S1SPMAXC**	Siemon MAX® + Power Marked with "⏻ Controlled"		5	5	5	5	5	5	✓	✗	✓+
S1SPAMM20 **S1SPAMM20C**	Active Multimedia + Flush Keystone + Power Marked with "⏻ Controlled"		5	5	5	5	5	5	✓	✗	✓+
S1CFCxx (Carpet) **S1TFCxx** (Tile)	SystemOne Floor Boxes and FRPTs use SystemOne Universal Covers (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).										

Signifies minimum depth of concrete pour in inches for Hubbell SystemOne Floor Boxes.

✓+ Recommended Floor Fitting ✓ Alternative Floor Fitting ✗ Not Compatible

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Traditional Flush 2X2 FRPT 3 Inch Core Hole Units, for Use In Concrete Floors

2X2 Flush FRPT, One-Piece Units (PT2X2FIT)

Description	Color	Catalog Number
2X2 Poke-Through Non-metallic Cover	Black/Aluminum	**PT2X2ALU3**
	Black/Aluminum	**PT2X2IGALU3**
	Black	**PT2X2BL**
	Gray	**PT2X2GY**
	Black	**PT2X2IGBL***
	Gray	**PT2X2IGGY***

- Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks
- Painted or brushed aluminum flange
- Approved for use in the City of Chicago



Description	Color/Material	Catalog Number
2X2 Poke-Through	Black/Brass	**PT2X2BRS3**
	Brass Finish/Brass	**PT2X2BRS**
	Black/Brass	**PT2X2IGBRS3***
	Brass Finish/Brass	**PT2X2IGBRS***

- Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks
- Solid brass flange
- Approved for use in the City of Chicago



*Note: *Includes pre-wired 20A isolated ground Style Line® decorator duplex receptacle.*

2X2 Flush FRPT, Two-Piece Units

Description	Catalog Number
Multi-Channel Through-Floor Fitting with (1) ¾ in. EMT stem with junction box for power and (2) ½ in. EMT stems for low voltage.	**PT2X2FIT**



Specifications:

- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)
- For 2¼ in. to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area
- Approved for use in the City of Chicago

Service Fittings

Description	Color	Catalog Number
2X2 Service Fitting Non-metallic Cover/ Aluminum Flange	Black/Aluminum	**PT2X2SFALU3**
	Black	**PT2X2SFBL**
	Gray	**PT2X2SFGY**

- Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks
- Painted or brushed aluminum flange



Description	Color/Material	Catalog Number
2X2 Service Fitting Non-metallic Cover/ Brass Flange	Black/Brass	**PT2X2SFBRS3**
	Brass Finish/Brass	**PT2X2SFBRS**

- Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks
- Solid brass flange



Accessories

Description	Color/Material	Catalog Number
Non-metallic Replacement Covers	Brass Finish	**PT2X2CBRS**
	Black	**PT2X2CBL**
	Gray	**PT2X2CGY**



Description	Color/Material	Catalog Number
Closure Plug Textured aluminum plug seals 3 in. core hole when FRPT is no longer required and is removed. Maintains the floor's 1 – 4 hour fire rating. UL Listed and CSA Certified.	Gray	**FRP250**



Note: See page P-43 for technical information.

ScrubShield® Complies with UL514A

Traditional Flush Duplex FRPT 3 Inch Core Hole Units, for Use In Concrete Floors

Flush Duplex FRPT, One-Piece Units

Description	Color	Catalog Number
Flush Poke-Through	Black	**PT7FSDBLA**
	Brown	**PT7FSDBRA**
	Gray	**PT7FSDGYA**
	Ivory	**PT7FSDIA**
	Gray	**PT7IGFSDGYA***
	Ivory	**PT7IGFSDIA***

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- Non-metallic flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Painted aluminum flange



Description	Color/Material	Catalog Number
Flush Brass Poke-Through	All Brass	**PT7FSDBRS2A**
	Black/Brass	**PT7FSDBRS3A**
	All Brass	**PT7IGFSDBRSA***

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- All brass or black non-metallic cover option
- Flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Solid brass flange



*Note: *Includes pre-wired 20A isolated ground duplex receptacle.*

Flush FRPT, Two-Piece Units

Description	Catalog Number
Multi-Channel Through-Floor Fitting with (1) ¾ in. EMT stem for power and (2) ½ in. low voltage feed-through holes.	**PT7FSD** (with Junction Box) **PT73SD** (without Junction Box)



Specifications:
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)
- For 2¼ in. to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area

Service Fittings

Description	Color	Catalog Number
Flush Aluminum Service Fitting	Black	**FRFBLA**
	Brown	**FRFBRA**
	Gray	**FRFGYA**
	Ivory	**FRFIA**

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- Non-metallic flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Painted aluminum flange



Description	Color/Material	Catalog Number
Flush Brass Service Fitting	Solid Brass	**FRFBRS2A**

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- Solid brass flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Solid brass flange



Accessories

Description	Color	Catalog Number
Non-metallic Replacement Covers	Black	**PFBRCBLA**
	Brown	**PFBRCBRA**
	Gray	**PFBRCGYA**
	Ivory	**PFBRCIA**



Description	Color/Material	Catalog Number
All Brass Replacement Covers	Solid Brass	**BRS2RCA**



Note: See page P-35 for 3 Inch FRPT accessories.
See page P-43 for technical information.

Traditional Flush Furniture Feed FRPT 3 Inch Core Hole Units, for Use In Concrete Floors

Large Capacity, Single-Service Flush Furniture Feed FRPT, Two-Piece Units

Description	Catalog Number
Large Capacity, Single-Service Through Floor Fitting with (1) 2 in. EMT stem. Will accommodate up to 36 Category 6 cables.	**PT2FIT**

Specifications:

- 1- to 2-hour fire rating
- Single-Service, Power or Data
- For 2¼ to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area
- Approved for use in the City of Chicago



Description	Color/Material	Catalog Number
Large Capacity Cover/Flange	Brass Finish	**FF2BRS**
	Black	**FF2BK**
	Gray	**FF2GY**

Specifications:

- Cover/flange with 1¼ in. and 2 in. trade size combination knockout
- Painted aluminum cover and flange
- Approved for use in the City of Chicago



Note: See page P-44 for technical information.

Flush Furniture Feed FRPT, One-Piece Units

Description	Color	Catalog Number
3-Service Furniture Feed Poke-Through	Black	**PT73FFSDBK**
	Gray	**PT73FFSDGY**
	Ivory	**PT73FFSDI**

Complete assembled unit includes:

- PT73SD floor fitting
- Aluminum cover with (2) ½ in. threaded hubs for low voltage and (1) ¾ in. threaded hub for power
- Painted aluminum flange



Description	Color	Catalog Number
Single-Service Furniture Feed Poke-Through	Black	—
	Gray	**PT7FFSDGY**
	Ivory	**PT7FFSDI**

Complete assembled unit includes:

- PT71SD floor fitting
- Aluminum cover with (1) KO to accept a ¾ in. connector
- Painted aluminum flange



Note: See page P-44 for technical information.

Flush Furniture Feed FRPT, Two-Piece Units

Description	Catalog Number
3-Service Furniture Feed Through-Floor Fitting with (1) ¾ in. EMT stem for power and (2) ½ in. low voltage conduit holes.	**PT73SD**

Specifications:

- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)



Description	Catalog Number
Single-Service Furniture Feed Through-Floor Fitting with (1) ¾ in. EMT stem for power or low voltage applications.	**PT71SD**

Specifications:

- For 2¼ to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area



Service Fittings

Description	Color	Catalog Number
3-Service Furniture Feed Service Fitting	Black	**FRF3BK**
	Gray	**FRF3GY**
	Ivory	**FRF3I**

Complete assembled unit includes:

- Aluminum cover with (2) ½ in threaded hubs for low voltage and (1) ¾ in. threaded hub for power
- Painted aluminum flange



Description	Color	Catalog Number
Single-Service Furniture Feed Service Fitting	Brass Finish	**FRF1BRS**
	Black	**FRF1BK**
	Gray	**FRF1GY**

Complete assembled unit includes:

- Aluminum cover with (1) KO to accept a ¾ in. connector
- Painted aluminum flange



Note: See page P-35 for 3 Inch FRPT accessories.
See page P-44 for technical information.

Painted Pedestal FRPT 2 and 3 Inch Core Hole Units, for Use In Concrete Floors

3 Inch Core Hole, Two-Piece Unit

Description	Catalog Number
Large Capacity Multi-Service Pedestal Through-Floor Fitting with (1) 1¼ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications. Specifications: • 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design) • For 2¼ in. to 7 in. floor thickness • Approved for use in the City of Chicago	**PT7XC**



2 Inch Core Hole, Two-Piece Unit

Description	Catalog Number
Multi-Service Pedestal Through-Floor Fitting with (1) ¾ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications. Specifications: • 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design) • For 2¼ in. to 7 in. floor thickness • Approved for use in the City of Chicago	**PT27A**



Note: See page P-45 for technical information.

Pedestal Service Fittings (Order 1 plate per gang)

Description	Color/Material	Catalog Number
2-Gang	Alum. Finish Black Gray	**FR280ALA** **FR280BKA** **FR280GYA**

Use with PT27A only.



FR280BKA

Description	Color	Catalog Number
4-Gang	Black Gray	**FR480BKA** **FR480GYA**

Use with PT27A or PT7XC.



FR480GYA

Description	Color	Catalog Number
6-Gang	Black Gray	**FR680BKA** **FR680GYA**

Use with PT27A or PT7XC.

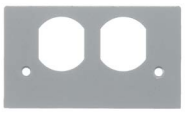
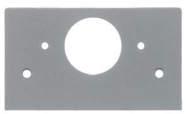


FR680BKA

- Painted aluminum housing with low voltage barrier(s); plates and devices sold separately
- For additional barriers, use **FRBR1**, see page P-33.
- UL Listed and CSA Certified

Note: See page P-45 for technical information.

Pedestal Face Plates (Order 1 plate per gang)

Description	Color/Material	Catalog Number	
Duplex	Black Gray	**SS2309DBKA** **SS2309DGYA**	
Style Line®/ GFCI	Black Gray	**SS2309SLBKA** **SS2309SLGYA**	
Single receptacle (1.39 in. OD)	Black Gray	**SS2309SBKA** **SS2309SGYA**	
Blank	Alum. Finish Black Gray	**SS2309BALA** **SS2309BBKA** **SS2309BGYA**	

Description	Color/Material	Catalog Number	
Furniture feed (¾ in. KO)	Alum. Finish Black Gray	**SS2309FALA** **SS2309FBKA** **SS2309FGYA**	
Furniture feed (1 in. KO)	Black Gray	**SS2309F1BKA** **SS2309F1GYA**	
Bushed data opening (1 in. ID)	Black Gray	**SS2309TBKA** **SS2309TGYA**	

- Painted aluminum plates
- UL Listed and CSA Certified

Brushed Aluminum Pedestal FRPT 3 Inch Core Hole Two-Piece Units, for Use In Concrete Floors

Through-Floor Fitting

Description	Catalog Number
Large Capacity Multi-Service Pedestal Through-Floor Fitting with (1) 1¼ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications. Specifications: • 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design). • For 2¼ in. to 7 in. floor thickness. • Approved for use in the City of Chicago.	**PT7XC**



Pedestal Service Fitting

Description	Color/Material	Catalog Number
2-Gang Pedestal Service Fitting For use with PT7XC only. Specifications: • Brushed aluminum housing with low voltage barrier. Plates and devices sold separately.	Brushed Aluminum	**FR80AL**



Note: See pages P-45 and P-46 for technical information.

Plates

Description	Catalog Number	
Duplex	**SS309D**	
Style Line®/GFCI	**SS309DS**	
Single receptacle (1.39 in. OD)	**SS309S**	
Blank	**SS309B**	

Description	Catalog Number	
Furniture feed (¾ in. KO)	**SS309SF***	
Furniture feed, blank	**SS309BF***	
Bushed data opening (1 in. ID)	**SS309T**	
• 302/304 stainless steel plates (SS309SF and SS309BF are aluminum). • UL Listed and CSA Certified.		

*Note: *For furniture feed applications using **SS309SF**, a blank **SS309BF** must be used for second plate.*

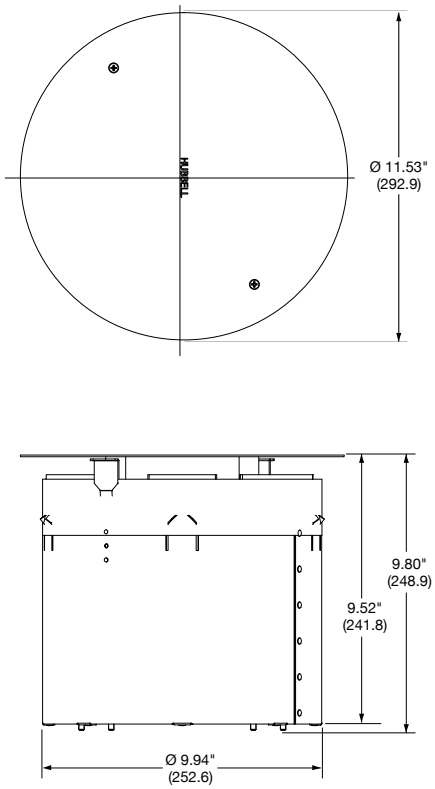
3 Inch Core Hole FRPT Accessories

Description	Color	Catalog Number	
Flush FRPT Abandonment Plate Use with PT7FSD, PT73SD or PT71SD only. Covers the opening when FRPT is abandoned. Service fitting is removed and through-floor fitting remains.	Gray Ivory	**AP2GY** **AP2I**	
Multi-Service Furniture Feed Replacement Inserts Use as a replacement cover for PT73FFSD series, or to convert installed PT7FSD series into furniture feed FRPTs. Includes (2) ½ in. threaded hubs for low voltage and (1) ¾ in. threaded hub for power. (UL Listed only.)	Gray Ivory	**FF3GY** **FF3I**	
Replacement Low Voltage Barrier Use with FR280, FR480, and FR680 pedestal service fittings only when additional power/low voltage separation is required.		**FRBR1**	

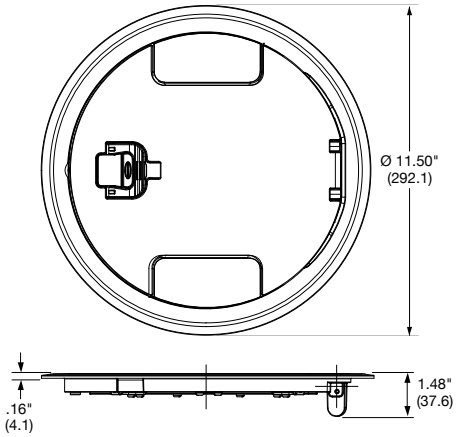
Description	Color/Gang	Catalog Number	
PT7XC Extension Kit Extends PT7XC FRPT to accommodate between 7 in. and 13 in. floor thickness.	—	**EXT13**	
Pedestal FRPT Abandonment Plate Use with PT27A or PT7XC only. Covers the opening when FRPT is abandoned. Service fitting is removed and through-floor fitting remains.	Gray/ 2-gang Gray/ 4-gang	**AP22** **AP42**	 

Hubbell SystemOne Recessed 10 Inch Series

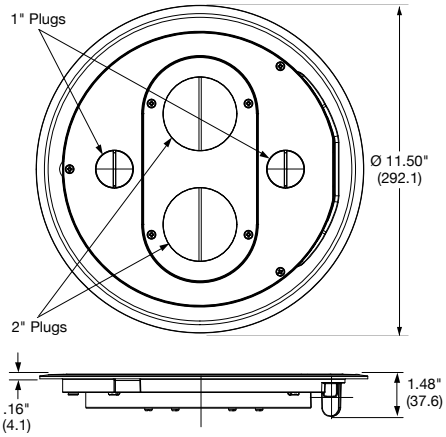
S1R10PTFIT Series

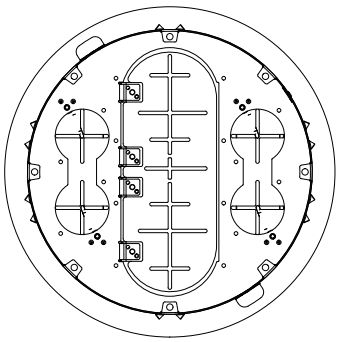


S1R10CVR Recessed Cover Series



S1R10CVRFF Cover Series





Fitting Bottom View

Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black and gray powder coat.
- S1R10PSPZ series sub-plates supplied with pre-wired dual 20A receptacles. Wired with three #12 AWG solid conductors.
- Receptacles can be wired as dual circuit and isolated ground.
- S1R10FFCVR series furnished with one (2) 1 in. to ¾ in. threaded reducer
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

Application Data

- Mounted in 10 in. (254.0) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

	S1R10PT Recessed Series		S1R10PT FF Series	
Fire Resistance Rating	2-Hrs. (D900)		2-Hrs. (D900)	
Max. Copper Cross Section	Center Chamber .0978 sq. in.	Perimeter Chambers (each) .0408 sq. in.	Each 1 in. Power Hub .1304 sq. in.	Each 2 in. Low Voltage Hub .0962 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

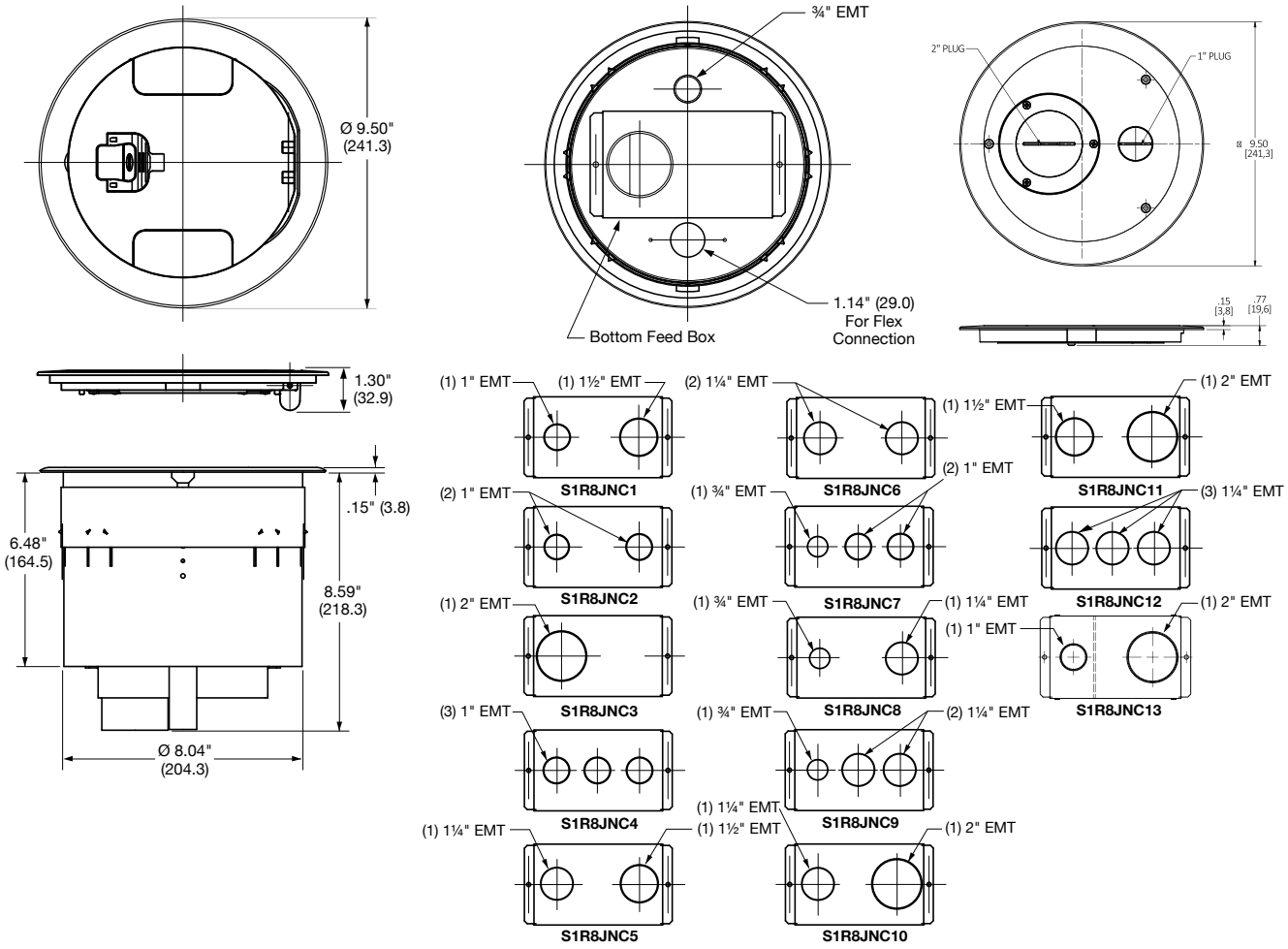
Note: The above product data pertains to both kitted units and through-floor fittings.
When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

ScrubShield® Complies with UL514A

Hubbell SystemOne Recessed 8 Inch Series

S1R8PT Series



Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black powder coat.
- S1R8PSPZ sub-plate supplied with pre-wired dual 20A receptacle. Wired with three #12 AWG solid conductors.
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

Application Data

- Mounted in 8 in. (203.2) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

	S1R8PT Series		S1R8PT FF Series	
Fire Resistance Rating	2-Hrs. (D900)		2-Hrs. (D900)	
Max. Copper Cross Section	Perimeter Chambers (each) .0154 sq. in.	Center Chamber .0633 sq. in.	1 in. Power Hub .1304 sq. in.	2 in. Low Voltage Hub .0962 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

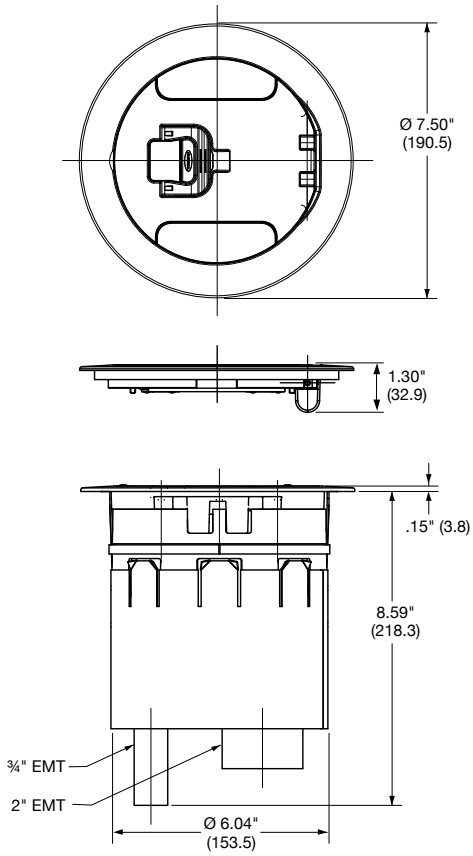
For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both kitted units and through-floor fittings.
When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

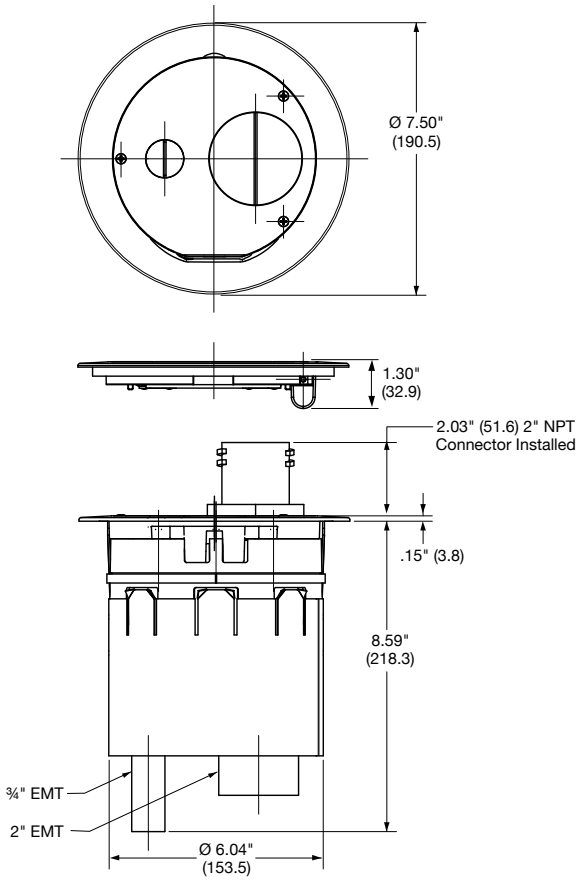
Dimensions in Inches (mm)

Hubbell SystemOne Recessed 6 Inch Series

S1R6PT Series



S1R6PTFF Series



Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black powder coat.
- S1R6SPZ sub-plate supplied with pre-wired dual 20A receptacle. Wired with three #12 AWG solid conductors.
- S1R6SPH sub-plate supplied with pre-wired quad 20A receptacle. Wired with six #12 AWG solid conductors. Receptacle can be wired as dual circuit and isolated ground.
- S1R6FFCVR series furnished with one (1) ¾ in. and one (1) 2 in. screw-in flexible metal conduit connectors.
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

Application Data

- Mounted in 6 in. (152.4) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

	S1R6PT Series		S1R6PTFF Series	
Fire Resistance Rating	2-Hrs. (D900)		2-Hrs. (D900)	
Max. Copper Cross Section	¾ in. Power EMT .0307 sq. in.	2 in. Low Voltage EMT .0348 sq. in.	¾ in. Power EMT .0815 sq. in.	2 in. Low Voltage EMT .0962 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

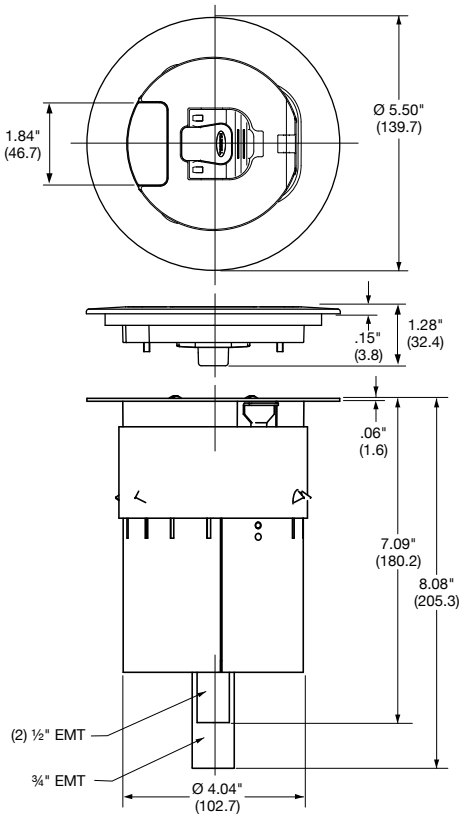
For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both kitted units and through-floor fittings.
When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

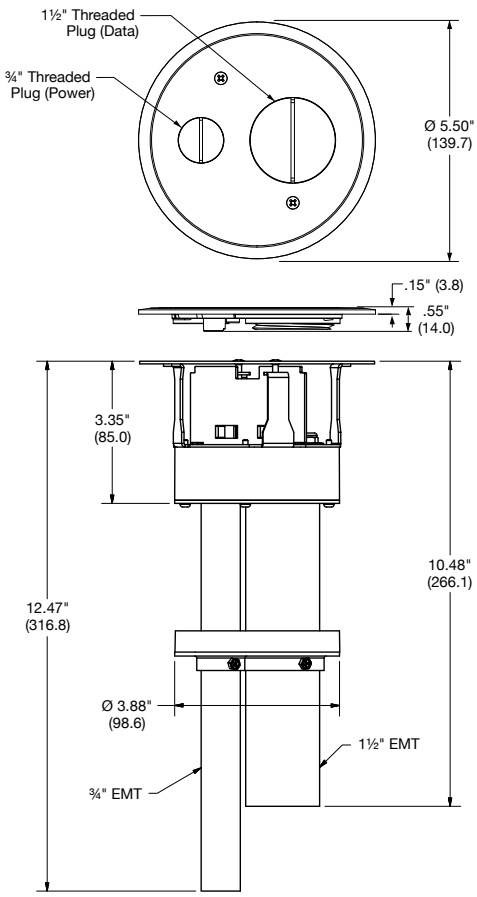
Dimensions in Inches (mm)

Hubbell SystemOne Recessed 4 Inch Series

S1R4PT Series



S1R4PT Series



Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum, black or gray powder coat.
- S1R4SPQUAD sub-plate supplied with pre-wired quad 20A receptacle. Wired with six #12 AWG solid conductors. Receptacle can be wired as dual circuit and isolated ground.
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- S1R4PT Series UL Listed for fire resistance in 1-2 hour rated D900 series floors.
- S1R4PTFF & S1R4PTAV Series UL Listed for fire resistance in 1-4 hour rated D900 series floors.
- Approved for use in the City of Chicago without junction box.
- Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

	S1R4PT Series		S1R4PTFF & S1R4PTAV Series	
Fire Resistance Rating	2-Hrs. (D900)		4-Hrs. (D900)	
Max. Copper Cross Section	¾ in. Power EMT .0408 sq. in.	½ in. Low Voltage EMT .008 sq. in.	¾ in. Power EMT .072 sq. in.	1½ in. Low Voltage EMT .100 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

S1R4PT Series use in 1, 1½ or 2 hour rated unprotected reinforced floors or 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). Also as applies to S1R4PTFF & S1R4PTAV Series except for 1-4 hours. UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

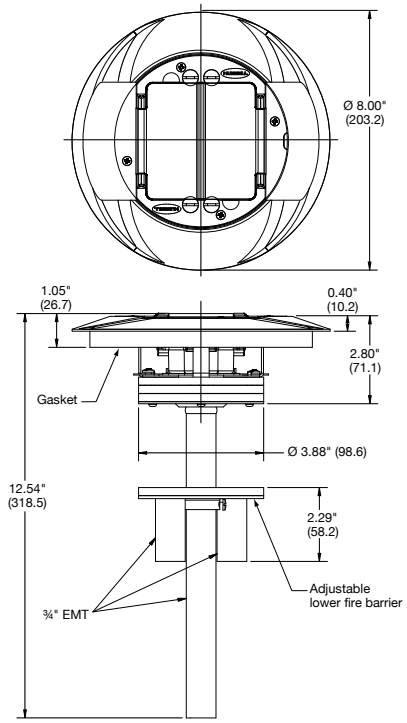
Note: The above product data pertains to both kitted units and through-floor fittings.
When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

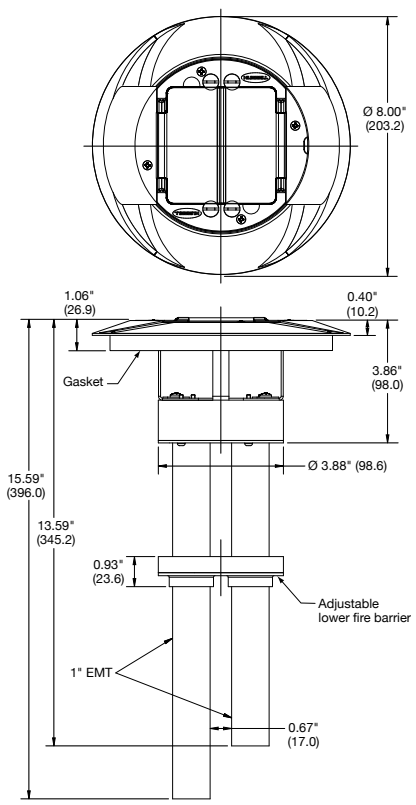
ScrubShield® Complies with UL514A

Hubbell SystemOne Flush 4 Inch Series

S1PT4X4 Series



S1PT Series



Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level."
- S1SP4X4 sub-plate supplied with pre-wired, molded, four position 20A, 125V, black receptacle, NEMA 5-20R.
- S1SP4X4 wired with six thermally protected #14 AWG THHN stranded copper conductors, receptacle can be wired as dual-circuit and isolated ground.
- S1SP4X4 accepts four (4) Hubbell HXJ6, HXJ5E, HXJU; category 6A, 6, 5e, and USOC, and flush series jacks.
- S1SP sub-plate accepts two (2) 15A or 20A Style Line® decorator receptacles, Style Line® data frames, and/or one (1) GFCI or surge receptacle.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm^2)
#23	.00040 sq. in. (.258mm^2)
#22	.00050 sq. in. (.322mm^2)
#14	.00323 sq. in. (2.083mm^2)
#12	.00512 sq. in. (3.303mm^2)
#10	.00815 sq. in. (5.258mm^2)
# 8	.01296 sq. in. (8.361mm^2)

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 4 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

	S1PT4X4 Series	S1PT Series
Fire Resistance Rating	4-Hrs. (D900)	4-Hrs. (D900)
Max. Copper Cross Section	¾ in. Power EMT .0307 sq. in.	1 in. Power EMT .0307 sq. in.
	¾ in. Low Voltage EMT .016 sq. in.	1 in. Low Voltage EMT .024 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

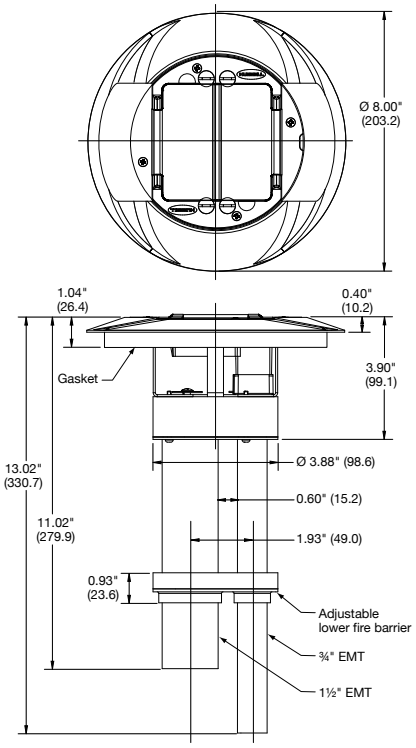
For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 1½, 2, or 3 hour rated floors employing steel form units and concrete topping (D900 Series designs), or concrete floors with suspended ceilings.

Note: The above product data pertains to both one-piece units, three-piece units and through-floor fittings. When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

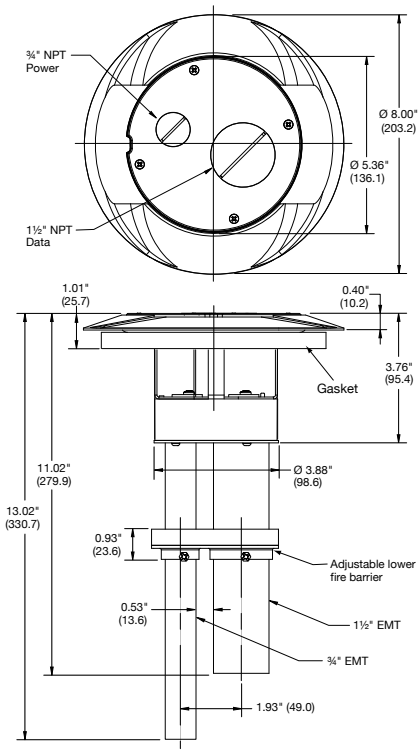
Dimensions in Inches (mm)

Hubbell SystemOne Flush 4 Inch Series

S1PTAVFIT and S1PT3IM Series



S1PTFF Series



Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level."
- S1PTFF series aluminum conduit insert cover with one (1) ¾ in. and one (1) 1½ in. die-cast threaded plugs.
- S1PTFF series furnished with one (1) ¾ in. and one (1) 1½ in. screw-in flexible metal conduit connectors.
- S1PT3IM series sub-plate supplied with pre-wired single 20A 125V black receptacle, NEMA 5-20R.
- S1PT3IM wired with three #12 AWG THHN stranded copper conductors.
- S1PT3IM sub-plate also accepts three unit recessed Hubbell iSTATION; 15-Pin VGA, RCA, S-Video, 3.5 mm stereo and XLR microphone jacks.
- Meets UL 514A scrubwater exclusion requirements.

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 4 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm^2)
#23	.00040 sq. in. (.258mm^2)
#22	.00050 sq. in. (.322mm^2)
#14	.00323 sq. in. (2.083mm^2)
#12	.00512 sq. in. (3.303mm^2)
#10	.00815 sq. in. (5.258mm^2)
# 8	.01296 sq. in. (8.361mm^2)

UL Listed Wiring Capacity

	S1PTAVFIT and S1PT3IM Series	S1PTFF Series	
Fire Resistance Rating	4-Hrs. (D900)	4-Hrs. (D900)	
Max. Copper Cross Section	¾ in. Power EMT .0307 sq. in.	¾ in. Power EMT .072 sq. in.	1½ in. Low Voltage EMT .100 sq. in.
	1½ in. Low Voltage EMT .048 sq. in.		

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

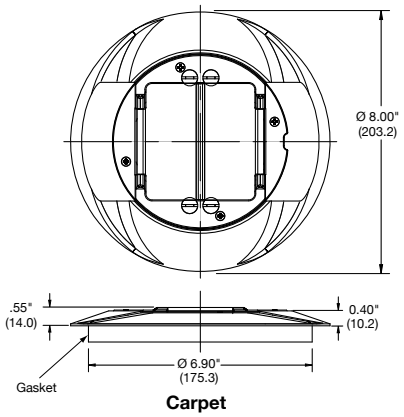
For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 1½, 2, or 3 hour rated floors employing steel form units and concrete topping (D900 Series designs), or concrete floors with suspended ceilings.

Note: The above product data pertains to both one-piece units, three-piece units and through-floor fittings. When connecting0 conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

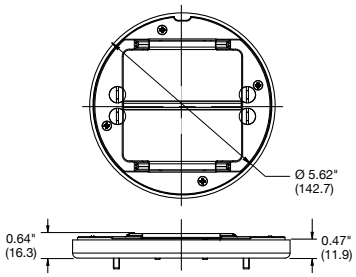
Dimensions in Inches (mm)

Hubbell SystemOne Flush 4 Inch Series

S1CFC and S1TFC Series

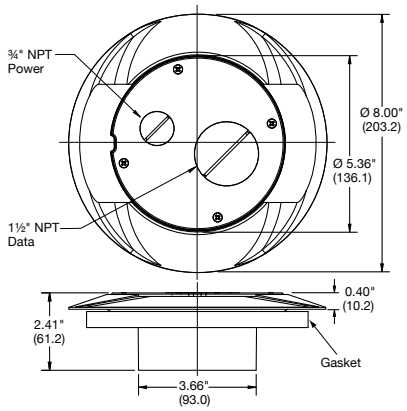


Carpet

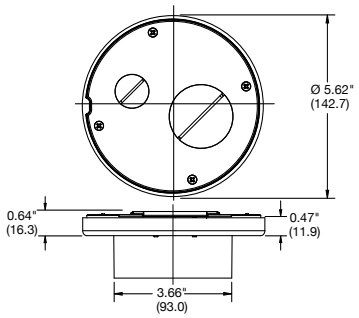


Tile

S1SPFF and S1SPFFT Series



Carpet



Tile

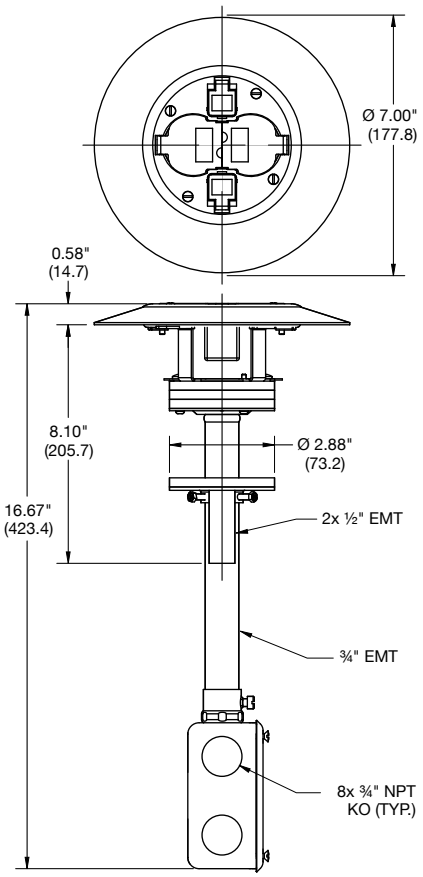
Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level."
- S1SPFF and S1SPFFT series aluminum conduit insert cover with one (1) ¾ in. and one (1) 1½ in. die-cast threaded plugs.
- S1SPFF and S1SPFFT series furnished with one (1) ¾ in. and one (1) 1½ in. screw-in flexible metal conduit connectors.
- Meets UL 514A scrubwater exclusion requirements.

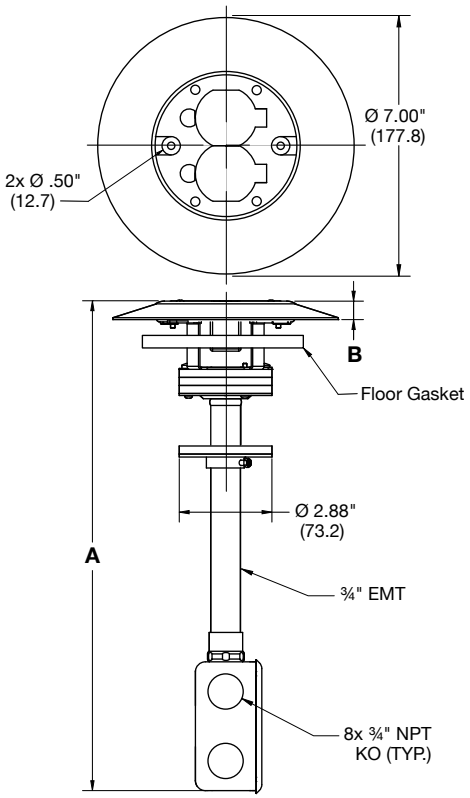
Dimensions in Inches (mm)

Hubbell 3 Inch Series

PT2X2 Series



PT7 Series



Series	Dimension A	Dimension B
Thermoplastic cover with aluminum flange.	13.24 in. (336.2)	.51 in. (13.0)
Brass cover and flange.	13.20 in. (335.2)	.49 in. (12.4)

Product Information

- PT7 series supplied with flush thermoplastic cover with matching painted aluminum flange (black, brown, gray, ivory) or solid brass cover and flange.
- PT2X2 series supplied with Hubbell pre-wired HBL2162BK; black Stye Line® or IG2162 (isolated ground) receptacle, NEMA 5-20R, 20A, 125V.
- PT2X2 series supplied with two (2) Hubbell HXJ6BK black jacks; category 6, UL Listed, 110 type contacts.
- PT7 series supplied with Hubbell pre-wired HBL5352 or IG5362 (isolated ground) series receptacle, NEMA 5-20R, 20A, 125V.
- PT7 series supplied with two (2) ½ in. low voltage feed through holes. Two (2) feed through bushings supplied (cover will not accept data jacks).
- Wired with three (3) #12 AWG THHN stranded copper conductors.
- Supplied with 13.0 cu. in. junction box having eight (8) ¾ in. knockouts.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

Application Data

- Mounted in 3 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 2¼ to 7 in. (57.2 to 177.8).
- UL Listed for fire resistance in 1 – 4 hour rated floors.
- Approved for use in the City of Chicago (PT2X2 series).
- Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

	PT2X2 Series		PT7 Series	
Fire Resistance Rating	4-Hrs. (D900)		4-Hrs. (D900)	
Max. Copper Cross Section	¾ in. Power EMT .0155 sq. in.	½ in. Data EMT .0026 sq. in.	¾ in. Power EMT .0155 sq. in.	Low Voltage EMT .0250 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

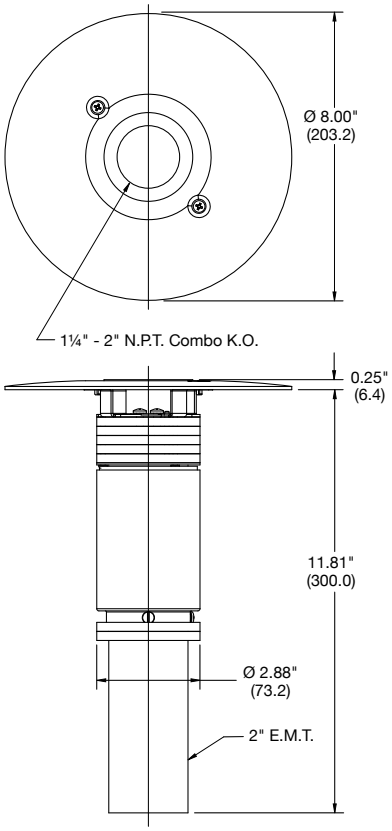
For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.
The above product data pertains to both one-piece units and through-floor fittings.

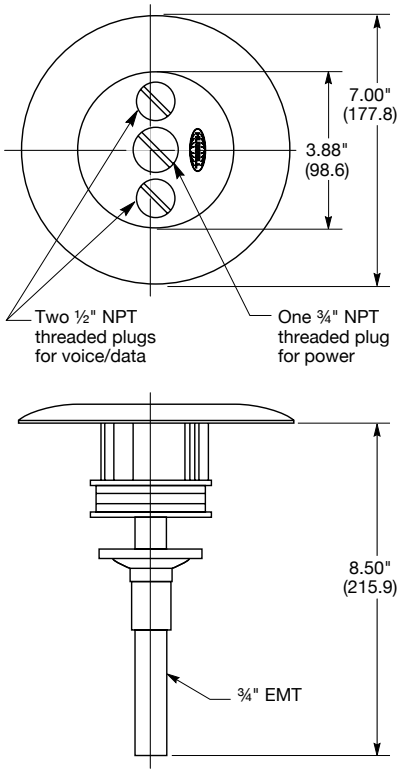
Dimensions in Inches (mm)

Hubbell 3 Inch Series

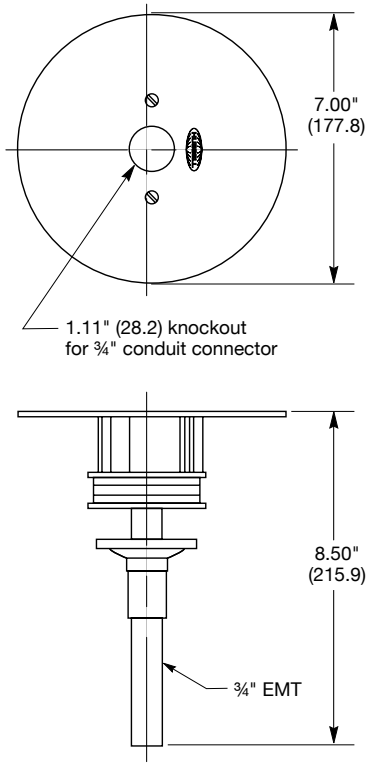
PT2FIT Series



PT73FFSD Series



PT7FFSD Series



Product Information

PT2FIT series

- Flush aluminum service fitting with epoxy paint finish (gray, black and brass finish).
- Aluminum conduit cover with 2.47 in. (62.7) and 1.74 in. (44.2) combination knockouts to accept a 2 in. or 1¼ in. NPT flexible metal conduit connector.

PT73FFSD series

- Flush painted aluminum service fitting and carpet flange (color finish options: black, gray and ivory).
- Aluminum conduit insert cover with one (1) ¾ in. and two (2) ½ in. die-cast threaded plugs.
- Supplied with one (1) ¾ in. and two (2) ½ in. screw-in flexible metal conduit connectors.

PT73FFSD series

- Flush aluminum service fitting with epoxy paint finish (color finish options: gray, ivory and brass finish).
- Aluminum conduit cover with 1.11 in. (28.2) knockout to accept a ¾ in. NPT flexible metal conduit connector.

Application Data

- Mounted in 3 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 2¼ in. to 7 in. (57.2 to 177.8).
- PT2FIT series has single-service, power or data.
- UL Listed for fire resistance in 1 – 2 hour (PT2FIT series) rated floors.
- UL Listed for fire resistance in 1 – 4 hour (PT73FFSD and PT7FFSD series) rated floors.
- Approved for use in the City of Chicago (PT2FIT series).
- Not intended to be used in high traffic installations and not intended to support furniture.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

UL Listed Wiring Capacity

	PT2FIT Series	PT73FFSD Series		PT7FFSD Series
Fire Resistance Rating	2-Hrs. (D900)	4-Hrs. (D900)		4-Hrs. (D900)
Max. Copper Cross Section	2 in. EMT .0922 sq. in.	¾ in. EMT .0470 sq. in.	½ in. Feed Through .0250 sq. in.	¾ in. EMT .0500 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

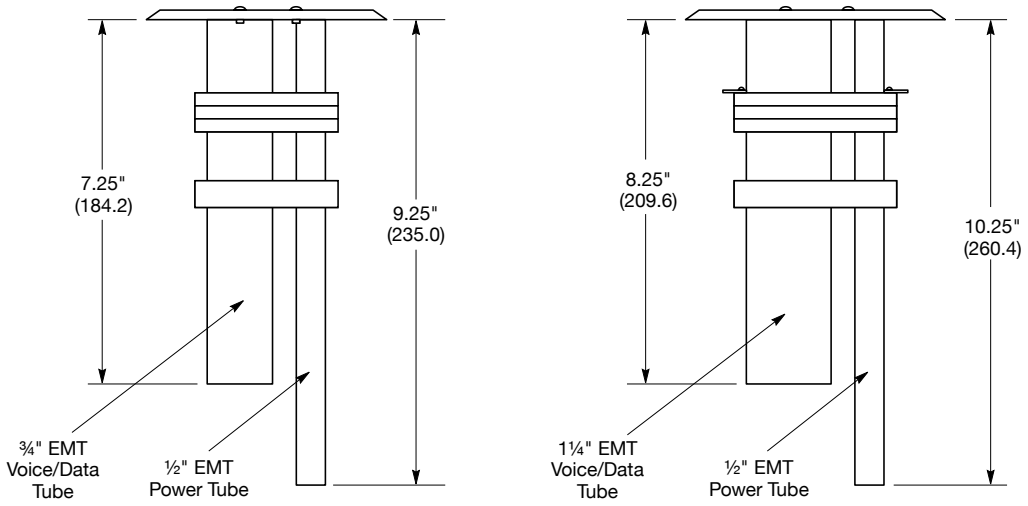
For use in 1, 1½, or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both one-piece units and through-floor fittings.
When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

Pedestal FRPT Series

Pedestal Fitting Series



Applications	PT27A	PT7XC
Mounting	2 in. (50.8) diameter hole.	3 in. (76.2) diameter hole.
Floor Thickness Range	2¼ in. to 7 in. (57.2 to 177.8)	2¼ in. to 7 in. (57.2 to 177.8)
Fire Rating	For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated employing steel floor units and concrete topping (D900 series design).	For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping (D900 series design).
Service Pedestal Options	FR280, FR480, FR680 Series.	FR480 and FR680 Series.

Note: Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

Power Wiring Capacity	½ in. EMT power tube Handles: Up to ten #12 AWG type THHN wires, or Up to six #12 AWG and two #10 AWG type THHN wires.		½ in. EMT power tube Handles: Up to ten #12 AWG type THHN wires, or Up to six #12 AWG and two #10 AWG type THHN wires.	
Voice/Data Wiring Capacity	¾ in. EMT low-voltage tube Handles: Up to two 25 pair tel./data cables (100 #22 AWG tel./data conductors), or Up to two IBM Type 2 data cables.		1¼ in. EMT low-voltage tube Handles: Up to four 25 pair tel./data cables (200 #22 AWG tel./data conductors), or Up to five IBM Type 2 data cables and four 8-conductor tel./data cables.	
Total Allowable Copper Cross-Sectional Area	½ in. Power EMT .0461 sq. in.	¾ in. Low Voltage EMT .0500 sq. in.	½ in. Power EMT .0461 sq. in.	1½ in. Low Voltage EMT .1000 sq. in.

When conductors larger than #22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the #22 AWG conductors permitted in the low voltage compartment.

Note: When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics

Listing	UL File Number	UL File Number
Outlet Box	E31999	E31999
Fire Resistance	R8429	R8429

For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. O.C. and not more than one unit per each 65 sq. ft. of floor area in each span.

Chicago Approved

Catalog Number	City of Chicago File Number
PT27A, PT7XC	5587E

These through-floor fittings are approved for the City of Chicago. Installation requires a plenum-rated 1900 series box or a handy box with gasketed cover. These boxes are to be affixed with compression gland-type connectors.

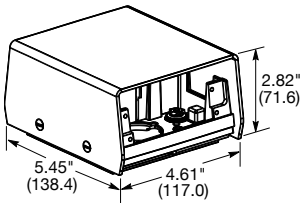
Dimensions in Inches (mm)

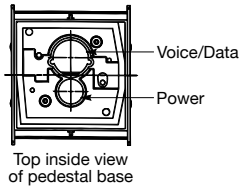
Pedestal FRPT Series

Painted and Brushed Aluminum Series

Dimensions

2-Gang – FR280 Series (Use with PT27A Only)

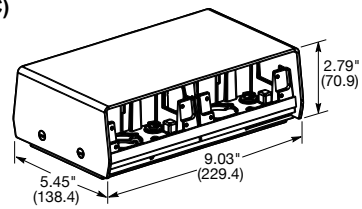


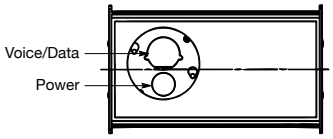


Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service)	39.00 in. (638.8cm^3)	
Cubic Inch Capacity	Power	19.5 in. (319.4cm^3)
(when divided for multi-service)	Voice/Data	19.5 in. (319.4cm^3)
Service Pedestal Construction	Heavy gauge galvanized steel frame with aluminum housing and face plates.	
Pedestal Finish	Textured black or gray epoxy paint.	

4-Gang – FR480 (Use with PT27A or PT7XC)

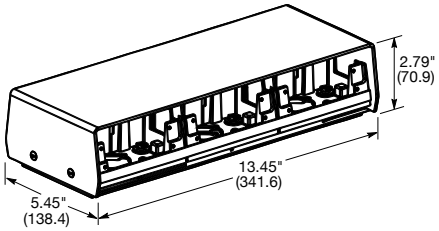


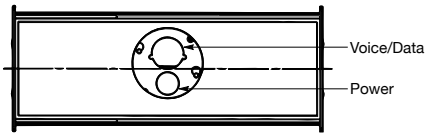


Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service)	78.00 in. (1277.6cm^3)	
Cubic Inch Capacity	Power	39.00 in. (638.8cm^3)
(when divided for multi-service)	Voice/Data	39.00 in. (638.8cm^3)
Service Pedestal Construction	Heavy gauge galvanized steel frame with aluminum housing and face plates.	
Pedestal Finish	Textured black or gray epoxy paint.	

6-Gang – FR680 (Use with PT27A or PT7XC)

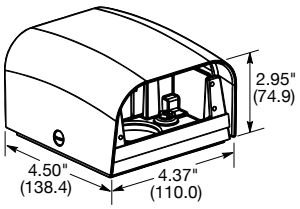


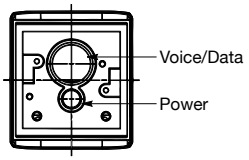


Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service)	117.00 in. (1916.4cm^3)	
Cubic Inch Capacity	Power	58.5 in. (958.2cm^3)
(when divided for multi-service)	Voice/Data	58.5 in. (958.2cm^3)
Service Pedestal Construction	Heavy gauge galvanized steel frame with aluminum housing and face plates.	
Pedestal Finish	Textured black or gray epoxy paint.	

2-Gang – FR80AL (Use with PT7XC Only)





Top inside view of pedestal base

Total Cubic Inch Capacity (single service)	33.00 in. (540.9 cu cm^3)	
Cubic Inch Capacity	Power	8.80 in. (144.2cm^3)
(when divided for multi-service)	Voice/Data	26.70 in. (437.6cm^3)
Service Pedestal Construction	Heavy gauge aluminum frame with satin anodized aluminum housing with 302/304 stainless steel face plates.	
Pedestal Finish	Brushed.	

Dimensions in Inches (mm)

SECTION Q

Table of Contents









Powered Seating Boxes



USB Charging Receptacles



Tri-Power Countertop Pop-Up Receptacle



Product	Page
Powered Seating Boxes	Q-3
USB Charging Receptacles	
Type-C, Type A&C and Type A	Q-4
SNAPConnect® USB Charger	Q-5
4 Port and 2 Port, Switch Combo Outlets	Q-5
2X2 USB Work Surface Pop-Up Boxes	Q-5
PlugTrak® Raceway with USB Charger Outlets	Q-5
Surface Mount Countertop Receptacles	Q-6

Features and Benefits

HUBBELL ON-the-GO CHARGING

Convenient Charging Stations

Powered Seating Boxes

Hubbell's On-the-Go Powered Seating Boxes fulfill customers' need for power accessibility. As the use of electronic devices has increased, the demand for charging has followed. Powered Seating Boxes provide an easy means of charging user's devices while meeting custom space requirements. Seating boxes can easily be attached to waiting area seating arrangements, conference tables, lecture halls, anywhere convenient power is needed.





Housing Design

- Rugged design features satin aluminum construction body with impact-resistant polycarbonate end caps
- Make any furniture or seating area into a convenient charging station
- Available with up to 4 boxes per unit



Powered Seating Boxes

- Parallel module wiring keeping individual seating boxes from losing power up and downstream
- Push to reset circuit breaker—trip electronically and reset manually



Charging Power

- Fast charging speeds delivering up to 5 amps of charging power
- Green power LED provides visual indication of power to the devices



Installation

- Security Torx-screw minimizes the potential for customers to open or tamper with units
- Hardwired permanently connected power and interconnecting cords
- Available with heavy-gauge durable powder coated steel mounting bracket



USB ports

- Smooth insertion tamper-resistant devices provide an extra level of safety to your customers
- Overcurrent protection—12 amp string and 5 amp individual module protection



Configurations

- Powered seating boxes are available in convenient bracketed configurations that easily attach to any flat surface
- Unbracketed configurations are also available





SP15USB1

Powered Seating Boxes

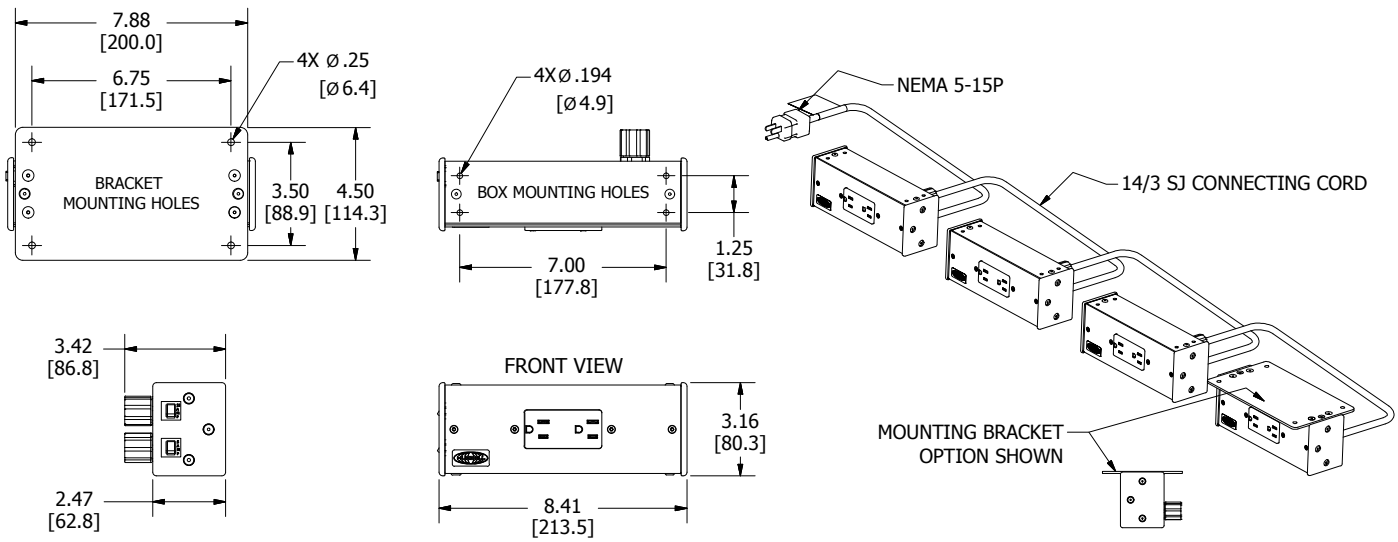
Description	Cord Length*	Boxes per Unit*	Without Mounting Bracket	With Mounting Bracket
Powered Seating Box with dual USB ports. (1) USB Type-A port: 5A,5V, and (1) Power Delivery USB Type-C port: 55W	10 ft power and 5 ft connecting cords	1	**SP15USB1**	**SP15USB1B**
		2	**SP15USB2**	**SP15USB2B**
		3	**SP15USB3**	**SP15USB3B**
		4	**SP15USB4**	**SP15USB4B**

*Note: *Special constructions are available with up to 7 boxes and up to 25 ft. of power cord. Contact you local Hubbell representative for more information.*
Options for USB Type-C and hospital grade receptacles are also available

Specifications

- UL, cULus
- Meets construction and safety testing standards for UL962A Furniture Power Distribution Units

Dimensions Inches (mm)



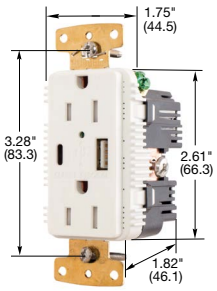
Dimensions in Inches (mm)



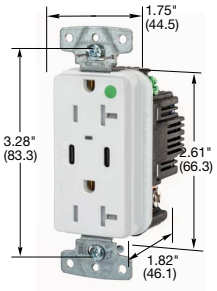
USB Charging Receptacles Type-C • Type A&C • Type A

Hubbell USB Chargers are available in the new Type-C port, a combination unit with Type A&C, and the legacy Type A. All with the increase in power to a 5 Amp 5 Volt USB port adds capacity so that there is always ample current to support multiple device charging. Portable mobile manufacturers are using the faster Type-C ports. More phones, tablets and other electronic devices are expected to use this new standard.

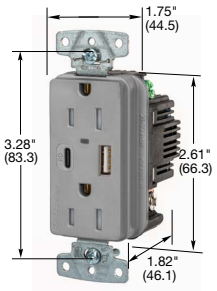
- Compliant with USB BC1.2 battery charging and 3.0 power delivery
- Compatible with USB 2.0, 3.0 and 3.1 devices
- USB Type-C port is legacy USB Type A compatible (adapter cord - not included)
- Heavy duty stainless steel USB ports; rated for 10,000 cord insertions and removals
- Patented Hubbell Tamper-Resistant technology uses cam action shutters
- Designed for commercial, industrial and home use
- Weather resistant receptacles meets Section 406.9 of NEC®
- Weather resistant receptacles available in Type A&C USB ports only



USB15AC5WWR



USB8300CPDW



USB15ACPDGY

Weather Resistant USB Charger Duplex Receptacles

Description	Color	15A 125V	20A 125V
Type A&C USB Charger Receptacle, One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant Commercial Grade USB ports rated 10,000 cycles.	Black	**USB15AC5BKWR**	**USB20AC5BKWR**
	Brown	**USB15AC5WR**	**USB20AC5WR**
	Gray	**USB15AC5GYWR**	**USB20AC5GYWR**
	Ivory	**USB15AC5IWR**	**USB20AC5IWR**
	Light Almond	**USB15AC5LAWR**	**USB20AC5LAWR**
	White	**USB15AC5WWR**	**USB20AC5WWR**

Note: Outdoor circuits should be GFCI protected per national and local electric codes.

USB Charger Duplex Receptacles Type-C and Type A-C

Description	Color	15A 125V	20A 125V
Hospital Grade USB Charger Receptacle, two Type-C port configurations, (1) USB-C Power Delivery port with up to 55W output and (1) USB-C Convenience port 1.5A, 5V output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	**USB8200CPDBK**	**USB8300CPDBK**
	Brown	**USB8200CPD**	**USB8300CPD**
	Gray	**USB8200CPDGY**	**USB8300CPDGY**
	Ivory	**USB8200CPDI**	**USB8300CPDI**
	Light Almond	**USB8200CPDLA**	**USB8300CPDLA**
	Red	**USB8200CPDR**	**USB8300CPDR**
	White	**USB8200CPDW**	**USB8300CPDW**
Hospital Grade USB Charger Receptacle, (1) USB-C Power Delivery port with up to 55W of output and (1) USB-Type A convenience port 1.5A, 5V output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	**USB8200ACPDBK**	**USB8300ACPDBK**
	Brown	**USB8200ACPD**	**USB8300ACPD**
	Gray	**USB8200ACPDGY**	**USB8300ACPDGY**
	Ivory	**USB8200ACPDI**	**USB8300ACPDI**
	Light Almond	**USB8200ACPDLA**	**USB8300ACPDLA**
	Red	**USB8200ACPDR**	**USB8300ACPDR**
	White	**USB8200ACPDW**	**USB8300ACPDW**
Commercial Grade USB Charger Receptacle, two Type-C port configurations, (1) USB-C Power Delivery port with up to 55W output and (1) USB-C Convenience port 1.5A, 5V output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	**USB15CPDBK**	**USB20CPDBK**
	Brown	**USB15CPD**	**USB20CPD**
	Gray	**USB15CPDGY**	**USB20CPDGY**
	Ivory	**USB15CPDI**	**USB20CPDI**
	Light Almond	**USB15CPDLA**	**USB20CPDLA**
	White	**USB15CPDW**	**USB20CPDW**
Commercial Grade USB Charger Receptacle, (1) USB-C Power Delivery port with up to 55W of output and (1) USB-Type A convenience port 1.5A, 5V output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	**USB15ACPDBK**	**USB20ACPDBK**
	Brown	**USB15ACPD**	**USB20ACPD**
	Gray	**USB15ACPDGY**	**USB20ACPDGY**
	Ivory	**USB15ACPDI**	**USB20ACPDI**
	Light Almond	**USB15ACPDLA**	**USB20ACPDLA**
	White	**USB15ACPDW**	**USB20ACPDW**

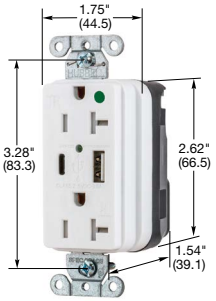
Note: See page Tech-10 for Tamper-Resistant description. See section N for wallplates.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

SNAP*Connect*® USB Charger Duplex Receptacles

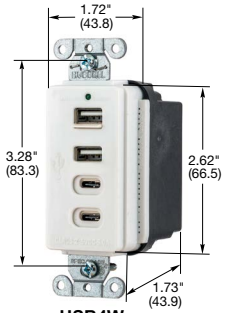
Description	Color	15A 125V AC	20A 125V AC
Hospital Grade SNAPConnect USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output.	Black	**SNAP8200UACBK**	**SNAP8300UACBK**
	Brown	**SNAP8200UAC**	**SNAP8300UAC**
	Gray	**SNAP8200UACGY**	**SNAP8300UACGY**
	Ivory	**SNAP8200UACI**	**SNAP8300UACI**
	Light Almond	**SNAP8200UACLA**	**SNAP8300UACLA**
	Red	**SNAP8200UACR**	**SNAP8300UACR**
	White	**SNAP8200UACW**	**SNAP8300UACW**
SNAPConnect USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output.	Black	**SNAP15UACBK**	**SNAP20UACBK**
	Brown	**SNAP15UAC**	**SNAP20UAC**
	Gray	**SNAP15UACGY**	**SNAP20UACGY**
	Ivory	**SNAP15UACI**	**SNAP20UACI**
	Light Almond	**SNAP15UACLA**	**SNAP20UACLA**
	White	**SNAP15UACW**	**SNAP20UACW**
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.	Solid	**SNAP1RNA**	**SNAP1RNA**
	Stranded	**SNAP2RNA**	**SNAP2RNA**



SNAP8300UACW

4 Port USB Charger Outlets

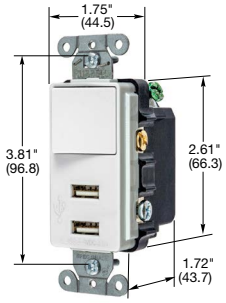
Description	Color	Catalog Number
USB Charger Outlets, 4 USB ports, two Type A & two Type-C ports, 5 Amp up to 9 Volt DC, Style Line® decorator.	Black	**USB4ACBK**
	Brown	**USB4AC**
	Gray	**USB4ACGY**
	Ivory	**USB4ACI**
	Light Almond	**USB4ACLA**
	White	**USB4ACW**



USB4W

Switch Combo Outlets

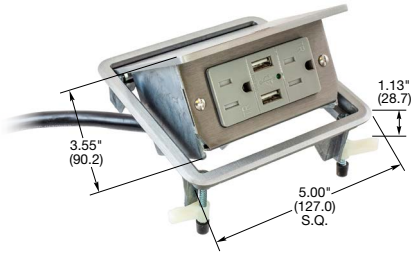
Description	Color	Catalog Number
Switch Combo Outlet, two USB type 2.0 ports, 2.1 Amp, 5 Volt DC, Style Line® decorator.	Black	**USB102BK**
	Brown	**USB102**
	Gray	**USB102GY**
	Ivory	**USB102I**
	Light Almond	**USB102LA**
	White	**USB102W**



USB102W

2X2 USB Work Surface Pop-Up Boxes

Surface Dimensions	Cut Out Dimensions	Product Depth	Maximum Surface Thickness	Finish	Catalog Number
5" x 5"	4.62" x 4.62"	3.55"	1.125"	Brushed Aluminum	**WSBUSB2X2ALU**
5" x 5"	4.62" x 4.62"	3.55"	1.125"	Black Powder Coat	**WSBUSB2X2BLK**



WSBUSB2X2ALU

PlugTrak® Raceway with USB Charger Outlets

USB type 2.0 ports, 2.4 Amp, 5 Volt DC, 15 Amp, 125 Volt AC receptacles.

Material	Length	Ends	# of USB Ports	# of Single Receptacles	Color	Catalog Number
Steel	3 ft.	6 in. leads	2	2	Ivory	**HBL20GB312UIV**
Steel	6 ft.	6 in. leads	4	4	Ivory	**HBL20GB612UIV**
Aluminium	3 ft.	6 in. leads	2	2	Aluminum	**HBLALU20GB312U**
Aluminium	6 ft.	6 in. leads	4	4	Aluminum	**HBLALU20GB612U**
Non-metallic	6 ft.	6 in. leads	4	8	Office White	**PT156112U***
Portable - Plug in						
Steel	40 in.	6 ft. cord and plug	2	4	Ivory	**HBL20C215UIV**
Non-metallic	36 in.	6 ft. cord and plug	2	4	Office White	**PT153112UP***

*Note: *For additional colors add "BK" for Black or "W" for white.*


HBL20GB312UIV **PT153112UP**
HBLALU20GB612U

Dimensions in Inches (mm)

Charging Solutions

Surface Mount Countertop Receptacles

Hubbell's Pop-Up Receptacles for countertops provide a power source ideal for residential and commercial locations. Hubbell is the first to market a countertop receptacle listed under UL498 Section 146 Spill Test. Silicon gaskets built into the receptacle creates a water-resistant seal up to a half gallon of liquid.



Because Spills Happen

- Spill water tested
- Self sealing silicon gaskets at the face
- Watertight interior

Install With Ease

- Permanent installation ready for hardwire
- Accepts non-metallic sheathed cable and/or metal conduit
- Suitable for 20 Amp circuit, end of line
- Push-down to pop-up function is rated for a minimum of 10,000 cycles
- Tower design ensures secure fitment

User Friendly

- Type A and C USB ports
- LED Light indicates power to the ports

Certified

- UL Listed for countertop installation (UL 498 Section 146-151)
- Meets NEC 406.5 (E) for countertop surfaces. Plug-in products are non-compliant



Tops in Black, White, and Grey





Surface Mount Countertop Receptacles

Flange Color		Top Color	15 AMP	20 AMP
	Nickel	Black, White, & Gray	**RCT600NI**	**RCT620NI**
	Aluminum	Black, White, & Gray	**RCT600ALU**	**RCT620ALU**
	Black	Black	**RCT600BK**	**RCT620BK**
	White	White	**RCT600W**	**RCT620W**
	Chrome	Black, White, Gray	**RCT600CH**	**RCT620CH**
	Bronze	Black, White, Gray	**RCT600BZE**	**RCT620BZE**
	Brass	Black, White, Gray	**RCT600BR**	**RCT620BR**

SECTION R

Table of Contents



Two Duplex Receptacles or Blank Pole



Isolated Ground with and without Surge Suppression



GFCI Self Test Duplex Receptacles



Product	Page
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Features and Benefits	R-3
Aluminum Series Offering	R-4
Custom Pole Configurations	R-5
Division 16 Specifications	R-6

Aluminum Service Poles

Products at a Glance



Two Duplex Receptacles or Blank Pole

- (2) 20A 125V Style Line® duplex receptacles; one circuit
- Available in three standard lengths: 10' 2", 12' 2" and 15' 2" to accommodate a variety of applications
- Available in five attractive durable paint colors: gray, ivory, black, white and office white painted or clear anodized aluminum finish to suit every need



Isolated Ground with and without Surge Suppression

- (1) Orange isolated ground 20A 125V Style Line® duplex receptacle; (1) 20A 125V Style Line® duplex receptacle; two circuits
- (2) Orange isolated ground 20A 125V Style Line® duplex receptacles; (1) isolated ground surge suppression 20A 125V duplex receptacle; one circuit



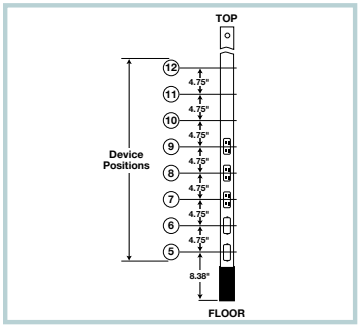
GFCI Self Test and Duplex Receptacles

- (1) 20A 125V GFCI Self Test duplex receptacle with (2) ground fault protected 20A 125V Style Line® duplex receptacles; one circuit



Adjustable T-Bar and Trim Kit

- Adjustable T-bar for mounting poles in the center of the ceiling tiles
- All service poles include ceiling trim plates, replacements also available in office white



Custom Pole Configurations

- Create your own custom service poles using the chart on page R-5
- For configurations that require additional customization, please consult Hubbell Technical Services



Aluminum Service Poles

Features and Benefits

Aluminum Series Offering

Hubbell offers a line of attractive and durable Aluminum Service Poles which distribute wiring from above the ceiling to workstations below.

They are offered in standard lengths of 10' 2", 12' 2" and 15' 2" with a variety of electrical wiring devices. Poles with three service capability have a divider to separate power and low voltage wiring.

Available in varying lengths and colors, custom options maximize space and allow workstations, retail checkout areas, collaboration areas, digital signage, vending machines, appliances and kiosks to be positioned away from the wall.

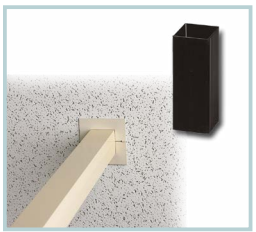
- Factory ordered custom pole lengths and configurations available for special applications
- UL listed





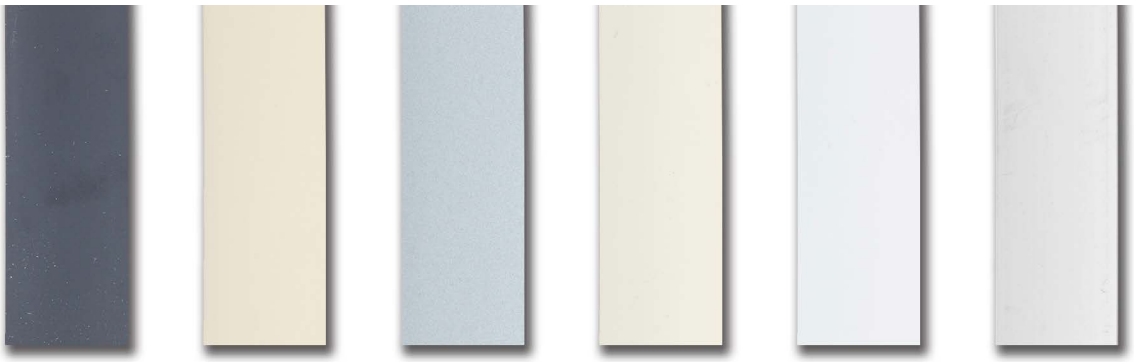
Colors Available

- Available in five attractive durable paint colors: gray, ivory, black, white and office white painted and clear anodized aluminum finishes to suit every need



Accessories

- Each pole include a ceiling trim mounting plate and bottom scuff boot



Black | Ivory | Gray | Office White | White | Clear Anodized Aluminum

Aluminum Service Poles

Aluminum Series Offering



HBLPP10AI



HBLPP10IGA

HBLPP10SAI



HBLPP10GFW



ATB



PPTRIM1

Three Service Aluminum Service Poles

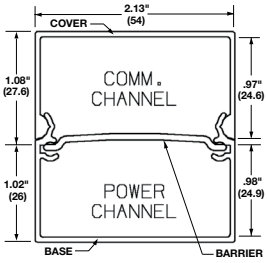
Description	Color	10' 2" (3.10m)	12' 2" (3.71m)	15' 2" (4.62m)
(2) 20A 125V Style Line® duplex receptacles; one circuit	Black	**HBLPP10BK**	**HBLPP12BK**	**HBLPP15BK**
	Gray	**HBLPP10A**	**HBLPP12A**	**HBLPP15A**
	Ivory	**HBLPP10AI**	**HBLPP12AI**	**HBLPP15AI**
	Office White	**HBLPP10OW**	**HBLPP12OW**	**HBLPP15OW**
	White	**HBLPP10W**	**HBLPP12W**	**HBLPP15W**
	Clear Anodized Aluminum	**HBLPP10AAL**	**HBLPP12AAL**	**HBLPP15AAL**
(1) Orange isolated ground 20A 125V Style Line® duplex receptacle; (1) 20A 125V Style Line® duplex receptacle; two circuits	Black	**HBLPP10IGBK**	—	—
	Gray	**HBLPP10IGA**	—	—
	Ivory	**HBLPP10IGAI**	—	—
	Office White	**HBLPP10IGOW**	—	—
	White	**HBLPP10IGW**	—	—
	Clear Anodized Aluminum	**HBLPP10IGAL**	—	—
(2) Orange isolated ground 20A 125V Style Line® duplex receptacles; (1) isolated ground surge suppression 20A 125V duplex receptacle; one circuit	Black	**HBLPP10SBK**	—	—
	Gray	**HBLPP10SA**	—	—
	Ivory	**HBLPP10SAI**	—	—
	Office White	**HBLPP10SOW**	—	—
	White	**HBLPP10SW**	—	—
	Clear Anodized Aluminum	**HBLPP10SAL**	—	—
(1) 20A 125V GFCI Self Test duplex receptacle with (2) ground fault protected 20A 125V Style Line® duplex receptacles; one circuit	Black	**HBLPP10GFBK**	**HBLPP12GFBK**	**HBLPP15GFBK**
	Gray	**HBLPP10GF**	**HBLPP12GF**	**HBLPP15GF**
	Ivory	**HBLPP10GFI**	**HBLPP12GFI**	**HBLPP15GFI**
	Office White	**HBLPP10GFOW**	**HBLPP12GFOW**	**HBLPP15GFOW**
	White	**HBLPP10GFW**	**HBLPP12GFW**	**HBLPP15GFW**
	Clear Anodized Aluminum	**HBLPP10GFAL**	**HBLPP12GFAL**	**HBLPP15GFAL**
Blank pole; divider; (4) Style Line® device knockouts	Black	**HBLPPOBK**	**HBLPPO12BK**	**HBLPPO15BK**
	Gray	**HBLPPOA**	**HBLPPO12A**	**HBLPPO15A**
	Ivory	**HBLPPOAI**	**HBLPPO12AI**	**HBLPPO15AI**
	Office White	**HBLPPOOW**	**HBLPPO12OW**	**HBLPPO15OW**
	White	**HBLPPOW**	**HBLPPO12W**	**HBLPPO15W**
	Clear Anodized Aluminum	**HBLPPOAAL**	**HBLPPO12AAL**	**HBLPPO15AAL**

Accessories

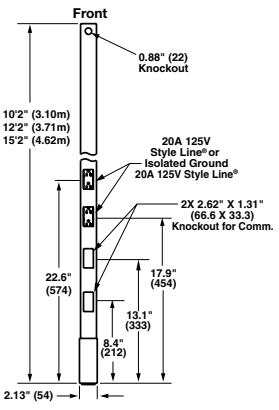
Description	Catalog Number
Adjustable T-bar assembly for mounting poles in the middle of ceiling tile.	**ATB***
Replacement service pole trim kit (office white).	**PPTRIM1***

*Note: * Not UL listed.*

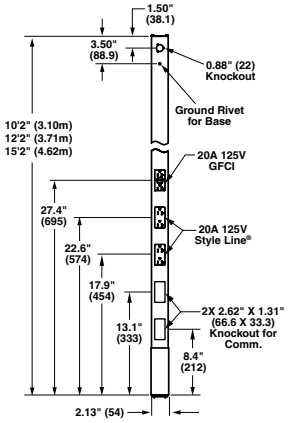
Dimensions



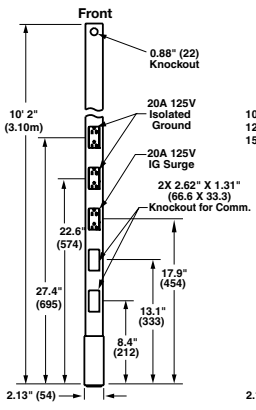
Service Pole Cross Section



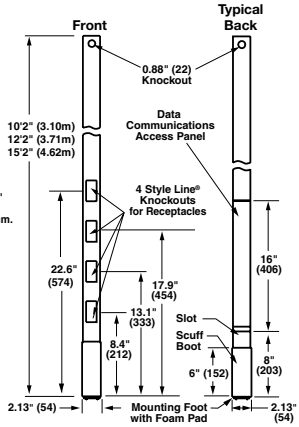
HBLPP10, HBLPP12, HBLPP15, HBLPP10IG



HBLPP10GF, HBLPP12GF, HBLPP15GF



HBLPP10S



HBLPPO, HBLPPO12, HBLPPO15

Dimensions in Inches (mm)

Custom Pole Configurations

Using the chart below, you can create a custom service pole. For configurations that require additional customization, please consult Hubbell Technical Service at (475) 882-4800.

Position			1	2	3	4	5	6	7	8	9	10	11	12	13	14
Selections	S	P	1	0	0	2	1	1	B	B	B	X	X	X	C	I

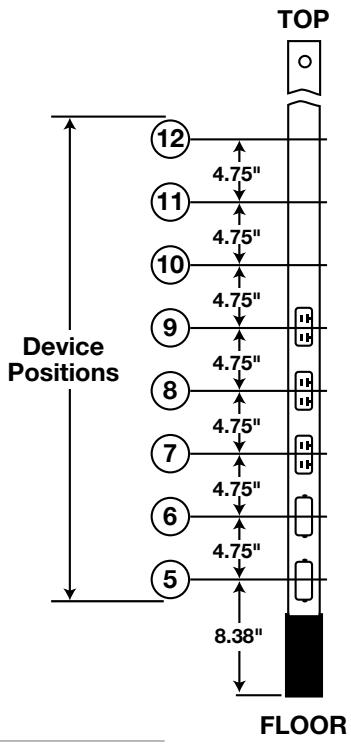
Example: SP100211BBBXXXCI

10 Feet 02 Inches, (2) Rectangular Style Line® Knockouts for Data, (3) HBL2162 Duplex Receptacles, (2) Circuits (First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2), Ivory.

Worksheet

Position			1	2	3	4	5	6	7	8	9	10	11	12	13	14
Selections	S	P														

Position 1 & 2: Height to the nearest foot.	08-22 Feet.
Position 3 & 4: Height in inches up to 11".	00-11 Inches.
Position 5, 6, 7, 8, 9, 10, 11, 12: Starting at **Position 5** Select Datacom Knockouts/Device Frames followed by Power Receptacle/Power Knockout options. If the service pole is power only, select receptacle options starting at **Position 5**. Empty **Positions** should be filled with an **"X"** to designate an empty field. *Note: If power receptacles are chosen, then power knockouts may not be chosen in the same service pole.*	**Data Selections** 1 - Rectangular Style Line® Knockout. 2 - ½" NPT Knockout (0.875" diameter). 3 - ¾" NPT Knockout (1.109" diameter). 4 - 2-Port Style Line® Data Frame, 1-Gang, 2 Port Voice/Data Frame. 5 - 3-Port Style Line® Data Frame, 1-Gang, 3 Port Voice/Data Frame. **Power Selections** 6 - Rectangular Style Line® Knockout (for blank poles only). 7 - ½" NPT Knockout (0.875" diameter, for blank poles only). 8 - ¾" NPT Knockout (1.109" diameter, for blank poles only). A - 5362, 20A, 125V AC, Duplex. B - HBL2162, 20A, 125V AC, Style Line® Decorator Duplex. C - IG5362, 20A, 125V AC, I.G. Duplex. D - IG2162, 20A, 125V AC, I.G. Style Line® Decorator Duplex. G - HBL4700, 15A, 125V AC, Twist-Lock® Duplex. H - IG4700A, 15A, 125V AC, I.G. Twist-Lock® Duplex. I - IG2310, 20A, 125V AC, I.G. Twist-Lock® Single. J - IG5361, 20A, 125V AC, I.G. Single. K - HBL5361, 20A, 125V AC, Single. L - HBL2310, 20A, 125V AC, Twist-Lock® Single. M - HBL2610, 30A, 125V AC, Twist-Lock® Single. N - HBL2320, 20A, 250V AC, Twist-Lock® Single. O - HBL2620, 30A, 250V AC, Twist-Lock® Single. Q - IG4710, 15A, 125V AC, I.G. Twist-Lock® Single. R - HBL4710, 15A, 125V AC, Twist-Lock® Single. S - HBL5662, 15A, 250V AC, Duplex. T - IG5662, 15A, 250V AC, I.G. Duplex. U - HBL5661, 15A, 250V AC, Single. V - IG5661, 15A, 250V AC, I.G. Single. W - HBL5462, 20A, 250V AC, Duplex.
Position 13: Power Circuits	Z - No Circuits (Should only be selected when the service poles has ONLY Data and/or Power knockouts). A - All devices on a single circuit. B - 2 Circuits, First Receptacle on Circuit #1, Remaining Receptacles on Circuit #2. C - 2 Circuits, First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. D - 2 Circuits, First 3 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. E - 2 Circuits, First 4 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. F - 2 Circuits, First 5 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. G - 2 Circuits, First 6 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. H - 2 Circuits, First 7 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.
Position 14: Color	I - Ivory. G - Gray. W - White. K - Black. A - Aluminum with clear anodized finish.



Aluminum Service Poles

Division 16 Specifications

Part 2: Products

2.01 Manufacturer

A. The power poles specified herein for branch circuit wiring shall be Hubbell Service Poles as manufactured by Hubbell Inc., Wiring Device-Kellems® or approved equal. Other manufacturers may be considered equal if they meet the performance requirements of this specification and have received prior written approval.

2.02 Components/Accessories

A. The hardware for mounting Service Poles in the middle of a ceiling tile shall be Hubbell adjustable T-Bar type ATB with trim plate kit type PPTRIM1.

2.03 Materials

A. Standard and Custom Aluminum Service Poles

These Service Poles shall be extruded aluminum with a heavy gauge body (.050 ±.005 inches thick) to resist denting. These poles shall be two-channel to accommodate both power and low voltage services on the same side of the pole. Service poles shall be pre-wired with #12 AWG wire and equipped with specification grade Style Line® decorator receptacles (20A, 125V). These receptacles shall be Hubbell type HBL2162xx or an approved equal. The low voltage (back) channel of the service pole shall incorporate an access panel that provides a passageway to two Style Line® communication knockouts located on the front of the pole.

Finish

Service Poles will include a painted or clear anodized finish.
Custom poles are available in Black, Gray, Ivory, Office White, White, and Clear Anodized Aluminum.

Heights

Standard Service Poles shall be available in three sizes to accommodate various ceiling heights: 10 ft. 2 in. (3.10m), 12 ft. 2 in. (3.71m) and 15 ft. 2 in. (4.62m). Custom Poles shall be available in a range of sizes, a configurator pole is 8 through 22 ft.
Other custom poles can be as short as 6 in. through 22 ft.

10 ft. 2 in. (3.10m): Hubbell type HBLPP10BK, HBLPP10A, HBLPP10AI, HBLPP10OW, HBLPP10W, and HBLPP10AAL.
12 ft. 2 in. (3.71m): Hubbell type HBLPP12BK, HBLPP12A, HBLPP12AI, HBLPP12OW, HBLPP12W, and HBLPP12AAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPP15BK, HBLPP15A, HBLPP15AI, HBLPP15OW, HBLPP15W, and HBLPP15AAL.
8-22 feet: Hubbell Custom Poles.

2. Isolated Ground

The following Service Poles contain one Hubbell isolated ground receptacle Hubbell #IG2162 and one #HBL2162xx, both 20A, 125V Style Line® decorator receptacles (wired on separate circuits). Custom poles with a variety of receptacles may also include isolated ground type devices. 10 ft. 2 in. (3.10m): Isolated Ground; Hubbell Type HBLPP10IGBK, HBLPP10IGA, HBLPP10IGAI, HBLPP10IGOW, HBLPP10IGW, and HBLPP10IGAL.

3. Surge Suppression/Isolated Ground

The following Service Poles contain one Hubbell #IG5362xxSA (20A, 125V Surge/IG Style Line® decorator duplex) and two #IG2162 (20A, 125V IG Style Line® decorator duplex) receptacles. All receptacles are wired on the same circuit, therefore providing surge protection at each outlet. Custom poles with a variety of receptacle options may also include surge suppression. 10 ft. 2 in. (3.10m): With Surge; Hubbell Type HBLPP10SBK, HBLPP10SA, HBLPP10SAI, HBLPP10SOW, HBLPP10SW, and HBLPP10SAL.

4. GFCI

The following Service Poles contain one Hubbell #GFST20 (20A, 125V GFCI Self Test Style Line® decorator duplex) and two #HBL2162 (20A, 125V Style Line® decorator duplex) receptacles. All receptacles are wired on the same circuit, the two HBL2162 are GFCI protected by being wired to the load side of the GFST20.
10 ft. 2 in. (3.10m): Hubbell type HBLPP10GFBK, HBLPP10GF, HBLPP10GFI, HBLPP10GFOW, HBLPP10GFW, and HBLPP10GFAL.
12 ft. 2 in. (3.71m): Hubbell type HBLPP12GFBK, HBLPP12GF, HBLPP12GFI, HBLPP12GFOW, HBLPP12GFW, and HBLPP12GFAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPP15GFBK, HBLPP15GF, HBLPP15GFI, HBLPP15GFOW, HBLPP15GFW, and HBLPP15GFAL.

5. Blank

The following Service Poles are two-channel and do not include receptacles or wiring. All poles include a barrier which starts between the second and third knockout positions from the bottom of the pole. Custom poles with or without a barrier are available as well.
10 ft. 2 in. (3.10m): Hubbell type HBLPPOBK, HBLPPOA, HBLPPOAI, HBLPPOOW, HBLPPOW, and HBLPPOAAL.
12 ft. 2 in. (3.71m): Hubbell type HBLPPO12BK, HBLPPO12A, HBLPPO12AI, HBLPPO12OW, HBLPPO12W, and HBLPPO12AAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPPO15BK, HBLPPO15A, HBLPPO15AI, HBLPPO15OW, HBLPPO15W, and HBLPPO15AAL.

B. Voice/Data Interface

All Service Poles must allow for acceptance of Hubbell Style Line® communication outlets.

SECTION S

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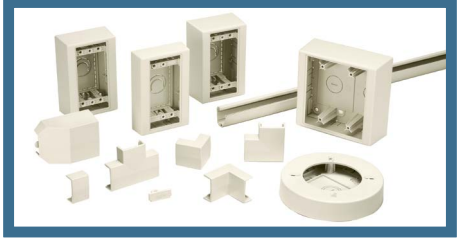
Metal Raceway and Aluminum Raceway



Non-Metallic Raceway



Pre-Wired Raceway



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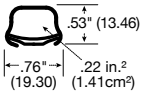
Raceway Profiles - Quick Reference Guide

Metal Raceway

Color - Ivory, Gray or White

HBL500
Ivory/White



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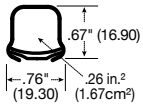
HBL700
Ivory/White



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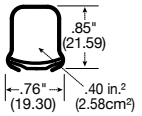
HBL750
Ivory/White



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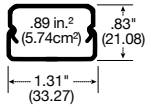
HBL2000/A
Ivory/Gray



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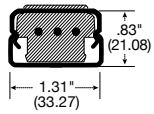
Metal PlugTrak®
Ivory/Gray



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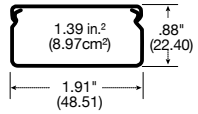
HBL2400
Ivory



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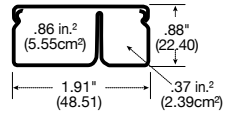
HBL2400D
Ivory



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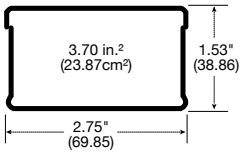
HBL3000*
Ivory/Gray



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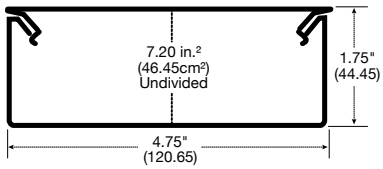
HBL4750*
Ivory/Gray



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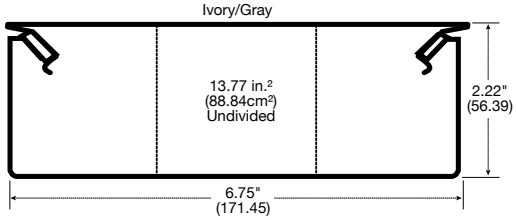
HBL6750*
Ivory/Gray



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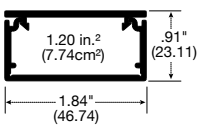
Aluminum Raceway

Color - Satin Anodized Finish

HBLALU2000



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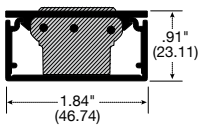
Aluminum PlugTrak®



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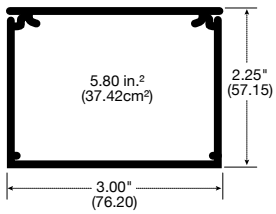
HBLALU3800*



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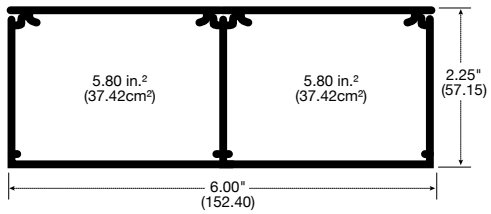
HBLALU4800*



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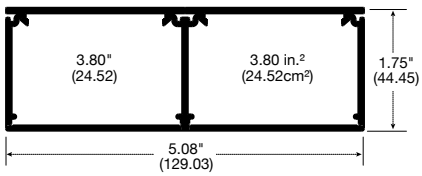
HBLALU5000*



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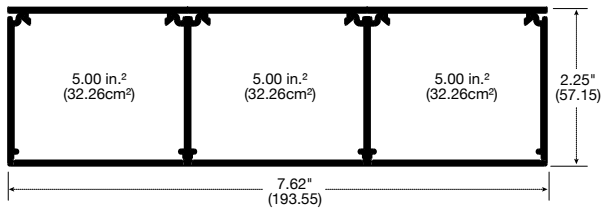
HBLALU7620*



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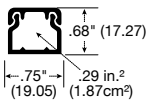
Non-Metallic Raceway

Color - Office White, White and Black

PT1



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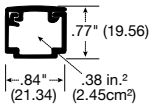
PP1



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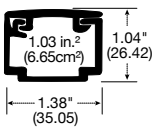
PL1



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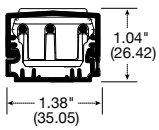
Non-Metallic PlugTrak®



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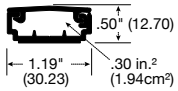
PW1



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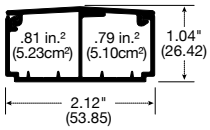
PW2



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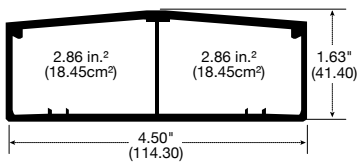
PB2*



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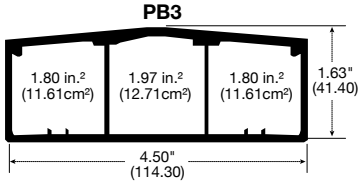
PB3



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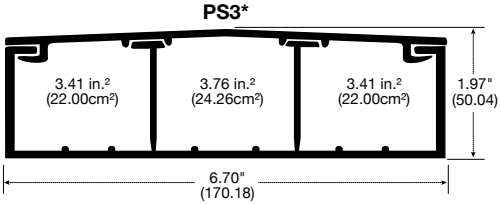
PS3*



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*Note: *Available in PRE-WIRED.*
Channel Area in Square Inches (square centimeters).

Products at a Glance



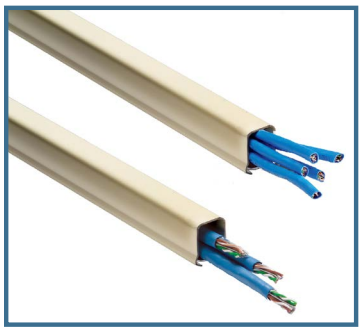
HBL500, HBL700 and HBL750 Series

- Hubbell's exclusive HBL750 Series adds an additional profile for data and electrical applications



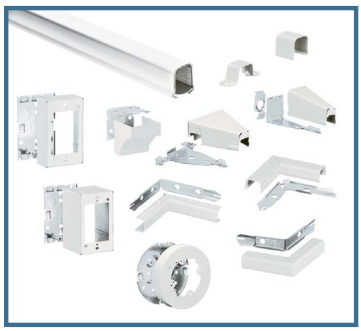
Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a “clean” look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available
See page S-45 for selection



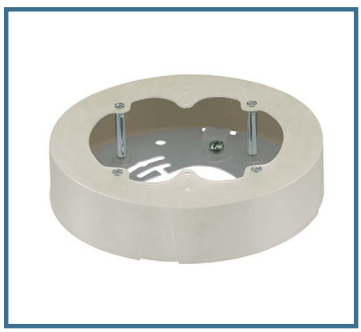
Enhanced Datacom Capabilities

- Capacity for up to five Category 5e, three Category 6, or two Category 6A cables
- Available with 1½ in. (38.10) Category 6 and 6A bend radius fittings
- Largest single channel low profile raceway available in its class
- Ideal for datacom and oversized neutral applications



White Metal Raceway

- HBL750 Series available in white
- Full line of product
- Additional color options available for architects and interior designers



Retrofit Box for Fire Alarm Detectors

- Fits most manufacturers of audible alarm systems
- Compatible with HBL500, HBL700 and HBL750 Series Metal Raceway
- Available in white and ivory

HBL500, HBL700 and HBL750 Series

HBL500, HBL700 and HBL750 Series

Description	Color	Length	HBL500 Series	HBL700 Series	HBL750 Series
Base and Cover Available in 5 ft. (1.5m) lengths, packed 50 ft. (15m) per carton and 10 ft. (3m) lengths, packed 100 ft. (30m) per carton. HBL5701C coupling furnished with each length.	Ivory	5 ft.	—	—	**HBL7505IV**
	Ivory	10 ft.	**HBL50010IV**	**HBL700IV**	**HBL75010IV**
	White	10 ft.	**HBL50010W**	**HBL700W**	**HBL75010W**
			A: .53" (13.46) B: .76" (19.30)	A: .67" (16.90) B: .76" (19.30)	A: .85" (21.59) B: .76" (19.30)





	Color	1-Gang	2-Gang	3-Gang	4-Gang	5-Gang	6-Gang
Standard	Ivory	**HBL5748IVA**	**HBL57482IVA**	**HBL57483IVA**	**HBL57484IVA**	**HBL57485IVA**	**HBL57486IVA**
	White	**HBL5748WA**	**HBL57482WA**	**HBL57483WA**	—	—	—
		A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)	A: 4.54" (115.32) B: 6.45" (163.88) C: 1.75" (44.45)	A: 4.54" (115.32) B: 8.26" (209.91) C: 1.75" (44.45)	A: 4.54" (115.32) B: 10.01" (255.93) C: 1.75" (44.45)	A: 4.54" (115.32) B: 11.89" (301.96) C: 1.75" (44.45)
Shallow	Ivory	**HBL5747IVA**	**HBL57472IVA**	**HBL57473IVA**	—	—	—
	White	**HBL5747WA**	**HBL57472WA**	—	—	—	—
		A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)	A: 4.54" (115.32) B: 6.45" (163.88) C: 1.38" (35.05)			
Deep	Ivory	**HBL5744SIVA**	**HBL5744S2IVA**	**HBL5744S3IVA**	—	—	—
	White	**HBL5744SWA**	**HBL5744S2WA**	—	—	—	—
		A: 4.54" (115.32) B: 2.82" (71.63) C: 2.25" (57.00)	A: 4.54" (115.32) B: 4.64" (117.86) C: 2.25" (57.00)	A: 4.54" (115.32) B: 6.45" (163.88) C: 2.25" (57.00)			
Extra Deep	Ivory	**HBL5744IVA**	**HBL57442IVA**	**HBL57443IVA**	—	—	—
	White	**HBL5744WA**	**HBL57442WA**	—	—	—	—
		A: 4.54" (115.32) B: 2.82" (71.63) C: 2.75" (69.85)	A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)	A: 4.54" (115.32) B: 6.45" (163.88) C: 2.75" (69.85)			
Base Trade Size KOs		2- ½"	1 - ½", ¾" Concentric 1 - Rectangular	3 - ½"	4 - ½"	5 - ½"	6 - ½"

Note: For datacom applications, box selection is dependent on depth of connectors (jacks). See pages S-45 and S-46 for datacom product selection, or visit our site at www.hubbell-wiring.com for our Full Line Catalog and additional information.



	Description	Color	1-Gang	1-Gang Deep	1-Gang Blank	2-Gang	3-Gang
Extension Boxes	**Extension Boxes** To extend exisiting flush switch and receptacle boxes. Blank is used where it is desired to blank original outlet.	Ivory	**HBL5751IVA**	**HBL5751AIVA**	**HBL5760IVA**	**HBL57512IVA**	**HBL57513IVA**
		White	**HBL5751WA**	**HBL5751AWA**	—	—	—
			A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	A: 4.54" (115.32) B: 2.82" (71.63) C: 1.13" (28.70)	A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)	A: 4.54" (115.32) B: 6.45" (163.88) C: 1.38" (35.05)

Dimensions in Inches (mm)

HBL500, HBL700 and HBL750 Series

1-Gang Specialty Boxes

Description	Color	1-Gang
Low Profile Switch/Receptacle Base has ½ in. trade size KOs.	Ivory White	**HBL5748SIVA** **HBL5748SWA** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.13" (28.70)
Combination Switch/Recept. Connects surface runs of ½ in. trade size conduit, one raceway twistout each side and three raceway twistouts top and bottom.	Ivory White	**HBL5745IVA** **HBL5745WA** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)
Utility Box* For use as a tee, cross, pull box, junction box or blank box. Base has ½ in. trade size KOs.	Ivory White	**HBL57242IVA** **HBL57242WA** A: 4.12" (104.78) B: 2.00" (50.80) C: 1.39" (35.31)

2-Gang Specialty Boxes

Description	Color	2-Gang
Alarm Device Box Surface mounting of alarm devices and safety signals.	Ivory White Red	**HBL5752IVA** — **HBL5752RA** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)
Extra Deep Alarm Device Box For surface mounting of alarm devices and safety signals. Cover is 2.75 in. (69.85) deep.	Ivory White Red	**HBL5753IVA** — **HBL5753RA** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)
Distribution Box Twistouts permit three parallel raceway runs on each side. Cover takes devices with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00), 4.06 in. (103.00) and canopy fixture not larger than 4.63 in. (117.00). Can be used with HBL5736IV (blank cover) to create junction box.	Ivory White	**HBL5735IVA** — A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)

*Note: *Use catalog number HBL5791 for connecting ½ in. EMT to HBL5745 and HBL57242 boxes.*

Round Boxes

Description	Color	4.75 inches O.D.	5.50 inches O.D.	6.38 inches O.D
Extension Box (Open Base) For mounting on 3.25 in. (83.00) or 4 in. (102.00) round or square conduit boxes or other recessed outlets. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00).	Ivory White	**HBL5737IVA** **HBL5737WA** A: 1.02" (26.00) B: 4.75" (120.65)	**HBL5737AIVA** **HBL5737AWA** A: 1.02" (26.00) B: 5.50" (140.00)	**HBL5739AIVA** — A: 1.02" (26.00) B: 6.38" (162.01)
Fixture Box (Solid Base) To hang fixtures. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00). Both boxes can be used as a pull or junction box when used with HBL5736IV/W (blank cover).	Ivory White	**HBL5738IVA** **HBL5738WA** A: 1.02" (26.00) B: 4.75" (120.65)	**HBL5738AIVA** **HBL5738AWA** A: 1.02" (26.00) B: 5.50" (140.00)	**HBL5739IVA** **HBL5739WA** A: 1.02" (26.00) B: 6.38" (162.01)

Specialty Round Boxes

Description	Color	Catalog Number
Outlet Box For devices with mounting screw centers of 1.47 in. (37.00), 1.63 in. (41.00), 1.69 in. (44.00) or 1.84 in. (46.00).	Ivory White	**HBL5733IVA** — A: 1.02" (26.00) B: 3.00" (76.00)
Fanbox with Solid Base Cover accepts fan bracket with mounting centers of 3.2 in. (81.00). Rated for fans and fixtures up to 50 lbs.	Ivory White	**HBL5738AFIVA** **HBL5738AFWA** A: .38" (9.75) B: 4.19" (106.30)
Retrofit Box for Fire Alarm Detectors For installing round alarm sensors.	Ivory White	**HBL5739AABIVA** **HBL5739AABWA** A: 1.62" (41.15) B: 6.50" (165.10)

Round Covers

Description	Color	Catalog Number
Blank Cover For use with HBL5733IVA. Has ½ in. trade size KO in center.	Ivory White	**HBL5731IV** — A: .24" (6.10) B: 2.40" (60.96)
Blank Cover For use with HBL5735IVA, HBL5737IVA/WA, HBL5737AIVA/WA, HBL5739AIVA, HBL5738IVA/WA, HBL5738AIVA/WA and HBL5739IVA/WA. Has ½ in. trade size KO in center.	Ivory White	**HBL5736IV** **HBL5736W** A: .38" (9.75) B: 4.19" (106.30)

Dimensions in Inches (mm)

HBL500, HBL700 and HBL750 Series

Elbows

Description	Color	HBL500 Series	HBL700 and HBL750 Series
Internal Elbow For inside surfaces at right angles.	Ivory White	**HBL517IV** **HBL517W** A: 3.33" (84.51) B: .58" (14.73) C: 3.33" (84.51)	**HBL717IVA** **HBL717WA** A: 3.33" (84.51) B: .90" (22.86) C: 3.33" (84.51)
External Elbow For outside surfaces at right angles.	Ivory White	**HBL518IV** **HBL518W** A: 2.59" (65.71) B: ..58" (14.73) C: 2.59" (65.71)	**HBL718IVA** **HBL718WA** A: 2.59" (65.71) B: .90" (22.86) C: 2.59" (65.71)
90˚ Flat Elbow For right angle turns on same surface.	Ivory White	**HBL511IV** **HBL511W** A: 2.68" (68.13) B: .61" (15.50) C: 2.68" (68.13)	**HBL711IVA** **HBL711WA** A: 2.68" (68.13) B: .90" (22.86) C: 2.68" (68.13)
45° Flat Elbow For diagonal 45° turns on same surface.	Ivory White	**HBL512IV** — A: 2.46" (62.61) B: .58" (14.73) C: 2.46" (62.61)	**HBL712IVA** — A: 2.70" (68.49) B: .91" (23.06) C: 2.70" (68.49)

Description	Color	HBL500, HBL700 & HBL750 Series
Internal Elbow Bend Radius For inside surface at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory White	**HBL5717BRIVA** — A: 3.33" (84.51) B: .91" (23.11) C: 3.33" (84.51)
External Elbow Bend Radius For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory White	**HBL5718BRIVA** — A: 4.86" (123.43) B: .78" (19.80) C: 1.35" (34.28)
Flat Elbow Bend Radius For right angle turns requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory White	**HBL5711BRIVA** — A: 3.16" (80.34) B: .91" (23.11) C: 3.16" (80.34)
Internal Twisted Elbows For 90° twist with 90° turn. For double turn at right angles from one to another. From a flat run on a side wall to a flat run on a ceiling, edge of door or window trim.	Ivory White Ivory White	Right Elbow **HBL5711RHIVA** **HBL5711RHWA** Left Elbow **HBL5711LHIVA** **HBL5711LHWA** A: 2.98" (75.72) B: .94" (23.75) C: 3.00" (76.20)

Tees

Description	Color	HBL500, HBL700 & HBL750 Series
Tee Fitting For branches at right angles.	Ivory White	**HBL5715IVA** **HBL5715WA** A: 3.06" (77.67) B: 1.14" (28.86) C: 3.03" (76.96)

Description	Color	HBL500, HBL700 & HBL750 Series
Tee Fitting Bend Radius For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory White	**HBL5715BRIVA** — A: 5.55" (140.88) B: .90" (22.86) C: 3.16" (80.34)

Fittings

Description	Color	HBL500, HBL700 & HBL750 Series
Support Clip For supporting lengths of HBL500, HBL700 or HBL750 Raceway.	Ivory White	**HBL5703IV** **HBL5703W** A: 2.51" (63.75)

Description	Color	HBL500, HBL700 & HBL750 Series
Flexible Section For getting around offsets, side bends, twisted turns or curved surfaces.	Ivory White	**HBL5700FIVA** **HBL5700FWA** A: 18.00" (457.20)

Dimensions in Inches (mm)

HBL500, HBL700 and HBL750 Series

End Fittings

Description	Color	HBL500, HBL700 & HBL750 Series
Entrance Connector One ¾ in. KO for panel or conduit connection. One ¾ in. chase nipple and locknut furnished.	Ivory White	**HBL5786AIVA** **HBL5786AWA** A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)
Adjustable Offset Connector Two ½ in. KOs for panel or conduit connection. Eliminates offsetting raceway when connecting to surface type panel boxes. One ½ in. chase nipple and locknut furnished.	Ivory White	**HBL5786IVA** **HBL5786WA** A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)
Elbow Box Connector For connecting raceway at right angles to conduit boxes, panel boxes, etc. having ½ in. nipple for trade size conduit.	Ivory White	**HBL5783IVA** — A: 2.13" (54.05) B: 1.24" (31.50)
Elbow Conduit Connector For connecting raceway at right angles to ½ in. trade size conduit or armored cable connectors.	Ivory White	**HBL5784IVA** — A: 2.13" (54.05) B: 1.24" (31.50)
Combination Connector For connecting raceway without offsetting to any 3.25 in. (83.00) or 4 in. (102.00) outlet box mounted on the surface with a KO for ½ in. trade size conduit. Spring steel bushing eliminates need for conduit nipple and locknut.	Ivory White	**HBL5785AIVA** **HBL5785AWA** A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)
Corner Box For connecting HBL500, HBL700 or HBL750 Raceway from ceiling or corner. Each leg of base has ½ in. trade size KO.	Ivory White	**HBL5719IVA** **HBL5719WA** A: 2.50" (63.50) B: 2.50" (63.50) C: 2.40" (60.96)

Fittings

Description	Color	HBL500 Series	HBL700 Series	HBL750 Series
Transition Fitting For transitioning from either Wiremold® V500 to Hubbell HBL500 Raceway or Wiremold® V700 to Hubbell HBL700 Raceway or Hubbell HBL750 Raceway.	Ivory White	**HBL500TFIV** — A: .65" (16.51) B: .89" (22.61) C: 2.15" (54.61)	**HBL700TFIV** — A: .78" (19.80) B: .89" (22.61) C: 2.15" (54.61)	**HBL750TFIV** — A: .98" (24.89) B: .89" (22.61) C: 2.15" (54.61)
Mounting Strap (one- or two-hole) For mounting HBL500, HBL700 or HBL750 Raceway to surface. Convert to one-hole by breaking off at score.	Ivory White	**HBL504IV** **HBL504W** A: .58" (14.73) B: .50" (12.70)	**HBL7004IV** **HBL7004W** A: .70" (17.68) B: .50" (12.70)	**HBL7504IV** **HBL7504W** A: .90" (22.86) B: .50" (12.70)
Connection Cover To cover potential openings where two lengths of like raceways come together.	Ivory White	**HBL506IV** **HBL506W** A: .60" (15.24) B: .80" (20.31)	**HBL7006IV** **HBL7006W** A: .69" (17.40) B: .80" (20.31)	**HBL7506IV** **HBL7506W** A: .91" (23.10) B: .80" (20.31)
Bushing Protect wires from potential abrasion. Fits into end of HBL500, HBL700 or HBL750 Raceway.	Steel*	**HBL502B** A: .35" (8.83) B: .70" (17.68)	**HBL7002B** A: .49" (12.50) B: .78" (19.80)	**HBL7502B** A: .60" (15.24) B: .70" (17.68)

*Note: *Zinc Plated Steel.*

Wiremold® is a registered trademark of the Wiremold Company.

Dimensions in Inches (mm)

HBL500, HBL700 and HBL750 Series

Fittings

Description	Material	HBL500, HBL700 & HBL750 Series		Description	Material	HBL500, HBL700 & HBL750 Series
Box Connector For connecting raceway to conduit boxes or panel boxes having KO for conduit. May also be used for conduit type fittings.	Steel*	**HBL5781** ½" NPT (13) Male A: .75" (19.1) B: 1.24" (31.62)	**HBL5781A** ¾" NPT (19) Male A: .75" (19.1) B: 1.24" (31.62)	**½ in. EMT Connector** For connecting raceway to conduit boxes or panel boxes having KO for conduit.	Steel*	**HBL5791** A: 1.20" (30.48) B: 1.09" (27.70)
Conduit Connector For connecting raceway to conduit.	Steel*	**HBL5782C** ½" NPT (13) Female A: .75" (19.1) B: 1.75" (44)	**HBL5782A** ¾" (19.1) Female A: .75" (19.1) B: 1.75" (44)	**Coupling** For joining and supporting lengths of HBL500, HBL700 or HBL750 Raceway.	Steel**	**HBL5701C** A: 2.00" (50.80)
Grounding Clamp Provides grounding means for ½ in. trade size conduit using locknut.	Steel**	**HBL5709GC** A: 1.04" (26.03) B: 1.18" (29.84)		**Ground Clamp** Used to provide additional grounding of raceway or to ground remotely located devices. Attach ground wire to screw as required by National Electrical Code.	Steel**	**HBL5709** A: 2.00" (50.80)
Special Nipple For hanging or connecting either .375 in. (9.5) or .5 in. (12.7) fixtures to Hubbell fittings with ½ in. trade size KOs.	Steel*	**HBL5780** A: .63" (16.00)		**Armored Cable Connector** For connecting 14/2, 14/3, 12/2 and 12/3 "MC" and armored cable to Hubbell fittings. A short piece of HBL500, HBL700 or HBL750 Series Raceway must be used between this connector and the Hubbell fitting. Not for connection to ½ in. (12.7) flex conduit.	Steel**	**HBL5790B** A: 2.00" (50.80) B: .99" (25.25)

*Note: *Zinc Plated Steel.*
***Galvanized Steel.*

Tools

Description	HBL500 Series	HBL700 Series	HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Cutter Portable cutter for HBL500, HBL700 or HBL750 Series Raceways.	**HBL605CUT**	**HBL700CUT**	**HBL607CUT**	**Raceway Bender** Portable bender for HBL500, HBL700 or HBL750 Series Raceways.		**HBL600B**
Cutter Replacement Blade	**HBL605K**	**HBL700K**	**HBL607K**	**Touch-Up Paint Pen**	Ivory White	**HBLIWEP** **HBLWWEP**

Dimensions in Inches (mm)

Products at a Glance



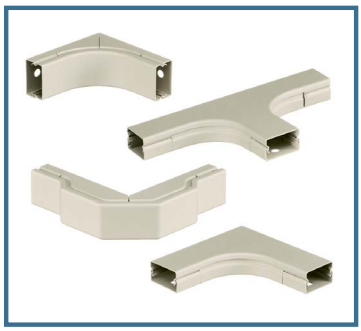
HBL2000A Raceway

- Cover is 0.040 in. (1.016) thick which allows up to 600V AC
- Higher capacity power applications (up to 26 #12 AWG wires)
- Available in cover only or base and cover options



Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a “clean” look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available
  See page S-45 for selection



Bend Radius Fittings

- 1½ in. (38.10) bend radius
- Ideal for high speed data cables including Category 5, 5e, 6 and 6A applications



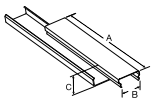
Metal PlugTrak® Featuring Exclusive Receptacle Design

- Gray or ivory scratch resistant finish
- Multiple spacing configurations
- Hubbell designed and manufactured single receptacle
- Insulation displacement wiring provides superior wire retention
- Mates with HBL2000 Series Metal Raceway
- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths
- Tamper-Resistant and USB versions available

HBL2000 and HBL2000A Series

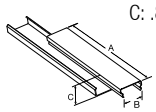
HBL2000 Series

Description	Color	Catalog Number
Base and Cover (300V Rated) Cover is 0.025 in. (0.635) thick up to 300V AC applications. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000BCIV** **HBL2000BCGY** A: 60.00" (1,524.00) B: 1.31" (33.27) C: .83" (21.08)

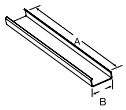
HBL2000A Series

Description	Color	Catalog Number
Base and Cover (600V Rated) Cover is 0.040 in. 1.016) thick up to 600V AC or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000BCAIV** **HBL2000BCAGY** A: 60.00" (1,524.00) B: 1.31" (33.27) C: .83" (21.08)

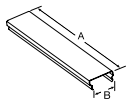



Base and Cover

Description	Color	Catalog Number
5 Ft. Base Only For use with HBL2000 and HBL2000A raceway. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000B5IV** **HBL2000B5GY** A: 60.00" (1,524.00) B: 1.31" (33.27)

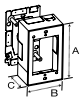



Description	Color	Catalog Number
5 Ft. Cover Only (300V Rated) Cover is 0.025 in. (0.635) thick. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000CIV** **HBL2000CGY** A: 60.00" (1,524.00) B: 1.31" (33.27)
5 Ft. Cover Only (600V Rated) Cover is 0.040 in. (1.016) thick up to 600V AC or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000CAIV** **HBL2000CAGY** A: 60.00" (1,524.00) B: 1.31" (33.27)

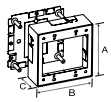



Device Boxes

Description	Color	Catalog Number
1-Gang Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.	Ivory Gray	**HBL2048IV** **HBL2048GY** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)

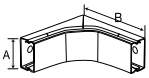



Description	Color	Catalog Number
2-Gang Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.	Ivory Gray	**HBL20482IV** **HBL20482GY** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)

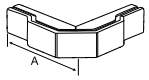



Elbows

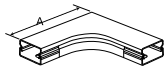
Description	Color	Catalog Number
Internal Elbow Bend Radius For inside surface at right angles requiring a 1.5" (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Gray	**HBL2017BRIV*** **HBL2017BRGY*** A: .85" (21.56) B: 3.47" (88.11)

Description	Color	Catalog Number
External Elbow Bend Radius For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Gray	**HBL2018BRIV*** **HBL2018BRGY*** A: 5.11" (129.72)

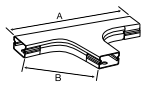



Description	Color	Catalog Number
Flat Elbow Bend Radius For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Gray	**HBL2011BRIV*** **HBL2011BRGY*** A: 4.29" (109.03)

Tees

Description	Color	Catalog Number
Tee Fitting Bend Radius For branches at right angles. Couplings furnished. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Gray	**HBL2015BRIV*** **HBL2015BRGY*** A: 7.35" (186.78) B: 4.33" (110.00)

*Note: *HBL2001C couplings included.*
***Galvanized Steel.*

Dimensions in Inches (mm)

HBL2000 and HBL2000A Series

End Fittings

Description	Color	Catalog Number
Transition Fitting For transitioning from Wiremold® 2000 Raceway to Hubbell HBL2000 Raceway.	Ivory Gray	**HBL2000TFIV** **HBL2000TFGY** A: .82" (20.71) B: 1.38" (35.12) C: 2.04" (51.82)
Blank End Fitting For closing open end of HBL2000 Raceway.	Ivory Gray	**HBL2010BIV** **HBL2010BGY** A: .78" (19.94)
End Reducing Connector For connecting HBL2000 Raceway to HBL500 Raceway through end of HBL2000 Raceway.	Ivory	**HBL2089EIV** A: .78" (19.81)

Description	Color	Catalog Number
Entrance End Fitting For connecting HBL2000 Raceway with one ½ in. conduit and armored cable connectors.	Ivory Gray	**HBL2010A2IV** **HBL2010A2GY** A: 3.01" (76.45) B: 1.30" (33.02) C: 1.49" (37.85)
Large Capacity Entrance End Fitting Offers larger capacity than HBL2010A2IV/GY. One ½ in. trade size KO on each side, ½ in. and ¾ in. concentric KOs on end and bottom.	Ivory Gray	**HBL2010A3IV** **HBL2010A3GY** A: 3.69" (93.80) B: 2.02" (51.18) C: 1.79" (45.36)
Side Reducing Connector For connecting HBL2000 Raceway to HBL500 Raceway through side of HBL2000 Raceway.	Ivory	**HBL2089IV*** A: 6.00" (152.40) B: 3.25" (82.55)

Fittings

Description	Color	Catalog Number
Cover Clip Use to cover potential openings where two pieces of HBL2000 Raceway cover come together.	Ivory Gray	**HBL2006IV** **HBL2006GY** A: .75" (19.05)
Wire Clip For holding conductors in place in the raceway base. For use with HBL2000CIV/GY cover only.	Steel**	**HBL2000WC** A: .44" (11.18) B: .24" (6.03) C: 1.24" (31.50)
Coupling For joining lengths of HBL2000 Raceway.	Steel**	**HBL2001C** A: 2.00" (50.80)
Ground Clamp For connection of equipment grounding conductor to provide an additional ground to raceway. Galvanized steel.	Steel**	**HBL2009GC** A: 1.00" (25.64)

Description	Color	Catalog Number
Flush Plate Adaptor For feeding HBL2000 Raceway from an existing wall outlet. ½ in. threaded stud with steel locknut for grounding.	Ivory Gray	**HBL2051HIV** **HBL2051HGY** A: 4.50" (114.30)
Wire Clip For holding conductors in place in the raceway base. For use with HBL2000CAIV/GY cover only.	Steel**	**HBL2000WCA** A: .44" (11.18) B: .60" (15.17) C: 1.24" (31.50)
Supporting Clip For temporarily supporting lengths of HBL2000 Raceway at any point. Mount with #6 flat head fastener. Has set screw for locking to raceway. Raceway must be screwed to the wall for secure fastening.	Steel**	**HBL2003SC** A: 2.00" (50.80)

*Note: *HBL2001C couplings included.*
***Galvanized Steel.*

Tools

Description	Catalog Number
Cutter Portable cutter for HBL2000 Series Raceway. (Not for use with HBL2000A series).	**HBL620C**
Cutter Replacement Blade Set	**HBL620BCK**

Description	Color	Catalog Number
Touch-Up Paint Pen	Ivory Gray	**HBLIWEP** **HBLGWEP**

Wiremold® is a registered trademark of the Wiremold Company.

Dimensions in Inches (mm)

UL LISTED CSA CERTIFIED

Metal PlugTrak® Series

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.





USB



Tamper-Resistant

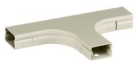
	Amp Circuits	Single Recept.	USB Ports	Receptacle Spacing (in.)	Ivory	Gray
3 Foot	15 Single	6	—	6	**HBL20GB306IV**	**HBL20GB306GY**
	15 IG/Single	6	—	6	**HBL20IG306IV**	**HBL20IG306GY**
	15 TR/Single	6	—	6	**HBL20GB306IVTR**	**HBL20GB306GYTR**
	15 USB/Single	2	2	12	**HBL20GB312UIV**	—
	20 Single	6	—	6	**HBL24GB306IV**	**HBL24GB306GY**
	20 TR/Single	6	—	6	**HBL24GB306IVTR**	**HBL24GB306GYTR**
5 Foot	15 Single	10	—	6	**HBL20GB506IV**	**HBL20GB506GY**
	15 Single	5	—	12	**HBL20GB512IV**	**HBL20GB512GY**
	15 Two	5	—	12	**HBL20GBA512IV**	**HBL20GBA512GY**
	15 IG/Single	5	—	12	**HBL20IG512IV**	**HBL20IG512GY**
	15 TR/Single	5	—	12	**HBL20GB512IVTR**	**HBL20GB512GYTR**
	20 Single	10	—	6	**HBL24GB506IV**	**HBL24GB506GY**
	20 Single	5	—	12	**HBL24GB512IV**	**HBL24GB512GY**
	20 Two	5	—	12	**HBL24GBA512IV**	**HBL24GBA512GY**
	20 TR/Single	5	—	12	**HBL24GB512IVTR**	**HBL24GB512GYTR**
6 Foot	15 Single	12	—	6	**HBL20GB606IV**	**HBL20GB606GY**
	15 Single	8	—	9	**HBL20GB609IV**	**HBL20GB609GY**
	15 Single	6	—	12	**HBL20GB612IV**	**HBL20GB612GY**
	15 Single	4	—	18	**HBL20GB618IV**	**HBL20GB618GY**
	15 Two	8	—	9	**HBL20GBA609IV**	**HBL20GBA609GY**
	15 Two	6	—	12	**HBL20GBA612IV**	**HBL20GBA612GY**
	15 Two	4	—	18	**HBL20GBA618IV**	**HBL20GBA618GY**
	15 IG/Single	12	—	6	**HBL20IG606IV**	**HBL20IG606GY**
	15 USB/Single	4	4	12	**HBL20GB612UIV**	—
	20 Single	12	—	6	**HBL24GB606IV**	**HBL24GB606GY**
	20 Single	6	—	12	**HBL24GB612IV**	**HBL24GB612GY**
	20 Single	4	—	18	**HBL24GB618IV**	**HBL24GB618GY**
	20 Two	6	—	12	**HBL24GBA612IV**	**HBL24GBA612GY**
	20 Two	4	—	18	**HBL24GBA618IV**	**HBL24GBA618GY**



	Amp Circuits	Length (in.)	Cord Length (ft.)	Single Recept.	USB Ports	Ivory	Gray
Portable	15 Single	40	6	6	—	**HBL20C215IV**	**HBL20C215GY**
	15 USB/Single	40	6	4	2	**HBL20C215UIV**	—
	15 Single	64	6	10	—	**HBL20C315IV**	**HBL20C315GY**

Note: IG = Isolated Ground, TR = Tamper-Resistant and U = USB.
Hubbell Metal PlugTrak is supplied with two HBL2010BIV/GY blank end fittings and one HBL2001C coupling. Catalog number suffix "IV" for ivory finish and "GY" for gray finish. Outlets match raceway color. "IG" Isolated ground receptacles have orange triangles. Portable PlugTrak includes 15A circuit breaker.

Dimensions in Inches (mm)

	Description	Color	Catalog Number
Boxes	1-Gang Device Box 	Ivory Gray	**HBL2048IV** **HBL2048GY**
	2-Gang Device Box 	Ivory Gray	**HBL20482IV** **HBL20482GY**
Elbows and Tees	External Elbow 	Ivory Gray	**HBL2018BRIV** **HBL2018BRGY**
	Flat Elbow 	Ivory Gray	**HBL2011BRIV** **HBL2011BRGY**
	Tee 	Ivory Gray	**HBL2015BRIV** **HBL2015BRGY**
End Fittings	Entrance End Fitting 	Ivory Gray	**HBL2010A2IV** **HBL2010A2GY**
	Large Entrance End Fitting 	Ivory Gray	**HBL2010A3IV** **HBL2010A3GY**
	Blank End Fitting 	Ivory Gray	**HBL2010BIV** **HBL2010BGY**
Fittings	Cover Clip 	Ivory Gray	**HBL2006IV** **HBL2006GY**
	Supporting Clip 	Steel**	**HBL2003SC***
	Coupling 	Steel**	**HBL2001C**
	Internal Corner Coupling 	Steel**	**HBL2017TC**

*Note: *Support clip HBL2003SC for supporting Portable Metal PlugTrak only.*
***Galvanized Steel.*
See pages S-10 and S-11 for additional information.

Products at a Glance



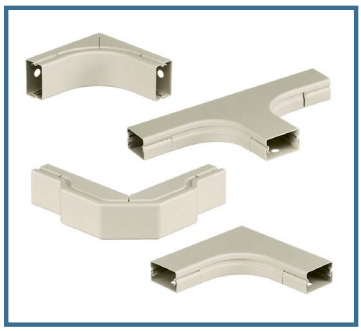
HBL2400 and HBL2400D Raceway

- Increased capacity, over HBL2000 Series Raceway
- Divided base allows for dual services within one raceway profile



Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a “clean” look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available
See page S-45 for selection



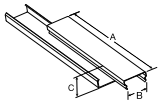
Bend Radius Fittings

- 1½ in. (38.10) bend radius
- Ideal for high speed data cables including Category 5, 5e, 6 and 6A applications

HBL2400 and HBL2400D Series

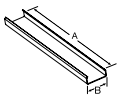
HBL2400 Series

Description	Color	Catalog Number
Undivided Base and Cover Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory	**HBL2400BCIV** A: 60.00" (1,524.00) B: 1.91" (48.51) C: .88" (22.40)

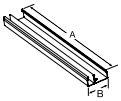
HBL2400 Series Base and Cover

Description	Color	Catalog Number
10 Ft. Base, Undivided Packed 50 ft. (15m) per carton, 10 ft. (3m) lengths.	Ivory	**HBL2400B10IV** A: 120.00" (3,048.00) B: 1.91" (48.51)
5 Ft. Base, Undivided Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory	**HBL2400BIV** A: 60.00" (1,524.00) B: 1.91" (48.51)

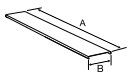



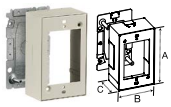
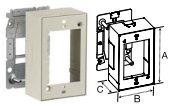
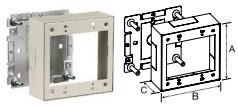
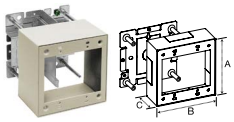
HBL2400D Series Base and Cover

Description	Color	Catalog Number
10 Ft. Base, Divided Packed 50 ft. (15m) per carton, 10 ft. (3m) lengths.	Ivory	**HBL2400BDIV** A: 120.00" (3,048.00) B: 1.91" (48.51)

Description	Color	Catalog Number
5 Ft. Cover Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory	**HBL2400CIV** A: 60.00" (1,524.00) B: 1.89" (48.00)

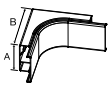





Device Boxes

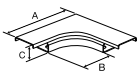
Description	Color	Type	1-Gang Standard	1-Gang Extra Deep	2-Gang Standard	2-Gang Extra Deep
Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.	Ivory Ivory	Divided Undivided	— **HBL2448IVA** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	**HBL2444DIVA** **HBL2444IVA** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.75" (69.85)	— **HBL24482IV** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)	**HBL2444D2AIV** **HBL24442IV** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)

Elbows and Tees

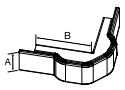
Description	Color	Type	Catalog Number
Internal Elbow Bend Radius For inside surfaces at right angles, requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Ivory	Divided Undivided	**HBL2417DFOIV*** **HBL2417IV**** A: 1.91" (48.51) B: 3.60" (91.30)

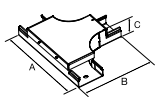
Description	Color	Type	Catalog Number
90˚ Flat Elbow Bend Radius For right angle turns on same surface. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Ivory	Divided Undivided	**HBL2411DFOIV*** **HBL2411IV**** A: 6.00" (152.40) B: 5.00" (127.00) C: .90" (22.86)

Description	Color	Type	Catalog Number
External Elbow Bend Radius For right angle turns around external corners. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Ivory	Divided Undivided	**HBL2418DFOIV*** **HBL2418IV**** A: 1.91" (48.51) B: 3.83" (97.28)

Description	Color	Type	Catalog Number
Tee Fitting Bend Radius For branches at right angles. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Ivory	Divided Undivided	**HBL2415DFOIV*** **HBL2415IV**** A: 7.30" (185.42) B: 4.99" (126.75) C: 1.44" (36.58)

*Note: *HBL2401DC couplings included.*
***HBL2401C couplings included.*

Dimensions in Inches (mm)

HBL2400 and HBL2400D Series

End Fittings

Description	Color	Type	Catalog Number
Entrance End Fitting End fitting with ½ in. and ¾ in. concentric trade size KOs on end and bottom. Additional ½ in. trade size KOs on sides.	Ivory Ivory	Divided Undivided	— **HBL2410CIV** A: 3.69" (93.8) B: 2.02" (51.2) C: 1.79" (45.4)
Entrance End Fitting For connecting HBL2400 Raceway with one ½ in. conduit and armored cable connectors.	Ivory Ivory	Divided Undivided	— **HBL2410AIV** A: 1.16" (29.50) B: 1.89" (49.00) C: 1.66" (42.20)
Transition Fitting For transitioning from Wiremold® 2400D/2400 Raceway to Hubbell HBL2400/HBL2400D Raceway.	Ivory Ivory	Divided Undivided	**HBL2400DTFIV** **HBL2400TFIV** A: 2.02" (51.31) B: 1.06" (26.92)
Entrance End Fitting Bend Radius Divided, bend radius end fitting to feed HBL2400 and HBL2400D Series Raceway. Includes 1 in. and ¾ in. trade size KOs on back and end. Removable divider and bend radius inserts included.	Ivory Ivory	Divided Undivided	**HBL2410DFOIV** — A: 7.08" (179.83) B: 4.72" (119.89) C: 2.76" (70.10)
Entrance End Fitting Full Capacity Full capacity entrance end to feed HBL2400 Series Raceway. Includes three 1 in. and ¾ in. concentric trade size KOs.	Ivory Ivory	Divided Undivided	— **HBL2410FCIV** A: 3.04" (77.23) B: 2.61" (66.29) C: 2.23" (56.64)
Blank End Fitting For closing open end of HBL2400 Raceway.	Ivory Ivory	Divided Undivided	**HBL2410BDIV** **HBL2410BIV** A: 1.17" (29.72) B: 1.96" (49.78) C: .84" (21.34)

Fittings

Description	Color	Catalog Number
End Reducing Connector For connecting HBL2400 Raceway to HBL2000 Raceway through end of HBL2400 Raceway.	Ivory	**HBL2420REDIV*** A: 3.81" (96.77) B: 2.07" (52.58) C: .90" (22.86)
Side Reducing Connector For connecting HBL2400 Raceway to HBL500 Raceway through side of HBL2400 Raceway.	Ivory	**HBL2489IV*** A: 3.75" (95.25) B: 1.91" (48.51) C: .82" (20.83)
Cover Clip Use to cover potential openings where two pieces of HBL2400 Raceway cover come together.	Ivory	**HBL2406IV** A: 1.50" (38.10)
Wire Clip (Plated) For holding conductors in place.	Steel**	**HBL2400WC** A: 1.69" (42.93) B: 1.00" (25.40) C: .79" (20.00)
Coupling (Plated), Divided For joining lengths of HBL2400 Raceway.	Steel**	**HBL2401DC** A: 2.00" (50.80) B: 1.86" (47.24)
End Reducing Connector For connecting HBL4750 Raceway to HBL2400 Raceway through end of HBL4750 Raceway. Includes HBL2401DC coupling (HBL4751AC not included).	Ivory	**HBL4724REDIV** A: 4.75" (120.65) B: 3.00" (76.20) C: 1.55" (39.37)
Bridge Fitting For allowing HBL2400 Series Raceway to bridge over existing installations of HBL2400, HBL750 and HBL500 Series Raceways.	Ivory	**HBL2475DBRIV** A: 5.60" (142.24) B: 2.92" (74.17) C: 1.63" (41.40)
Flush Plate Adaptor For feeding HBL2400 Raceway from an existing wall outlet box ½ in. trade size male nipple. Provided with locknut for grounding.	Ivory	**HBL2451HIV*** A: 4.50" (114.30)
Ground Clamp (Plated) For connection of equipment grounding conductor to provide an additional ground to raceway.	Steel**	**HBL2409GC** A: .41" (10.41)
Coupling (Plated), Undivided For joining lengths of HBL2400 Raceway.	Steel**	**HBL2401C** A: 2.00" (50.80) B: 1.86" (47.24)

*Note: *Only used on HBL2400 Series Undivided Raceway.*
***Galvanized Steel.*

Wiremold® is a registered trademark of the Wiremold Company.

Dimensions in Inches (mm)

HBL2400 and HBL2400D Series

Devices and Frames

Description	Color	Catalog Number
Receptacle Bracket and Frame For use with power devices with maximum width of 1.35 in. (84.3) and in low voltage applications with ISFxxAL frames found on page S-45.	Ivory	**HBL24106RRK*** A: 6.00" (152.40) B: 2.02" (51.31)
Lamp Holder Medium base lamp holder 660W 250V ceramic. Ivory (Cover) White Ceramic (Lamp Holder).	Ivory	**HBL2426IV*** A: 5.00" (127.00) B: 1.89" (48.01) C: 1.03" (26.16)

Description	Color	Catalog Number
Duplex Bracket and Frame For use with power devices with maximum width of 1.35 in. (84.3) and in low voltage applications with BR106AL and Q106AL frames found on page S-45.	Ivory	**HBL24106DRK*** A: 6.00" (152.40) B: 2.02" (51.31)

*Note: *Only used on HBL2400 Series Undivided Raceway.*

Tools

Description	Catalog Number
Cutter Portable cutter for HBL2400/ HBL2400D Series Raceway.	**HBL624CUT**
Cutter Replacement Blade Set	**HBL624BCK**

Description	Color	Catalog Number
Touch-Up Paint Pen	Ivory	**HBLIWEP**

Dimensions in Inches (mm)

Products at a Glance



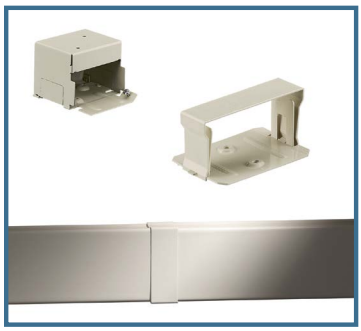
HBL3000 Series Extensive Line

- Full line of large, single channel, two piece metal raceway
- Easily mounts on walls or bench tops
- Large single channel base for power or datacom cables
- UL Listed and CSA Certified
- Available in ivory or gray powder coat finish



Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a “clean” look
- Large capacity allows for the installation of 30, 50 or 60A receptacles
- Utility box can be used as a tee, cross, junction box or as a branch circuit extension



Transition Fittings

- UL Classified to transition from Wiremold® 3000 Series Metal Raceway to Hubbell HBL3000 Series Metal Raceway
- Reducer fitting provides transition from Hubbell HBL3000 Series to Hubbell HBL2000 Series Raceway



Plates and Covers

- Wide range of covers and cover plates accommodate the most demanding applications
- Removable cover and cover plates provide easy access to wiring compartment
- Precut covers and plates provide quick installation and are available in common configurations

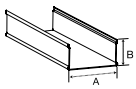
Wiremold® is a registered trademark of the Wiremold Company.

HBL3000 Series

HBL3000 Series

Description	Color	Catalog Number
Single Channel Base Packed 100 ft. (30.5m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 2.75" (69.85) H: 1.53" (38.86)	Ivory Gray	**HBL3000BIV** **HBL3000BGY** A: 2.73" (69.34) B: 1.47" (37.34)





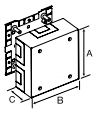
Description	Color	Catalog Number
5 Ft. Cover Packed 100 ft. (30.5m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL3000CEIV** **HBL3000CEGY** A: 60.00" (1,524.00) B: 2.75" (69.85)

*Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.*

Boxes

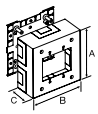
Description	Color	Catalog Number
Utility Box Cover has twistouts on all sides, allows for box to be used as tee, cross, junction box or for branch circuit extensions.	Ivory Gray	**HBL3028IV** **HBL3028GY** A: 6.41" (162.89) B: 6.41" (162.89) C: 1.90" (48.26)





Description	Color	Catalog Number
2-Gang Extra Deep Switch and Receptacle Box For standard 30, 50 and 60A straight blade receptacles.	Ivory Gray	**HBL30442IV** **HBL30442GY** A: 6.38" (162.05) B: 6.38" (162.05) C: 2.75" (69.85)





Elbows and Tees

Description	Color	Catalog Number
Internal Corner Coupling For surfaces at right angles or for use as a straight-through fitting.	Ivory Gray	**HBL3017TCEIV** **HBL3017TCEGY** A: 2.61" (66.29)





Description	Color	Catalog Number
External Corner Coupling For right angle turns around external corners.	Ivory Gray	**HBL3018AEIV** **HBL3018AEGY** A: 4.00" (101.60)





Dimensions in Inches (mm)

HBL3000 Series

End Fittings

Description	Color	Catalog Number
Entrance End Fitting For connecting HBL3000 Raceway with ½ in. conduit and armored cable connectors.	Ivory Gray	**HBL3010AEIV** **HBL3010AEGY** A: 2.75" (69.85) B: 3.42" (86.87)
Blank End Fitting For closing open end of HBL3000 Raceway. Has concentric ½ in. and ¾ in. trade size KOs.	Ivory Gray	**HBL3010BIV** **HBL3010BGY** A: 2.71" (68.92) B: 1.79" (45.36) C: 1.41" (35.84)
Conduit Connector To connect end of HBL3000 Raceway to 1½ in. trade size conduit or connector.	Gray	**HBL3082GY** A: 2.91" (74.00) B: 2.75" (69.85)
Entrance End Fitting For connecting HBL3000 Raceway with rigid or flexible conduit. Concentric ½ in., ¾ in. and 1 in. trade size KOs on end and each side.	Ivory Gray	**HBL3010CIV** **HBL3010CGY** A: 2.75" (69.85) B: 3.25" (82.55) C: 2.00" (50.80)
Panel Connector To connect HBL3000 Raceway with surface type boxes.	Ivory Gray	**HBL3086IV** **HBL3086GY** A: 4.60" (116.71) B: 1.19" (30.16) C: 3.00" (76.20) D: 1.94" (49.40) E: 3.76" (95.50)

Fittings

Description	Color	Catalog Number
Transition Fitting For transitioning from Wiremold® 3000 Raceway to Hubbell HBL3000 Raceway.	Ivory Gray	**HBL3000TFIV** **HBL3000TFGY** A: 2.85" (72.39) B: 2.15" (54.61) C: 1.50" (38.04)
Wall Box Connector For connecting to HBL3000 Raceway from a flush mounted wall box.	Ivory Gray	**HBL3014CIV** **HBL3014CGY** A: 8.00" (203.20) B: 3.28" (83.31)
Cover Clip Use to cover potential openings where two pieces of HBL3000 Raceway come together.	Ivory Gray	**HBL3006EIV** **HBL3006EGY** A: 2.78" (70.60) B: .75" (19.05)
Wire Clip (Plated) For holding conductors in place.	Steel*	**HBL3000WCGY** A: 1.00" (25.40)
Coupling (Plated) For joining lengths of HBL3000 Raceway.	Steel*	**HBL3001GY** A: 2.20" (55.75)
Take-Off Connector (Reducer) Transition Hubbell HBL3000 Raceway to Hubbell HBL2000 Raceway.	Ivory Gray	**HBL3200REDIV** **HBL3200REDGY** A: 2.75" (69.85) B: 2.25" (57.15)
Tap-Off Fitting Has concentric ½ in. and ¾ in. trade size KOs and twistout for communication cables.	Ivory Gray	**HBL3046H2IV** **HBL3046H2GY** A: 4.75" (120.65)
Supporting Clip For supporting lengths of HBL3000 Raceway at any point. Mount with #8 flat head fastener. Has set screw for locking to raceway.	Ivory Gray	**HBL3003IV** **HBL3003GY** A: 2.81" (71.33) B: .75" (19.05)
Rigid Inside Coupling (Plated) For joining lengths of HBL3000 Raceway when added rigidity is required, i.e. raceway suspended overhead.	Steel*	**HBL3001AGY** A: 6.00" (152.40)

*Note: *Galvanized Steel.*

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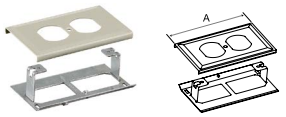
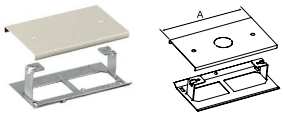
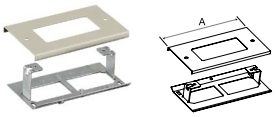
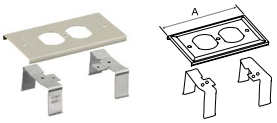
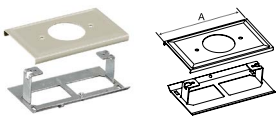
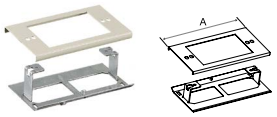
Dimensions in Inches (mm)

HBL3000 Series

Device Bracket and Cover Plates

Description	Color	Catalog Number
Switch Cover For installing single pole, two pole, three way or four way switches. Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3040CEIV** **HBL3040CEGY** A: 4.50" (114.30)
Duplex Receptacle Cover For installing 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3043BEIV** **HBL3043BEGY** A: 4.50" (114.30)
Single Receptacle Cover For installing straight blade and locking single receptacles with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31). Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3027AEIV** **HBL3027AEGY** A: 4.50" (114.30)
Blank Cover Has one ½ in. trade size KO in center. Includes HBL3007CGY bracket. 	Ivory Gray	**HBL3036HEIV** **HBL3036HEGY** A: 4.50" (114.30)
Device Bracket For mounting standard devices in HBL3000 Raceway. Use with commercially available flush plate (not furnished). 	Steel*	**HBL3007CGY** A: 4.50" (114.30) B: 3.28" (83.31)

Description	Color	Catalog Number
Rectangular Style Line® Recept. Cover For installing 15A and 20A rectangular duplex receptacles, GFCI, surge devices, and rectangular communication frames shown on page S-45. Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3048RIV** **HBL3048RGY** A: 4.50" (114.30)
Duplex Receptacle Cover For high strain/vibration. For installing 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes device brackets. 	Ivory Gray	**HBL3046BEIV** **HBL3046BEGY** A: 5.38" (136.65)
Single Receptacle Cover For installing straight blade and locking single receptacles with face diameters of 1.56 in. to 1.57 in. (39.62 to 39.88). Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3033JEIV** **HBL3033JEGY** A: 4.50" (114.30)
Extension Cover Cover accepts 3-wire 30A and 50A devices and standard commercially available flush plates. Includes HBL3007CGY device bracket. See page S-45 for plate options. 	Ivory Gray	**HBL3051LEIV** **HBL3051LEGY** A: 4.50" (114.30)

*Note: *Galvanized Steel.*

Tools

Description	Color	Catalog Number
Base Cutter Portable cutter for HBL3000 Raceway Base. 		**HBL630B**
Replacement Blade Cutter and Die Set Base blade set. 		**HBL630BDK**
Touch-Up Paint Per 	Ivory Gray	**HBLIWEP** **HBLGWEP**

Description	Catalog Number
Cover Cutter Portable cutter for HBL3000 Raceway Cover. 	**HBL630C**
Replacement Blade Cutter and Die Set Cover blade set. 	**HBL630CDK**

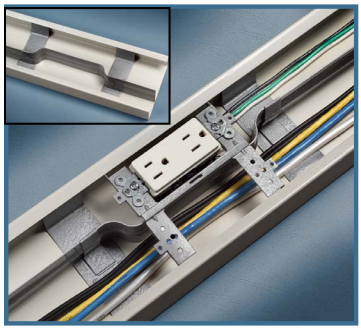
Dimensions in Inches (mm)

Products at a Glance



HBL4750 Device Bracket

- HBL4750 Device Bracket Plate provides excellent solution for power, data, voice, audio and video applications
- For use with Hubbell KP plates and Hubbell iSTATION modules and bezels
- Provides flush finish with overlap feature to hide potential miscuts



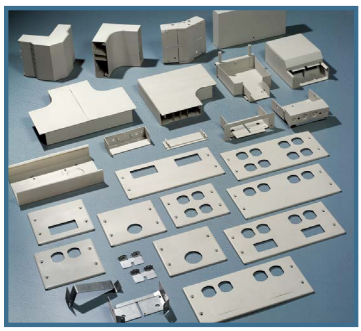
Application Capacity and Flexibility

- Flexible channel divider provides industry leading data capacity in the same profile with a 2/3 datacom split
- By-Pass Divider opening accepts GFCI or surge devices to be mounted in 70/30 divided channel
- Greater capacity offers more room for moves, adds and changes
- 50/50 split available by utilizing standard divider and divider clips
- Raceway channel can also be used with no divider for maximum cable fill in single service applications



End Reducing Connector

- Connects HBL4750 Raceway to HBL2400 Raceway through the end of HBL4750 Raceway
- Used to connect two different sized raceway profiles

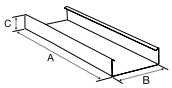


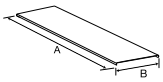
Extensive Line

- 1¼ in. (31.75mm) bend radius fittings meet TIA/EIA requirements
- Integral bend radius offers a fixed solution that does not have to be installed as an option
- Large cross sectional area provides for maximum cable capacity throughout entire system
- Available external, internal, flat, tee and entrance end fittings
- UL Listed, CSA Certified
- Available in ivory or gray powder coat finish

HBL4750 Series

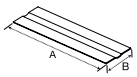
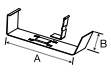
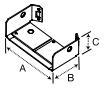
HBL4750 Series

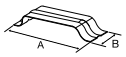
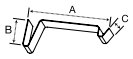
Description	Color	Catalog Number
Single Channel Base Packed 50 ft. (15.24m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 4.75" (120.65) H: 1.75" (44.45)  	Ivory Gray	**HBL4750B10IV** **HBL4750B10GY** A: 120.00" (3048.00) B: 4.75" (120.65) C: 1.62" (41.20)

Description	Color	Catalog Number
5 Ft. Cover Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL4750CIV** **HBL4750CGY** A: 60.00" (1,524.0) B: 4.75" (120.65)
31 In. Precut Cover* For 36 in. (915.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	**HBL4750C315IV** **HBL4750C315GY** A: 31.50" (800.10) B: 4.75" (120.65)
19 In. Precut Cover* For 24 in. (610.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	**HBL4750C195IV** **HBL4750C195GY** A: 19.50" (495.30) B: 4.75" (120.65)
13 In. Precut Cover* For 18 in. (457.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	**HBL4750C135IV** **HBL4750C135GY** A: 13.50" (342.90) B: 4.75" (120.65)
7 In. Precut Cover* For 12 in. (305.00) centers with HBL4747 and HBL4750 Plates.  	Ivory Gray	**HBL4750C075IV** **HBL4750C075GY** A: 7.50" (190.50) B: 4.75" (120.65)

*Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.*

Fittings

Description	Color	Catalog Number
Divider Divides HBL4750 Raceway into two channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. HBL4751DA Divider Clips are required to hold divider in place.  	Painted Steel	**HBL4750DGY** A: 60.00" (1,524.0) B: 1.51" (38.46)
Divider Clip Required for holding HBL4750DGY in place. Use one every 2.5 ft. (.762m).  	Steel**	**HBL4751DA** A: 4.64" (117.77) B: 1.46" (37.07)
Internal Corner Coupling (Plated) Concealed fitting for making an internal corner while continuing original run in a straight line.  	Steel**	**HBL4717TCAGY** A: 4.59" (116.59) B: 2.71" (68.73) C: 1.47" (37.34)

Description	Color	Catalog Number
By-Pass Divider Divides HBL4750 Raceway into two channels with a 70/30 split. Allows for a larger power or datacom wire fill HBL4751DA Divider Clips are required to hold divider in place.  	Painted Steel	**HBL4750BP** A: 7.12" (180.74) B: .89" (22.54)
Wire Clip (Plated) For holding conductors in place.  	Steel**	**HBL4750WCGY** A: 4.60" (116.74) B: 1.58" (40.13) C: 1.00" (25.40)
Coupling (Plated) For joining lengths of HBL4750 Raceway. Sold in pairs.  	Steel**	**HBL4751AC** A: 1.47" (37.30) B: .42" (10.59)

*Note: **Galvanized Steel.*

Dimensions in Inches (mm)

HBL4750 Series

Elbows

Description	Color	Catalog Number
Internal Elbow, Divided For inside surfaces at right angles. Full capacity 1¼ in. bend radius internal elbow.	Ivory Gray	**HBL4717DFOIV*** **HBL4717DFOGY*** A: 4.74" (120.47) B: 4.75" (120.65)
Internal Elbow, Undivided For inside surfaces at right angles.	Ivory Gray	**HBL4717IV*** **HBL4717GY*** A: 4.74" (120.47) B: 4.75" (120.65)
External Elbow, Divided For right angle turns around external corners. Full capacity 1¼ in. bend radius external elbow.	Ivory Gray	**HBL4718DFOIV*** **HBL4718DFOGY*** A: 4.88" (123.90) B: 4.75" (120.65)
External Elbow, Undivided For right angle turns around external corners.	Ivory Gray	**HBL4718IV*** **HBL4718GY*** A: 4.88" (123.90) B: 4.75" (120.65)
Flat Elbow, Divided For right angle turns on same surface. Full capacity 1¼ in. bend radius flat elbow.	Ivory Gray	**HBL4711DFOIV*** **HBL4711DFOGY*** A: 7.23" (183.76) B: 1.62" (41.15)
Flat Elbow, Undivided For right angle turns on same surface.	Ivory Gray	**HBL4711IV*** **HBL4711GY*** A: 7.23" (183.76) B: 1.62" (41.15)
Internal or External 45º Elbow For making internal or external turns in a run of HBL4750 Raceway.	Ivory Gray	**HBL4712TXIV** **HBL4712TXGY** A: 6.04" (153.45) B: 4.59" (116.59)
Inverted Internal Elbow For connecting a vertical run of HBL4750 Raceway with a horizontal run.	Ivory Gray	**HBL4717NIV** **HBL4717NGY** A: 4.60" (116.84) B: 1.66" (42.29)

Tees

Description	Color	Catalog Number
Tee Fitting, Divided For branches at right angles. Full capacity 1¼ in. bend radius tee fitting.	Ivory Gray	**HBL4715DFOIV*** **HBL4715DFOGY*** A: 10.93" (277.63) B: 7.27" (184.54) C: 1.62" (41.15)
Tee Fitting, Undivided For branches at right angles.	Ivory Gray	**HBL4715IV*** **HBL4715GY*** A: 10.93" (277.63) B: 7.27" (184.54) C: 1.62" (41.15)

*Note: *HBL4751AC couplings included.*

Dimensions in Inches (mm)

HBL4750 Series

End Fittings

Description	Color	Catalog Number
Entrance End Fitting, Divided For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. Full capacity 1¼ in. bend radius entrance end fitting. Includes ¾ in., 1 in., 1¼ in. KO and removable divider.	Ivory Gray	**HBL4710DFOIV*** **HBL4710DFOGY*** A: 6.76" (171.70) B: 4.75" (120.65) C: 2.66" (67.50)
Blank End Fitting For closing open end of HBL4750 Raceway. Has two ½ in. trade size KOs.	Ivory Gray	**HBL4710BIV** **HBL4710BGY** A: 4.59" (116.50) B: 1.64" (41.60) C: 1.31" (33.37)

Description	Color	Catalog Number
Entrance End Fitting, Undivided For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end.	Ivory Gray	**HBL4710IV*** **HBL4710GY*** A: 6.76" (171.70) B: 4.75" (120.65) C: 2.66" (67.50)
Panel Connector To connect HBL4750 Raceway with surface type panel boxes.	Ivory Gray	**HBL4786AIV** **HBL4786AGY** A: 7.50" (190.50)

Fittings

Description	Color	Catalog Number
Transition Fitting For transitioning Wiremold® 4000 Raceway to Hubbell HBL4750 Raceway.	Ivory Gray	**HBL4750TFIV** **HBL4750TFGY** A: 5.02" (127.53) B: 2.79" (70.78)
End Reducing Connector For connecting HBL4750 Raceway to HBL2400 Raceway through the end of HBL4750 Raceway. Includes HBL2401DC coupling (HBL4751AC not included).	Ivory Gray	**HBL4724REDIV** A: 4.75" (120.65) B: 3.00" (76.20) C: 1.55" (39.37)
Take-Off Connector (HBL4750 To HBL3000) For 90° tee connection of HBL3000 Raceway from HBL4750 Raceway.	Ivory Gray	**HBL4774AIV** **HBL4774AGY** A: 11.31" (287.38) B: 4.88" (124.00) C: 3.14" (79.78)
Connection Cover For covering potential openings where two covers come together.	Ivory Gray	**HBL4756AIV** **HBL4756AGY** A: 4.77" (121.16) B: .75" (19.05) C: .13" (3.36)

Description	Color	Catalog Number
Wall Box Connector For back feeding HBL4750 Raceway.	Ivory Gray	**HBL4714AIV** **HBL4714AGY** A: 12.00" (304.80) B: 4.75" (120.65) C: 1.62" (41.15)
Bridge Fitting To bridge HBL4750 series raceway over perpendicular run of raceway or other obstruction. Use standard raceway base and cover, cut in field to required length. Consists of two bridge pieces.	Ivory Gray	**HBL4775DKITIV** **HBL4775DKITGY** A: 4.76" (120.90) B: 5.00" (127.00) C: 3.38" (85.85)
2-Gang Tap-Off Fitting Has four concentric ½ in. and ¾ in. trade size KOs.	Ivory Gray	**HBL4746H2IV** **HBL4746H2GY** A: 4.75" (120.65) B: 4.75" (120.65)

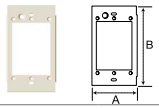
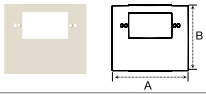
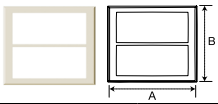
*Note: *HBL4751AC couplings included.*

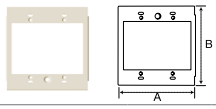
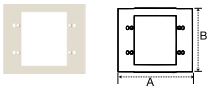
Dimensions in Inches (mm)

Wiremold® is a registered trademark of the Wiremold Company.

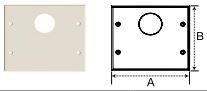
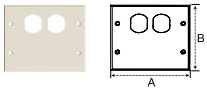
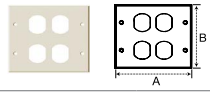
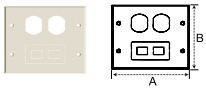
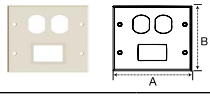
HBL4750 Series

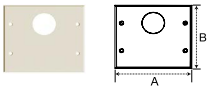
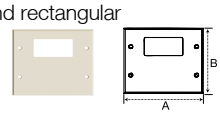
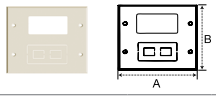
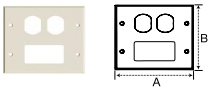
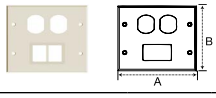
Device Plates and Mounting Bracket

Description	Color	Catalog Number
1-Gang Commercial Device Plate Vertical Mount Use with commercially available 1-gang flush plates. See page S-45 for plate options. For single service applications only. 	Ivory Gray	**HBL4747CVMIV** **HBL4747CVMGY** A: 2.50" (63.50) B: 4.75" (120.65)
2-Gang, One Opening for 1-Gang Comm. Device Plate, One Blank Use with commercially available 1-gang flush plates. See page S-45 for plate options. 	Ivory Gray	**HBL4747C1IV** **HBL4747C1GY** A: 5.12" (130.18) B: 4.75" (120.65)
Device Mounting Bracket Mounting bracket for mounting Hubbell KP Plates, iSTATION Modules and Bezels. See pages S-45 and S-46 for datacom product selection. 	Ivory Gray	**HBL4750IV** **HBL4750GY** A: 5.25" (133.35) B: 4.76" (120.90)

Description	Color	Catalog Number
2-Gang Commercial Device Plate Vertical Mount Use with commercially available 2-gang flush plates. See page S-45 for plate options. For single service applications only. 	Ivory Gray	**HBL4747CVM2IV** **HBL4747CVM2GY** A: 4.32" (109.86) B: 4.75" (120.65)
2-Gang, One Opening for 2-Gang Commercial Device Plate Use with commercially available 2-gang flush plates. See page S-45 for plate options. 	Ivory Gray	**HBL4747C2IV** **HBL4747C2GY** A: 5.12" (130.18) B: 4.75" (120.65)

2-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number
2-Gang Cover, Single Round Opening, One Blank For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.00 to 36.00). 	Ivory Gray	**HBL4747AXIV** **HBL4747AXGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Blank For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. 	Ivory Gray	**HBL4747BXIV** **HBL4747BXGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, Two Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. 	Ivory Gray	**HBL4747BBIV** **HBL4747BBGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes modular furniture with two keystone twistouts. 	Ivory Gray	**HBL4747BFIV** **HBL4747BFGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Ortronics® Series II® Mini Adapter Bezel For 15A and 20A duplex recept. and duplex communication plates. Includes Ortronics® Series II® Mini Adapter Bezel. 	Ivory Gray	**HBL4747BSIV** **HBL4747BSGY** A: 5.43" (137.97) B: 4.75" (120.65)

Description	Color	Catalog Number
2-Gang, Single Round Opening, One Blank For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13). 	Ivory Gray	**HBL4747JXIV** **HBL4747JXGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Style Line® Opening, One Blank For Style Line rectangular receptacles, GFCI and surge devices and rectangular communication frames shown on page S-45. 	Ivory Gray	**HBL4747RXIV** **HBL4747RXGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Style Line® Opening, One Modular Furniture For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45. Includes modular furniture with two keystone twistouts. 	Ivory Gray	**HBL4747RFIV** **HBL4747RFGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Style Line® Opening For 15A and 20A duplex receptacles and Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45. 	Ivory Gray	**HBL4747BRIV** **HBL4747BRGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Ortronics® TracJack® Mini Adapter Bezel For 15A and 20A duplex recept. and duplex communication plates. Includes Ortronics® TracJack® Mini Adapter Bezel. 	Ivory Gray	**HBL4747BTIV** **HBL4747BTGY** A: 5.43" (137.97) B: 4.75" (120.65)

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Dimensions in Inches (mm)

HBL4750 Series

4-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number
4-Gang, Four Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45.	Ivory Gray	**HBL47472BBBBIV** **HBL47472BBBBGY** A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang, Two Duplex Openings, Two Style Line® Openings For 15A and 20A duplex receptacles. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45.	Ivory Gray	**HBL47472BBRRIV** **HBL47472BBRRGY** A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang, Two Duplex Openings, Two Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two modular furniture with two keystone twistouts.	Ivory Gray	**HBL47472BBFFIV** **HBL47472BBFFGY** A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang, Two Duplex Openings, Two Blanks For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two blanks.	Ivory Gray	**HBL47472BBXXIV** **HBL47472BBXXGY** A: 10.22" (259.56) B: 4.75" (120.65)

Description	Color	Catalog Number
4-Gang, Two Style Line® Openings, Two Blanks For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45. Includes two blanks.	Ivory Gray	**HBL47472RRXXIV** **HBL47472RRXXGY** A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang, Two Duplex Openings, Two Ortronics® Series II® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® Series II® Mini Adapter Bezels.	Ivory Gray	**HBL47472BBSSIV** **HBL47472BBSSGY** A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang, Two Duplex Openings, Two Ortronics® TracJack® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® TracJack® Mini Adapter Bezels.	Ivory Gray	**HBL47472BBTTIV** **HBL47472BBTTGY** A: 10.22" (259.56) B: 4.75" (120.65)

Tools

Description	Color	Catalog Number
Base Cutter Cutter for cutting base of HBL4750 Raceway.		**HBL640B**
Replacement Blade Cutter and Die Set Base blade set.		**HBL640BDK**
Touch-Up Paint Pen	Ivory Gray	**HBLIWEP** **HBLGWEP**

Description	Catalog Number
Cover Cutter Cutter for cutting cover of HBL4750 Raceway.	**HBL640C**
Replacement Blade Cutter and Die Set Cover blade set.	**HBL640CDK**

Dimensions in Inches (mm)

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Products at a Glance



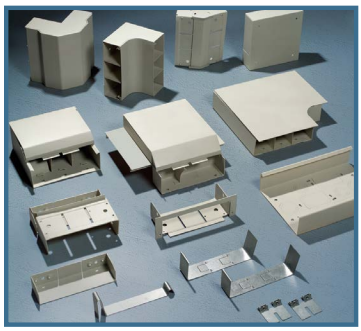
HBL6750 Device Bracket

- HBL6750 Device Bracket Plate provides excellent solution for three channel power, data, voice, audio and video applications
- For use with Hubbell KP plates and Hubbell iSTATION Modules and Bezels
- Provides flush finish with overlap feature to hide potential miscuts



Maximum Capacity

- HBL6750 Series options include single channel (no divider), two channel (1/3, 2/3 divider) or three channel (1/3, 1/3, 1/3 divider)
- HBL6750 Series offers maximum capacity in a low profile raceway
- HBL6750, two channel version, features industry leading capacity equivalent to a HBL4750 single channel profile with an additional channel
- Low profile raceway provides a less conspicuous profile than competitive versions
- Available in 10 ft. (3m) lengths



Unique Line of Fittings

- 1¼ in. (31.75mm) bend radius fittings meet TIA/EIA requirements
- Integral bend radius offers a fixed solution that does not have to be field installed
- Large cross sectional area provides for maximum cable capacity throughout entire system
- Available external, internal, flat, tee and entrance end fittings
- UL Listed, CSA Certified
- Available in ivory or gray powder coat finish



Plates and Covers

- Wide variety of overlapping cover plates provide flexibility for power, data, voice, audio and video applications
- Available in both three and six-gang options
- Cover plates accept wide selection of Hubbell iSTATION Modules and Bezels
- Cover plates help to conceal unsightly gaps caused by miscuts
- Precut cover options allow for 12 in. (304.80mm), 18 in. (457.20mm), 24 in. (609.60mm) and 36 in. (914.40mm) “on-center” mounting
- Open System architecture available

HBL6750 Series

HBL6750 Series

Description	Color	Catalog Number
Single Channel Base Packed 20 ft. (6.1m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 6.75" (171.45) H: 2.22" (56.39)	Ivory Gray	**HBL6750B10IV** **HBL6750B10GY** A: 120.00" (3048.00) B: 6.75" (171.45) C: 2.12" (53.85)
5 Ft. Cover Packed 20 ft. (6.1m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL6750CIV** **HBL6750CGY** A: 60.00" (1,524.0) B: 6.75" (171.45)
31 In. Precut Cover* For 36 in. (915.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C315IV** **HBL6750C315GY** A: 31.50" (800.10) B: 6.75" (171.45)
19 In. Precut Cover* For 24 in. (610.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C195IV** **HBL6750C195GY** A: 19.50" (495.30) B: 6.75" (171.45)
13 In. Precut Cover* For 18 in. (457.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C135IV** **HBL6750C135GY** A: 13.50" (342.90) B: 6.75" (171.45)
7 In. Precut Cover* For 12 in. (305.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C075IV** **HBL6750C075GY** A: 7.50" (190.50) B: 6.75" (171.45)

*Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.*

Fittings

Description	Color	Catalog Number
Divider Divides HBL6750 Raceway into two or three channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. HBL6751DAGY Divider Clips are required to hold divider in place.	Painted Steel	**HBL6750DAGY** A: 60.00" (1524.00) B: 2.03" (51.56)
Divider Clip (Plated) Required for holding HBL6750DAGY in place. Use one every 2.5 ft. (.762m).	Steel**	**HBL6751DAGY** A: 6.60" (167.67) B: 1.97" (50.10)
Internal Corner Coupling (Plated) Concealed fitting for making an internal corner while continuing original run in a straight line.	Steel**	**HBL6717TCAGY** A: 6.56" (166.62) B: 1.94" (49.28)
Wire Clip (Plated) For holding conductors in place.	Steel**	**HBL6750WCGY** A: 6.61" (167.80) B: 2.09" (53.05)
Coupling (Plated) For joining lengths of HBL6750 Raceway. Sold in pairs.	Steel**	**HBL6751A** A: 2.00" (50.71) B: .42" (10.59)

*Note: **Galvanized Steel.*

Dimensions in Inches (mm)

HBL6750 Series

Elbows

Description	Color	Catalog Number
Internal Elbow, Divided For inside surface at right angles. Full capacity 1¼ in. bend radius internal elbow.	Ivory Gray	**HBL6717DFOIV*** **HBL6717DFOGY*** A: 4.74" (120.47) B: 6.75" (171.45)
Internal Elbow, Undivided For inside surface at right angles.	Ivory Gray	**HBL6717IV*** **HBL6717GY*** A: 4.74" (120.47) B: 6.75" (171.45)
External Elbow, Divided For right angle turns around external corners. Full capacity 1¼ in. bend radius external elbow.	Ivory Gray	**HBL6718DFOIV*** **HBL6718DFOGY*** A: 5.83" (148.21) B: 6.75" (171.45)
External Elbow, Undivided For right angle turns around external corners.	Ivory Gray	**HBL6718IV*** **HBL6718GY*** A: 5.83" (148.21) B: 6.75" (171.45)
Flat Elbow, Divided For right angle turns on same surface. Full capacity 1¼ in. bend radius flat elbow.	Ivory Gray	**HBL6711DFOIV*** **HBL6711DFOGY*** A: 9.23" (234.45) B: 6.75" (171.45) C: 2.14" (54.23) D: 9.83" (249.69) E: 6.75" (171.45)
Flat Elbow, Undivided For right angle turns on same surface.	Ivory Gray	**HBL6711IV*** **HBL6711GY*** A: 9.23" (234.45) B: 6.75" (171.45) C: 2.14" (54.23) D: 9.83" (249.69) E: 6.75" (171.45)
Internal or External 45º Elbow For making internal or external turns in a run of HBL6750 Raceway.	Ivory Gray	**HBL6712TXIV** **HBL6712TXGY** A: 6.53" (165.93) B: 6.56" (166.62)
Inverted Internal Elbow For connecting a vertical run of HBL6750 Raceway with a horizontal run.	Ivory Gray	**HBL6717NIV** **HBL6717NGY** A: 6.56" (166.62) B: 5.13" (130.30)

Tees

Description	Color	Catalog Number
Tee Fitting, Divided For branches at right angles. Full capacity 1¼ in. bend radius tee fitting.	Ivory Gray	**HBL6715DFOIV*** **HBL6715DFOGY*** A: 8.75" (222.25) B: 6.63" (168.40) C: 3.56" (90.48) D: 7.92" (201.07) E: 6.75" (171.45)
Tee Fitting, Undivided For branches at right angles.	Ivory Gray	**HBL6715IV*** **HBL6715GY*** A: 8.75" (222.25) B: 6.63" (168.40) C: 3.56" (90.48) D: 7.92" (201.07) E: 6.75" (171.45)

*Note: *HBL6751A couplings included.*

Dimensions in Inches (mm)

HBL6750 Series

End Fittings

Description	Color	Catalog Number
Entrance End Fitting, Divided For connecting HBL6750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. Full capacity 1¼ in. bend radius entrance end fitting. Includes ¾ in., 1 in. and 1¼ in. KO and removable dividers.	Ivory Gray	**HBL6710DFOIV*** **HBL6710DFOGY*** A: 6.75" (171.45) B: 6.75" (171.45) C: 3.18" (180.71)
Blank End Fitting For closing open end of HBL6750 Raceway. Has three ½ in. trade size KOs.	Ivory Gray	**HBL6710BIV** **HBL6710BGY** A: 6.56" (166.62) B: 1.98" (50.41) C: 1.33" (33.90)

Description	Color	Catalog Number
Entrance End Fitting, Undivided For connecting HBL6750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end.	Ivory Gray	**HBL6710IV*** **HBL6710GY*** A: 6.75" (171.45) B: 6.75" (171.45) C: 3.18" (180.71)
Panel Connector To connect HBL6750 Raceway with surface type panel boxes.	Ivory Gray	**HBL6786IV** **HBL6786GY** A: 7.51" (190.86) B: 2.00" (50.83) C: 7.89" (200.37) D: 2.38" (60.34)

Fittings

Description	Color	Catalog Number
Transition Fitting For transitioning from Wiremold® 6000 Raceway to Hubbell HBL6750 Raceway.	Ivory Gray	**HBL6750TFIV** **HBL6750TFGY** A: 4.35" (110.42) B: 6.96" (176.87)
Take-Off Connector (HBL6750-HBL4750) For 90° tee connection of HBL4750 Raceway from HBL6750 Raceway.	Ivory Gray	**HBL6774AIV** **HBL6774AGY** A: 14.36" (364.76) B: 6.75" (171.45) C: 11.47" (291.29) D: 6.72" (170.69)
Connection Cover For covering potential openings where two covers come together.	Ivory Gray	**HBL6756AIV** **HBL6756AGY** A: 6.75" (171.45) B: .59" (14.89)

Description	Color	Catalog Number
Wall Box Connector For back feeding HBL6750 Raceway.	Ivory Gray	**HBL6714AIV** **HBL6714AGY** A: 6.75" (171.45) B: 2.14" (54.28) C: 9.90" (251.46)
3-Gang Tap-Off Fitting Has six concentric ½ in. and ¾ in. trade size KOs.	Ivory Gray	**HBL6746HHHIV** **HBL6746HHHGY** A: 4.35" (110.42) B: 6.96" (176.87)

*Note: *HBL4751AC couplings included.*

Dimensions in Inches (mm)

Wiremold® is a registered trademark of the Wiremold Company.

HBL6750 Series

Device Plates & Mounting Bracket

Description	Color	Catalog Number
3-Gang, One Opening for 1-Gang Commercial Device Plate, Two Blanks Use with commercially available 1-gang flush plates. See page S-45 for plate options. 	Ivory Gray	**HBL6747C1IV** **HBL6747C1GY** A: 5.43" (137.97) B: 6.75" (171.45)
Device Mounting Bracket Mounting bracket for mounting Hubbell KP Plates, iSTATION Modules and Bezels. See pages S-45 and S-46 for datacom product selection.  	Ivory Gray	**HBL6750IV** **HBL6750GY** A: 5.25" (133.35) B: 6.75" (171.45)

Description	Color	Catalog Number
3-Gang, One Opening for 2-Gang Commercial Device Plate, One Blank Use with commercially available 2-gang flush plates. See page S-45 for plate options.  	Ivory Gray	**HBL6747C2IV** **HBL6747C2GY** A: 5.43" (137.97) B: 6.75" (171.45)

3-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number
3-Gang, One Duplex Opening, Two Blanks For 15A and 20A duplex receptacles and duplex communication plates.  	Ivory Gray	**HBL6747BXXIV** **HBL6747BXXGY** A: 5.43" (137.97) B: 6.75" (171.45)
3-Gang, Three Duplex Openings For 15A and 20A duplex receptacles and duplex communication plates.  	Ivory Gray	**HBL6747BBBIV** **HBL6747BBBGY** A: 5.43" (137.97) B: 6.75" (171.45)
3-Gang, One Duplex Opening, Two Style Line® Openings For 15A and 20A duplex receptacles and duplex communication plates. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45.  	Ivory Gray	**HBL6747BRRIV** **HBL6747BRRGY** A: 5.43" (137.97) B: 6.75" (171.45)
3-Gang, Two Duplex Openings, One Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes modular furniture with two keystone twistouts.  	Ivory Gray	**HBL6747BBFIV** **HBL6747BBFGY** A: 5.43" (137.97) B: 6.75" (171.45)
3-Gang, Two Duplex Openings, One Ortronics® Series II® Mini Adapter Bezel For two 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes Ortronics® Series II® Mini Adapter Bezel.  	Ivory Gray	**HBL6747BBSIV** **HBL6747BBSGY** A: 5.43" (137.97) B: 6.75" (171.45)

Description	Color	Catalog Number
3-Gang, One Single Round Opening, Two Blanks For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.05 to 35.31).  	Ivory Gray	**HBL6747AXXIV** **HBL6747AXXGY** A: 5.43" (137.97) B: 6.75" (171.45)
3-Gang, One Single Round Opening, Two Blanks For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13).  	Ivory Gray	**HBL6747JXXIV** **HBL6747JXXGY** A: 5.43" (137.97) B: 6.75" (171.45)
3-Gang, One Style Line® Opening, Two Blanks For one Style Line rectangular receptacle, GFCI, surge device or rectangular communication device.  	Ivory Gray	**HBL6747RXXIV** **HBL6747RXXGY** A: 5.43" (137.97) B: 6.75" (171.45)
3-Gang, Two Style Line® Openings, One Modular Furniture For two Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45. Includes modular furniture with two keystone twistouts.  	Ivory Gray	**HBL6747RRFIV** **HBL6747RRFGY** A: 5.43" (137.97) B: 6.75" (171.45)
3-Gang, Two Duplex Openings, One Ortronics® TracJack® Mini Adapter Bezel For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes Ortronics® TracJack® Mini Adapter Bezel.  	Ivory Gray	**HBL6747BBTIV** **HBL6747BBTGY** A: 5.43" (137.97) B: 6.75" (171.45)

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Dimensions in Inches (mm)

HBL6750 Series

6-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number
6-Gang, Six Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45.	Ivory Gray	**HBL67473BBBBBBIV** **HBL67473BBBBBBGY** A: 10.22" (259.56) B: 6.75" (171.45)
6-Gang, Two Duplex Openings, Four Style Line® Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication devices.	Ivory Gray	**HBL67473BBRRRRIV** **HBL67473BBRRRRGY** A: 10.22" (259.56) B: 6.75" (171.45)
6-Gang, Four Duplex Openings, Two Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two modular furniture with two keystone twistouts.	Ivory Gray	**HBL67473BBBBFFIV** **HBL67473BBBBFFGY** A: 10.22" (259.56) B: 6.75" (171.45)
6-Gang, Four Duplex Openings, Two Blanks For four 15A and 20A duplex receptacles and duplex communication frames shown on page S-45.	Ivory Gray	**HBL67473BBBBXXIV** **HBL67473BBBBXXGY** A: 10.22" (259.56) B: 6.75" (171.45)

Description	Color	Catalog Number
6-Gang, Four Style Line® Openings, Two Blanks For four Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45.	Ivory Gray	**HBL67473RRRRXXIV** **HBL67473RRRRXXGY** A: 10.22" (259.56) B: 6.75" (171.45)
6-Gang, Four Duplex Openings, Two Ortronics® Series II® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two Ortronics® Series II® Mini Adapter Bezels.	Ivory Gray	**HBL67473BBBBSSIV** **HBL67473BBBBSSGY** A: 10.22" (259.56) B: 6.75" (171.45)
6-Gang, Four Duplex Openings, Two Ortronics® TracJack® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two Ortronics® TracJack® Mini Adapter Bezels.	Ivory Gray	**HBL67473BBBBTTIV** **HBL67473BBBBTTGY** A: 10.22" (259.56) B: 6.75" (171.45)

Tools

Description	Color	Catalog Number
Base Cutter Cutter for cutting base of HBL6750 Raceway.		**HBL660B**
Replacement Blade Cutter and Die Set Base blade set.		**HBL660BDK**
Touch-Up Paint Pen	Ivory Gray	**HBLIWEP** **HBLGWEP**

Description	Catalog Number
Cover Cutter Cutter for cutting cover of HBL6750 Raceway.	**HBL660C**
Replacement Blade Cutter and Die Set Cover blade set.	**HBL660CDK**

Dimensions in Inches (mm)

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Products at a Glance



HBLALU2000 Series

- Single channel aluminum raceway
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified



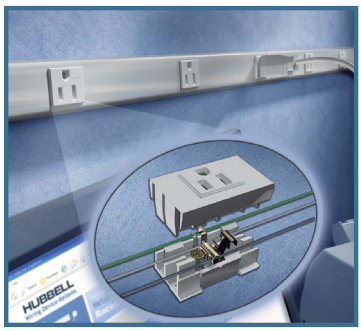
Aluminum Boxes

- Both in-line and standard boxes available
- Hubbell Handi-Screw® eliminates difficult to install long screws for easier installation
- Rounded corners eliminate sharp edges
- One seam construction provides “clean” look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available. See section O for selection



Wide Selection of Fittings

- Elbows (external, internal, flat) and tee fitting available to accommodate all types of applications
- HBLALU2001 Coupling included with elbows and tee fitting



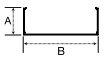
Aluminum PlugTrak® Featuring Exclusive Receptacle Design

- Satin anodized scratch resistant finish
- Multiple spacing configurations
- Hubbell designed and manufactured single receptacle
- Insulation displacement wiring provides superior wire retention
- Mates with HBLALU2000 Aluminum Raceway
- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths
- Tamper-Resistant versions available

HBLALU2000 Series

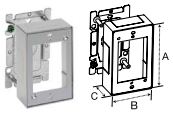
HBLALU2000 Series

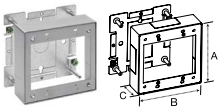
Description	Material	Catalog Number
5 Ft. Base Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALU2000B5** A: .82" (21.00) B: 1.84" (46.74)
10 Ft. Base Satin anodized finish. Packed 60 ft. (18.3m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 1.84" (46.74) H: .91" (23.11)	Anodized Aluminum	**HBLALU2000B10** A: .82" (21.00) B: 1.84" (46.74)

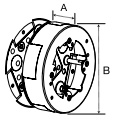



Description	Material	Catalog Number
Cover Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALU2000C5** A: 1.84" (46.74)





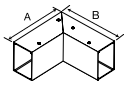
Standard / Deep

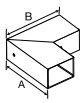
Description	Material	1-Gang	2-Gang
Device Box For standard switches and receptacles.	Anodized Aluminum	**HBLALU2047** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	**HBLALU20472** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)
Device Box For deep switches and receptacles.	Anodized Aluminum	**HBLALU2044** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.25" (57.15)	**HBLALU20442** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)
Base Trade Size KOs		1 - ½", ¾" Concentric 1 - Rectangular	1 - ½" 1 - Rectangular

Description	Material	Round Box
Fixture Box with Solid Base To hang fixtures. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00).	Anodized Aluminum	**HBLALU2038** A: 1.38" (35.05) B: 4.93" (125.22)

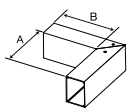
Elbows and Tees

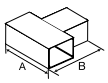
Description	Material	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU2017*** A: 3.00" (76.20) B: 3.00" (76.20)
Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU2011*** A: 3.00" (76.20) B: 3.00" (76.20)

Description	Material	Catalog Number
External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU2018*** A: 2.91" (74.04) B: 2.91" (74.04)
Tee Fitting For branch connections of right angles.	Anodized Aluminum	**HBLALU2015*** A: 4.00" (101.60) B: 3.40" (86.36)

*Note: *HBLALU2001 couplings included.*

Dimensions in Inches (mm)

HBLALU2000 Series

End Fittings

Description	Material	Catalog Number
Entrance End Fitting ½ in. NPT steel fitting.	Anodized Aluminum Plate	**HBLALU2010A** A: 1.84" (47.74) B: .91" (23.11) C: 1.51" (38.35)
Blank End Fitting For closing end of raceway.	Anodized Aluminum	**HBLALU2010B** A: 1.84" (46.74) B: .91" (23.11)

Fittings

Description	Material	Catalog Number
Cover Clip Use to cover potential openings where two pieces of HBLALU2000 Raceway cover come together.	Stainless Steel	**HBLALU2006** A: 1.00" (25.40)
Wire Clip For holding conductors in place.	Anodized Aluminum	**HBLALU2000WC** A: .44" (11.20)
Flush Plate Adaptor For feeding HBL2000 Raceway from an existing wall outlet. Locknut included.	Anodized Aluminum	**HBLALU2051H** A: 4.50" (114.3) B: 4.50" (114.3)
Coupling (Pair) For joining lengths of HBLALU2000 Raceway.	Aluminum	**HBLALU2001** A: 1.67" (42.42) B: 1.67" (42.42)

Devices and In-Line Fittings

Description	Material	Catalog Number
In-Line Switch Fitting (Switch sold separately).	Anodized Aluminum	**HBLALU2040A** A: 4.12" (104.65) B: 1.84" (46.74)
Ground Adapter (Plated) For connection of equipment grounding conductor to provide an additional ground to raceway. Screws included.	Steel**	**HBLALU2009** A: 2.35" (59.8) B: 1.18" (30.0)
Supporting Clip For mounting lengths of HBLALU2000 Raceway at any point. Mount with #6 flat head fastener. Has set screw for locking to raceway. Raceway must be screwed to the wall for secure fastening.	Stainless Steel	**HBLALU2003** A: 2.00" (50.80)

*Note: *HBLALU2001 couplings included.*
***Galvanized Steel.*

Dimensions in Inches (mm)

Aluminum PlugTrak® Series

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.





USB



Tamper-Resistant

	Amp	Circuits	Single Recept.	USB Ports	Receptacle Spacing (in.)	Catalog Number
3 Foot	15	Single	6	—	6	**HBLALU20GB306**
	15	IG/Single	6	—	6	**HBLALU20IG306**
	15	TR/Single	6	—	6	**HBLALU20GB306TR**
	15	USB/Single	2	2	12	**HBLALU20GB312U**
	20	Single	6	—	6	**HBLALU24GB306**
	20	IG/Single	6	—	6	**HBLALU24IG306**
	20	TR/Single	6	—	6	**HBLALU24GB306TR**
5 Foot	15	Single	10	—	6	**HBLALU20GB506**
	15	Single	5	—	12	**HBLALU20GB512**
	15	IG/Single	10	—	6	**HBLALU20IG506**
	15	TR/Single	5	—	12	**HBLALU20GB512TR**
	20	Single	10	—	6	**HBLALU24GB506**
	20	Single	5	—	12	**HBLALU24GB512**
	20	IG/Single	10	—	6	**HBLALU24IG506**
	20	TR/Single	5	—	12	**HBLALU24GB512TR**
6 Foot	15	Single	12	—	6	**HBLALU20GB606**
	15	Single	6	—	12	**HBLALU20GB612**
	15	Single	4	—	18	**HBLALU20GB618**
	15	Two	12	—	6	**HBLALU20GBA606**
	15	Two	6	—	12	**HBLALU20GBA612**
	15	Two	4	—	18	**HBLALU20GBA618**
	15	IG/Single	12	—	6	**HBLALU20IG606**
	15	USB/Single	4	4	12	**HBLALU20GB612U**
	20	Single	12	—	6	**HBLALU24GB606**
	20	Single	6	—	12	**HBLALU24GB612**
	20	Single	4	—	18	**HBLALU24GB618**
	20	Two	12	—	6	**HBLALU24GBA606**
	20	Two	6	—	12	**HBLALU24GBA612**
	20	Two	4	—	18	**HBLALU24GBA618**
	20	IG/Single	12	—	6	**HBLALU24IG606**

Note: IG = Isolated Ground, TR = Tamper-Resistant and U = USB.
Hubbell Aluminum PlugTrak is supplied with two HBLALU2010B blank end fittings and one HBLALU2001 coupling.

	Description		Catalog Number
Device Boxes	Standard 1-Gang Device Box		**HBLALU2047**
	Deep 1-Gang Device Box		**HBLALU2044**
	Standard 2-Gang Device Box		**HBLALU20472**
	Deep 2-Gang Device Box		**HBLALU20442**
	Round Box		**HBLALU2038**
Elbows and Tees	External Elbow		**HBLALU2018**
	Internal Elbow		**HBLALU2017**
	Flat Elbow		**HBLALU2011**
	Tee		**HBLALU2015**
Fittings	Cover Clip		**HBLALU2006**
	Supporting Clip		**HBLALU2003**
	Coupling		**HBLALU2001**
	Entrance End Fitting		**HBLALU2010A**
	In-Line Switch Fitting		**HBLALU2040A**
	Blank End Fitting		**HBLALU2010B**

Note: See pages S-34 and S-35 for additional information.

Dimensions in Inches (mm)

Products at a Glance



HBLALU3800 and HBLALU4800 Series

- Single and two channel aluminum raceways
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified



Split Covers

- Single and two channel raceways utilize common cover
- Split covers allow access to one service at a time
- Common aesthetics throughout line



Wide Selection of Fittings

- External, internal, flat and tee fittings available to accommodate all types of applications
- Available in both single and two channel versions



Device Cover Plates

- Cover plates can be used for both HBLALU3800 and HBLALU4800 Raceways
- Cover plates offer option for most common power device applications
- Low profile bezel cover accommodates Hubbell iSTATION Modules
- Open System data option available
- Base mounted cover plates available for added strength

Available in PRE-WIRED

UL LISTED CSA CERTIFIED

HBLALU3800 Series

HBLALU3800 Series

Description	Material	Catalog Number
Single Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 3.00" (76.20) H: 2.25" (57.15)	Anodized Aluminum	**HBLALU3800B10** A: 2.10" (53.34) B: 3.00" (76.20)
Cover Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALUC5** A: 3.00" (76.20)

Elbows and Tees

Description	Material	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU3817*** A: 6.00" (152.40) B: 6.00" (152.40)
Inverted Internal Elbow For connecting a vertical run of HBLALU3800 with a horizontal run with its cover facing up.	Anodized Aluminum	**HBLALU3817N*** A: 6.00" (152.40) B: 5.98" (151.89)
External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU3818*** A: 6.00" (152.40) B: 6.00" (152.40)
Tee For branch connections of two runs of HBLALU3800 Raceway.	Anodized Aluminum	**HBLALU3815*** A: 6.00" (152.40) B: 6.00" (152.40)
Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU3811*** A: 6.00" (152.40) B: 6.00" (152.40)

End Fittings

Description	Material	Catalog Number
Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	**HBLALU3810B1** A: 3.00" (76.20) B: 2.31" (58.74)
Blank End Fitting For closing end of raceway.	Anodized Aluminum	**HBLALU3810B** A: 3.00" (76.20) B: 2.31" (58.74)

Fittings

Description	Material	Catalog Number
Cover Clip To cover seam where lengths of HBLALU3800 Raceway come together.	Stainless Steel	**HBLALU3806** A: 1.38" (34.92)
Wire Clip For holding conductors in place. Can be used for either HBLALU3800 or HBLALU4800 Raceway.	Anodized Aluminum	**HBLALUWC** A: 1.00" (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	**HBLALU17A** A: 4.00" (101.80) B: 2.00" (50.83)
Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	**HBLALU09** A: 4.00" (101.80) B: 2.00" (50.83)
Couplings (Pair) To join lengths of HBLALU3800 or HBLALU4800 base.	Aluminum	**HBLALU01** A: 2.85" (72.39) B: 4.00" (101.80)

*Note: *HBLALU01 couplings included.*

See page S-40 for cover plates.

Dimensions in Inches (mm)

HBLALU4800 Series

HBLALU4800 Series

Description	Material	Catalog Number
Two Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 6.00" (152.40) H: 2.25" (57.15)	Anodized Aluminum	**HBLALU4800B10** A: 2.10" (53.34) B: 6.00" (152.40)
Cover (Single Channel) Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALUC5** A: 3.00" (76.20)

Elbows and Tees

Description	Material	Catalog Number
Internal Elbow (Two Channel) For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU4817*** A: 6.00" (152.40) B: 6.00" (152.40)
Inverted Internal Elbow (Two Channel) For connecting a vertical run of HBLALU4800 with a horizontal run with its cover facing up.	Anodized Aluminum	**HBLALU4817N*** A: 6.00" (152.40) B: 5.98" (151.89)
External Elbow (Two Channel) For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU4818*** A: 6.00" (152.40) B: 6.00" (152.40)
Tee (Two Channel) For branch connections of two runs of HBLALU4800 Raceway.	Anodized Aluminum	**HBLALU4815*** A: 9.00" (228.60) B: 9.00" (228.60)
Flat Elbow (Two Channel) For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU4811*** A: 9.00" (228.60) B: 9.00" (228.60)

End Fittings

Description	Material	Catalog Number
Entrance End Fitting (Two Channel) For feeding raceway, has two concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	**HBLALU4810B2** A: 6.00" (152.40) B: 2.31" (58.74)
Blank End Fitting (Two Channel) For closing end of raceway.	Anodized Aluminum	**HBLALU4810B** A: 6.00" (152.40) B: 2.31" (58.74)

Fittings

Description	Material	Catalog Number
Cover Clip To cover seam where lengths of HBLALU4800 Raceway come together.	Stainless Steel	**HBLALU4806** A: 1.38" (34.92)
Wire Clip Used for holding conductors in place on raceway. Can be used for either HBLALU3800 or HBLALU4800 Raceway.	Anodized Aluminum	**HBLALUWC** A: 1.00" (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	**HBLALU17A** A: 4.00" (101.80) B: 2.00" (50.83)
Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	**HBLALU09** A: 4.00" (101.80) B: 2.00" (50.83)
Couplings (Pair) To join lengths of HBLALU3800 or HBLALU4800 base.	Aluminum	**HBLALU01** A: 2.85" (72.39) B: 4.00" (101.80)

*Note: *HBLALU01 couplings included.*

See page S-40 for cover plates.

Dimensions in Inches (mm)

HBLALU3800 and HBLALU4800 Series

Cover Plates

Description	Material	Catalog Number
Duplex Receptacle Cover For duplex receptacles and duplex communication frames shown on page S-45.	Anodized Aluminum	**HBLALUDR** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34DRBM** (Base Mounted Device)
Rectangular Style Line® Cover For Style Line rectangular duplex receptacle, GFCI, surge device or rectangular communication frames shown on page S-45.	Anodized Aluminum	**HBLALUG** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34GBM** (Base Mounted Device)
Single Receptacle Cover For single receptacle with face diameters of 1.56 in. to 1.59 in. (39.62 to 40.39).	Anodized Aluminum	**HBLALUF** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34FBM** (Base Mounted Device)
Blank Cover To cover 12 in. (305.00) section of raceway.	Anodized Aluminum	**HBLALUBL** A: 3.00" (76.20) B: 12.00" (304.80)
Hubbell iSTATION Cover For mounting Hubbell iSTATION Modules. For the HBLALUPB use the KPIMBZGY on page S-45 with modules from page S-46. For the HBLALULPBA use the IMF1GY on page S-46 or any IFPxxGY plates on page S-45.	Anodized Aluminum	**HBLALULPB** A: 3.00" (76.20) B: 12.00" (304.80) C: 1.90 (48.26) D: 4.21 (106.93) **HBLALULPBA** A: 3.00" (76.20) B: 12.00" (304.80) C: 1.90 (48.26) D: 3.00" (76.20)

Description	Material	Catalog Number
Toggle Switch Cover For single pole, two pole, three way or four way switches.	Anodized Aluminum	**HBLALUN** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34NBM** (Base Mounted Device)
Single Receptacle Cover For single receptacle with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31).	Anodized Aluminum	**HBLALUE** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34EBM** (Base Mounted Device)
Single Receptacle Cover For single receptacle with face diameter of 2.13 in. (54.10).	Anodized Aluminum	**HBLALUJ** A: 3.00" (76.20) B: 12.00" (304.80) **HBLALU34JBM** (Base Mounted Device)
Ortronics® Cover Plate For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included.	Anodized Aluminum	**HBLALUABRT** A: 3.00" (76.20) B: 12.00" (304.80)

Base Mounted Device Cover Design

No exposed screw holes. Receptacle is securely mounted to the raceway base rather than the cover.



Dimensions in Inches (mm)

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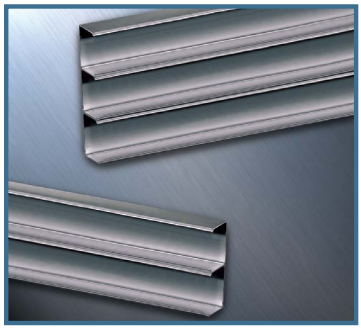
Products at a Glance



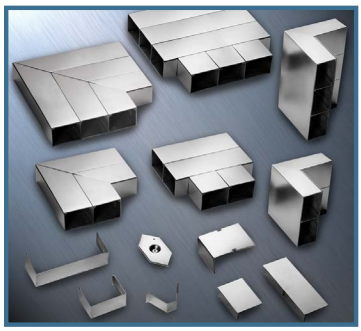
HBLALU5000 and HBLALU7620 Series

- Two and three channel aluminum raceways
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified



Covers

- Two and three channel raceway utilize common covers
- Available in single and dual channel cover designs
- Single covers allow access to one service at a time
- Dual channel cover fits over two channels for a seamless look
- Common aesthetics throughout line



Wide Selection of Fittings

- External, internal, flat and tee fittings available to accommodate all types of applications
- Available in both two and three channel versions



Compatible Cover Plates

- Cover plates can be used for both HBLALU5000 and HBLALU7620 Raceways
- Cover plates offer option for most common power device applications
- Low profile bezel cover accommodates Hubbell iSTATION Modules
- Open System data option available
- Base mounted cover plates available for added strength

Available in PRE-WIRED

UL LISTED CSA CERTIFIED

HBLALU5000 Series

HBLALU5000 Series

Description	Material	Catalog Number
Two Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 5.08" (129.03) H: 1.75" (44.45)	Anodized Aluminum	**HBLALU5000B10** A: 1.66" (42.16) B: 5.08" (129.03)
Cover (Single Channel) Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALUC57** A: 2.54" (64.52)

Elbows and Tees

Description	Material	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU5017*** A: 6.00" (152.40) B: 6.00" (152.40)
External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU5018*** A: 6.00" (152.40) B: 6.00" (152.40)
Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU5011*** A: 9.00" (228.60) B: 9.00" (228.60)
Inverted Internal Elbow For connecting a vertical run of HBLALU5000 with a horizontal run with its cover facing up.	Anodized Aluminum	**HBLALU5017N*** A: 5.91" (150.20) B: 5.98" (151.89)
Tee For branch connections of two runs of HBLALU5000 Raceway.	Anodized Aluminum	**HBLALU5015*** A: 9.00" (228.60) B: 8.08" (205.30)

End Fittings

Description	Material	Catalog Number
Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	**HBLALU5010B2** A: 5.08" (129.10) B: 1.75" (44.40)
Blank End Fitting For closing end of raceway.	Anodized Aluminum	**HBLALU5010B** A: 5.08" (129.10) B: 1.75" (44.40)

Fittings

Description	Material	Catalog Number
Cover Clip To cover seam where lengths of HBLALU5000 Raceway come together.	Stainless Steel	**HBLALU5006** A: 1.38" (34.92)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	**HBLALU5717A** A: 3.50" (88.90) B: 2.38" (60.30)
Couplings (Pair) To join lengths of HBLALU5000 or HBLALU7620 base.	Aluminum	**HBLALU5701** A: 2.38" (60.30) B: 4.00" (101.80)
Wire Clip For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway.	Anodized Aluminum	**HBLALU57WC** A: 1.00" (25.40)
Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	**HBLALU5709** A: 3.37" (85.50) B: 2.00" (50.83)

*Note: *HBLALU5701 couplings included.*
See page S-44 for cover plates.

Dimensions in Inches (mm)

HBLALU7620 Series

HBLALU7620 Series

Description	Material	Catalog Number
Three Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 7.62" (193.55) H: 2.25" (57.15)	Anodized Aluminum	**HBLALU7620B10** A: 2.16" (54.86) B: 7.62" (193.55)
Cover (Single Channel) Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALUC57** A: 2.54" (64.52)

Elbow Fittings

Description	Material	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	**HBLALU7617*** A: 6.50" (165.10) B: 6.50" (165.10)
Inverted Internal Elbow For connecting a vertical run of HBLALU7620 with a horizontal run with its cover facing up.	Anodized Aluminum	**HBLALU7617N*** A: 6.50" (165.10) B: 5.98" (151.89)
External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	**HBLALU7618*** A: 5.50" (139.70) B: 5.50" (139.70)
Tee For branch connections of two runs of HBLALU7620 Raceway.	Anodized Aluminum	**HBLALU7615*** A: 9.00" (228.60) B: 10.62" (269.80)
Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	**HBLALU7611*** A: 11.54" (293.10) B: 11.54" (293.10)

End Fittings

Description	Material	Catalog Number
Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	**HBLALU7610B2** A: 7.62" (193.50) B: 2.31" (58.70)
Blank End Fitting For closing end of raceway.	Anodized Aluminum	**HBLALU7610B** A: 7.62" (193.50) B: 2.31" (58.70)

Fittings

Description	Material	Catalog Number
Cover Clip To cover seam where lengths of HBLALU7620 Raceway come together.	Stainless Steel	**HBLALU7606** A: 1.38" (34.92)
Wire Clip For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway.	Anodized Aluminum	**HBLALU57WC** A: 1.00" (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	**HBLALU5717A** A: 3.50" (88.90) B: 2.38" (60.30)
Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	**HBLALU5709** A: 3.37" (85.50) B: 2.00" (50.83)
Couplings (Pair) To join lengths of HBLALU5000 or HBLALU7620 base.	Aluminum	**HBLALU5701** A: 2.38" (60.30) B: 4.00" (101.80)

*Note: *HBLALU5701 couplings included.*
See page S-44 for cover plates.

Dimensions in Inches (mm)

HBLALU5000 and HBLALU7620 Series

Cover Plates

Description	Material	Catalog Number
Duplex Receptacle Cover For duplex receptacles and duplex communication frames shown on page S-45.	Anodized Aluminum	**HBLALU57DR** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57DRBM** (Base Mounted Device)
Rectangular Style Line® Cover For Style Line rectangular duplex receptacle, GFCI, surge device or rectangular communication frames shown on page S-45.	Anodized Aluminum	**HBLALU57G** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57GBM** (Base Mounted Device)
Single Receptacle Cover For single receptacle with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31).	Anodized Aluminum	**HBLALU57E** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57EBM** (Base Mounted Device)
Hubbell iSTATION Cover For mounting Hubbell iSTATION modules. IMF1GY or IFPxxGY frames and plates on pages S-45 and S-46.	Anodized Aluminum	**HBLALU57LPB** A: 2.54" (64.50) B: 12.00" (304.80) C: 1.90 (48.26) D: 3.00" (76.20)
2-Gang Raised Device Box KP device plates only, found on page S-45.	Gray PVC	**HBLALU57KP2G** A: 5.08" (129.10) B: 7.64" (193.90)

Description	Material	Catalog Number
Toggle Switch Cover For single pole, two pole, three way or four way switches.	Anodized Aluminum	**HBLALU57N** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57NBM** (Base Mounted Device)
Blank Cover To cover 12 in. (305.00) section of raceway.	Anodized Aluminum	**HBLALU57BL** A: 2.54" (64.50) B: 12.00" (304.80)
Single Receptacle Cover For single receptacle with face diameters of 1.56 in. to 1.59 in. (39.62 to 40.39).	Anodized Aluminum	**HBLALU57F** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57FBM** (Base Mounted Device)
Ortronics® Cover Plate For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included.	Anodized Aluminum	**HBLALU57ABRT** A: 2.54" (64.50) B: 12.00" (304.80)

Base Mounted Device Cover Design

No exposed screw holes. Receptacle is securely mounted to the raceway base rather than the cover.



Dimensions in Inches (mm)

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Device Brackets, Plates and Frames

1. Choose Device Mounting Bracket

Description	Color	HBL4750 Series	HBL6750 Series
Device Mounting Bracket for HBL4750 and HBL6750 Series Metal Raceway.	Ivory Gray	 **HBL4750IV** **HBL4750GY**	 **HBL6750IV** **HBL6750GY**

2. Choose 1-Gang "KP" Plates

Color		Catalog Number		Catalog Number		Catalog Number		Catalog Number
Almond Gray		**KP8GY** Duplex		**KP26GY** Style Line®		**KP1GY** Toggle		**KP7GY** Receptacle (1.41 ID)
Almond Gray		**KP14GY** Blank		**KP212GY** Coax (2)		**KP2140GY** Jack/Coax		**KP720GY** Receptacle (1.60 ID)
Almond Gray		**KPORTGY** Ortronics Series II® Data Module		**KPPANGY** Panduit Mini-Com® Data Module		**KP2162GY** Modular Jacks (2)		**KP2163GY** Modular Jacks (3)
Almond Gray		**KPIMBZGY** 3-Unit iSTATION (Accepts all Hubbell iSTATION Modules located in Network Wiring section Y).						

Comm. "IFP" Plates & Frames

Color		Catalog Number		Catalog Number		Catalog Number		Catalog Number
Ivory Gray		**ISF2EI** **ISF2GY** Style Line® 2-Port		**ISF3EI** **ISF3GY** Style Line® 3-Port		**ISF4EI** **ISF4GY** Style Line® 4-Port		**ISF6EI** **ISF6GY** Style Line® 6-Port
Ivory Gray Office White		— **IFP126GY** **IFP126OW** Style Line®		— — **IFP18OW** Duplex		**BR106E** **BR106G** Duplex 2-Port		**Q106E** **Q106G** Duplex 4-Port
Ivory Gray		**IFP12EI** **IFP12GY** Flush 2-Port		**IFP13EI** **IFP13GY** Flush 3-Port		**IFP14EI** **IFP14GY** Flush 4-Port		**IFP16EI** **IFP16GY** Flush 6-Port

Note: For HBL3000 series raceway applications, catalog number HBL3051LEIV/GY must be used with plates and devices.
See page S-46 or section Y for additional information on datacom products.

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Frame Modules and Modular Connector Fittings

1. Choose Plate Frame

Description	Color	HBL4750 Series	HBL6750 Series
Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. Use KPIMBZOW/GY plate with modules for HBL4750 and HBL6750 Series device mounting bracket located on page S-45. See section Y for additional Hubbell iSTATION modules and datacom products.	Ivory Gray	 **IMF1EI** **IMF1GY**	 **IMF2EI** **IMF2GY**

Note: Each gang accepts 3 module units.

2. Choose Modules

Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Ivory Gray	 **IMB05EI** **IMB05GY** Blank Module .5 Unit	 **IMB1EI** **IMB1GY** Blank Module 1 Unit	 **IMB15EI** **IMB15GY** Blank Module 1.5 Unit	
Ivory Gray	 **IM1K1EI** **IM1K1GY** Modular Flat 1 Unit	 **IM2K1EI** **IM2K1GY** Modular Flat 1 Unit	 **IM1KA15EI** **IM1KA15GY** Modular Angled 1.5 Unit	 **IM2KA15EI** **IM2KA15GY** Modular Angled 1.5 Unit
Ivory Gray	 **IM1SCA15EI** **IM1SCA15GY** SC 1 Duplex Angled, 1.5 Unit	 **IM2SCA2EI** **IM2SCA2GY** SC 2 Duplex Angled, 2 Unit	 **IM1IA15EI** **IM1IA15GY** Modular Recessed 1.5 Unit	 **IM2IA15EI** **IM2IA15GY** Modular Recessed 1.5 Unit

Keystone Opening
Hole size for mounting all Hubbell Jacks.



A: .580" (14.73)
B: .760" (19.30)

Modular connectors to be used with any plate with a standard modular opening. Not recommended for use with KP plates. For KP applications use KPIMBZAL/GY bezel and appropriate Hubbell iSTATION modules located in the section Y. See section Y for additional modular connectors.

Modular Connector Fittings

Color	Catalog Number	Catalog Number	Catalog Number
Ivory Gray	 **SFFGEI** **SFFGGY** F-Type Coupler Gold	 **SFFEX** **SFFGX** F-Type Coupler Nickel	 **SFBE10** **SFBG10** Blank (10 Pack)
Ivory Gray	 **SFRCRFFEI** **SFRCRFFGY** RCA Gold Pass-through F/F Coupler Red Insulator	 **SFRCWFFEI** **SFRCWFFGY** RCA Gold Pass-through F/F Coupler White Insulator	 **SFRCYFFEI** **SFRCYFFGY** RCA Gold Pass-through F/F Coupler Yellow Insulator
Black housing only	 **SFRC110R** RCA 110 Punchdown Red Insulator	 **SFRC110W** RCA 110 Punchdown White Insulator	 **SFRC110Y** RCA 110 Punchdown Yellow Insulator
Black	 **SFSV110BK** S-Video 110	 **SFSVBK** S-Video F/F Coupler	 **SFSPGBK*** **SFSPGR**** Speaker Post Connector

*Note: *Office white housing with black ring color.*
***Office white housing with red ring color.*

Xcelerator Modular Jacks

Color	Catalog Number	Catalog Number	Catalog Number
Ivory Gray	 **HXJ5EEI** **HXJ5EGY** Cat. 5e, T568A, T568B, RJ45	 **HXJ6EI** **HXJ6GY** Cat. 6, T568A, T568B, RJ45	 **HXJUEI** **HXJUGY** 6 Position USOC, RJ25

Note: See section Y for additional Hubbell Xcelerator modular jacks and colors.

Dimensions in Inches (mm)

Wire Fill Capacity Chart and Technical Information

Metal and Aluminum Raceway Wire Fill Capacities

				Power (THHN/T90 Nylon)			Voice		Data (Copper Cables)					Data (Multimode Fiber Optic Cables)		
				14 AWG	12 AWG	10 AWG	4–Pair	25–Pair	Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	(2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
			Wire O.D. (in):	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	.12 X .24
			Wire Area (sq. in.):	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288
	Series		Channel Area (sq. in.)	Wire Fill Capacity			40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
Metal Raceway	HBL500		0.22	7	5	3	2	0	1	2	1	1	1	2	8	2
	HBL700		0.26	10	7	4	3	0	2	3	2	1	1	3	8	3
	HBL750		0.40	12	9	5	6	1	3	5	3	2	2	6	15	6
	HBL2000		0.89	7	7	0	13	3	8	10	7	4	5	13	33	12
	HBL2000A		0.86	35	26	16	11	2	7	9	7	4	5	13	33	12
	HBL2400		1.39	57	41	26	19	4	12	16	11	5	8	19	51	19
	HBL2400D	Channel– A	0.86	26	19	11	12	2	7	9	7	3	5	12	31	11
	A B	Channel– B	0.37	11	9	6	5	1	3	4	3	1	2	5	13	5
	HBL3000		3.70	152	111	70	52	11	32	43	30	15	22	52	136	51
	HBL4750	No Barriers	7.20	296	216	136	102	22	63	83	59	30	44	102	264	100
	A B	Barrier Centered Ch. A	3.10	127	93	58	44	9	27	36	25	13	19	44	114	43
		Barrier Centered Ch. B	3.30	127	93	58	47	10	29	38	27	14	20	47	121	46
	A B	Barrier Offset Ch. A	2.10	86	63	39	30	6	18	24	17	9	13	30	77	29
		Barrier Offset Ch. B	4.30	176	129	81	61	13	37	50	35	18	26	61	158	60
	HBL6750	No Barriers	13.77	566	412	259	195	42	120	159	112	57	83	195	505	191
	A A A	Barrier Offset 1/3 Ch. A	4.59	189	138	86	65	14	40	53	37	19	28	65	168	64
	A B	Barrier Offset 2/3 Ch. B	9.18	379	278	173	130	28	80	106	75	38	56	130	337	128
Aluminum Raceway	HBLALU2000		1.20	49	36	22	16	3	10	13	9	4	7	16	44	16
	HBLALU3800		5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
	HBLALU4800	Center Barrier/ Both Channels	11.60	428	312	196	164	35	101	134	95	48	70	164	426	161
		Center Barrier/ 1 Channel	5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
	HBLALU5000	Center Barrier/ Both Channels	7.60	312	228	142	106	22	64	86	60	30	46	106	278	104
		Center Barrier/ 1 Channel	3.80	156	114	71	53	11	32	43	30	15	23	53	139	52
	HBLALU7620	2 Barriers with 3 Equal Channels/Total	15.00	618	450	282	210	45	129	171	120	60	90	210	549	207
		2 Barriers with 3 Equal Channels/ 1 Channel	5.00	206	150	94	70	15	43	57	40	20	30	70	183	69

Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

Physical Properties

Material	Galvanized Steel or Anodized Aluminum

Metal PlugTrak Specifications

Receptacle Rating	NEMA 5-15R and NEMA 5-20R
Wire	#12 AWG Stranded Copper
Receptacle Face	Thermoplastic

Codes/Standards

TIA/EIA	569B
UL Standard	UL 5
Listings	E253976 /E253830 /E253833
CSA Standard	C22.2 no. 62
Certification	LR87514

Cross Reference

Hubbell Catalog Number	Wiremold® Catalog Number
HBL500 Series	**500 Series**
HBL502B	502
HBL605CUT	605
HBL600B	600B
HBL605K	605K
HBL500TFIV	N/A
HBL50010IV	V500
HBL504IV	V504
HBL506IV	V506
HBL511IV	V511
HBL512IV	V512
HBL517IV	V517
HBL518IV	V518
HBL750 Series	**700 Series**
HBL607CUT	607
HBL7502B	702
HBL607K	607K
HBL750TFIV	N/A
HBL75010IV	V700
HBL7504IV	V704
HBL7506IV	V706
HBL711IVA	V711
HBL712IV	V712
HBL717IVA	V717
HBL718IVA	V718
HBL500/HBL750 Series	**500/700 Series**
HBL5701C	5701
HBL5709	5709
HBL5780	5780
HBL5781	5781
HBL5782C	5782
HBL5791	5791
HBL5709GC	5709GC
HBL5781A	5781A
HBL5782A	5782A
HBL5790B	5790B
HBL5752RA	R5752
HBL5753RA	R5753
HBL5700FIVA	V5700F
HBL5703IV	V5703
HBL5711LHIVA	V5711LH
HBL5711RHIVA	V5711RH
HBL5715IVA	V5715
HBL5719IVA	V5719
HBL57242IVA	V57242
HBL5731IV	V5731
HBL5733IVA	V5733
HBL5735IVA	V5735
HBL5736IV	V5736
HBL5737IVA	V5737
HBL5737AIVA	V5737A
HBL5738IVA	V5738
HBL5738AIVA	V5738A
HBL5738AFIVA	V5738AF
HBL5739IVA	V5739
HBL5739AIVA	V5739A
HBL5744IVA	V5744
HBL57442IVA	V5744-2
HBL57443IVA	V5744-3
HBL5744SIVA	V5744S
HBL5744S2IVA	V5744S-2
HBL5744S3IVA	V5744S-3
HBL5745IVA	V5745
HBL5747IVA	V5747
HBL57472IVA	V5747-2
HBL57473IVA	V5747-3
HBL5748IVA	V5748

Hubbell Catalog Number	Wiremold® Catalog Number
HBL57482IVA	V5748-2
HBL57483IVA	V5748-3
HBL57484IVA	V5748-4
HBL57485IVA	V5748-5
HBL57486IVA	V5748-6
HBL5751IVA	V5751
HBL57512IVA	V5751-2
HBL57513IVA	V5751-3
HBL5751AIVA	V5751A
HBL5752IVA	V5752
HBL5753IVA	V5753
HBL5760IVA	V5760
HBL5783IVA	V5783
HBL5784IVA	V5784
HBL5785IVA	V5785
HBL5786IVA	V5786
HBL5786AIVA	N/A
HBL5711BRIVA	N/A
HBL5715BRIVA	N/A
HBL5717BRIVA	N/A
HBL5718BRIVA	N/A
HBL2000 Series	**2000 Series**
HBL620C	620
HBL2001C	2001
HBL2003SC	2003
HBL2009GC	2009
HBL2000WC	2000WC
HBL2000WCA	N/A
HBL2017TC	2017TC
HBL620BCK	620BCK
HBL2000B5GY	G2000B-5
HBL2000BCGY	G2000BC
HBL2000BCAGY	N/A
HBL2000CGY	G2000C
HBL2000CAGY	G2100C
HBL2006GY	G2006
HBL2010A2GY	G2010A2
HBL2010A3GY	G2010A3
HBL2010BGY	G2010B
HBL2011GY	G2011
HBL2011BRGY	N/A
HBL2015GY	G2015
HBL2015BRGY	N/A
HBL2017BRGY	N/A
HBL2018BRGY	N/A
HBL2018CGY	G2018C
HBL2048GY	G2048
HBL20482GY	G2048-2
HBL2051HGY	G2051H
HBL2000TFIV	N/A
HBL2000TFGY	N/A
HBL2000B5IV	V2000B-5
HBL2000BCIV	V2000BC
HBL2000BCAIV	N/A
HBL2000CIV	V2000C
HBL2000CAIV	V2100C
HBL2006IV	V2006
HBL2010A2IV	V2010A2
HBL2010A3IV	V2010A3
HBL2010BIV	V2010B
HBL2011IV	V2011
HBL2011BRIV	N/A
HBL2015IV	V2015
HBL2015BRIV	N/A
HBL2017BRIV	N/A
HBL2018BRIV	N/A
HBL2018CIV	V2018C

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Cross Reference

Hubbell Catalog Number	Wiremold® Catalog Number
HBL2048IV	V2048
HBL20482IV	V2048-2
HBL2051HIV	V2051H
HBL2089IV	V2089
HBL2089EIV	V2089E
HBL2400/HBL2400D Series	**2400/2400D Series**
HBL624CUT	624
HBL2401C	2401
HBL2409GC	2409
HBL2400WC	2400WC
HBL2401DC	2401D
HBL624BCK	624BCK
HBL24DRK	N/A
HBL24SRK	N/A
HBL24106DRK	N/A
HBL24106RRK	N/A
HBL4724REDIV	N/A
HBL2420REDIV	N/A
HBL2400TFIV	N/A
HBL2400DTFIV	N/A
HBL2400BIV	V2400B
HBL2400B10IV	V2400B-10
HBL2400BCIV	V2400BC
HBL2400BDIV	V2400BD
HBL2400CIV	V2400C
HBL2406IV	V2406
HBL2410AIV	V2410A
HBL2410BIV	V2410B
HBL2410BDIV	V2410BD
HBL2410CIV	V2410C
HBL2410DFOIV	V2410DFO
HBL2410FCIV	V2410FC
HBL2411DFOIV	V2411DFO
HBL2415DFOIV	V2411DFO
HBL2411IV	V2411FO
HBL2415IV	V2415FO
HBL2417DFOIV	V2417DFO
HBL2417IV	V2417FO
HBL2418DFOIV	V2418DFO
HBL2418IV	V2418FO
HBL2426IV	V2426
HBL2444IVA	V2444
HBL24442IV	V2444-2
HBL2444DIVA	V2444D
HBL2444D2AIV	V2444D-2A
HBL2448IVA	V2448
HBL24482IV	V2448-2
HBL2451HIV	V2451H
HBL2475DBRIV	V2475D
HBL2489IV	V2489
HBL3000 Series	**3000 Series**
HBL630B	630B
HBL630BDK	630BDK
HBL630C	630C
HBL630CDK	630CDK
HBL3000BGY	G3000B
HBL3000C075GY	G3000C075
HBL3000C195GY	G3000C195
HBL3000CEGY	G3000CE
HBL3000WCGY	G3000WC
HBL3001GY	G3001
HBL3001AGY	G3001A
HBL3003GY	G3003

Hubbell Catalog Number	Wiremold® Catalog Number
HBL3006EGY	G3006E
HBL3007CGY	G3007C
HBL3010AEGY	G3010AE
HBL3010BGY	G3010B
HBL3010CGY	G3010C
HBL3011EGY	G3011E
HBL3014CGY	G3014C
HBL3015EGY	G3015E
HBL3017TCEGY	G3017TCE
HBL3018AEGY	G3018AE
HBL3027AEGY	G3027AE
HBL3028GY	G3028
HBL3033JEGY	G3033JE
HBL3036HEGY	G3036HE
HBL3040CEGY	G3040CE
HBL3043BEGY	G3043BE
HBL30442GY	G3044-2
HBL3046BEGY	G3046BE
HBL3046H2GY	G3046H-2
HBL3048RGY	G3048R
HBL3051LEGY	G3051LE
HBL3082GY	G3082
HBL3086GY	G3086
HBL3200REDIV	N/A
HBL3200REDGY	N/A
HBL3000TFIV	N/A
HBL3000TFGY	N/A
HBL3000BIV	V3000B
HBL3000C075IV	V3000C075
HBL3000C195IV	V3000C195
HBL3000CEIV	V3000CE
HBL3003IV	V3003
HBL3006EIV	V3006E
HBL3010AEIV	V3010AE
HBL3010BIV	V3010B
HBL3010CIV	V3010C
HBL3011EIV	V3011E
HBL3014CIV	V3014C
HBL3015EIV	V3015E
HBL3017TCEIV	V3017TCE
HBL3018AEIV	V3018AE
HBL3027AEIV	V3027AE
HBL3028IV	V3028
HBL3033JEIV	V3033JE
HBL3036HEIV	V3036HE
HBL3040CEIV	V3040CE
HBL3043BEIV	V3043BE
HBL30442IV	V3044-2
HBL3046BEIV	V3046BE
HBL3046H2IV	V3046H-2
HBL3048RIV	V3048R
HBL3051LEIV	V3051LE
HBL3086IV	V3086
HBL4750 Series	**4000 Series**
HBL4751AC	4001A
HBL4750IV	V4050
HBL640C	640C
HBL4750B10GY	G4000B-10
HBL4750C075GY	G4000C075
HBL4750C195GY	G4000C195
HBL640B	640B
HBL4747RXIV	V4047RX
HBL4747RFIV	V4047RF
HBL4747C1GY	G4047C-1
HBL4747BXGY	G4047BX
HBL4747RXGY	G4047RX
HBL4747RFGY	G4047RF

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Cross Reference

Hubbell Catalog Number	Wiremold® Catalog Number
HBL4747JXGY	G4047JX
HBL4747C2GY	G4047C-2
HBL4715DFOGY	G4015DFO
HBL4717NGY	G4017N
HBL4746H2GY	G4046H-2
HBL4718DFOGY	G4018FO
HBL47472BBFFGY	G4047-2BBFF
HBL47472BBBBGY	G4047-2BBBB
HBL47472BBSSGY	G4047-2BBSS
HBL47472BBXXGY	G4047-2BBXX
HBL47472BBTTGY	G4047-2BBTT
HBL4747AXGY	G4047AX
HBL47472RRXXGY	G4047-2RRXX
HBL4747BFGY	G4047BF
HBL4747BBGY	G4047BB
HBL4747BRGY	N/A
HBL4747BRIV	N/A
HBL4747BTGY	G4047BT
HBL4747BSGY	G4047BS
HBL4774AGY	G4074A
HBL4750GY	G4050
HBL47472RRXXIV	V4047-2RRXX
HBL47472BBXXIV	V4047-2BBXX
HBL4747BBIV	V4047BB
HBL4747AXIV	V4047AX
HBL4747BFIV	V4047BF
HBL4747BTIV	V4047BT
HBL4747BSIV	V4047BS
HBL4747C1IV	V4047C-1
HBL4747BXIV	V4047BX
HBL4747JXIV	V4047JX
HBL4747C2IV	V4047C-2
HBL4750CIV	V4000C
HBL4750B10IV	V4000B-10
HBL4750C315IV	V4000C315
HBL4750C195IV	V4000C195
HBL4711DFOIV	V4011FO
HBL4711IV	V4011
HBL4710DFOIV	V4010DFO
HBL4710IV	V4010
HBL4710BIV	V4010B
HBL4756AIV	V4006
HBL4714AIV	V4014A
HBL4712TXIV	V4012TX
HBL4750C135IV	V4000C135
HBL4750C075IV	V4000C075
HBL4717DFOIV	V4017FO
HBL4717IV	V4017
HBL4715DFOIV	V4015DFO
HBL4715IV	V4015
HBL4718DFOIV	V4018FO
HBL4718IV	V4018
HBL4717NIV	V4017N
HBL47472BBBBIV	V4047-2BBBB
HBL4746H2IV	V4046H-2
HBL47472BBTTIV	V4047-2BBTT
HBL47472BBSSIV	V4047-2BBSS
HBL4747CVMGY	G6007C-1
HBL4786AGY	G4086A
HBL4750TFIV	N/A
HBL4747CVM2GY	G6007C-2
HBL4750BP	N/A
HBL4750TFGY	N/A
HBL4756AGY	G4006
HBL4751DA	4001DA
HBL640BDK	640BDK
HBL640CDK	640CDK
HBL4750CGY	G4000C
HBL4750C135GY	G4000C135

Hubbell Catalog Number	Wiremold® Catalog Number
HBL4750C315GY	G4000C315
HBL4750DGY	G4000D
HBL4750WCGY	G4000WC
HBL4710BGY	G4010B
HBL4710DFOGY	G4010DFO
HBL4710GY	G4010
HBL4711DFOGY	G4011FO
HBL4711GY	G4011
HBL4712TXGY	G4012TX
HBL4714AGY	G4014A
HBL4717DFOGY	G4017FO
HBL4717GY	G4017
HBL4717TCAGY	G4017TCA
HBL4774AIV	V4074A
HBL4786AIV	V4086A
HBL4747CVMIV	V6007C-1
HBL4747CVM2IV	V6007C-2

HBL6750 Series	6000 Series
HBL6751A	6001A
HBL660C	640C
HBL660CDK	640CDK
HBL660B	660B
HBL660BDK	660BDK
HBL6718DFOGY	G4018FO
HBL6718GY	G6017TX
HBL6746HHHGY	G4046H-2 (4000 Series 2-Gang)
HBL67473BBBBBBGY	G4047-2BBBB (4000 Series 2-Gang)
HBL67473BBBBFFGY	G4047-2BBFF (4000 Series 2-Gang)
HBL67473BBBBSSGY	G4047-2BBSS (4000 Series 2-Gang)
HBL67473BBBBTTGY	G4047-2BBTT (4000 Series 2-Gang)
HBL67473BBBBXXGY	G4047-2BBXX (4000 Series 2-Gang)
HBL6747AXXGY	G4047AX (4000 Series 2-Gang)
HBL6747BBBGY	G4047BB (4000 Series 2-Gang)
HBL6747BBFGY	G4047BF (4000 Series 2-Gang)
HBL6747BBSGY	G4047BS (4000 Series 2-Gang)
HBL6747BBTGY	G4047BT (4000 Series 2-Gang)
HBL6747BXXGY	G4047BX (4000 Series 2-Gang)
HBL6747C1GY	V4047C-1 (4000 Series 1-Gang Overlapping)
HBL6747C2GY	V4047C-2 (4000 Series 2-Gang Overlapping)
HBL6747JXXGY	G4047JX (4000 Series 2-Gang)
HBL6747RRFGY	G4047RF (4000 Series 2-Gang)
HBL6747RXXGY	G4047RX (4000 Series 2-Gang)
HBL67473RRRRXXGY	G4047-2RRXX
HBL6750GY	G4050
HBL6750B10GY	G6000B-10
HBL6750CGY	G6000C
HBL6750DAGY	G6000DA
HBL6750WCGY	G6000WC
HBL6751DAGY	G6001DA
HBL6756AGY	G6006
HBL6710BGY	G6010B
HBL6711DFOGY	G6011TX
HBL6711GY	G6011TX
HBL6712TXGY	G6012TX
HBL6714AGY	G6014A
HBL6717DFOGY	G6017TX
HBL6717GY	G6017TX
HBL6774AGY	G6074A
HBL6786GY	G6086
HBL6750C075IV	N/A
HBL6750C075GY	N/A
HBL6750C135IV	N/A
HBL6750C135GY	N/A
HBL6750C195IV	N/A
HBL6750C195GY	N/A
HBL6750C315IV	N/A
HBL6750C315GY	N/A

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Cross Reference

Hubbell Catalog Number	Wiremold® Catalog Number
HBL6715DFOIV	N/A
HBL6715IV	N/A
HBL6715DFOGY	N/A
HBL6715GY	N/A
HBL6717NIV	N/A
HBL6717NGY	N/A
HBL6717TCAGY	N/A
HBL6710DFOIV	N/A
HBL6710DFOGY	N/A
HBL6750TFIV	N/A
HBL6750TFGY	N/A
HBL6718DFOIV	V4018FO
HBL6746HHHIV	V4046H-2 (4000 Series 2-Gang)
HBL67473BBBBXXGY	V4047-2BBBB (4000 Series 2-Gang)
HBL67473BBBBFFIV	V4047-2BBFF (4000 Series 2-Gang)
HBL67473BBBBSSIV	V4047-2BBSS (4000 Series 2-Gang)
HBL67473BBBBTTIV	V4047-2BBTT (4000 Series 2-Gang)
HBL67473BBBBXXIV	V4047-2BBXX (4000 Series 2-Gang)
HBL6747AXXIV	V4047AX (4000 Series 2-Gang)
HBL6747BBBIV	V4047BB (4000 Series 2-Gang)
HBL6747BBFIV	V4047BF (4000 Series 2-Gang)
HBL6747BBSIV	V4047BS (4000 Series 2-Gang)
HBL6747BBTIV	V4047BT (4000 Series 2-Gang)
HBL6747BXXIV	V4047BX (4000 Series 2-Gang)
HBL6747C1IV	V4047C-1 (4000 Series 1-Gang Overlapping)
HBL6747C2IV	V4047C-2 (4000 Series 2-Gang Overlapping)
HBL6747JXXIV	V4047JX (4000 Series 2-Gang)
HBL6747RRFIV	V4047RF (4000 Series 2-Gang)
HBL6747RXXIV	V4047RX (4000 Series 2-Gang)
HBL67473RRRRXXIV	V4047-2RRXX
HBL6750IV	V4050
HBL6750B10IV	V6000B-10
HBL6750CIV	V6000C
HBL6756AIV	V6006
HBL6710BIV	V6010B
HBL6711DFOIV	V6011TX
HBL6711IV	V6011TX
HBL6712TXIV	V6012TX
HBL6714AIV	V6014A
HBL6774AIV	V6074A
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Metal PlugTrak®	Metal Plugmold®
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HBL20C215GY	G20-C2
HBL20C315IV	N/A
HBL20C315GY	N/A
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HBL20IG306GY	G20IG306
HBL20GB506GY	G20GB506
HBL20GB512GY	G20GB512
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HBL24GB618GY	G24GB618

Hubbell Catalog Number	Wiremold® Catalog Number
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HBL24GBA618GY	G24GBA618
HBL20GB306IV	V20GB306
HBL20IG306IV	V20IG306
HBL20GB506IV	V20GB506
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HBLALU2051H	AL2051H

Aluminum PlugTrak®	Aluminum Plugmold®
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HBLALU24GB506	N/A
HBLALU24GB512	N/A

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Cross Reference

Hubbell Catalog Number	Wiremold® Catalog Number
HBLALU24IG506	N/A
HBLALU24GB606	N/A
HBLALU24GB612	N/A
HBLALU24GB618	N/A
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HBLALUBL	ALA-BL
HBLALUDR	ALA-DR
HBLALUE	ALA-E
HBLALUF	ALA-F
HBLALUG	ALA-G
HBLALUJ	ALA-J
HBLALUN	ALA-N
HBLALULPB	N/A

Touch-Up Paint	Touch-Up Paint
HBLGWEP	GWE-S
HBLIWEP	IWE-S

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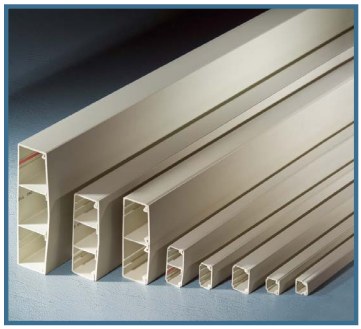
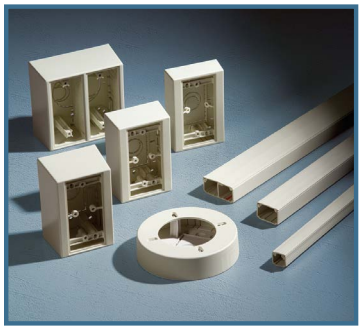
Products at a Glance



Hubbell PolyTrak® Non-Metallic Surface Raceway

- PolyTrak® Non-Metallic Surface Raceway is a complete system with raceway, fittings, boxes and devices
- Sizes range from single channel PremiseTrak® to three channel Super BaseTrak® for all types of surface raceway requirements
- Single and two channel latching raceways are dual-rated for both power and data applications, reducing inventory requirements
- UL Listed and CSA Certified to 600 volts
- Office white color



One Box, Three Systems

- Boxes have three cut-aways that can be utilized with WallTrak®, LANTrak and PremiseTrak (Latching) systems
- Reduces inventory requirements
- Eliminates need to order three separate boxes
- Boxes available in low, standard and deep profiles.
- Two-gang divided box available for power, data, voice, audio and video applications
- Boxes utilize Hubbell KP plates or Hubbell iSTATION Modules and Bezels



Flush or Full Capacity Boxes

- Super BaseTrak® and BaseTrak® Raceway offer multiple solutions for box installation
- Super BaseTrak® in-line three-gang box allows maximum capacity in a flush design
- Super BaseTrak® and BaseTrak® available in single, two and three-gang full capacity boxes
- Two and three channel BaseTrak® (PB2 and PB3) available with one and two-gang in-line boxes
- Full capacity in-line boxes eliminate the need to de-rate the wire fill capacity due to the intrusion of devices into the raceway channel



Non-Metallic PlugTrak®

- Available as hard wired multi-outlet assembly or relocatable power tap
- Hubbell designed and manufactured 15 or 20 Amp receptacles
- UL Listed and CSA Certified
- Office white color

Hard Wired Multi-Outlet PlugTrak®

- Available in 5 ft. (1.5m) or 6 ft. (1.8m) lengths
- Available in single, two circuit and is inherently an isolated ground product
- Multiple spacing configurations
- Hard wired PlugTrak® mates with LANTrak® fittings and boxes
- Tamper-Resistant versions available

Portable PlugTrak®

- Available in 3 ft. (0.9m) or 5 ft. (1.5m) lengths
- 6 ft. (1.8m) length 15 or 20 Amp molded cord set allows reliable access
- Pre-punched holes make mounting easy

PT1 PremiseTrak® (Non-Latching)

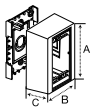
PT1 PremiseTrak®

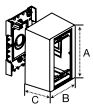
Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	**PT1BC5** **PT1BC7** A: .68" (17.27) B: .75" (19.05)	**PT1ABC5** **PT1ABC7** A: .68" (17.27) B: .75" (19.05)

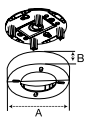


Device Boxes

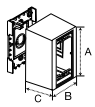
Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page S-63 for recommended plate options.	Office White	**PT12LPB** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.12" (28.45)
1-Gang Standard Box For standard switches and receptacles. See page S-63 for recommended plate options.	Office White	**PT12SBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.63" (41.40)
Round Lighting Fixture Box To hang fixtures.	Office White	**PT12LFB** A: 5.31" (134.87) B: 1.04" (26.52)

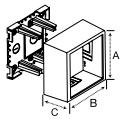







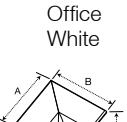
Description	Color	Catalog Number
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page S-63 for recommended plate options.	Office White	**PT12DBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.91" (48.51)
2-Gang Deep Box For deep devices or applications where additional room is beneficial. Uses 2-gang "KP", "IMF", or "IFP" plates for power or data applications. See page S-63 for recommended plate options.	Office White	**PT12TGB** A: 4.90" (124.46) B: 5.06" (128.52) C: 1.91" (48.51)

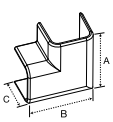


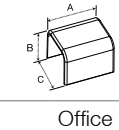
Fittings

Description	Color	Catalog Number
Internal Elbow, Cover Only For inside surfaces at right angles.	Office White	**PT1IE** A: 1.34" (34.04) B: 1.34" (34.04) C: 0.89" (22.61)
Flat Elbow, Cover Only For right angle turns on same surface.	Office White	**PT1FE** A: 1.33" (33.78) B: 1.33" (33.78) C: 0.74" (18.80)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PT1SC** A: 1.00" (25.40) B: 0.74" (18.80) C: 0.89" (22.61)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	**PT12CA** A: 1.64" (41.66) B: 1.62" (41.15) C: 2.50" (63.50)



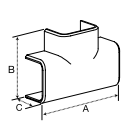


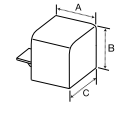


Description	Color	Catalog Number
External Elbow, Cover Only For outside surfaces at right angles.	Office White	**PT1EE** A: 1.24" (31.50) B: 1.24" (31.50) C: 0.88" (22.35)
Tee, Cover Only For T-connection off PremiseTrak® Raceway.	Office White	**PT1TC** A: 1.77" (44.90) B: 1.33" (33.78) C: 0.74" (18.80)
End Cap For closing end of raceway.	Office White	**PT1EC** A: 0.88" (22.35) B: 0.74" (18.80) C: 0.89" (22.61)





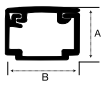


Dimensions in Inches (mm)

PP1 PremiseTrak® (Latching)

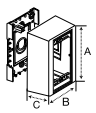
PP1 PremiseTrak®

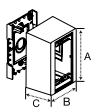
Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	**PP1BC5** **PP1BC7** A: 0.77" (19.56) B: 0.84" (21.34)	**PP1ABC5** **PP1ABC7** A: 0.77" (19.56) B: 0.84" (21.34)

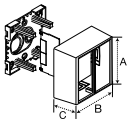



Device Boxes

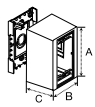
Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page S-63 for recommended plate options.	Office White	**PDB12LP** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)
1-Gang Standard Box For standard switches and receptacles. See page S-63 for recommended plate options.	Office White	**PDB12S** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)
2-Gang Deep Divided Box For deep switches, receptacles and communication devices. See page S-63 for single gang "KP" plate options. Comes with removable divider.	Office White	**PDB12TGD** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)

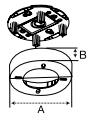



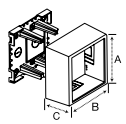



Description	Color	Catalog Number
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page S-63 for recommended plate options.	Office White	**PDB12D** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)
Round Lighting Fixture Box To hang fixtures.	Office White	**PDB12LF** A: 5.31" (134.87) B: 1.29" (32.77)
2-Gang Deep Undivided Box For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only. See page S-63 for details.	Office White	**PDB12TGLV** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)

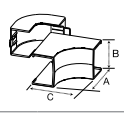



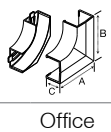



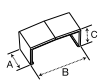



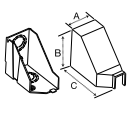
Fittings

Description	Color	Catalog Number
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.	Office White	**PP1IE*** **PP1IEBC**** A: 2.40" (60.96) B: 1.03" (26.16) C: 2.40" (60.96)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.	Office White	**PP1FE*** **PP1FEBC**** A: 2.62" (66.55) B: 2.62" (66.55) C: 0.85" (21.59)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PP1SC** A: 1.09" (27.69) B: 1.02" (25.91) C: 0.85" (21.59)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	**PLP1CACF** A: 2.29" (58.17) B: 3.31" (84.07) C: 3.90" (99.06)

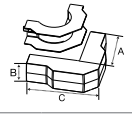



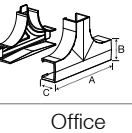



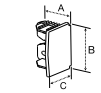



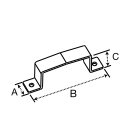



Description	Color	Catalog Number
External Elbow Full capacity 1¼ in. bend radius external elbow.	Office White	**PP1EE*** **PP1EEBC**** A: 4.47" (113.54) B: 1.03" (26.16) C: 4.47" (113.54)
Tee Full capacity 1¼ in. bend radius tee.	Office White	**PP1TC*** **PP1TCBC**** A: 4.22" (107.19) B: 2.62" (66.55) C: 0.85" (21.59)
End Cap For closing end of raceway.	Office White	**PP1EC** A: 1.00" (25.40) B: 0.84" (21.34) C: 0.77" (19.56)
Safety Strap For preventing potential tampering with PP1 PremiseTrak cover. Can also be used as a splice cover.	Office White	**PP1SS** A: 0.62" (15.75) B: 1.94" (49.28) C: 0.86" (21.84)

*Note: *Cover only. **Base and Cover.*

Dimensions in Inches (mm)

PL1 LANTrak® (Latching)

PL1 LANTrak®

Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	**PL1BC5** **PL1BC7** A: 1.04" (26.42) B: 1.38" (35.05)	**PL1ABC5** **PL1ABC7** A: 1.04" (26.42) B: 1.38" (35.05)



Device Boxes

Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page S-63 for recommended plate options.	Office White	**PDB12LP** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)
1-Gang Standard Box For standard switches and receptacles. See page S-63 for recommended plate options.	Office White	**PDB12S** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)
2-Gang Deep Divided Box For deep switches, receptacles and communication devices. See page S-63 for single gang "KP" plate options. Comes with removable divider.	Office White	**PDB12TGD** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)

Description	Color	Catalog Number
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page S-63 for recommended plate options.	Office White	**PDB12D** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)
Round Lighting Fixture Box To hang fixtures.	Office White	**PDB12LF** A: 5.31" (134.87) B: 1.29" (32.77)
2-Gang Deep Undivided Box For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only. See page S-63 for details.	Office White	**PDB12TGLV** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)

Fittings

Description	Color	Catalog Number
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.	Office White	**PL1IE*** **PL1IEBC**** A: 2.51" (63.75) B: 1.57" (39.88) C: 2.51" (63.75)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.	Office White	**PL1FE*** **PL1FEBC**** A: 3.19" (81.03) B: 3.19" (81.03) C: 1.11" (28.19)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PL1SC** A: 1.12" (28.45) B: 1.55" (39.37) C: 1.11" (28.19)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	**PLP1CACF** A: 2.29" (58.17) B: 3.31" (84.07) C: 3.90" (99.06)

Description	Color	Catalog Number
External Elbow Full capacity 1¼ in. bend radius external elbow.	Office White	**PL1EE*** **PL1EEBC**** A: 5.06" (128.52) B: 1.57" (39.88) C: 5.06" (128.52)
Tee Full capacity 1¼ in. bend radius tee.	Office White	**PL1TC*** **PL1TCBC**** A: 4.75" (120.65) B: 3.15" (80.01) C: 1.11" (28.19)
End Cap For closing end of raceway.	Office White	**PL1EC** A: 1.00" (25.40) B: 1.39" (35.31) C: 1.04" (26.42)
Safety Strap For preventing potential tampering with PL1 LANTrak cover. Can also be used as a splice cover.	Office White	**PL1SS** A: 0.62" (15.75) B: 2.68" (68.07) C: 1.12" (28.45)

*Note: *Cover only. **Base and Cover.*

Dimensions in Inches (mm)

PW1 WallTrak® Low Profile (Latching)

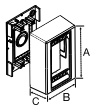
PW1 WallTrak®

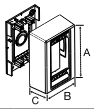
Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	**PW1BC5** **PW1BC7** A: .50" (12.70) B: 1.19" (30.23)	**PW1ABC5** **PW1ABC7** A: .50" (12.70) B: 1.19" (30.23)



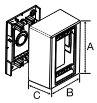

Device Boxes

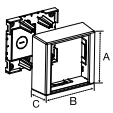
Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page S-63 for recommended plate options.	Office White	**PW1LPB** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.13" (28.70)
1-Gang Standard Box For standard switches and receptacles. See page S-63 for recommended plate options.	Office White	**PW1SBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.63" (41.40)
Round Lighting Fixture Box To hang fixtures.	Office White	**PW1LFB** A: 5.31" (134.87) B: 1.04" (26.52)
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page S-63 for recommended plate options.	Office White	**PW1DBA** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.91" (48.51)
2-Gang Deep Box For deep devices or applications where additional room is beneficial. Uses 2-gang "KP" or "IFP" plates for power or data applications. See page S-63 for recommended plate options.	Office White	**PW1TGB** A: 4.90" (124.46) B: 5.06" (128.52) C: 1.91" (48.51)





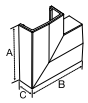




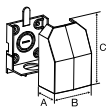
Fittings

Description	Color	Catalog Number
Internal Elbow, Cover Only For inside surfaces at right angles.	Office White	**PW1IE** A: 1.75" (44.45) B: 1.43" (36.32) C: 1.75" (44.45)
Flat Elbow, Cover Only For right angle turns on same surface.	Office White	**PW1FE** A: 2.18" (55.37) B: 2.18" (55.37) C: .60" (15.24)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PW1SC** A: 1.00" (25.40) B: 1.43" (36.32) C: .60" (15.24)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	**PW1CA** A: 1.40" (35.56) B: 2.34" (59.44) C: 3.22" (81.79)
External Elbow, Cover Only For outside surfaces at right angles.	Office White	**PW1EE** A: 1.50" (38.10) B: 1.43" (36.32) C: 1.50" (38.10)
Tee, Cover Only For T-connection off PremiseTrak® Raceway.	Office White	**PW1TC** A: 2.93" (74.42) B: 2.18" (55.37) C: .60" (15.24)
End Cap For closing end of raceway.	Office White	**PW1EC** A: 1.00" (25.40) B: 1.24" (31.50) C: .50" (12.70)

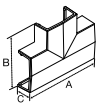


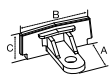









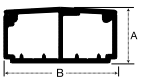




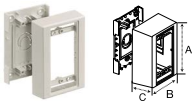
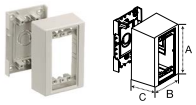
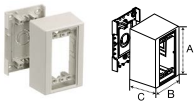
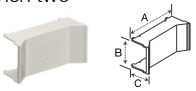
Dimensions in Inches (mm)

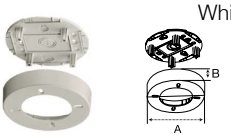
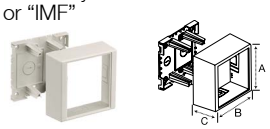
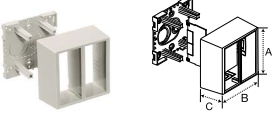
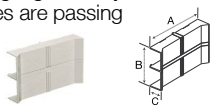
PW2 WallTrak® (Latching)

PW2 WallTrak®

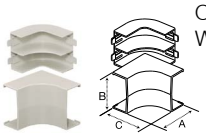
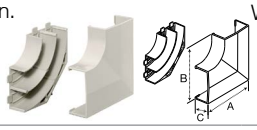
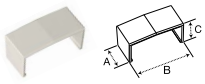
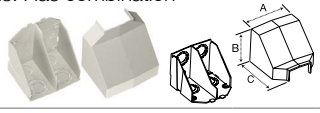
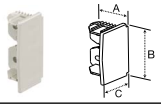
Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Two channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.  	Office White	5 ft. 7 ft.	**PW2BC5** **PW2BC7** A: 1.04" (26.42) B: 2.12" (53.85)	**PW2ABC5** **PW2ABC7** A: 1.04" (26.42) B: 2.12" (53.85)

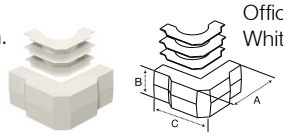
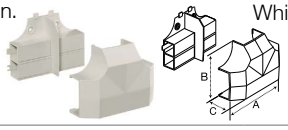
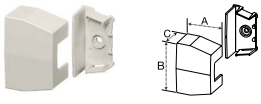
Device Boxes

Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page S-63 for recommended plate options. 	Office White	**PDB12LP** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)
1-Gang Standard Box For standard switches and receptacles. See page S-63 for recommended plate options. If using dual services, the PDB1DIV must be ordered. 	Office White	**PDB12S** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page S-63 for recommended plate options. If using dual services, the PDB1DIV must be ordered. 	Office White	**PDB12D** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)
1-Gang Divider For use with PDB12S and PDB12D 1-gang boxes. Required when two services are passing through box. 	Office White	**PDB1DIV** A: 2.79" (70.86) B: 1.40" (35.56) C: 0.94" (23.88)

Description	Color	Catalog Number
Round Lighting Fixture Box To hang fixtures. 	Office White	**PDB12LF** A: 5.31" (134.87) B: 1.29" (32.77)
2-Gang Deep Undivided Box For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only. See page S-63 for details. 	Office White	**PDB12TGLV** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)
2-Gang Deep Divided Box For deep devices or applications where additional room is beneficial. See page S-63 for single gang "KP" plate options. Comes with removable divider. If using dual services, in a perpendicular run the PDB2DIV must be ordered. 	Office White	**PDB12TGD** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)
2-Gang Divider For use with PDB12TGD 2-gang box only. Required when two services are passing through box and mounting devices perpendicular to raceway. 	Office White	**PDB2DIV** A: 4.62" (117.35) B: 2.76" (70.10) C: 0.94" (23.88)

Fittings

Description	Color	Catalog Number
Internal Elbow Full capacity 1¼ in. bend radius internal elbow. 	Office White	**PW2IE*** **PW2IEBC**** A: 2.83" (71.88) B: 2.32" (58.93) C: 2.83" (71.88)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow. 	Office White	**PW2FE*** **PW2FEBC**** A: 3.94" (100.08) B: 3.94" (100.08) C: 1.11" (28.19)
Splice Cover For covering potential openings where two lengths of raceway come together. 	Office White	**PW2SC** A: 1.11" (28.19) B: 2.30" (58.42) C: 1.11" (28.19)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs. 	Office White	**PW2CACF** A: 4.18" (106.17) B: 3.32" (84.33) C: 4.20" (106.68)
End Cap For closing end of PW2 WallTrak Raceway. 	Office White	**PW2EC** A: 1.00" (25.40) B: 2.14" (54.36) C: 1.04" (26.42)

Description	Color	Catalog Number
External Elbow Full capacity 1¼ in. bend radius external elbow. 	Office White	**PW2EE*** **PW2EEBC**** A: 5.00" (127.00) B: 2.32" (58.93) C: 5.00" (127.00)
Tee Full capacity 1¼ in. bend radius tee. 	Office White	**PW2TC*** **PW2TCBC**** A: 5.42" (137.67) B: 3.91" (99.31) C: 1.90" (48.26)
Safety Strap For preventing potential tampering with PW2 WallTrak Cover. Can also be used as a splice cover. 	Office White	**PW2SS** A: 0.62" (15.75) B: 3.43" (87.12) C: 1.12" (28.45)
Reducer Reduces from PW2 WallTrak Raceway to one or two PP1 PremiseTrak Raceway(s). 	Office White	**PW2RED** A: 1.62" (41.15) B: 2.40" (60.96) C: 1.15" (29.21)

*Note: *Cover only. **Base and Cover.*

Dimensions in Inches (mm)

PB2 BaseTrak®

PB2 BaseTrak®

Description	Color	Length	Catalog Number
Base Two channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 4.50" (114.30) H: 1.63" (41.40)	Office White	5 ft. 10 ft.	**PB2B5** **PB2B10** A: 1.42" (36.07) B: 4.50" (114.30)
Cover Cover allows access to multiple channels. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.	Office White	5 ft. 10 ft.	**PB2C5** **PB2C10** B: 4.50" (114.30)
Split Cover Cover allows separation of channels and access to a single channel. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. Two split covers are required for each raceway section.	Office White	5 ft. 10 ft.	**PB2SPL5** **PB2SPL10** B: 2.22" (56.39)

Device Boxes

Description	Color	Catalog Number
2-Gang In-Line Box For switches, receptacles and communication devices. Provides flush look. See page S-63 for recommended single gang "KP" plate options.	Office White	**PB2IND2G** A: 7.66" (194.56) B: 4.74" (120.40) C: 1.84" (46.74)

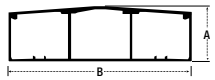
Fittings

Description	Color	Catalog Number
Internal Elbow, Base and Cover Full capacity 1¼ in. bend radius internal elbow.	Office White	**PB3IEBCA** A: 4.36" (110.74) B: 4.72" (119.89) C: 4.36" (110.74)
External Elbow, Base and Cover Full capacity 1¼ in. bend radius external elbow.	Office White	**PB3EEBCA** A: 6.48" (164.59) B: 4.72" (119.89) C: 6.48" (164.59)
Flat Elbow, Base and Cover Full capacity 1¼ in. bend radius flat elbow.	Office White	**PB3FEBCA** A: 7.64" (194.66) B: 7.64" (194.66) C: 1.71" (43.43)
Tee, Base and Cover Full capacity 1¼ in. bend radius tee.	Office White	**PB3TCBCA** A: 7.37" (187.20) B: 7.08" (179.83) C: 2.72" (69.09)
Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	**PB3SC** A: 1.56" (39.62) B: 4.74" (120.40) C: 1.69" (42.93)
Safety Strap For preventing potential tampering with PB2 BaseTrak cover. Can also be used as a splice cover.	Office White	**PB3SS** A: 1.50" (38.10) B: 6.01" (152.65) C: 1.74" (44.20)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.	Office White	**PB2CACF** A: 4.72" (119.89) B: 5.22" (132.70) C: 6.30" (160.02)
Reducer Reduces from PB2 BaseTrak Raceway to PW2 WallTrak Raceway.	Office White	**PB3REDA** A: 3.50" (88.90) B: 4.72" (119.89) C: 1.73" (43.94)
Transition Fitting Transitions horizontal PB2 BaseTrak to vertical PW2 WallTrak, PL1 LANTrak or PP1 PremiseTrak.	Office White	**PB3TRBC** A: 3.22" (81.79) B: 7.28" (184.91) C: 2.42" (61.47)
Surface Panel Connector For connecting PB2 Raceway with surface type panel boxes.	Office White	**PB3SPCA** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.60" (40.64)
Wire Clip For holding conductors in place.	Office White	**PB2WC** A: 1.29" (50.20) B: 1.00" (25.40)
End Cap For closing end of PB2 BaseTrak Raceway.	Office White	**PB3ECA** A: 2.02" (51.31) B: 4.68" (118.97) C: 1.72" (43.69)

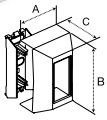
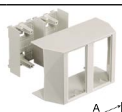
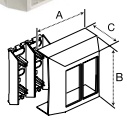
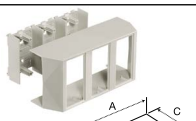
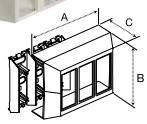
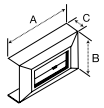
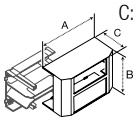
Dimensions in Inches (mm)

PB3 BaseTrak®

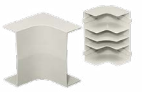
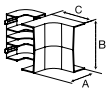
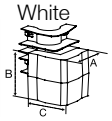
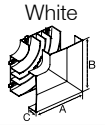
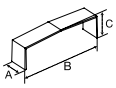
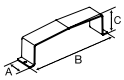
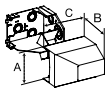
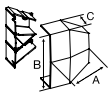
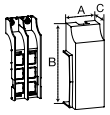
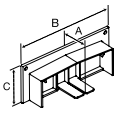
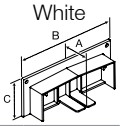
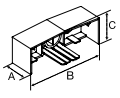
PB3 BaseTrak®

Description		Color	Length	Catalog Number
Base and Cover Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.	 	Office White	5 ft. 10 ft.	**PB3BC5** **PB3BC10** A: 1.63" (41.40) B: 4.50" (114.30)

Device Boxes

Description	Color	Catalog Number		Catalog Number		Catalog Number
Full Capacity Boxes 1-, 2- and 3-Gang boxes that allows full capacity from PB3 Raceway to box for either power or datacom applications. See page S-63 for recommended single gang "KP" plate options.  	Office White	**PB3FCIB** (1-Gang) A: 4.38" (111.25) B: 4.80" (121.92) C: 3.17" (80.52)	 	**PB3FCIB2G** (2-Gang) A: 7.20" (182.88) B: 4.80" (121.92) C: 3.17" (80.52)	 	**PB3FCIB3G** (3-Gang) A: 9.96" (252.98) B: 4.80" (121.92) C: 3.17" (80.52)
1-Gang In-Line Box For switches, receptacles and communication devices. Provides flush look. See page S-63 for recommended plate options.  	Office White	**PB3IND** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	**2-Gang In-Line Box** For switches, receptacles and communication devices. Barriers allow separation of power and datacom. Removal of barriers allows for expanded capacity. See page S-63 for recommended single gang "KP" plate options.  	Office White	**PB3IND2G** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)

Fittings

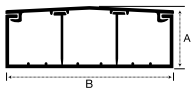
Internal Elbow Full capacity 1¼ in. bend radius internal elbow.  	Office White	**PB3IE*** **PB3IEBCA**** A: 4.36" (110.74) B: 4.72" (119.89) C: 4.36" (110.74)	**External Elbow** Full capacity 1¼ in. bend radius external elbow.  	Office White	**PB3EE*** **PB3EEBCA**** A: 6.48" (164.59) B: 4.72" (119.89) C: 6.48" (164.59)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.  	Office White	**PB3FE*** **PB3FEBCA**** A: 7.64" (194.66) B: 7.64" (194.66) C: 1.71" (43.43)	**Tee** Full capacity 1¼ in. bend radius tee.  	Office White	**PB3TCBCA**** A: 7.37" (187.20) B: 7.08" (179.83) C: 2.72" (69.09)
Splice Cover For covering potential openings where two lengths of raceway come together.  	Office White	**PB3SC*** A: 1.56" (39.62) B: 4.74" (120.40) C: 1.69" (42.93)	**Safety Strap** Prevents potential tampering with PB3 BaseTrak cover. Can also be used as a splice cover.  	Office White	**PB3SS*** A: 1.50" (38.10) B: 6.01" (152.65) C: 1.74" (44.20)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.  	Office White	**PB3CACF**** A: 4.72" (119.89) B: 5.22" (132.70) C: 6.30" (160.02)	**Reducer** Reduces from PB3 BaseTrak Raceway to PW2 WallTrak Raceway.  	Office White	**PB3REDA**** A: 3.50" (88.90) B: 4.72" (119.89) C: 1.73" (43.94)
Transition Fitting Transitions horizontal PB3 BaseTrak to vertical PW2 WallTrak, PL1 LANTrak or PP1 PremiseTrak.  	Office White	**PB3TRBC**** A: 3.22" (81.79) B: 7.28" (184.91) C: 2.42" (61.47)	**Transition Fitting** Transitions from BT3 (old style) BaseTrak Raceway to PB3 (new style) BaseTrak Raceway.  	Office White	**BTPB3TF*** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.35" (34.29)
Surface Panel Connector For connecting PB3 Raceway with surface type panel boxes.  	Office White	**PB3SPCA*** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.60" (40.64)	**End Cap** For closing end of PB3 BaseTrak Raceway.  	Office White	**PB3ECA*** A: 2.02" (51.31) B: 4.68" (118.97) C: 1.72" (43.69)
Wire Clip For holding conductors in place.  	Office White	**PB3WC** A: 1.34" (34.10) B: 1.00" (25.40)			

*Note: *Cover only. **Base and Cover.*

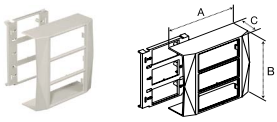
Dimensions in Inches (mm)

PS3 Super BaseTrak®

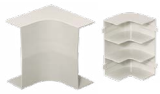
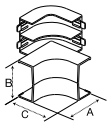
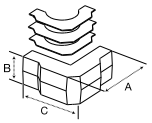
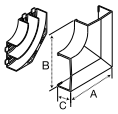
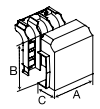
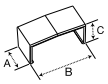
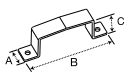
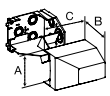
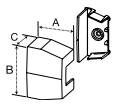
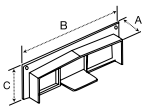
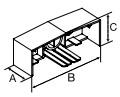
PS3 BaseTrak®

Description	Color	Length	Catalog Number
Base and Cover Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.  	Office White	5 ft. 10 ft.	**PS3BC5** **PS3BC10** A: 1.97" (50.04) B: 6.70" (170.18)

Device Boxes

Description	Color	Catalog Number	Catalog Number	Catalog Number
Full Capacity Boxes 1-, 2- and 3-Gang boxes that allows full capacity from PS3 Raceway to box for either power or datacom applications. See page S-63 for recommended single gang "KP" plate options. 	Office White	**PS3FCIB** (1-Gang) A: 4.38" (111.25) B: 6.95" (176.53) C: 3.46" (87.88)	**PS3FCIB2G** (2-Gang) A: 7.20" (182.88) B: 6.95" (176.53) C: 3.46" (87.88)	**PS3FCIB3G** (3-Gang) A: 9.96" (252.98) B: 6.95" (176.53) C: 3.46" (87.88)
3-Gang In-Line Box For any combination of power and datacom applications. Provides flush look. See page S-63 for recommended single gang "KP" plate options. 	Office White	**PS3IND** A: 7.00" (177.80) B: 6.95" (176.53) C: 2.28" (57.91)		

Fittings

Internal Elbow Full capacity 1¼ in. bend radius internal elbow.  	Office White	**PS3IE*** **PS3IEBC**** A: 4.36" (110.74) B: 6.93" (176.02) C: 4.36" (110.74)	**External Elbow** Full capacity 1¼ in. bend radius external elbow.  	Office White	**PS3EE*** **PS3EEBC**** A: 6.81" (172.97) B: 6.93" (176.02) C: 6.81" (172.97)
Flat Elbow Full capacity 1¼ in. bend radius flat elbow.  	Office White	**PS3FE*** **PS3FEBC**** A: 9.85" (250.19) B: 9.85" (250.19) C: 2.08" (52.83)	**Tee** Full capacity 1¼ in. bend radius tee.  	Office White	**PS3TCBC**** A: 10.00" (254.00) B: 9.68" (245.87) C: 3.30" (83.82)
Splice Cover For covering potential openings where two lengths of raceway come together.  	Office White	**PS3SC*** A: 1.56" (39.62) B: 6.95" (176.53) C: 2.03" (51.62)	**Safety Strap** Prevents potential tampering with PS3 Super BaseTrak cover. Can also be used as a splice cover.  	Office White	**PS3SS*** A: 1.50" (38.10) B: 8.24" (209.30) C: 2.08" (52.85)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.  	Office White	**PS3CACF**** A; 6.93" (176.02) B: 4.32" (109.73) C: 6.29" (159.77)	**Reducer** Reduces from PS3 Super BaseTrak Raceway to PB3 BaseTrak Raceway.  	Office White	**PS3RED**** A: 4.81" (122.17) B: 6.93" (176.02) C: 2.05" (52.07)
Surface Panel Connector To connect PS3 Raceway with surface type panel boxes.  	Office White	**PS3SPC*** A: 1.00" (25.40) B: 7.87" (199.90) C: 2.54" (64.52)	**End Cap** For closing end of PS3 Super BaseTrak Raceway.  	Office White	**PS3EC*** A: 1.50" (38.10) B: 6.88" (174.75) C: 2.06" (52.32)
Wire Clip For holding conductors in place.  	Office White	**PS3WC** A: 1.62" (41.15) B: 1.00" (25.40)			

*Note: *Cover only. **Base and Cover.*

Dimensions in Inches (mm)

UL LISTED CSA CERTIFIED

Non-Metallic PlugTrak®

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.



USB

Tamper-Resistant

	Amp	Circuits	Duplex Recept.	USB Ports	Recept. Spacing (in.)	Black	White	Office White
5 Foot Base and Cover	15	Single	5	—	12	**PT155112BK**	**PT155112W**	**PT155112**
	15	Two	5	—	12	**PT155212BK**	**PT155212W**	**PT155212**
	15	Single	4	—	15	**PT155115BK**	**PT155115W**	**PT155115**
	15	Single	2	—	30	**PT155130BK**	**PT155130W**	**PT155130**
	15	TR/Single	5	—	12	**PT155112TRBK**	**PT155112TRW**	**PT155112TR**
	20	Single	5	—	12	**PT205112BK**	**PT205112W**	**PT205112**
	20	Two	5	—	12	**PT205212BK**	**PT205212W**	**PT205212**
	20	Single	4	—	15	**PT205115BK**	**PT205115W**	**PT205115**
	20	Two	4	—	15	**PT205215BK**	**PT205215W**	**PT205215**
	20	Single	2	—	30	**PT205130BK**	**PT205130W**	**PT205130**
	20	TR/Single	5	—	12	**PT205112TRBK**	**PT205112TRW**	**PT205112TR**
6 Foot Base and Cover	15	Single	6	—	12	**PT156112BK**	**PT156112W**	**PT156112**
	15	Two	6	—	12	**PT156212BK**	**PT156212W**	**PT156212**
	15	Single	4	—	18	**PT156118BK**	**PT156118W**	**PT156118**
	15	Single	3	—	24	**PT156124BK**	**PT156124W**	**PT156124**
	15	USB/Single	4	4	12	**PT156112UBK**	**PT156112UW**	**PT156112U**
	20	Single	9	—	8	**PT206108BK**	**PT206108W**	**PT206108**
	20	Two	9	—	8	**PT206208BK**	**PT206208W**	**PT206208**
	20	Single	6	—	12	**PT206112BK**	**PT206112W**	**PT206112**
	20	Two	6	—	12	**PT206212BK**	**PT206212W**	**PT206212**
	20	Single	4	—	18	**PT206118BK**	**PT206118W**	**PT206118**
	20	Two	4	—	18	**PT206218BK**	**PT206218W**	**PT206218**
	20	Single	3	—	24	**PT206124BK**	**PT206124W**	**PT206124**
	20	Two	3	—	24	**PT206224BK**	**PT206224W**	**PT206224**
	20	Single	2	—	36	**PT206136BK**	**PT206136W**	**PT206136**

Note: Each Non-Metallic PlugTrak is supplied with one PL1EC end cap and "IG" stickers for isolated ground applications.





PL1MC Supporting Mounting Clip

	Amp	Length (ft.)	Cord Length (ft.)	Duplex Recept.	USB Ports	Black	White	Office White
Portable	15	3	6	3	—	**PT153112PBK**	**PT153112PW**	**PT153112P**
	15	5	6	5	—	**PT155112PBK**	**PT155112PW**	**PT155112P**
	15	3	6	4	2	**PT153112UPBK**	**PT153112UPW**	**PT153112UP**
	20	3	6	2	—	**PT203112PBK**	**PT203112PW**	**PT203112P**
	20	5	6	5	—	**PT205112PBK**	**PT205112PW**	**PT205112P**
	Supporting Mounting Clip for Portable PlugTrak.							**PL1MC**

Note: Includes ON/OFF switch and circuit breaker.

	Descript.	Catalog No.	Descript.	Catalog No.
Device Boxes	1-Gang Low Profile	**PDB12LP**	1-Gang Deep	**PDB12D**
	1-Gang Standard	**PDB12S**	Round Lighting Fixture	**PDB12LF**
	2-Gang Deep Undivided	**PDB12TGLV**	2-Gang Deep Divided	**PDB12TGD**
Fittings	Internal Elbow Base and Cover	**PL1IEBC**	Internal Elbow Cover Only	**PL1IE**
	External Elbow Base and Cover	**PL1EEBC**	External Elbow Cover Only	**PL1EE**
	Flat Elbow Base and Cover	**PL1FEBC**	Flat Elbow Cover Only	**PL1FE**
	Tee Base and Cover	**PL1TCBC**	Tee Cover Only	**PL1TC**
	Splice Cover	**PL1SC**	Safety Strap	**PL1SS**
	Conduit Adapter/ Ceiling Fitting	**PT12CA**	Conduit Adapter/ Ceiling Fitting	**PLP1CACF**
	End Cap	**PL1EC**		

Note: For additional colors add "BK" for Black or "W" for white.
See page S-56 for additional information.

Plates, Frames and Modular Connector Fittings

1-Gang and 2-Gang "KP" Plates

Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Black White Off. White	**KP8BK** **KP8W** **KP8** Duplex	**KP26BK** **KP26W** **KP26** Style Line®	**KP1BK** **KP1W** **KP1** Toggle	**KP7BK** **KP7W** **KP7** Recept. (1.41 ID)	**KP720BK** **KP720W** **KP720** Recept. (1.60 ID)
Black White Off. White	**KP14BK** **KP14W** **KP14** Blank	**KP212BK** **KP212W** **KP212** Coax (2)	**KP2140BK** **KP2140W** **KP2140** Jack/Coax	**KP2162BK** **KP2162W** **KP2162** Modular Jacks (2)	**KP2163BK** **KP2163W** **KP2163** Modular Jacks (3)
Black White Off. White	**KPORTBK** **KPORTW** **KPORTOW** Ortronics Series II® Data Module	**KPPANBK** **KPPANW** **KPPANOW** Panduit Mini-Com® Data Module	**KPIMBZBK** **KPIMBZW** **KPIMBZOW** 3-Unit iSTATION (Accepts all Hubbell iSTATION Modules located in Network Wiring section Y)		
Black White Off. White	**KP82BK** **KP82W** **KP82** 2-Gang Duplex	**KP262BK** **KP262W** **KP262** 2-Gang Style Line®	**KP2BK** **KP2W** **KP2** 2-Gang Toggle	**KP24BK** **KP24W** **KP24** 2-Gang Blank	

Note: 2-Gang "KP" plates, for use with PT12TGB and PW1TGB only.

Comm. "IFP" Plates & Frames

Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Office White	**IFP126OW** Style Line®	**ISF2OW** Style Line® 2-Port	**ISF3OW** Style Line® 3-Port	**ISF4OW** Style Line® 4-Port	**ISF6OW** Style Line® 6-Port
Office White	**IFP18OW** Duplex	**BR106C** Duplex 2-Port	**Q106O** Duplex 4-Port	**IFP12OW** Flush 2-Port	**IFP13OW** Flush 3-Port
Office White	**IFP14OW** Flush 4-Port	**IFP16OW** Flush 6-Port	**IFP26OW** 2-Gang 6-Port	**IFP29OW** 2-Gang 9-Port	**IFP212OW** 2-Gang 12-Port

Frames & Modules

Description	Color	1-Gang	2-Gang
Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. See section Y for additional information on Hubbell iSTATION modules. Each gang accepts 3 module units.	Office White	**IMF1OW**	**IMF2OW**

Modular connectors to be used with any plate with a standard modular opening. Not recommended for use with KP plates. For KP applications use KPIMBZOW bezel and appropriate Hubbell iSTATION modules located in section Y. See section Y for additional information on modular connectors.

Modular Connector Fittings

Color	Catalog Number	Catalog Number	Catalog Number
Office White	**SFFX** F-Connector	**SFSTSOW** ST Fiber Connector	**SFB10** Blank (10 Pack)
Black housing only	**SFRC110R** RCA 110 Punchdown	**SFSV110BK** Super S-Video	**FASTSCDSC6** SC to ST Duplex Adapter

Xcelerator Modular Jacks

Color	Catalog Number	Catalog Number	Catalog Number
Office White	**HXJ5EOW** Cat. 5e, T568A, T568B, RJ45	**HXJ6OW** Cat. 6, T568A, T568B, RJ45	**HXJUOW** 6 Position USOC, RJ25

Note: See section Y for additional Hubbell Xcelerator modular jacks and colors.

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Wire Fill Capacity Chart and Technical Information

Non-Metallic Raceway Wire Fill Capacities

			Power (THHN/T90 Nylon)			Voice		Data (Copper Cables)					Data (Multimode Fiber Optic Cables)		
			14 AWG	12 AWG	10 AWG	4–Pair	25–Pair	Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	(2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
		Wire O.D. (in.):	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	.12 X .24
		Wire Area (sq. in.):	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288
Series	Channel	Channel Area (sq. in.)	Wire Fill Capacity			40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
PT1	A	0.29	5	8	5	4	1	3	3	2	1	2	4	11	4
PP1	A	0.38	12	11	8	5	1	3	4	3	2	2	5	14	5
PL1	A	1.03	42	34	22	15	3	9	12	8	4	6	15	38	14
PW1	A	0.30	6	10	4	4	0	2	3	2	1	2	4	11	4
PW2	A+B	1.60	41	36	22	23	5	14	18	13	7	10	23	59	22
A B	A	0.81	12	22	12	11	2	7	9	7	3	5	11	30	11
	B	0.79	12	22	10	11	2	7	9	6	3	5	11	29	11
PB2	A+B	5.72	60	36	45	81	17	50	66	47	24	35	81	210	79
A B	A or B	2.86	42	30	28	40	9	25	33	23	12	17	40	105	40
PB3	A+B+C	5.57	60	36	45	79	17	48	64	45	23	34	79	204	77
A B C	A or C	1.80	42	30	28	25	5	16	21	15	7	11	25	66	25
	B	1.97	42	30	28	28	6	17	23	16	8	12	28	72	27
PS3	A+B+C	10.58	72	66	78	150	32	92	122	86	44	64	150	388	147
A B C	A or C	3.41	42	36	42	48	10	30	39	28	14	21	48	125	47
	B	3.76	42	36	42	53	11	33	43	31	16	23	53	138	52

Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

Recommended Plate to Box Compatibility Selection Chart

Non-Metallic Raceway Box Series		PS3 Series				PB3 Series					PB2 Series	PDB12 Series			PT12 & PW1 Series	
Plate Style	Sample Catalog Number	IND	FCIB	FCIB2G	FCIB3G	IND	IND2G	FCIB	FCIB2G	FCIB3G	IND2G	LP, S, D	TGD	TGLV	LP(B), S(BA), D(BA)	TGB
1-Gang KP Series Plate	KP8	X	X	X	X	X	X	X	X	X	X	X	X		X	
1-Gang KP Series Bezel	KPIMBZ	X	X	X	X	X	X	X	X	X	X	X	X		X	
1-Gang Standard Data Plate	IFP12OW		X	X	X	X		X	X	X		X			X	
1-Gang iSTATION Plate Frame	IMF1OW		X	X	X	X		X	X	X		X			X	
Style Line® Data Plate	IFP126OW		X	X	X	X		X	X	X		X			X	
Duplex Data Plate	IFP18OW		X	X	X	X		X	X	X		X			X	
2-Gang iSTATION Plate Frame	IMF2OW													X		X
2-Gang Standard Data Plate	IFP29OW													X		X
2-Gang KP Series Plate	KP82															X

Note: Hubbell Office White plates and devices color match all non-metallic raceway systems.

Physical Properties (When tested in accordance with UL 5A)

Impact Resistance	5 ft. lbs.
Crush Resistance	300 lbs.
Temperature Range	-25.6° to 158° F
Flame Rating	UL94V-0
Material	UV Stabilized PVC

Codes/Standards

EIA/TIA	569A
UL Standard	UL 5A
Listings	E118895 / E119190
CSA Standard	C22.2 no. 62
Certified	LR87514

PlugTrak Specifications

Receptacle Rating	NEMA 5-15R & 5-20R
Wire	#12 AWG Stranded Copper
Receptacle Face	Thermoplastic

Pre-Wired Raceway Systems

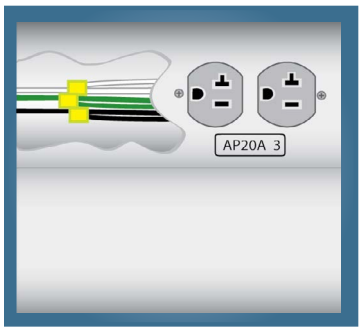
Hubbell has been setting the standard in the electrical industry since 1888, through innovations such as Twist-Lock®, Hospital Grade, and AUTOGUARD™ Self Test GFCI receptacles. Again, Hubbell has listened to our customers for new innovation, capacity requirements, and flexibility. We have taken raceway systems to the next level with ***Pre-Wired Raceway Systems*** that are manufactured to your specifications.

Our Pre-Wired Raceway Systems will accommodate your power and data requirements as your facility changes over time. Pre-Wired Raceways provide you with the benefit of keeping your fast track projects on schedule, and helping complete the job on time! Our Pre-Wired Raceway solutions will save up to 45% of the installation time needed for field installing component raceway parts.

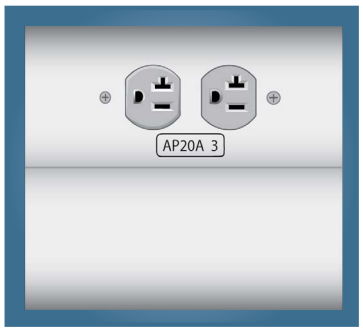
Pre-Wired Raceways are available in:

- ✓ Steel (Ivory and Gray)
- ✓ Aluminum (Satin Anodized)
- ✓ Non-Metallic (Office White)

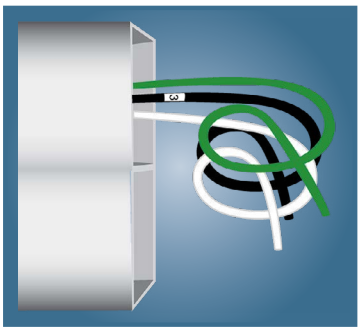




Quality by Design
All Hubbell Pre-Wired Raceways are UL Listed and CSA Certified. Each raceway receives a 100% quality inspection and testing prior to shipment. Pre-Wired Raceway is now available with the high quality and workmanship you have come to expect from Hubbell.



Labeling and Engraving
Optional labeling is available to identify branch panels and circuits at receptacle locations. Choose from adhesive labels or engraved aluminum plates.



Wire Identification
Wire leads are clearly labeled with corresponding circuit numbers. This aids the installer when terminating to building wiring or connecting from duct to duct. Ample wire is provided at feed locations.

UL LISTED CSA CERTIFIED

Pre-Wired Raceway Systems

Save Time and Money, Completing the Job Quicker and On Schedule, with Hubbell…

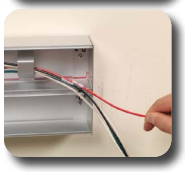
With Standard Raceway...



Unpack, identify and sort component parts.
Deliver components to work area for assembly and installation.



Measure and cut.
Clean and de-burr sharp edges.
Secure to the wall and fasten.



Pull wire.
Label and bundle each raceway circuit.
Install receptacles and test.

With Hubbell Pre-Wired Raceway...



Pallet delivered to your worksite, labeled by room, floor area and/or building.



Unpack and install!



Installed in half the time!





Project Support and Documentation

- ✓ A local and factory support team is there to assist in defining bills of material and project quotes, so costs can be budgeted accordingly.
- ✓ A project engineer, located at the factory, is assigned to your project as a direct point of contact.

Manufacturing and Testing

- ✓ Precisely measured, cleanly cut, wired and assembled to your specifications.
- ✓ The wiring harness is then bundled and labeled for circuit identification for ease of installation.
- ✓ Assembly is tested for assured continuity and 100% quality inspected before kitting.





Installs In A Snap

- ✓ Raceway ducts are kitted, labeled, and shipped by room, area or floor locations.
- ✓ Just remove raceway from the packaging and secure to the wall.
- ✓ Make power connections, snap on covers, test and you are done!



Options:



Circuit Identification and Labeling:

- ✓ Adhesive Labeling
- ✓ Engraving



Wiring Circuits Options:

- ✓ Insulation Displacement Connectors
- ✓ Wire Nuts
- ✓ Wiring Devices



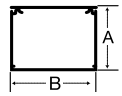
Kit raceway for delivery by:

- ✓ Room
- ✓ Floor
- ✓ Area
- ✓ Building

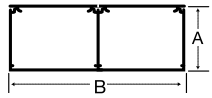
Features and Benefits

Aluminum Pre-Wired Raceway (LINKOSITY® devices may be utilized with this Raceway Series)

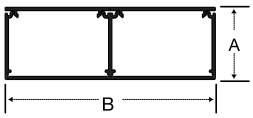
HBLALU3800 Series Aluminum Raceway

Description		Dimension
Aluminum Raceway, Single Channel, Satin Anodized Finish.		A: 2.25" (57.15) B: 3.00" (76.20)

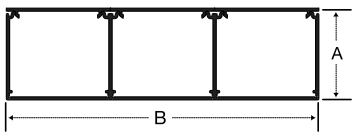
HBLALU4800 Series Aluminum Raceway

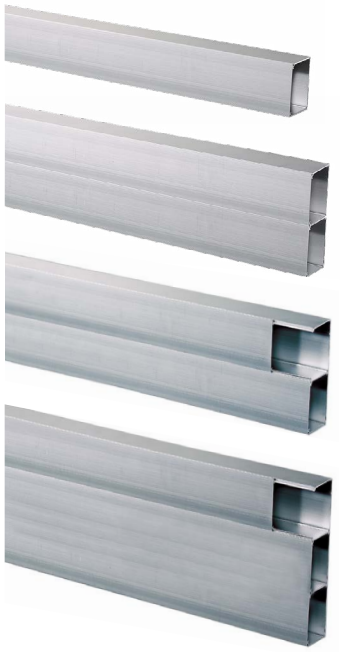
Description		
Aluminum Raceway, Two Channel, Satin Anodized Finish.		A: 2.25" (57.15) B: 6.00" (152.40)

HBLALU5000 Series Aluminum Raceway

Description		
Aluminum Raceway, Two Channel, Satin Anodized Finish.		A: 1.75" (44.45) B: 5.08" (129.03)

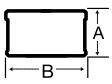
HBLALU7620 Series Aluminum Raceway

Description		
Aluminum Raceway, Three Channel, Satin Anodized Finish.		A: 2.25" (57.15) B: 7.62" (193.55)

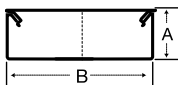


Steel Pre-Wired Raceway (LINKOSITY® devices may be utilized with this Raceway Series)

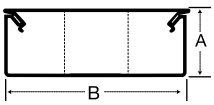
HBL3000 Series Metal Raceway

Description		
Steel Raceway, Single Channel, Ivory or Gray Finish.		A: 1.53" (38.86) B: 2.75" (69.85)

HBL4750 Series Metal Raceway

Description		
Steel Raceway, Single or Two Channel (with Divider), Ivory or Gray Finish.		A: 1.75" (44.45) B: 4.75" (120.65)

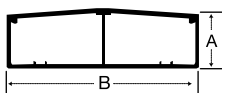
HBL6750 Series Metal Raceway

Description		
Steel Raceway, Single, Two Channel (with One Divider) or Three Channel (with Two Dividers), Ivory or Gray Finish.		A: 2.22" (56.39) B: 6.75" (171.45)

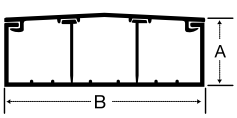


Non-Metallic Pre-Wired Raceway

PB2 BaseTrak® Series Non-Metallic Raceway

Description		
Non-Metallic Raceway, Two Channel, Office White Color.		A: 1.63" (41.40) B: 4.50" (114.30)

PS3 Super BaseTrak® Series Non-Metallic Raceway

Description		
Non-Metallic Raceway, Three Channel, Office White Color.		A: 1.97" (50.04) B: 6.70" (170.18)



Dimensions in Inches (mm)

Features and Benefits



UL Listed Modular Pre-Wired Raceway Systems Featuring the Flexibility of LINKOSITY® Connections

Hubbell Pre-Wired Metal Raceway with LINKOSITY® connections is a Hubbell innovation providing a flexible, modular UL Listed System that allows users to relocate furniture and equipment without the need to access the internal wiring of the raceway. The inherent flexibility of this system greatly reduces the cost of installation and future end-user costs associated with re-configuring space.

The Hubbell Metal Raceway/LINKOSITY combination can be provided as a factory assembled system or by having a licensed electrician purchase and field install the required LINKOSITY components into the metal raceway.

Features	Benefits
UL Listed, NEC Compliant assemblies	Complete code compliance minimizes design time, startup costs and building inspector acceptance.
Flexible, modular terminations	Simplifies moves, adds and changes. Reduces long term total cost of ownership.
Pre-configured, factory wired	Minimizes field wiring. Devices are custom configured to the application, tested and ready to install.
Cable rated TC-ER, MTW, STOOW	One cable suitable for use in all commercial applications
In-line 106 data/communications frame	Data/Communications may be field installed anywhere along the raceway eliminating large boxes.

LINKOSITY®

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
PH = Double Ended Cable with Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors **RF** = Female Receptacle* **RM** = Male Receptacle (Inlet)* ** ½ inch NPT rear thread*	**20** = 20A up to 600V	**02** **03** **04** **05**	**PA** = Green/Yellow Black (all others) **PB** = Green/Yellow White Black (all others) **PE** = All Blue*** ***other color codes available upon request.* ****Two wire only.*	**001** = 1' **005** = 5' **010** = 10' **015** = 15' **020** = 20' **025** = 25' **030** = 30' **035** = 35' **040** = 40' **045** = 45' **050** = 50'
	23 = 20A up to 600V Specialty construction (Includes isolated ground on 6 wire and 10AWG super neutral conductor on 5 and 6 wire devices)	**03** **04** **05** **06**		
	30 = 30A up to 600V	**04**		

Example: **PH** **23** **06** **PB** **005**



Cable Assemblies

The LINKOSITY® cable assemblies are code compliant with the NEC and NFPA 79, and suitable for use in virtually any environment as either a permanent or temporary installation.



Receptacles

The UL Listed LINKOSITY® male inlets or female receptacles provide the capability of interfacing directly with facility wiring by simply mounting into established fixed enclosures.



Closure Caps

Protects unused devices from the harmful effects of harsh environments.



Tees

Description	Catalog Number
LINKOSITY® M/F/F Tee, 20A, 2P	**TX2002002002T00**
LINKOSITY® M/F/F Tee, 20A, 3P	**TX2003002003T00**
LINKOSITY® M/F/F Tee, 20A, 4P	**TX2004002004T00**
LINKOSITY® M/F/F Tee, 20A, 5P	**TX2005002005T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 4P	**TX2304002304T00**
LINKOSITY® M/F/F Tee, 20A SNIG, 6P	**TX2306002306T00**
LINKOSITY® M/F/F Tee, 20A SNIG, A Phase Tap	**TX2306002304A00**
LINKOSITY® M/F/F Tee, 20A SNIG, B Phase Tap	**TX2306002304B00**
LINKOSITY® M/F/F Tee, 20A SNIG, C Phase Tap	**TX2306002304C00**
LINKOSITY® M/F/F Tee, 30A, 4P	**TX3004003004T00**

Specifications

Material	
Raceway	Steel, Anodized Aluminum
LINKOSITY Cables	UL 600V Type TC-ER, MTW, STOOW, polyurethatne overmolded terminations

Codes/Standards	
Raceway	UL5, surface metal raceway and fittings C22.2 no. 62, surface metal raceway and fittings TIA/EIA 569B, commercial building standard for telecom pathways and spaces
LINKOSITY	UL2238, UL50

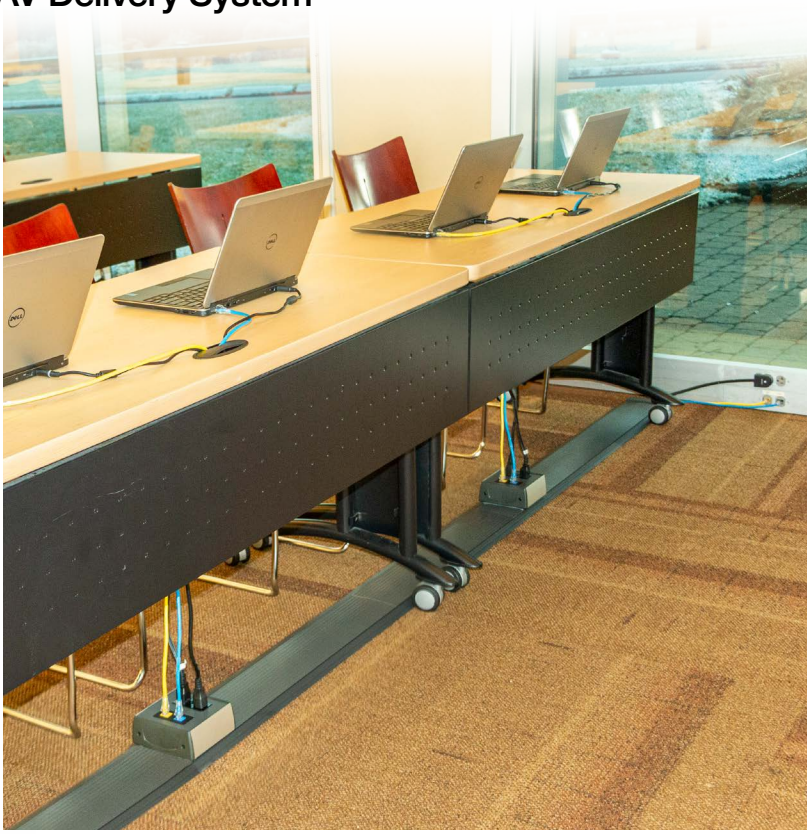
FloorTrak™ PRO System

Modular On-Floor Power, Data and AV Delivery System

- cULus Listed
  - All In One Kits assembled from cULus Listed items
- ADA Compliant
- Power and Data Separations
- Abrasion Resistant Edges

Safely route power and data over floor and in floor with a low profile system

- Wall to conference table
- Under furniture
- Wall feeds in low and high profiles
- Removable dividers and knockouts



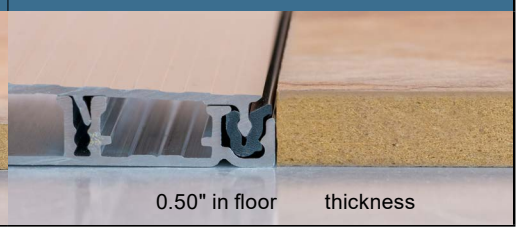


Dark Gray Finish

Aluminum Finish



Left channel:	0.29 in^2	Up to 8x #12 THHN conductors
Center channel:	0.67 in^2	Up to 9x 0.215 inch diameter conductors
Right channel:	0.29 in^2	Up to 8x #12 THHN conductors

Surface Mount	Variable Mount	Flush Mount
	 0.21" to 0.375" in floor thickness	 0.50" in floor thickness



FloorTrak™ PRO Track

Include:
- Precision cut extruded aluminum base and covers
- Surface and variable edges
- Splices included

	Description	Aluminum	Dark Gray
Track	6' Length, Base, Cover and Edges	**HBLFMR6A**	**HBLFMR6DG**
	3' Length, Base, Cover and Edges	**HBLFMR3A**	**HBLFMR3DG**
	1' Length, Base, Cover and Edges	**HBLFMR1A**	**HBLFMR1DG**
	1', 2' & 3' Lengths, Base, Cover and Edges	**HBLFMR123A**	**HBLFMR123DG**
Angles	45 Degrees	**HBLFMC45A**	**HBLFMC45DG**
	90 Degrees	**HBLFMC90A**	**HBLFMC90DG**
	T-Fitting	**HBLFMTA**	**HBLFMTDG**





	Description	Catalog Number
Accessories	Flush Mount Edges, 4 pieces, 3' each	**HBLFMRFE**
	Steel Splices, 6pk	**HBLFMSPL**

FloorTrak™ PRO Ends

Include:
- Cover with concealed hardware



	Description	Aluminum	Dark Gray
Wall Feed	Wall Feed, Low Profile	**HBLFMWLA**	**HBLFMWLDG**
	Wall Feed, High Profile	**HBLFMWHA**	**HBLFMWHDG**
	Wall Feed, from Raceway	**HBLFMWRA**	**HBLFMWRDG**

	Description	Catalog Number
Accessories	Track End Stop, Dark Gray	**HBLFMES**
	Track End with Cable Out, Dark Gray	**HBLFMEX**
	Transition Fitting for 4" Fire Rated Poke Thru, Dark Gray	**HBLFMWPF**
	Transition Fitting for PowerPole, Device Fitting included, Dark Gray	**HBLFMWPB**
	Transition Fitting for Conduit, Dark Gray	**HBLFMWCF**

All In One Kits

Prewired fitting and easy to configure kits with all components needed for a total solution that is ready to use.

Include:
- 1', 2', and 3' precision cut bases and covers
- Surface mount and variable mount edge
- Wired device fitting
- Splices for Trak



	Description	Aluminum	Dark Gray
Wired Device Box	2 Gang: 2X NEMA 5-15R Duplex, 9'10" Cord	**HBLFMPDD10A**	**HBLFMPDD10DG**
	2 Gang: 2X NEMA 5-15R Duplex, 15'6" Cord	**HBLFMPDD15A**	**HBLFMPDD15DG**
	2 Gang: 1X NEMA 5-15R Duplex, 1 w/ USB, 9'10" Cord	**HBLFMPUD10A**	**HBLFMPUD10DG**
	2 Gang: 1X NEMA 5-15R Duplex, 1 w/ USB, 15'6" Cord	**HBLFMPUD15A**	**HBLFMPUD15DG**



FloorTrak™ PRO Device Fittings

Include:
- Configurable device fitting for configuring with power and data

	Description	Catalog Number
Accessories	2-Gang Deco: 1 Power & 1 Data	**HBLFMD1P1D**
	2-Gang Deco: 2 Power	**HBLFMD2P**
	2-Gang Deco: 2 Data	**HBLFMD2D**
	3-Gang Deco: 2 Power & 1 Data	**HBLFMD2P1D**
	3-Gang Deco: 1 Power & 2 Data	**HBLFMD1P2D**
	2-Gang; 1 Deco, 1 KO (¾" + 1"): 1 Power & 1 Data	**HBLFMD1D1K**

SECTION T

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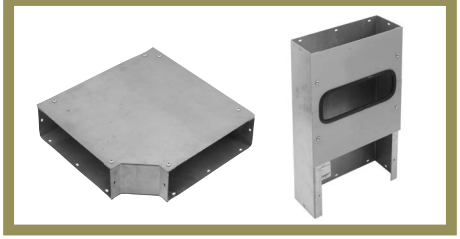
Hubbell Trench Duct Series



Hubbell Wall Duct Series



Hubbell Underfloor Duct Series



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Products at a Glance



Hubbell Trench Duct Series

The Hubbell Trench system is an in-floor wire management system that meets today's high capacity wiring needs that require multiple circuit separation. Trench duct is commonly used as a feeder system for medical wall duct when installing radiology equipment such as X-Ray and MRI machines.



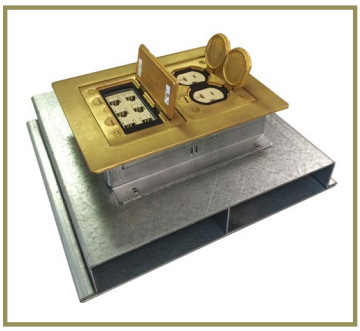
Hubbell Wall Duct Series

The Hubbell Wall Duct is available in either flush or surface mount and a combination will usually be required on any job. Vertical runs in the walls are usually flush mounted with horizontal runs on walls and all duct in ceiling plenum are typically surface type.



Hubbell Underfloor Duct Series

The Hubbell Underfloor Duct system is an in-slab wire management product for delivering power, voice and data services for applications that include retail facilities, open office workstations, fitness centers, casinos, medical facilities and libraries.



Underfloor Duct Raceway Activation Kits

- Available in brass and brushed aluminum to meet aesthetic requirements
- Available in one, two and three-gang options
- ScrubShield® Complies with UL514A scrub water requirements
- Flanged design may be used in tile, wood, carpet, terrazzo and bare concrete applications
- Uniform look when used in same areas where Hubbell floor boxes are installed

Features and Benefits

A high capacity trench system for in-floor wire management.

The Hubbell Trench System is a UL listed in-floor wire management system that meets today's high capacity wiring needs requiring multiple circuit separation. Trench duct is commonly used as a feeder system for medical wall duct when installing radiology equipment, such as X-Ray and MRI machines. Trench duct is also used as a stand alone system for commercial and retail applications where ease of access and high capacity are crucial.



Multiple compartments provide more capacity than conventional ducts.

The Hubbell Trench System provides more capacity than conventional conduits and ducts. It features a single, high-capacity duct with multi-compartments for easy placement of additional wiring.

Its open top design allows wiring to be laid in the duct instead of being pulled, eliminating the need for junction boxes.

Removable covers are ¼" thick and lock into the track of the trench. Internal dividers and/or support strips increase load capacity of heavy-duty covers. These removable covers allow free access to wiring and can be placed anywhere along the duct for easy wire exit relocation.

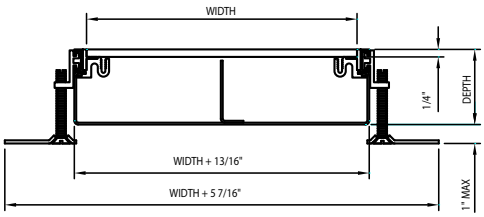
- High capacity design supports large wiring for single and multiple service requirements
- Open top design allows wire to be easily laid in duct
- Cover plates are removable and adjust horizontally to any point along the duct. Custom lengths of trench and fittings are available. Provided in either galvanized G90 steel or nonferrous aluminum.
- Multiple compartment options allows for multiple circuit and low voltage separation
- Innovative duct support assembly allows for pre-pour leveling
- Packaging and labeling by project floor and room is available











Trench Duct Range of Offering

Trench Product	Depth ½" Increments	Width	Compartments	Cover Plate
OKA = Trench **OKB** = Pull Box **OKC** = Exit Cover **OKE** = End Cap **OKL** = Horizontal L **OKR** = Vertical Riser **OKT** = T Junction Box **OKX** = X Junction Box	**A** = 2" **B** = 2½" **C** = 3" **D** = 3½" **E** = 4" **J** = 6" **N** = 8" (Other Depths Available)	**6** **9** **12** **18** **24** (Other Widths Avail.)	**1C** = 1 Compartment **2C** = 2 Compartment **3C** = 3 Compartment **4C** = 4 Compartment	**1/4** = ¼" thick

*Note: For Alumimum Trench Duct or Fittings, add **"AL"** suffix to catalog number.*

Hubbell Trench Duct Series and Fittings

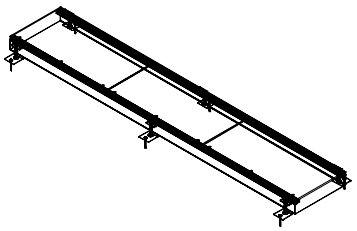
Ordering Information Notes:

1. Common use sizes are listed below. Contact factory for other configurations or see page 2 for Range of Offering table.

2. Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

Trench Duct

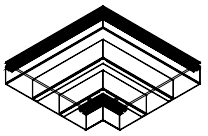
Description	Trench Depth	Cover Width	No. of Compartments	Catalog Number
Straight Section Manufactured in standard 6' lengths with factory installed dividers. Provided with (3) leveling feet/couplers on each side, (3) 24" long cover plates and (3) cover plate joint protectors.	2½"	9"	1	**OKA/B9-1C-1/4**
	3"	9"	2	**OKA/C9-2C-1/4**
	2½"	12"	2	**OKA/B12-2C-1/4**
	3"	12"	3	**OKA/C12-3C-1/4**
	2½"	18"	3	**OKA/B18-3C-1/4**
	3"	18"	4	**OKA/C18-4C-1/4**
	2½"	24"	3	**OKA/B24-3C-1/4**
	3"	24"	4	**OKA/C24-4C-1/4**

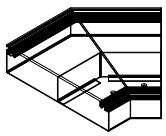


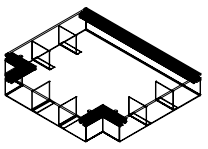
*Note: For Alumimum Trench Duct or Fittings, add **"AL"** suffix to catalog number.*

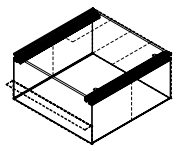
Fittings

Description	Outside Cover	No. of Compartments	Catalog Number
Horizontal "L" Fitting Manufactured with a single cover and matching internal partitions to form a 90° horizontal "L". Includes cover plate joint protectors and leveling feet.	12" x 12"	1	**OKL/B9-1C-1/4**
	12" x 12"	2	**OKL/C9-2C-1/4**
	15" x 15"	2	**OKL/B12-2C-1/4**
	15" x 15"	3	**OKL/C12-3C-1/4**
	21" x 21"	3	**OKL/B18-3C-1/4**
	21" x 21"	4	**OKL/C18-4C-1/4**
	27" x 27"	3	**OKL/B24-3C-1/4**
	27" x 27"	4	**OKL/C24-4C-1/4**
Horizontal 45° Elbow Fitting Manufactured with a split cover plate and matching internal partitions to form a 45° Mitered "L". Other angles available. Includes cover plate joint protectors and leveling feet.	45°	1	**OKL/B9-1Cx45-1/4**
	45°	2	**OKL/C9-2Cx45-1/4**
	45°	2	**OKL/B12-2Cx45-1/4**
	45°	3	**OKL/C12-3Cx45-1/4**
	45°	3	**OKL/B18-3Cx45-1/4**
	45°	4	**OKL/C18-4Cx45-1/4**
	45°	3	**OKL/B24-3Cx45-1/4**
	45°	4	**OKL/C24-4Cx45-1/4**
Single Level "T" Junction Fitting Manufactured with matching internal partitions and crossovers to isolate power and communications. Includes cover plate joint protectors and leveling feet.	15" x 12"	1	**OKT/B9-1C-1/4**
	15" x 12"	2	**OKT/C9-2C-1/4**
	18" x 15"	2	**OKT/B12-2C-1/4**
	18" x 15"	3	**OKT/C12-3C-1/4**
	24" x 21"	3	**OKT/B18-3C-1/4**
	24" x 21"	4	**OKT/C18-4C-1/4**
	30" x 27"	3	**OKT/B24-3C-1/4**
	30" x 27"	4	**OKT/C24-4C-1/4**
Pull Box Manufactured to attach to trench section replacing end cap. Divided into compartments as required. Additional depth permits attachment of large conduits. Box is field punched for conduits. Standard depth is 6." Also available as a stand-alone **SPOKB** solid-sided floor box with trench rails on all 4 sides. Consult factory for details	9" x 12"	1	**OKB/B9-1C-1/4**
	9" x 12"	2	**OKB/C9-2C-1/4**
	12" x 12"	2	**OKB/B12-2C-1/4**
	12" x 12"	3	**OKB/C12-3C-1/4**
	18" x 12"	3	**OKB/B18-3C-1/4**
	18" x 12"	4	**OKB/C18-4C-1/4**
	24" x 12"	3	**OKB/B24-3C-1/4**
	24" x 12"	4	**OKB/C24-4C-1/4**



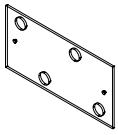


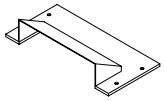




Exit Cover Fittings

Description	Trench Width	Catalog Number
Exit Cover Designed to provide exit and feed for Trench Duct. Conduit openings are provided for power and communication exit or feed using conventional conduit fittings or service fittings. Exit Cover may be placed anywhere along the length of the trench. All Exit Covers are 6" long. Hole sizes and placement are specified at time of order.	9"	**OKC/9-xx**
	12"	**OKC/12-xx**
	18"	**OKC/18-xx**
	24"	**OKC/24-xx**
Access Hood Similar to Exit Cover except provided with a louvered opening for communication cables. Consult factory for custom Access Hoods.	9"	**OKHOOD-9**
	12"	**OKHOOD-12**
	18"	**OKHOOD-18**
	24"	**OKHOOD-24**



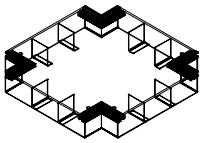


Hubbell Trench Duct Fittings

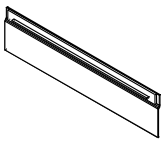
Ordering Information Notes:
1. Common use sizes are listed below. Contact factory for other configurations or see page 2 for Range of Offering table.
2. Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

Fittings

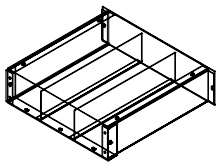
Description	Outside Cover	No. of Compartments	Catalog Number
Single Level "X" Junction Fitting Manufactured with matching internal partitions and crossovers to isolate power and communications. Includes cover plate joint protectors and leveling feet.	15" x 15"	1	**OKX/B9-1C-1/4**
	15" x 15"	2	**OKX/C9-2C-1/4**
	18" x 18"	2	**OKX/B12-2C-1/4**
	18" x 18"	3	**OKX/C12-3C-1/4**
	24" x 24"	3	**OKX/B18-3C-1/4**
	24" x 24"	4	**OKX/C18-4C-1/4**
	30" x 30"	3	**OKX/B24-3C-1/4**
	30" x 30"	4	**OKX/C24-4C-1/4**



Description	Fits Trench Dim. (Width x Depth)	Max Trade Size Conduit	Catalog Number
End Cap Fits over end of trench run to close trench and prevent foreign material from entering. End cap may be drilled to accept conduit.	9" x 2½"	¾"	**OKE/B9**
	9" x 3"	1"	**OKE/C9**
	12" x 2½"	¾"	**OKE/B12**
	12" x 3"	1"	**OKE/C12**
	18" x 2½"	¾"	**OKE/B18**
	18" x 3"	1"	**OKE/C18**
	24" x 2½"	¾"	**OKE/B24**
	24" x 3"	1"	**OKE/C24**

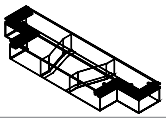


Description	Fits Trench Width	No. of Compartments	Catalog Number
Vertical Riser Fitting (Straight) Manufactured to transition from trench duct to a panel, pull box or to conduit. Mounts on trench in place of cover. Partitioned to separate cells and flanged to attach to a pull box or panel. Removable front cover and top cover. Standard height above finish floor —12". Standard depth —3½". Available in a sweep version (replace OKR with OKSWR)	9"	1	**OKR/D9-1C**
	9"	2	**OKR/D9-2C**
	12"	2	**OKR/D12-2C**
	12"	3	**OKR/D12-3C**
	18"	3	**OKR/D18-3C**
	18"	4	**OKR/D18-4C**
	24"	3	**OKR/D24-3C**
	24"	4	**OKR/D24-4C**

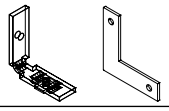


Additional Fittings

Description	Trench Width #1	Trench Width #2	Catalog Number
Reducer Fitting Manufactured to transition from a wide trench duct width to a narrower trench duct width.	9"	6"	**OKARED/B9-6-2C-1/4**
	12"	9"	**OKARED/B12-9-3C-1/4**
	18"	12"	**OKARED/B18-12-3C-1/4**
	24"	18"	**OKARED/B24-18-4C-1/4**



Fastening Angles Accessories to join trench sections for field fabrication of horizontal and vertical assemblies.	Horizontal Angle	—	**OK/VWI**
	Vertical Angle	—	**OK/VVW**

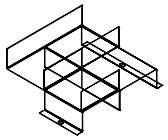


Trench Duct Accessories

Description	Accessory Type	Catalog Number
Permits 1" of pre-pour vertical adjustment and couples sections together. "x" represents screw height (max. 6") and height of trench. Additional vertical adjustment is available by increasing the length of screw "x".	Single Leveling Foot Assembly	**OK/F-x**
Provides a 1½" wide surface (with gasket) for cover plate joints. "x" represents trench width.	Single Cover Plate Joint Protector	**OK/DSD-x**
Separates trench duct compartments. "x" represents trench depth (see catalog number system).	Divider	**OKP/x**
Provided with 5/16 x 18 bolts on 6" or 12" centers for increased cover plate weight loading capability.	Support Stud Strip	**Consult Factory**

Tunnel Fittings

Description	Type	No. of Compartments	Catalog Number
Tunnels Factory installed inside of multi-compartment "T" and "X" units to maintain separation of services. May be ordered separately and field installed.	"T" Unit	2, 3, or 4	**Consult Factory**
	"X" Unit	2, 3, or 4	**Consult Factory**



Trench and Wall Duct Products

Features and Benefits

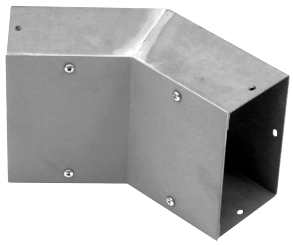
The Hubbell Wall Duct Series is a UL Listed metal raceway system designed for the enclosure of wiring for MRI or X-Ray equipment in medical applications. The system provides complete lay-in wiring capability in order to accommodate the large cables and connectors used in today's installations.

Hubbell Wall Duct is available in either flush or surface mount and a combination will usually be required on any job. Vertical runs in the walls are usually flush mounted with horizontal runs on walls and all duct in ceiling plenum are typically surface type.



Wall Duct is available in ferrous steel and non-ferrous aluminum versions.

- Lay in wiring accommodates large cables and connectors to connect equipment
- Corrosion resistant galvannealed A60 steel or non ferrous aluminum versions
- Steel Wall Duct is provided with unpainted bodies and gray primered cover plates. Custom painted wall duct is available
- Flush (primarily wall) and Surface (primarily ceiling) mount provides flexibility to address specific equipment placement and unique room design requirements
- Hubbell Wall Duct is utilized with Hubbell Trench Duct
- Packaging and labeling by project floor and room is available









Wall Duct Range of Offering

Wall Duct Product		Depth ½" Increments	Width	Cover Style
OWA = Wall Duct	**OWI** = Internal Elbow	**A** = 2"	**6**	**S** = Surface
OWB = Adapter	**OWL** = External Elbow	**B** = 2½"	**10**	**F** = Flush
OWC = Coupling	**OWP** = Partition	**C** = 3"	**12**	
OWD = Reducer Coupling	**OWR** = Vertical Riser	**D** = 3½"	**18**	
OWE = End Closure	**OWT** = T Unit	**E** = 4"	(Other Widths Available)	
OWF = Cabinet Connector	**OWV** = Trench to Wall Duct Adapter	**J** = 6"		
OWH = Horizontal Elbow	**OWX** = X Unit	**N** = 8" (Other Depths Available)		

*Note: For Alumimum Wall Duct or Fittings, add **"AL"** suffix to catalog number.*

Hubbell Wall Duct Series and Fittings

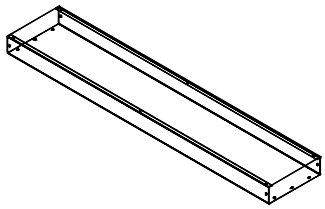
Ordering Information Notes:

1. Common use sizes are listed below.Contact factory for other configurations or see page 5 for Range of Offering table.

2. Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

Wall Duct

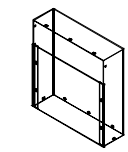
Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number
Wall and Ceiling Duct Manufactured in standard 60" lengths with two 30" long cover plates. Provided with one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWA/D10F** **OWA/D12F** **OWA/D18F**	10" 12" 18"	**OWA/D10S** **OWA/D12S** **OWA/D18S**

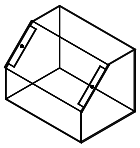


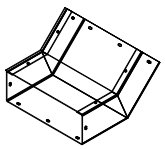
*Note: For Alumimum Wall Duct or Fittings, add **"AL"** suffix to catalog number.*

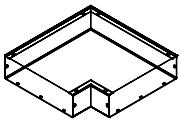
Elbow Fittings

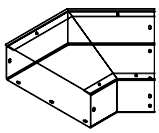
Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number
Internal Elbow Forms a sharp 90° Internal "L" Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWI/D10F** **OWI/D12F** **OWI/D18F**	10" 12" 18"	**OWI/D10S** **OWI/D12S** **OWI/D18S**
Internal Elbow, Sweep Forms a chamfered 90° Internal "L" for increased cable bend radius. Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWSWI/D10F** **OWSWI/D12F** **OWSWI/D18F**	10" 12" 18"	**OWSWI/D10S** **OWSWI/D12S** **OWSWI/D18S**
Internal 45° Elbow Forms a 45° Internal "L" Provided with one cover plate, one coupling and necessary screws. Also available as an External 45° elbow. Replace "OWI" with "OWL" in catalog number	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWI45/D10F** **OWI45/D12F** **OWI45/D18F**	10" 12" 18"	**OWI45/D10S** **OWI45/D12S** **OWI45/D18S**
Horizontal Elbow Forms a 90° Horizontal "L" Provided with one cover plate, one coupling and necessary screws. Corner divider "OWCP" ordered separately.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWH/D10F** **OWH/D12F** **OWH/D18F**	10" 12" 18"	**OWH/D10S** **OWH/D12S** **OWH/D18S**
Horizontal 45° Elbow Forms a 45° Horizontal "L" Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWH45/D10F** **OWH45/D12F** **OWH45/D18F**	10" 12" 18"	**OWH45/D10S** **OWH45/D12S** **OWH45/D18S**
External Elbow Forms a sharp 90° External "L" Provided with two cover plates, one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWL/D10F** **OWL/D12F** **OWL/D18F**	10" 12" 18"	**OWL/D10S** **OWL/D12S** **OWL/D18S**

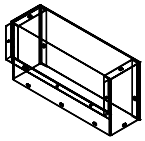












Note: Images shown are surface mount.

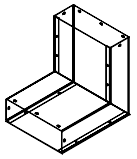
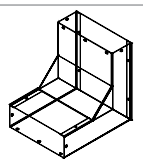
Hubbell Wall Duct Fittings

Ordering Information Notes:

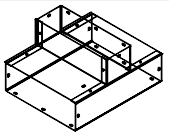
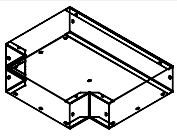
1. Common use sizes are listed below.Contact factory for other configurations or see page 5 for Range of Offering table.

2. Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

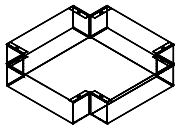
Internal / External Elbows

Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Internal / External Elbow Transitions from surface wall duct to surface style ceiling duct. Flush wall duct to surface style ceiling duct available upon request. Provided with two cover plates, one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	— — —	— — —	10" 12" 18"	**SPOWI/D10S** **SPOWI/D12S** **SPOWI/D18S**	
Internal / External Elbow, Sweep Transitions from surface wall duct to surface style ceiling duct. Flush wall duct to surface style ceiling duct available upon request. Provided with two cover plates, one coupling and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	— — —	— — —	10" 12" 18"	**SPOWSWI/D10S** **SPOWSWI/D12S** **SPOWSWI/D18S**	

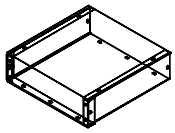
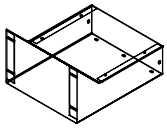
"T" Units

Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Vertical "T" Unit Forms a 90° Vertical "T". Provided with three cover plates, two couplings and necessary screws.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWVT/D10F** **OWVT/D12F** **OWVT/D18F**	10" 12" 18"	**OWVT/D10S** **OWVT/D12S** **OWVT/D18S**	
Horizontal "T" Unit Forms a 90° Horizontal "T". Provided with one cover plate, one coupling and necessary screws. Tunnels are ordered separately.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWT/D10F** **OWT/D12F** **OWT/D18F**	10" 12" 18"	**OWT/D10S** **OWT/D12S** **OWT/D18S**	

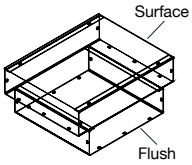
"X" Unit

Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
"X" Unit Forms intersection of four perpendicular ducts. Provided with one cover plate, two coupling and necessary screws. Tunnels are ordered separately.	3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16"	12" 14" 20"	**OWX/D10F** **OWX/D12F** **OWX/D18F**	10" 12" 18"	**OWX/D10S** **OWX/D12S** **OWX/D18S**	

Vertical Riser Fittings

Description	For Trench Width	For Wall Duct (Width x Depth)	Flush Catalog Number	Surface Catalog Number	
Vertical Riser Fitting, Straight Transitions from trench duct to a vertical run of wall duct. Mounts on trench in place of cover. Removable front cover. Standard height above finish floor —12" (7" for OWR/D12x10). Standard depth — 3½". Provided with one coupling and necessary screws.	10" 12" 18" 12"	10" x 3½" 12" x 3½" 18" x 3½" 10" x 3½"	**OWR/D10F** **OWR/D12F** **OWR/D18F** **OWR/D12-10F**	**OWR/D10S** **OWR/D12S** **OWR/D18S** **OWR/D12-10S**	
Vertical Riser Fitting, Sweep Transitions from trench duct to a vertical run of wall duct. Mounts on trench in place of cover. Removable front cover. Standard height above finish floor —12". Standard depth —3½". Provided with one coupling and necessary screws.	10" 12" 18" 12"	10" x 3½" 12" x 3½" 18" x 3½" 10" x 3½"	**OWSWR/D10F** **OWSWR/D12F** **OWSWR/D18F** **OWSWR/D12-10F**	**OWSWR/D10S** **OWSWR/D12S** **OWSWR/D18S** **OWSWR/D12-10S**	

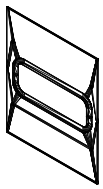
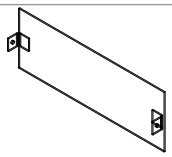
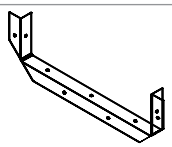
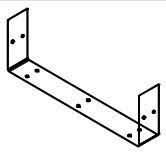
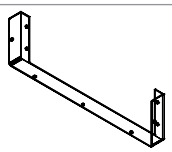
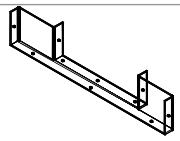
Adapter Fitting

Description	Overall Depth	Flush Wall Duct Body Width	Surface Cover Width	Catalog Number	
Flush to Surface Adapter Transitions from flush wall duct to perpendicular surface wall duct. Provided with one cover plate, two couplings and necessary screws.	3½" 3½" 3½" 3½"	9 13/16" 11 13/16" 17 13/16" 17 13/16"	10" 18" 12" 18"	**OWB/D10-10** **OWB/D12-18** **OWB/D18-12** **OWB/D18-18**	

Hubbell Wall Duct Fittings

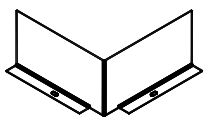
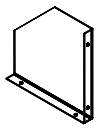
Ordering Information Notes:
1. Common use sizes are listed below.Contact factory for other configurations or see page 5 for Range of Offering table.
2. Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

Additional Fittings

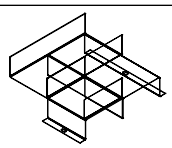
Description	Overall Depth	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Split Cover Plate Provides wire egress from raceway. Provided with assembly screws and grommet material.	— — —	12" 14" 20"	**OWSC/10F** **OWSC/12F** **OWSC/18F**	10" 12" 18"	**OWSC/10S** **OWSC/12S** **OWSC/18S**	
End Cap Closes off end of wall duct. Screws provided.	3½" 3½" 3½"	12" 14" 20"	**OWE/D10F** **OWE/D12F** **OWE/D18F**	10" 12" 18"	**OWE/D10S** **OWE/D12S** **OWE/D18S**	
Cabinet Connector Connects wall duct to enclosures. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3½" 3½" 3½"	12" 14" 20"	**OWF/D10** **OWF/D12** **OWF/D18**	10" 12" 18"	**OWF/D10** **OWF/D12** **OWF/D18**	
Coupling Joins surface or flush wall duct sections together. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3½" 3½" 3½"	12" 14" 20"	**OWC/D10** **OWC/D12** **OWC/D18**	10" 12" 18"	**OWC/D10** **OWC/D12** **OWC/D18**	
Trench to Wall Duct Adapter Transitions from trench duct to a vertical run of wall duct when not using the OWR or OKR series Vertical Risers. Mounts on trench in place of cover. Provided with necessary screws.	3½" 3½" 3½"	12" 14" 20"	**OWV/D10** **OWV/D12** **OWV/D18**	10" 12" 18"	**OWV/D10** **OWV/D12** **OWV/D18**	
Reducer Coupling Joins two sizes of surface or flush wall duct sections together. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3½" 3½"	20" to 12" 20" to 14"	**OWD/D (18-10)** **OWD/D (18-12)**	18" to 10" 18" to 12"	**OWD/D (18-10)** **OWD/D (18-12)**	

Note: Grommet material is available to cover field cut openings in Wall Duct. Outside dimensions of grommet is ¼" x 5/16" and is made from SBR rubber. Catalog number GROM-xx ("xx" represents length in feet).

Partitions Fittings

Description	For Overall Raceway Depth	For Fitting Style		
		Straight (Length 60")	Horizontal "L"	Internal Sweep Elbow
Internal Duct Partitions Divides raceway and fittings into compartments. Screws provided.	3½"	**OWP/D** 	**OWCP/D** 	**OWSWP/D** 

Tunnel Fittings

Description	Type	No. of Compartments	Catalog Number	
Tunnels Field installed inside of multi-compartment "T" and "X" units to maintain separation of services. May be factory installed.	"T" Unit "X" Unit	2, 3, or 4 2, 3, or 4	**Consult Factory** **Consult Factory**	

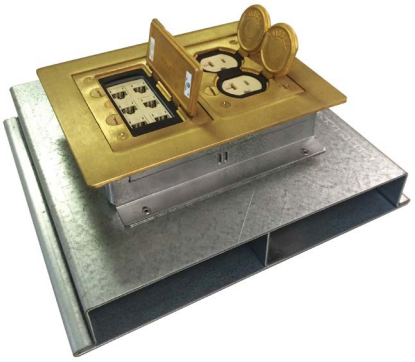
Features and Benefits

Multi-Compartment Underfloor Duct Saves Time and Money for In-Slab Wire Management System

The Hubbell Underfloor Duct system is a UL listed in-slab wire management product for delivering power, voice and data services to applications that include retail facilities, open office workstations, fitness centers, casinos, medical facilities and libraries. This system is uniquely designed with multiple compartments, allowing unlimited design options and cost savings in labor and materials from other single-compartment systems. Matched with our strong national distribution and complete technical and application support, the Hubbell Underfloor Duct System is the perfect solution for your underfloor wire management needs.



- Eight duct profiles available to accommodate numerous in-slab wire management for power and communications.
- One-piece design multi-compartment duct, drastically reducing installation and material costs.
- Standard insert heights ranging from 1 to 3 inches (other heights available).
- Inclusive tile trim in square-top junction boxes, providing the installer the on-site option of using the trim or leaving it recessed.
- Combination duct coupler/support, reducing material and labor costs using the same part to join raceway sections together and to support/level the duct.
- Activation inserts are pre-assembled to the duct, or the inserts can be purchased separately for field installation only where you need them.
- Heavy duty junction boxes are available for areas requiring high-concentrated floor loads.
- Meets or exceeds UL 884 specifications, assuring a fully UL Listed system.



Flush Insert Duct Benefits

- Provides an aesthetic wire management solution for delivering power and communications services.
- Unique multi-gang flush inserts with removable voltage dividers provide the flexibility of installing multiple gangs of the same service at each insert location.
- Individual gangs can be activated as needed, to minimize costs.
- Activation trims accept standard Hubbell floor box covers for power and data, available in aluminum and brass.





Conventional, Flush and Blank Underfloor Duct Profiles

Ordering Information Note:
Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers.
Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

- Provided in standard 10 ft. lengths
- 14 gauge, G90 galvanized steel
- 2 Inch IPS (Iron Pipe Size) round inserts are die-cast zinc
- Rectangular inserts are 14 gauge, G90 galvanized steel

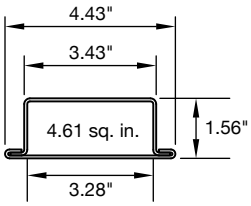
Catalog Number System

	SP202F -	2 -	12	
	Profile	**Insert Height**	**Insert Spacing**	
Round Insert Duct and Blank Duct	**201** **201W** **202** **SP202** **202W** **203** **204**	**B** = Blank **1** = 1" (201 only) **15** = 1 ½" **2** = 2" **25** = 2 ½" **3** = 3"*	**12** = 12" **24** = 24" (consult factory for special preset spacing) n/a for Blank Duct	
Flush Insert Duct	**201F** **201WF** **202F** **SP202F** **202WF** **203F**	**1** = 1" (201F only) **15** = 1 ½"** **2** = 2" **25** = 2 ½" **3** = 3"*	**12** = 12" **24** = 24" (consult factory for special preset spacing)	

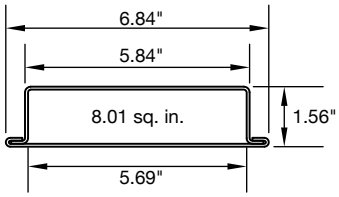
*Note: *Consult factory for heights greater than 3". ** 1 ½" min. required for duplex receptacles.*

Dimensions

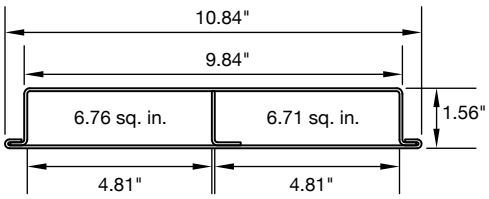
201 & 201F



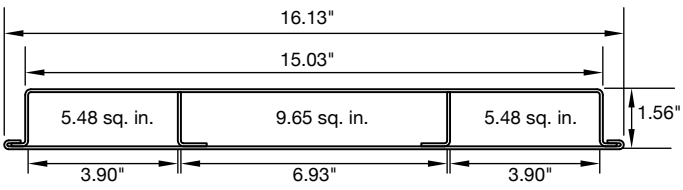
201W & 201WF



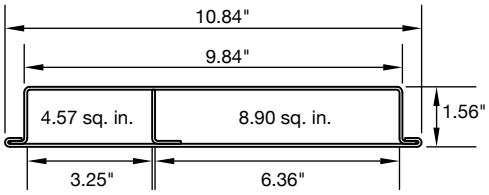
202 & 202F



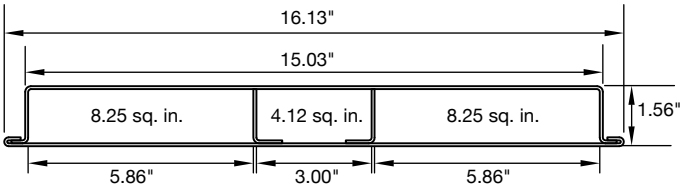
203



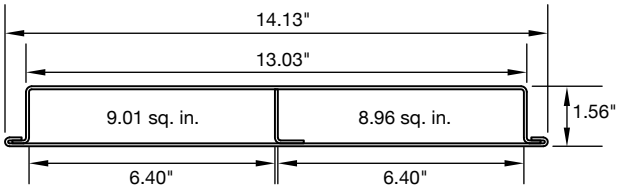
SP202 & SP202F



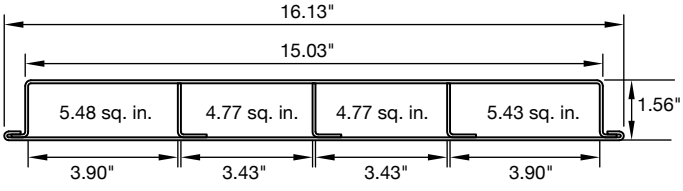
203F



202W & 202WF



204

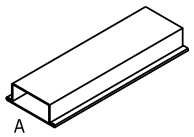


Technical Information and Wire Fill Capacity Chart

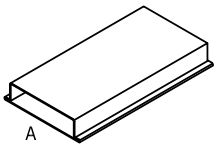
Ordering Information Note:
Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers.
Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

			Duct Profile	201 201F	201W 201WF	202 202F		SP202 SP202F		202W 202WF		203			203F			204			
			Channel Cross Sectional Area (sq. in.)	4.61	8.01	6.76	6.71	4.57	8.9	9.01	8.96	5.48	9.65	5.48	8.25	4.12	8.25	5.48	4.77	4.77	5.43
			Channel	A	A	A	B	A	B	A	B	A	B	C	A	B	C	A	B	C	D
Cable Type	**Size**	**Approx. Dia. (in.)**	**Approx. Area (sq in.)**																		
Power (THHN)	14 AWG	0.111	0.0097	190	331	279	277	188	367	372	370	226	398	226	341	170	341	226	197	197	224
	12 AWG	0.130	0.0133	138	241	203	202	137	268	271	270	165	290	165	248	124	248	165	143	143	163
	10 AWG	0.164	0.0211	87	151	128	127	86	168	170	169	103	182	103	156	78	156	103	90	90	102
	8 AWG	0.216	0.0366	50	87	73	73	49	97	98	97	59	105	59	90	44	90	59	52	52	59
Coax Cables	RG-6/U	0.270	0.0573	32	55	47	46	31	62	62	62	38	67	38	57	28	57	38	33	33	37
	RG-6/UQ	0.298	0.0697	26	45	38	38	26	51	51	51	31	55	31	47	23	47	31	27	27	31
LAN Cables	Cat 5e	0.210	0.0346	53	92	78	77	52	102	104	103	63	111	63	95	47	95	63	55	55	62
	Cat 6	0.250	0.0491	37	65	55	54	37	72	73	73	44	78	44	67	33	67	44	38	38	44
	Cat 6A	0.350	0.0962	19	33	28	27	18	37	37	37	22	40	22	34	17	34	22	19	19	22
Fiber Optic Distribution Cables	2-6 Strand	0.190	0.0284	65	113	95	94	64	125	127	126	77	136	77	116	58	116	77	67	67	76
	8-12 Strand	0.230	0.0415	44	77	65	64	43	85	86	86	52	92	52	79	39	79	52	45	45	52
	16-24 Strand	0.350	0.0962	19	33	28	27	18	37	37	37	22	40	22	34	17	34	22	19	19	22

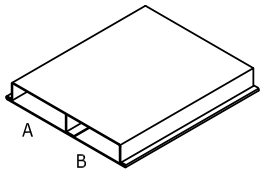
Note: Cable quantities shown in this chart are based on a 40% wire fill capacity. Sizes of COAX, LAN and Fiber Optic cables are provided for example only. Consult cable manufacturer's specification for exact cable sizes.



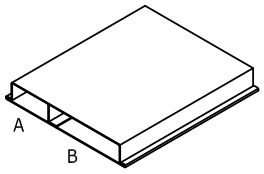
201 and 201F Series
Single Compartment



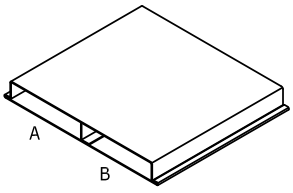
201W and 201WF Series
Single Wide Compartment



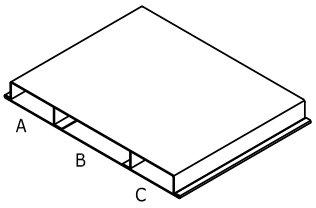
202 and 202F Series
Two Equal Compartments



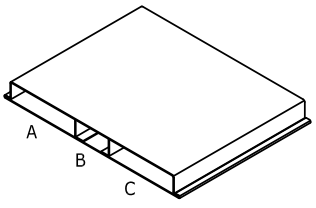
SP202 and SP202F Series
Modified Two Compartments



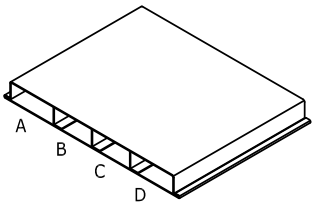
202W and 202WF Series
Two Equal Compartments



203 Series
Three Compartments



203F Series
Three Compartments



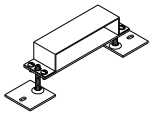
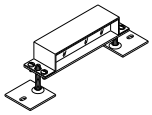
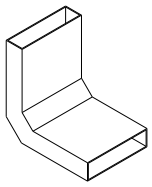
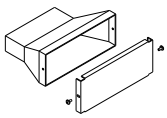
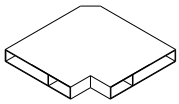
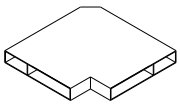
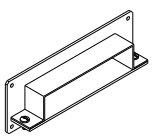
204 Series
Four Compartments

Applicable Codes & Standards

- TIA/EIA 569-C "Commercial Building Standard for Telecommunications Pathways and Spaces"
- NEC Article 390 "Underfloor Raceways"
- Ampacity derating rules of NEC Article 310.15 (B)(3) applies to conductors installed in Underfloor Raceways and Trench Duct
- UL Standard UL 884 "Underfloor Raceways and Fittings"
- UL Listed E75939 (Underfloor Raceway) & E304554 (Underfloor raceway Fittings)

Underfloor Duct Raceway Fittings

Ordering Information Note:
Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers.
Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

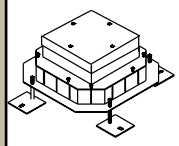
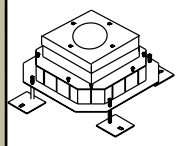
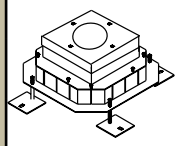
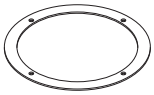
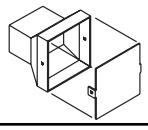
			Flush Insert Duct						Conventional Duct						
			201F	201WF	202F	SP202F	202WF	203F	201	201W	202	SP202	202W	203	204
Coupler Support		Couples duct sections together and supports the duct. To be used every 5 feet of duct run.	**201-DCS**	●						●						
			201W-DCS		●						●					
			202-DCS			●	●					●	●			
			202W-DCS					●						●		
			203-DCS						●						●	●
End Cap Support		Supports and closes unused duct ends.	**201-ECS**	●						●						
			201W-ECS		●						●					
			202-ECS			●	●					●	●			
			202W-ECS					●						●		
			203-ECS						●						●	●
Vertical Riser		Transitions from duct embedded in concrete floor to vertical duct or may be used for direct connection to a Universal Conduit Adapter (UCA). Coupler / Supports (DCS) are required to attach to duct and UCA.	**201-VEL**	●						●						
			201W-VEL		●						●					
			202-VEL			●						●				
			SP202-VEL				●						●			
			202W-VEL					●						●		
			203-VEL						●						●	
			203F-VEL						●							
			204-VEL													●
Universal Conduit Adapter		Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2 ½" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes)	**201-UCA**	●						●						
			201W-UCA		●						●					
			202-UCA			●						●				
			SP202-UCA				●						●			
			202W-UCA					●						●		
			203-UCA						●						●	
			203F-UCA						●							
			204-UCA													●
Horizontal 90 Degree Elbow	 SP202–HB90–NIR  SP202–HB90–NOR	Provides a horizontal 90 degree turn in floor duct. No hand access provided. Consult factory for other angles. SP202-HB90's must be specified either with the Narrow Compartment located at the inside radius (-NIR) or at the outside radius (-NOR) as shown in illustration.	**201-HB90**	●						●						
			201W-HB90		●						●					
			202-HB90			●						●				
			SP202-HB90-NIR				●						●			
			SP202-HB90-NOR				●						●			
			202W-HB90					●						●		
			203-HB90						●						●	
			203F-HB90						●							
			204-HB90													●
Cabinet Connector		Provides a means for connecting duct to an electrical cabinet	**201-DCC**	●						●						
			201W-DCC		●						●					
			202-DCC			●	●					●	●			
			202W-DCC					●						●		
			203-DCC						●						●	●

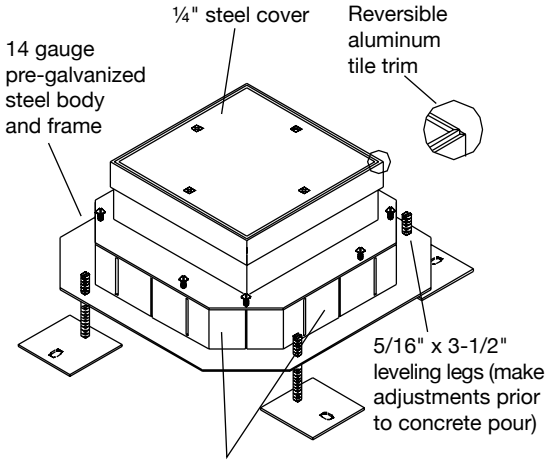
Underfloor Duct Raceway Junction Boxes and Accessories

Ordering Information Note:
Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

x = Preset Insert Height
1 = 1" *(201 & 201F only)*
15 = 1 ½" *(min. required for duplex recept.)*
2 = 2"
25 = 2 ½"
3 = 3" *(consult factory for heights greater than 3")*

Underfloor Duct Raceway Junction Boxes and Accessories

			Flush Insert Duct						Conventional Duct						
			201F	201WF	202F	SP202F	202WF	203F	201	201W	202	SP202	202W	203	204
Junction Box Square Access		For providing square opening access at intersections of Feeder Duct and Distribution Duct	**201-JB-x**	●						●						
			201W-JB-x		●						●					
			202-JB-x			●						●				
			SP202-JB-x				●						●			
			202W-JB-x					●						●		
			203-JB-x						●						●	
			203F-JB-x						●							
			204-JB-x													●
Junction Box Round Access		For providing round opening access at intersections of Feeder Duct and Distribution Duct. Provided with Brass or Stainless Steel Carpet Ring *Available in Stainless Steel. To order replace B with SS	**201-JB-x-RCB***	●						●						
			201W-JB-x-RCB*		●						●					
			202-JB-x-RCB*			●						●				
			SP202-JB-x-RCB*				●						●			
			202W-JB-x-RCB*					●						●		
			203-JB-x-RCB*						●						●	
			203F-JB-x-RCB*						●							
			204-JB-x-RCB*													●
Junction Box Heavy Duty Round Access		Same as above except cover plates are ⅜" thick and after-pour height adjustable. Carpet Rings and Closure Caps must be ordered separately. Duct Entrance Cap - **HDJBDC** Corner Cap - **HDJBCC**	**202-JB-x-HD-ADJ**			●						●				
			SP202-JB-x-HD-ADJ				●						●			
			202W-JB-x-HD-ADJ					●						●		
Carpet Ring for Heavy Duty Junction Boxes		⅛" thick Carpet Trim for Heavy Duty Junction Boxes. *Available in Stainless Steel. To order replace BRASS with SS	**RD-BRASS*-202-ADJ**			●						●				
			RD-BRASS*-SP202-ADJ				●						●			
			RD-BRASS*-202W-ADJ					●						●		
Junction Box Corner Conduit Adapter		Provides attachment point for conduit to each corner of all junction boxes. JB-CCA is provided with 14 gauge steel plate for field punched conduit opening. All other adapters are factory punched.	**JB-CCA**												
			JB-CCA-1/2												
			JB-CCA-3/4												
			JB-CCA-1												
			JB-CCA-1-1/2												
			JB-CCA-2												



Removable pry-out sections for corner conduit adapters (JB-CCA series) and duct entrances. Additional blanking plates not required for unused junction box entrances. Blanking plates must be ordered separately for heavy duty junction boxes.

Hubbell Trench Duct is commonly used as a feeder system for Underfloor Duct Raceway systems.

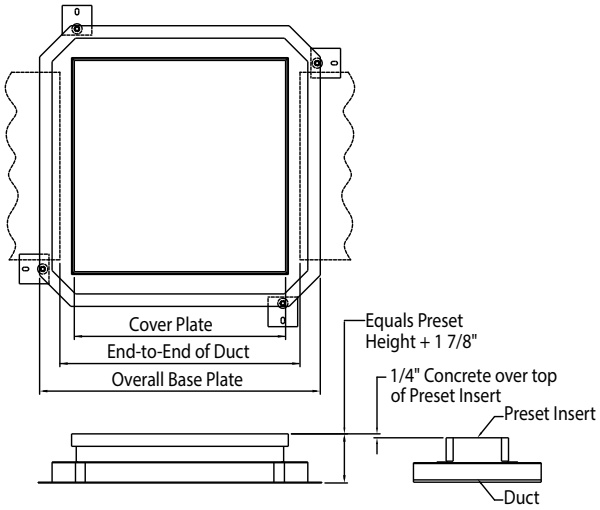


Factory assembled Trench/Underfloor duct intersect units allow unrestricted capacity by the elimination of tunnels. Side mounted Underfloor duct is available for shallow concrete pours. Consult factory for details.

- High capacity design supports large cables for single and multiple service requirements.
- Open top design allows cables to be easily laid in duct.
- Cover plates are removable and adjust horizontally to any point along the duct.
- Custom lengths of trench and fittings are available.
- Multiple compartments allow complete separation of services.
- Innovative duct support assembly allows for pre-pour leveling and acts as a splice for duct sections.

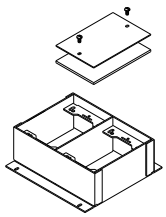
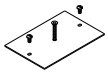
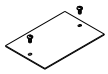
Underfloor Duct Junction Box Dimensions

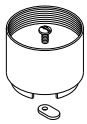
Ordering Information Note:
Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.



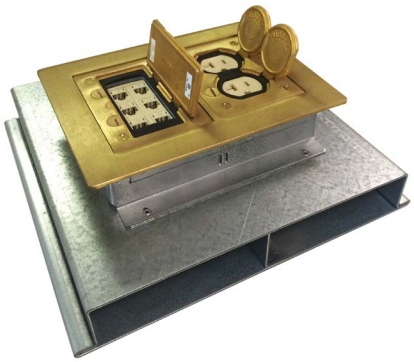
Junction Box Catalog Number	Cover Plate	End-To-End Of Duct	Overall Base Plate
201-JB-x **201-JB-x-RCx**	6 5/16"	8"	10 ½"
201W-JB-x **201W-JB-x-RCx**	12 9/16"	14 ½"	17 13/16"
202-JB-x **202-JB-x-RCx**			
SP202-JB-x **SP202-JB-x-RCx**			
202W-JB-x **202W-JB-x-RCx**	17"	19 5/8"	22 11/16"
203-JB-x **203-JB-x-RCx**			
203F-JB-x **203F-JB-x-RCx**			
204-JB-x **204-JB-x-RCx**			
202-JB-x-HD-ADJ **SP202-JB-x-HD-ADJ**	14"	15 1/8"	18 ½"
202W-JB-x-HD-ADJ	17"	18 1/8"	21 ½"

Underfloor Duct Raceway Aftersets and Marker Caps

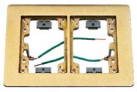
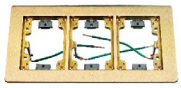
	Flush Insert Duct			Description	Catalog Number
Afterset Insert		Provides means to add activation inserts in the field where needed prior to concrete pour. 14 gauge steel.	1-Gang	1 1/2" Insert Height	**DAIFA-1G-15**
				2" Insert Height	**DAIFA-1G-2**
				3" Insert Height	**DAIFA-1G-3**
			2-Gang	1 1/2" Insert Height	**DAIFA-2G-15**
				2" Insert Height	**DAIFA-2G-2**
				3" Insert Height	**DAIFA-2G-3**
			3-Gang	1 1/2" Insert Height	**DAIFA-3G-15**
				2" Insert Height	**DAIFA-3G-2**
				3" Insert Height	**DAIFA-3G-3**
Marker Cap		Marker caps are used in place of standard insert caps in (a) each insert adjacent to junction box, (b) inserts on each side of a permanent wall, and (c) the last insert in each run of duct.		Insert Marker Cap:	
				Zinc Screw	**FA-DMC-Z**
				Brass Screw	**FA-DMC-B**
Compart-ment Cover		Used for abandoning preset opening (one per gang). 18 gauge steel. Customer is required to fill void over top of plate with concrete.		Blank Cover	**FA-MC**

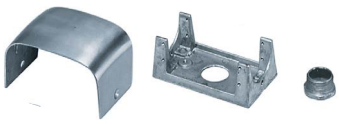
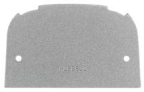
	Round Insert Duct		Description	Catalog Number
Afterset Insert		Provides means to add activation inserts in the field where needed prior to or after concrete pour. Zinc die cast.	1 " Insert Height	**DAI-1**
			2 " Insert Height	**DAI-2**
			3 " Insert Height	**DAI-3**
			4 " Insert Height	**DAI-4**
Marker Cap		Marker caps are used in place of standard insert caps in (a) each insert adjacent to junction box, (b) inserts on each side of a permanent wall, and (c) the last insert in each run of duct.	Insert Marker Cap:	
			Zinc Screw	**DMC-Z**
			Brass Screw	**DMC-B**
Reducing Bushing		Reduces threaded 2" IPS insert opening to either ¾" NPT or 1" NPT threaded opening for attachment of conduit fitting or pedestal fitting chase nipple.	2" to 3/4"	**RB-162**
			2" to 1"	**RB-163**

Underfloor Duct Raceway Activation Kits



- Available in brass and brushed aluminum to meet aesthetic requirements
- Available in one, two and three-gang options
- ScrubShield® Complies with UL514A scrub water requirements
- Flanged design may be used in tile, wood, carpet, terrazzo and bare concrete applications
- Uniform look when used in same areas where Hubbell floor boxes are installed
- Blank Closure Plates are available to close off insert opening when abandoning Activation Kits. Plates are available in single, double and triple-gang configurations in brass, aluminum and stainless steel. Consult factory for additional information.

	Flush Insert Underfloor Duct	Finish	1-Gang 6" x 4.85"	2-Gang 6" x 8.13"	3-Gang 6" x 11.34"	
Flanges	Flanges are provided with adapter plates and accessories required for installing to rectangular Underfloor Duct preset inserts and aftersets.	Brass	**SB3083W-UFD**	**SB3084W-UFD**	**SB3085W-UFD**	
		Aluminum	**SA3083W-UFD**	**SA3084W-UFD**	**SA3085W-UFD**	
						
Covers	All Covers 4.15" x 2.99"		Duplex Flap	Duplex Screw	Style Line Decorator Opening	Combination 2⅛" x ¾"
		Brass	**S3825**	**S3625**	**S3826**	**S2425**
		Aluminum	**SA3825**	**SA3625**	**SA3826**	**SA2425**
						
			Combination 2⅛" x 1"	2⅛" Single Receptacle	2⅜" Single Receptacle	Blank
		Brass	**S2625**	**S2825**	**S3425**	**S3813**
		Aluminum	**SA2625**	**—**	**—**	**SA3813**
						

	Round Insert Underfloor Duct							
Housing	Die-cast aluminum frame, brushed aluminum housing, chase nipple, without plates	1" Chase Nipple	**SC3099A**					
		¾" Chase Nipple	**SC3098A**					
Plates		Duplex Receptacle	Single Receptacle 1.39" (35.3 mm) opening	Style Line Decorator	Blank	Telephone bushing 1 in. I.D. and (2) ⅜" KO for coax	Furniture Feed aluminum plate with ¾" trade size KO	Furniture Feed aluminum plate, blank
		SS309D	**SS309S**	**SS309DS**	**SS309B**	**SS309T**	**SS309SF**	**SS309BF**
								

SECTION U

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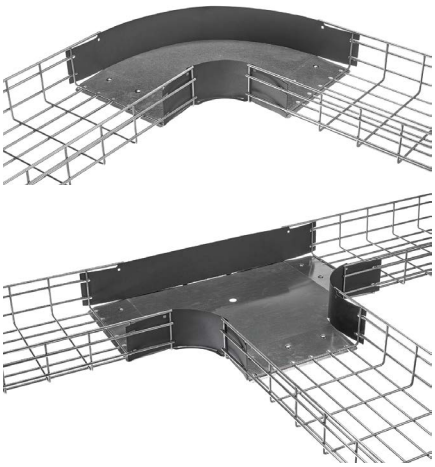




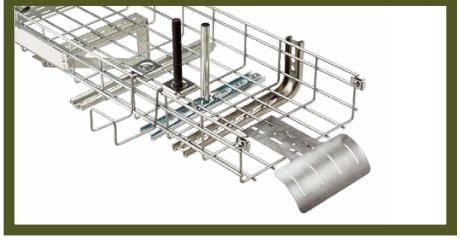
Round and Flat Style Wire Basket Tray



Accessories



Create a Bill of Material



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Wire Basket Tray System

Innovative, Flexible, Field-Configurable Wire Basket Solutions

Support Broad Range of Applications

Hubbell Wiring Systems offers a comprehensive Wire Basket Tray System to handle every application. From pre-galvanized solutions for commercial controlled interior environments to stainless steel versions for industrial applications such as food processing, marine and highly corrosive environments. Hubbell also features labor savings options including No-Splice supports which also reduce material cost and preformed fittings which offer tremendous productivity enhancement to the installer by eliminating field cuts that are required when fittings are configured in the field. Hubbell also offers painted trays in virtually any color needed. The painted tray is masked to reduce on-site paint removal saving time and money. Hubbell Wire Basket Tray Systems are available in overhead and raised floor designs. Complete shipments, job site location palletization and markings, and product customization make Hubbell the choice for every wire basket tray installation.



Customer Support and Technical Assistance

Hubbell's knowledgeable sales team is just a call away for assistance in selecting the proper type basket tray for any application or providing design assistance including developing a bill of material.

Pre-Galvanized Finish is Environmentally Friendly

The standard finish for Hubbell Basket Tray is pre-galvanized which is a significantly more environmentally friendly manufacturing process as compared to galvanizing dip. Pre-galvanizing applies a zinc galvanization to the wire PRIOR to fabrication. The galvanized wire(s) then welded and formed into the appropriate basket tray size. Hubbell's pre-galvanized finish performs the same as post-zinc plated production finish while avoiding secondary chemical processing.

Sustainable Approach

Hubbell utilizes a sustainable approach to assist in maintaining the environment. Our wire basket tray systems utilize 100% recycled steel content in the manufacturing of our tray, and are packaged in kraft unbleached packaging. Packaging and strapping materials are recyclable. MillCerts are available upon request to assist in documenting recycled content for possible LEED credits.



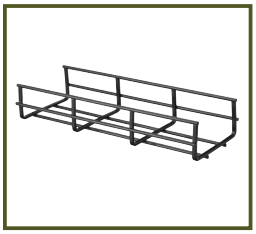
Pre-Galvanized

- Wire is galvanized prior to fabrication
- Applications
  - Commercial
  - Controlled Interiors
- Specification, ASTM A641



Stainless Steel ✦

- Type 304L and 316S
- Applications
  - Industrial
  - Marine
  - Food Processing
  - Outdoor
- Specification, ASTM A580



Painted Finishes

- Powder coat; Black is available as standard, other colors available as special order
- Applications
  - Data Center
  - Controlled Interiors
- Specification, N/A



Electroplated Zinc ✦

- Tray is galvanized after fabrication
- Applications
  - Commercial
  - Controlled Interiors
- Specification, ASTM B633

Note: ✦Available as a special order.
Hot dip galvinized tray available as special order.

Wire Basket Tray System

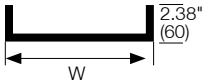
Round Cross-Wire Basket Tray

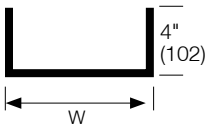


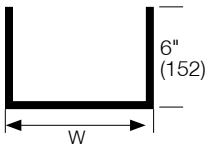
Features

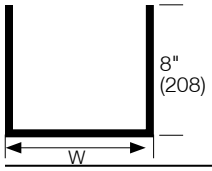
- T-weld construction prevents snags
- 5mm round wire minimum
- High load rating
- Easy to cut and fabricate fittings in the field
- 100% recycled steel
- 2" x 4" mesh opening
- Use factory support hardware or fabricate supports at the job site
- Painted tray includes factory installed masking to ensure proper grounding at splices; no need to remove paint during installation

10 Feet per Length 118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	Tray Weight per Length (Lb)	Splice Quantity*		Finish	
				90° Sweep Elbow	Straight Splice	Pre-Galvanized	Black Powder Coat
2" Deep Tray	4" (102)	45	7	2	2	**HBT0204**	**HBT0204BK**
	6" (152) ●	50	9	3	4	**HBT0206**	**HBT0206BK**
	8" (203) ●	52	10.5	4	4	**HBT0208**	**HBT0208BK**
	12" (305) ●	58	12	6	4	**HBT0212**	**HBT0212BK**
	16" (406) ●	70	15	7	4	**HBT0216**	**HBT0216BK**
	18" (457) ●	70	23	9	4	**HBT0218**	**HBT0218BK**
	20" (508) ●	73	25	9	5	**HBT0220**	**HBT0220BK**
	22" (559)	73	27	12	5	**HBT0222**	**HBT0222BK**
	24" (610) ●	75	31	12	5	**HBT0224**	**HBT0224BK**
	26" (660)	73	33	13	6	**HBT0226**	**HBT0226BK**
	28" (711)	73	35	14	6	**HBT0228**	**HBT0228BK**
	30" (762)	70	38	15	6	**HBT0230**	**HBT0230BK**
	32" (813)	70	39	16	6	**HBT0232**	**HBT0232BK**
4" Deep Tray	4" (102)	49	12	2	4	**HBT0404**	**HBT0404BK**
	6" (152) ●	49	13	3	5	**HBT0406**	**HBT0406BK**
	8" (203) ●	78	15	4	6	**HBT0408**	**HBT0408BK**
	12" (305) ●	78	23	6	6	**HBT0412**	**HBT0412BK**
	16" (406) ●	108	27	7	7	**HBT0416**	**HBT0416BK**
	18" (457) ●	116	29	9	7	**HBT0418**	**HBT0418BK**
	20" (508) ●	116	31	9	7	**HBT0420**	**HBT0420BK**
	22" (559)	116	33	12	8	**HBT0422**	**HBT0422BK**
	24" (610) ●	116	35	12	8	**HBT0424**	**HBT0424BK**
	28" (711)	108	39	14	9	**HBT0428**	**HBT0428BK**
6" Deep Tray	8" (203) ●	116	23	4	6	**HBT0608**	**HBT0608BK**
	12" (305) ●	123	27	6	6	**HBT0612**	**HBT0612BK**
	16" (406) ●	123	31	7	7	**HBT0616**	**HBT0616BK**
	18" (457) ●	127	33	9	7	**HBT0618**	**HBT0618BK**
	20" (508) ●	127	35	9	7	**HBT0620**	**HBT0620BK**
	22" (559) ●	127	37	12	8	**HBT0622**	**HBT0622BK**
	24" (610) ●	150	39	12	8	**HBT0624**	**HBT0624BK**
8" Deep Tray	8" (203) ●	116	27	4	8	**HBT0808**	**HBT0808BK**
	12" (305) ●	116	31	6	8	**HBT0812**	**HBT0812BK**
	16" (406) ●	116	35	7	9	**HBT0816**	**HBT0816BK**
	18" (457) ●	116	37	9	9	**HBT0818**	**HBT0818BK**
	20" (508) ●	116	39	9	9	**HBT0820**	**HBT0820BK**









Note: ●UL Classified as equipment ground conductor (painted tray cUL Classified only).
All dimensions are +/- 0.25". Custom paint colors available in addition to Black Powder Coat (Contact Hubbell).
**See page U-13 for details and page U-14 for wire fill and maximum load chart.*
HBT0202 (2x2 tray) available as special order. MOQ 40 pcs. Top wire utilizes side weld.

Field Configurable Fittings



90° Sweep Elbow

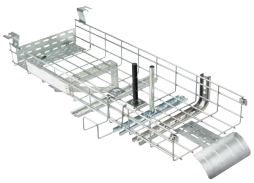
Use appropriate quantity of splice kits



Tee Fitting

Use one HBTCS corner splice per each

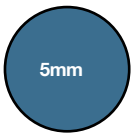
Supports and Hardware



Ordering Information

See page U-12

Wire Diameter



.1969" Dia.
"Round" Wire Design

Dimensions in Inches (mm)

Wire Basket Tray System

Electroplated Zinc Round Cross-Wire Basket Tray



Features

- T-weld construction prevents snags
- 5mm round wire minimum
- High load rating
- Easy to cut and fabricate fittings in the field
- 2" x 4" mesh opening
- Use factory support hardware or fabricate supports at the job site
- Electroplated zinc galvanized (post plated) made from cabon steel and plated to ASTM B 633, Type III, SC-1

Field Configurable Fittings



90° Sweep Elbow

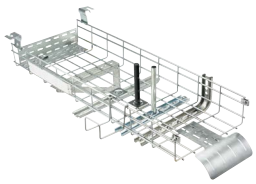
Use appropriate quantity of splice kits



Tee Fitting

Use one HBTCS corner splice per each

Supports and Hardware



Ordering Information

See page U-12

Wire Diameter

5mm

.1969" Dia.
"Round" Wire Design

10 Feet per Length 118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	Tray Weight per Length (Lb)	Splice Quantity*		Finish
				90° Sweep Elbow	Straight Splice	Electroplated Zinc
2" Deep Tray	4" (102)	45	7	2	2	**HBT0204ZP**
	6" (152) ●	50	9	3	4	**HBT0206ZP**
	8" (203) ●	52	10.5	4	4	**HBT0208ZP**
	12" (305) ●	58	12	6	4	**HBT0212ZP**
	16" (406) ●	70	15	7	4	**HBT0216ZP**
	18" (457) ●	70	23	9	4	**HBT0218ZP**
	20" (508) ●	73	25	9	5	**HBT0220ZP**
	22" (559)	73	27	12	5	**HBT0222ZP**
	24" (610) ●	75	31	12	5	**HBT0224ZP**
	26" (660)	73	33	13	6	**HBT0226ZP**
	28" (711)	73	35	14	6	**HBT0228ZP**
	30" (762)	70	38	15	6	**HBT0230ZP**
	32" (813)	70	39	16	6	**HBT0232ZP**
4" Deep Tray	4" (102)	49	12	2	4	**HBT0404ZP**
	6" (152) ●	49	13	3	5	**HBT0406ZP**
	8" (203) ●	78	15	4	6	**HBT0408ZP**
	12" (305) ●	78	23	6	6	**HBT0412ZP**
	16" (406) ●	108	27	7	7	**HBT0416ZP**
	18" (457) ●	116	29	9	7	**HBT0418ZP**
	20" (508) ●	116	31	9	7	**HBT0420ZP**
	22" (559)	116	33	12	8	**HBT0422ZP**
	24" (610) ●	116	35	12	8	**HBT0424ZP**
	28" (711)	108	39	14	9	**HBT0428ZP**
6" Deep Tray	8" (203) ●	116	23	4	6	**HBT0608ZP**
	12" (305) ●	123	27	6	6	**HBT0612ZP**
	16" (406) ●	123	31	7	7	**HBT0616ZP**
	18" (457) ●	127	33	9	7	**HBT0618ZP**
	20" (508) ●	127	35	9	7	**HBT0620ZP**
	22" (559) ●	127	37	12	8	**HBT0622ZP**
	24" (610) ●	150	39	12	8	**HBT0624ZP**
8" Deep Tray	8" (203) ●	116	27	4	8	**HBT0808ZP**
	12" (305) ●	116	31	6	8	**HBT0812ZP**
	16" (406) ●	116	35	7	9	**HBT0816ZP**
	18" (457) ●	116	37	9	9	**HBT0818ZP**
	20" (508) ●	116	39	9	9	**HBT0820ZP**

Note: ●UL Classified/cUL Classified as equipment ground conductor.
All dimensions are +/- 0.25".
**See page U-13 for details and page U-14 for wire fill and maximum load chart.*

Dimensions in Inches (mm)

Wire Basket Tray System

Flat Style Cross-Wire Basket Tray



Features

- Flat shaped cross-wires provide significantly more surface area to support weight of cables - Ideal for Cat 6 and 6A applications
- Flat ribs provide 400% more surface area and reduce stress on cables by 60%
- 100% recycled steel
- 2" x 4" mesh opening
- Reduction in stress helps maintain Cat 6 and Cat 6A performance
- Cuts and configures the same as round wire tray
- Uses the same splicing and mounting hardware as round wire tray

10 Feet per Length 118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	Tray Weight per Length (Lb)	Splice Quantity*		Finish	
				90° Sweep Elbow	Straight Splice	Pre-Galvanized	Black Powder Coat
2" Deep Tray	4" (102)	45	7	2	2	**HBT0204S**	**HBT0204SBK**
	6" (152) ●	50	9	3	4	**HBT0206S**	**HBT0206SBK**
	8" (203) ●	52	10.5	4	4	**HBT0208S**	**HBT0208SBK**
	12" (305) ●	58	12	6	4	**HBT0212S**	**HBT0212SBK**
	16" (406) ●	70	15	7	4	**HBT0216S**	**HBT0216SBK**
	18" (457) ●	70	23	9	4	**HBT0218S**	**HBT0218SBK**
	20" (508) ●	73	25	9	5	**HBT0220S**	**HBT0220SBK**
	22" (559)	73	27	12	5	**HBT0222S**	**HBT0222SBK**
	24" (610) ●	75	31	12	5	**HBT0224S**	**HBT0224SBK**
	26" (660)	73	33	13	6	**HBT0226S**	**HBT0226SBK**
	28" (711)	73	35	14	6	**HBT0228S**	**HBT0228SBK**
	30" (762)	70	38	15	6	**HBT0230S**	**HBT0230SBK**
	32" (813)	70	39	16	6	**HBT0232S**	**HBT0232SBK**
4" Deep Tray	4" (102)	49	12	2	4	**HBT0404S**	**HBT0404SBK**
	6" (152) ●	49	13	3	5	**HBT0406S**	**HBT0406SBK**
	8" (203) ●	78	15	4	6	**HBT0408S**	**HBT0408SBK**
	12" (305) ●	78	23	6	6	**HBT0412S**	**HBT0412SBK**
	16" (406) ●	108	27	7	7	**HBT0416S**	**HBT0416SBK**
	18" (457) ●	116	29	9	7	**HBT0418S**	**HBT0418SBK**
	20" (508) ●	116	31	9	7	**HBT0420S**	**HBT0420SBK**
	22" (559)	116	33	12	8	**HBT0422S**	**HBT0422SBK**
	24" (610) ●	116	35	12	8	**HBT0424S**	**HBT0424SBK**
	28" (711)	108	39	14	9	**HBT0428S**	**HBT0428SBK**
6" Deep Tray	8" (203) ●	116	23	4	6	**HBT0608S**	**HBT0608SBK**
	12" (305) ●	123	27	6	6	**HBT0612S**	**HBT0612SBK**
	16" (406) ●	123	31	7	7	**HBT0616S**	**HBT0616SBK**
	18" (457) ●	127	33	9	7	**HBT0618S**	**HBT0618SBK**
	20" (508) ●	127	35	9	7	**HBT0620S**	**HBT0620SBK**
	22" (559) ●	127	37	12	8	**HBT0622S**	**HBT0622SBK**
	24" (610) ●	150	39	12	8	**HBT0624S**	**HBT0624SBK**
8" Deep Tray	8" (203) ●	116	27	4	8	**HBT0808S**	**HBT0808SBK**
	12" (305) ●	116	31	6	8	**HBT0812S**	**HBT0812SBK**
	16" (406) ●	116	35	7	9	**HBT0816S**	**HBT0816SBK**
	18" (457) ●	116	37	9	9	**HBT0818S**	**HBT0818SBK**
	20" (508) ●	116	39	9	9	**HBT0820S**	**HBT0820SBK**

2" Deep Tray: 2.38" (60), W

4" Deep Tray: 4" (102), W

6" Deep Tray: 6" (152), W

8" Deep Tray: 8" (208), W

Note: ●*UL Classified as equipment ground conductor (painted tray cUL Classified only).*
All dimensions are +/- 0.25". Custom paint colors available in addition to Black Powder Coat (Contact Hubbell).
**See page U-13 for details and page U-14 for wire fill and maximum load chart.*

Field Configurable Fittings

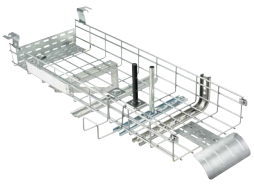


90° Sweep Elbow
Use appropriate quantity of splice kits



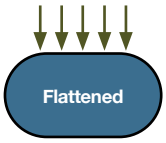
Tee Fitting
Use one HBTCS corner splice per each

Supports and Hardware



Ordering Information
See page U-12

Cable Support Area



.03125 sq. inch
"Flat" Wire Design
(based on .125" dia. cable)

Dimensions in Inches (mm)

Wire Basket Tray System

Stainless Steel Round Cross-Wire Basket Tray



Features

- Type 304L and 316S stainless steel
- Meets ASTM A580 specifications
- 4.5mm round wire minimum
- Stainless splice kits and ceiling supports are available

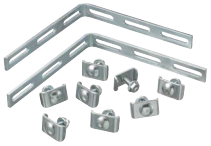
Applications

- Food processing
- Wash down areas
- Corrosive environments
- Outdoor installations
- Marine

Stainless Steel Accessories Available



HBTSKSS
Splice Kits



HBTCSSS
Corner Splice



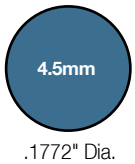
HBTWSSS
Washer Support



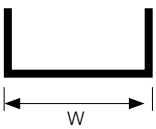
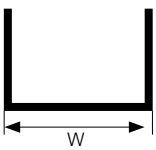
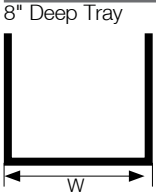
HBTNBSS
¼" x 20 Nuts and Bolts

Ordering Information
See page U-12

Wire Diameter



.1772" Dia.
"Round" Wire Design

10 Feet per Length 118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	Tray Weight per Length (Lb)	Splice Quantity*		Round	
				90° Sweep Elbow	Straight Splice	Type 304L	Type 316S
2" Deep Tray	4" (102)	45	7	2	2	**HBT0204S04**	**HBT0204S16**
	6" (152)	50	9	3	4	**HBT0206S04**	**HBT0206S16**
	8" (203)	52	10.5	4	4	**HBT0208S04**	**HBT0208S16**
	12" (305)	58	12	6	4	**HBT0212S04**	**HBT0212S16**
	16" (406)	70	15	7	4	**HBT0216S04**	**HBT0216S16**
	18" (457)	70	23	9	4	**HBT0218S04**	**HBT0218S16**
	20" (508)	73	25	9	5	**HBT0220S04**	**HBT0220S16**
	22" (559)	73	27	12	5	**HBT0222S04**	**HBT0222S16**
	24" (610)	75	31	12	5	**HBT0224S04**	**HBT0224S16**
	26" (660)	73	33	13	6	**HBT0226S04**	**HBT0226S16**
	28" (711)	73	35	14	6	**HBT0228S04**	**HBT0228S16**
	30" (762)	70	38	15	6	**HBT0230S04**	**HBT0230S16**
	32" (813)	70	39	16	6	**HBT0232S04**	**HBT0232S16**
4" Deep Tray	4" (102)	49	12	2	4	**HBT0404S04**	**HBT0404S16**
	6" (152)	49	13	3	5	**HBT0406S04**	**HBT0406S16**
	8" (203)	78	15	4	6	**HBT0408S04**	**HBT0408S16**
	12" (305)	78	23	6	6	**HBT0412S04**	**HBT0412S16**
	16" (406)	108	27	7	7	**HBT0416S04**	**HBT0416S16**
	18" (457)	116	29	9	7	**HBT0418S04**	**HBT0418S16**
	20" (508)	116	31	9	7	**HBT0420S04**	**HBT0420S16**
	22" (559)	116	33	12	8	**HBT0422S04**	**HBT0422S16**
	24" (610)	116	35	12	8	**HBT0424S04**	**HBT0424S16**
	28" (711)	108	39	14	9	**HBT0428S04**	**HBT0428S16**
6" Deep Tray	8" (203)	116	23	4	6	**HBT0608S04**	**HBT0608S16**
	12" (305)	123	27	6	6	**HBT0612S04**	**HBT0612S16**
	16" (406)	123	31	7	7	**HBT0616S04**	**HBT0616S16**
	18" (457)	127	33	9	7	**HBT0618S04**	**HBT0618S16**
	20" (508)	127	35	9	7	**HBT0620S04**	**HBT0620S16**
	22" (559)	127	37	12	8	**HBT0622S04**	**HBT0622S16**
	24" (610)	150	39	12	8	**HBT0624S04**	**HBT0624S16**
8" Deep Tray	8" (203)	116	27	4	8	**HBT0808S04**	**HBT0808S16**
	12" (305)	116	31	6	8	**HBT0812S04**	**HBT0812S16**
	16" (406)	116	35	7	9	**HBT0816S04**	**HBT0816S16**
	18" (457)	116	37	9	9	**HBT0818S04**	**HBT0818S16**
	20" (508)	116	39	9	9	**HBT0820S04**	**HBT0820S16**

Note: All dimensions are +/- 0.25".
**See page U-13 for details and page U-14 for wire fill and maximum load chart.*

Dimensions in Inches (mm)

Accessories for Under Floor Wire Basket Tray



Splice Hardware

Description	Finish	Catalog Number
Kit, Pedestal (2) HBTUPC and (1) Cross bar	Pre-Galvanized	**HBTUPK** 
C-Bracket 6" Tier 12" Tier	 Pre-Galvanized Pre-Galvanized	 **HBTUCB6** **HBTUCB12** 
U-Clamp, Pedestal (1) Clamp	Pre-Galvanized	**HBTUPC** 
Tray Grounding Fasteners Washer supports HBTWS and ¼" - 20 self threading screws; 50 per box. Required when installing under floor wire basket tray.	Zinc Plated	**HBTUGS** 
Intersection Supports For use with HBTUSUPP series support	Pre-Galvanized	**HBTUFIT** 
Vertical Up	Pre-Galvanized	**HBTUVU** 

Note: See page 10 for L-brackets and C-brackets.
See page 14 for wire fill and maximum load chart.

Saw Horse Supports

Support Height	Support Width	Finish	Catalog Number
4" (102)	22" (559)	Pre-Galvanized	**HBTUSUPP4**
6" (152)	22" (559)	Pre-Galvanized	**HBTUSUPP6**
8" (203)	22" (559)	Pre-Galvanized	**HBTUSUPP8**
10" (254)	22" (559)	Pre-Galvanized	**HBTUSUPP10**
12" (305)	22" (559)	Pre-Galvanized	**HBTUSUPP12**
14" (356)	22" (559)	Pre-Galvanized	**HBTUSUPP14**
16" (406)	22" (559)	Pre-Galvanized	**HBTUSUPP16**
18" (457)	22" (559)	Pre-Galvanized	**HBTUSUPP18**
20" (508)	22" (559)	Pre-Galvanized	**HBTUSUPP20**
22" (559)	22" (559)	Pre-Galvanized	**HBTUSUPP22**
24" (610)	22" (559)	Pre-Galvanized	**HBTUSUPP24**
26" (660)	22" (559)	Pre-Galvanized	**HBTUSUPP26**
28" (711)	22" (559)	Pre-Galvanized	**HBTUSUPP28**
30" (762)	22" (559)	Pre-Galvanized	**HBTUSUPP30**

Dimensions in Inches (mm)

Accessories for Wire Basket Tray, Preformed Fittings



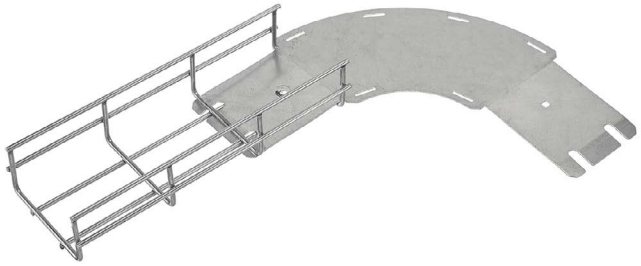
1. Splicing hardware included

Installation Efficiency

Hubbell preformed fittings are time and cost effective solutions to installing 90 Degree Radius, Tees and Intersections, no cutting and no configuring. Hubbell offers Pre-galvanized or Black powder painted finishes. The fittings simply attach at the Intersections Tees or junctions when you want a radius bend. The fittings are manufactured precisely to the basket tray being utilized providing a clean engineered solution.

Installation of Hubbell preformed fittings can reduce installation configurations from hours to a few minutes. Labor and time savings can exceed 90% versus traditional cutting and splicing. Preformed fittings ensure a consistent installation every time and also avoids the sharp wire edges caused during the cutting process. Standard Hubbell preformed fittings consist of a pregalvanized base with black polymer sides* and splicing hardware.

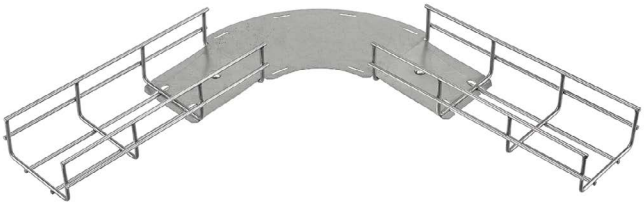
*Steel wall preform fittings are available.



2. Attach first tray with washer support and ¼"-20 nut and bolt



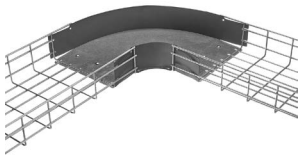
3. Washer support secured to tray



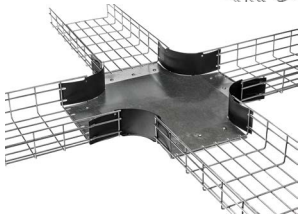
4. Attach second tray



5. Install side walls







90 Degree Radius

Tray Width	Traditional Configuration	Hubbell Preformed Fittings	Time Savings
2 x 8	7 Minutes	1 Minute	85%
4 x 12	20 Minutes	2 Minutes	90%

Tee

Tray Width	Traditional Configuration	Hubbell Preformed Fittings	Time Savings
4 x 12	8 Minutes, 45 seconds	2 Minutes, 30 seconds	70%
4 x 18	10 Minutes	2 Minutes, 30 seconds	74%

Intersection

Tray Width	Traditional Configuration	Hubbell Preformed Fittings	Time Savings
6 x 24	29 Minutes	4 Minutes, 45 seconds	83%

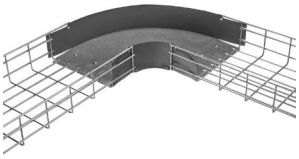
Wire Basket Tray System

Accessories for Wire Basket Tray, Preformed Fittings



Features

- Labor and time savings
- Consistent installations
- For round and flat tray
- Steel pre-galvanized bases
- Interlocking polymer side walls
- Splicing hardware included
- Available with steel side walls









Tray Size	Tray Width	90 Degree	Tee	Intersection	45 Degree	30 Degree
2" (51) Deep	4"(102)	**HBTR0204**	**HBTT0204**	**HBTI0204**	**HBT450204**	**HBT300204**
	6"(152)	**HBTR0206**	**HBTT0206**	**HBTI0206**	**HBT450206**	**HBT300206**
	8"(203)	**HBTR0208**	**HBTT0208**	**HBTI0208**	**HBT450208**	**HBT300208**
	12"(305)	**HBTR0212**	**HBTT0212**	**HBTI0212**	**HBT450212**	**HBT300212**
	16"(406)	**HBTR0216**	**HBTT0216**	**HBTI0216**	**HBT450216**	**HBT300216**
	18"(457)	**HBTR0218**	**HBTT0218**	**HBTI0218**	**HBT450218**	**HBT300218**
	20"(508)	**HBTR0220**	**HBTT0220**	**HBTI0220**	**HBT450220**	**HBT300220**
	24"(610)	**HBTR0224**	**HBTT0224**	**HBTI0224**	**HBT450224**	**HBT300224**
4" (102) Deep	4"(102)	**HBTR0404**	**HBTT0404**	**HBTI0404**	**HBT450404**	**HBT300404**
	6"(152)	**HBTR0406**	**HBTT0406**	**HBTI0406**	**HBT450406**	**HBT300406**
	8"(203)	**HBTR0408**	**HBTT0408**	**HBTI0408**	**HBT450408**	**HBT300408**
	12"(305)	**HBTR0412**	**HBTT0412**	**HBTI0412**	**HBT450412**	**HBT300412**
	16"(406)	**HBTR0416**	**HBTT0416**	**HBTI0416**	**HBT450416**	**HBT300416**
	18"(457)	**HBTR0418**	**HBTT0418**	**HBTI0418**	**HBT450418**	**HBT300418**
	20"(508)	**HBTR0420**	**HBTT0420**	**HBTI0420**	**HBT450420**	**HBT300420**
	24"(610)	**HBTR0424**	**HBTT0424**	**HBTI0424**	**HBT450424**	**HBT300424**
6" (152) Deep	8"(203)	**HBTR0608**	**HBTT0608**	**HBTI0608**	**HBT450608**	**HBT300608**
	12"(305)	**HBTR0612**	**HBTT0612**	**HBTI0612**	**HBT450612**	**HBT300612**
	16"(406)	**HBTR0616**	**HBTT0616**	**HBTI0616**	**HBT450616**	**HBT300616**
	18"(457)	**HBTR0618**	**HBTT0618**	**HBTI0618**	**HBT450618**	**HBT300618**
	20"(508)	**HBTR0620**	**HBTT0620**	**HBTI0620**	**HBT450620**	**HBT300620**
	24"(610)	**HBTR0624**	**HBTT0624**	**HBTI0624**	**HBT450624**	**HBT300624**

*Note: Add **BK** suffix for black base.*
*Add **SW** suffix for steel side walls.*

Dimensions in Inches (mm)

Accessories for Wire Basket Tray - Supports and Brackets

Supports**







Tray Width	Center Support			Ceiling Support		Trapeze Support		
	Qty. per Box	Pre-Galvanized	Black Powder Coat	Pre-Galvanized	Black Powder Coat	Qty. per Box	Zinc Plated	Black Powder Coat
4" (102)	1	**HBTCTRS4**	**HBTCTRS4BK**	–	–	50	**HBTTS**	**HBTTSBK**
6" (152)	1	**HBTCTRS6**	**HBTCTRS6BK**	–	–		Attaches to the side of the tray; for tray sizes 16" wide and smaller; use in pairs every 6 feet for 4" and 6" trays; can be staggered every 5 feet.	
8" (203)	1	**HBTCTRS8**	**HBTCTRS8BK**	–	–			
12" (305)	1	**HBTCTRS12**	**HBTCTRS12BK**	**HBTCLGS12**	**HBTCLGS12BK**			
16" (406)	1	**HBTCTRS16**	**HBTCTRS16BK**	**HBTCLGS16**	**HBTCLGS16BK**			
18" (457)	1	**HBTCTRS18**	**HBTCTRS18BK**	**HBTCLGS18**	**HBTCLGS18BK**			
20" (508)	1	**HBTCTRS20**	**HBTCTRS20BK**	**HBTCLGS20**	**HBTCLGS20BK**			
24" (610)	1	**HBTCTRS24**	**HBTCTRS24BK**	**HBTCLGS24**	**HBTCLGS24BK**			

Brackets**







Tray Width	L-Bracket		C-Bracket		Shelf Support	
	Qty. per Box	Pre-Galvanized	Black Powder Coat	Pre-Galvanized	Black Powder Coat	Pre-Galvanized	Black Powder Coat
4" (102)	1	**HBTLB4**	**HBTLB4BK**	**HBTCB4**	**HBTCB4BK**	**HBTSS4**	**HBTSS4BK**
6" (152)	1	**HBTLB6**	**HBTLB6BK**	–	–	**HBTSS6**	**HBTSS6BK**
8" (203)	1	**HBTLB8**	**HBTLB8BK**	**HBTCB8**	**HBTCB8BK**	**HBTSS8**	**HBTSS8BK**
12" (305)	1	**HBTLB12**	**HBTLB12BK**	**HBTCB12**	**HBTCB12BK**	**HBTSS12**	**HBTSS12BK**
16" (406)	1	**HBTLB16**	**HBTLB16BK**	–	–	**HBTSS16**	**HBTSS16BK**
18" (457)	1	**HBTLB18**	**HBTLB18BK**	**HBTCB18**	**HBTCB18BK**	**HBTSS18**	**HBTSS18BK**
20" (508)	1	**HBTLB20**	**HBTLB20BK**	–	–	**HBTSS20**	**HBTSS20BK**
24" (610)	1	**HBTLB24**	**HBTLB24BK**	–	–	**HBTSS24**	**HBTSS24BK**

*Note: **Install every 6 feet.*

Dimensions in Inches (mm)

Accessories for Wire Basket Tray - Covers and Inserts

Black Polymer Inserts with Sides*

Provides a solid bottom and sides for tray - order in 10 foot increments



Tray Width	2" (51) Deep	4" (102) Deep	6" (152) Deep
4" (102)	**HBTFRMINS0204BK**	**HBTFRMINS0404BK**	–
6" (152)	**HBTFRMINS0206BK**	**HBTFRMINS0406BK**	–
8" (203)	**HBTFRMINS0208BK**	**HBTFRMINS0408BK**	**HBTFRMINS0608BK**
12" (305)	**HBTFRMINS0212BK**	**HBTFRMINS0412BK**	**HBTFRMINS0612BK**
16" (406)	**HBTFRMINS0216BK**	**HBTFRMINS0416BK**	**HBTFRMINS0616BK**
18" (457)	**HBTFRMINS0218BK**	**HBTFRMINS0418BK**	**HBTFRMINS0618BK**
20" (508)	**HBTFRMINS0220BK**	**HBTFRMINS0420BK**	**HBTFRMINS0620BK**
24" (610)	**HBTFRMINS0224BK**	**HBTFRMINS0424BK**	**HBTFRMINS0624BK**

*Note: *For white insert, replace **BK** with **WHT**.*

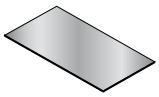
Polymer Inserts



Provides a solid bottom for tray - order in 10 foot increments

Tray Width	Length	White	Black
4" (102)	118" (3000)	**HBTINSNM04WHT**	**HBTINSNM04**
6" (152)	118" (3000)	**HBTINSNM06WHT**	**HBTINSNM06**
8" (203)	118" (3000)	**HBTINSNM08WHT**	**HBTINSNM08**
12" (305)	118" (3000)	**HBTINSNM12WHT**	**HBTINSNM12**
16" (406)	118" (3000)	**HBTINSNM16WHT**	**HBTINSNM16**
18" (457)	118" (3000)	**HBTINSNM18WHT**	**HBTINSNM18**
20" (508)	118" (3000)	**HBTINSNM20WHT**	**HBTINSNM20**
24" (610)	118" (3000)	**HBTINSNM24WHT**	**HBTINSNM24**

Galvanized Steel Inserts



Provides a solid bottom for tray - 5 feet length per piece; 1 piece per box

Tray Width	Length	Pre-Galvanized	Black Powder Coat
4" (102)	59" (1500)	**HBTINSM04**	**HBTINSM04BK**
6" (152)	59" (1500)	**HBTINSM06**	**HBTINSM06BK**
8" (203)	59" (1500)	**HBTINSM08**	**HBTINSM08BK**
12" (305)	59" (1500)	**HBTINSM12**	**HBTINSM12BK**
16" (406)	59" (1500)	**HBTINSM16**	**HBTINSM16BK**
18" (457)	59" (1500)	**HBTINSM18**	**HBTINSM18BK**
20" (508)	59" (1500)	**HBTINSM20**	**HBTINSM20BK**
24" (610)	59" (1500)	**HBTINSM24**	**HBTINSM24BK**

Galvanized Steel Covers



Top cable and wire protector - 5 feet length per piece; 1 piece per box

Tray Width	Length	Pre-Galvanized	Black Powder Coat
4" (102)	59" (1500)	**HBTCVR4**	**HBTCVR4BK**
6" (152)	59" (1500)	**HBTCVR6**	**HBTCVR6BK**
8" (203)	59" (1500)	**HBTCVR8**	**HBTCVR8BK**
12" (305)	59" (1500)	**HBTCVR12**	**HBTCVR12BK**
16" (406)	59" (1500)	**HBTCVR16**	**HBTCVR16BK**
18" (457)	59" (1500)	**HBTCVR18**	**HBTCVR18BK**
20" (508)	59" (1500)	**HBTCVR20**	**HBTCVR20BK**
24" (610)	59" (1500)	**HBTCVR24**	**HBTCVR24BK**

Galvanized Termination Support



Secures end of tray to wall and can serve as blank end fitting; 1 piece per box

Tray Width	Length	Pre-Galvanized	Black Powder Coat
6" (152)	6.4" (163)	**HBTTS6**	**HBTTS6BK**
8" (203)	8" (203)	**HBTTS8**	**HBTTS8BK**
12" (305)	11.2" (284)	**HBTTS12**	**HBTTS12BK**
16" (406)	16" (406)	**HBTTS16**	**HBTTS16BK**
18" (457)	17.6" (447)	**HBTTS18**	**HBTTS18BK**
20" (508)	19.2" (488)	**HBTTS20**	**HBTTS20BK**
24" (610)	24" (610)	**HBTTS24**	**HBTTS24BK**

Galvanized Steel Dividers



Mounting hardware to secure to tray (not included); 2 mounting holes per piece; 5 feet length per piece; 1 piece per box

For use with Tray	Length	Pre-Galvanized	Black Powder Coat
2" (51) Deep	60" (1524)	**HBTDIV2**	**HBTDIV2BK**
4" (102) Deep	60" (1524)	**HBTDIV4**	**HBTDIV4BK**
6" (152) Deep	60" (1524)	**HBTDIV6**	**HBTDIV6BK**
8" (203) Deep	60" (1524)	**HBTDIV8***	**HBTDIV8BK***

*Note: *Minimum order quantity = 40 pieces.*



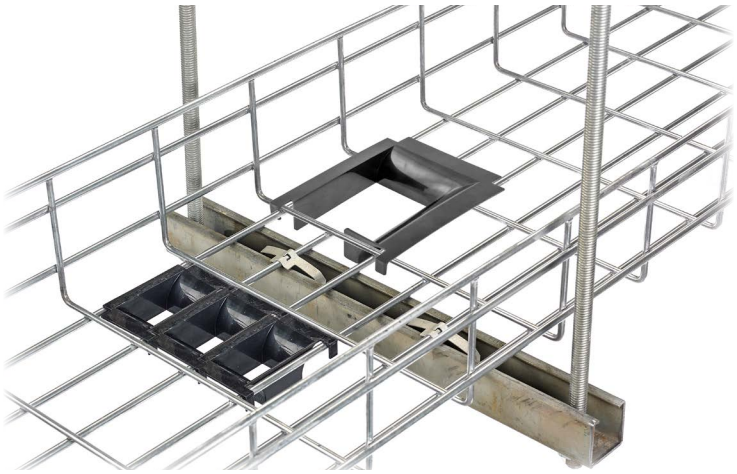
Dimensions in Inches (mm)

Accessories for Wire Basket Tray, Supports and Fittings

Description	Tray Width	Finish	Catalog Number
Radius Down Increases cable protection and cable bend control; 1 per box	4" (102) 6" (152) 12" (305)	Black Black Black	**HBTRD4BK** **HBTRD6BK** **HBTRD12BK**
Exit Radius Down* Top tray attachment, increases cable protection and cable bend control; 1 per box	4X4 Minimum Tray Size	Black	**HBTEXTRDBK**
Vertical Down Protects cables when dropping from the end or side of tray; 1 per box	7¾" (102)	Zinc Plated Black	**HBTVD** **HBTVDBK**
Label Clip Attachment for all sizes of tray; 1 per box		White	**HBTLC**
Cable Guide* Maintains cable bend radius and acts as a divider for straight sections and fittings; 1 per box		Black	**HBTCG**
Electrical Box Bracket Attaches electrical box to side of tray; 1 per box		Pre-Galvanized Black	**HBTEB** **HBTEBBL**
Sidecar Attaches to outside of tray, provides additional cable support, 2" deep; 1 per box		Pre-Galvanized Black	**HBTSC** **HBTSCBK**
Splice Kit 3 piece staked bolt/washer and nut combination; splices straight sections and field formed fittings; 50 pieces per box		Zinc Plated Black Stainless Steel	**HBTSK** **HBTSKBK** **HBTSKSS**
Bar Splice Slotted bar 11$^{15}/_{16}$" long; Splices straight sections and fittings; bend to form tray reducers; adds rigidity to tray splices; 50 pieces per box		Zinc Plated Black Stainless Steel	**HBTBS** **HBTBSBK** **HBTBSSS**
Corner Splice (2) 90° splice bars and (8) sets of the splice kit **Splice Fittings Required:** Use one per each Tee Fitting; Use two per each Cross Fitting		Zinc Plated Black Stainless Steel	**HBTCS** **HBTCSBK** **HBTCSSS**
Washer Supports Splices straight sections and fittings and can also be used as a hold down method for tray to strut (nut and bolt provided separately); 50 pieces per box		Zinc Plated Black Stainless Steel	**HBTWS** **HBTWSBK** **HBTWSSS**
Self Tapping Screws with Supports ¼" - 20 self tapping screw and HBTWS; 50 pieces per box		Zinc Plated	**HBTUGS**

*Note: *Mounting hardware included.*

Description	Finish	Catalog Number
Fitting Attachment Fills the gap in tray when creating fittings in 2" tray or 4"/6" tray	Pre-Galvanized Black Pre-Galvanized Black	**HBTFA2** **HBTFA2BK** **HBTFA46** **HBTFA46BK**
Rack Attachment Attaches tray directly to the top of a standard rack	Zinc Plated Black	**HBTRA** **HBTRABK**
Conduit Attachment Connects conduit to tray (¾", 1" and 1¼" conduit)	Pre-Galvanized Black	**HBTCA3** **HBTCA3BK**
Nut and Bolt Sets ¼" - 20 nut and bolt sets; 50 pieces per box	Zinc Plated Stainless Steel	**HBTNB** **HBTNBSS**
Cable Drop Outs Black polymer inserts; Installed into the bottom of the basket tray to reduce pinch points and maintain a radius bend on the exiting cables	Black	**HBTCDBK**
Large Cable Drop Outs Black polymer inserts; Installed into the bottom of the basket tray to reduce pinch points and maintain a radius bend on the exiting cables (tray requires cutting to install)	Black	**HBTCD4X4BK**
Strut Clips Used to hold down basket tray when used with any standard industry strut supports; 50 pieces per box	Pre-Galvanized	**HBTSTRUTCLIP** • 12" trays or smaller use 2 clips per strut support • 16" - 18" trays use 3 clips per strut support • Larger trays add one clip per strut support for every 6" of tray width
Grounding Split Bolts These are sold in packs of 10. Bolts are used for supplemental grounding. One bolt is installed per section of basket tray. The installer must supply #6 AWG grounding wire	Copper Alloy	**HBTSPLITBOLTPK10**



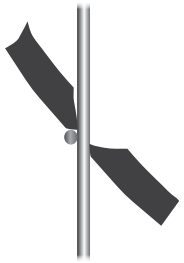
Dimensions in Inches (mm)

Technical Support - Cutting and Forming Fittings

Cutting Wire Basket Tray

- Always make field cuts with the side action angle cutting tool.
- Cuts can be made on any finish, width or depth basket tray.
- Cut as many segments required for sweep elbows (see Splice Quantity column on product pages).
- Remove any sharp edges to eliminate possible damage to cables.





(Side action cutter)

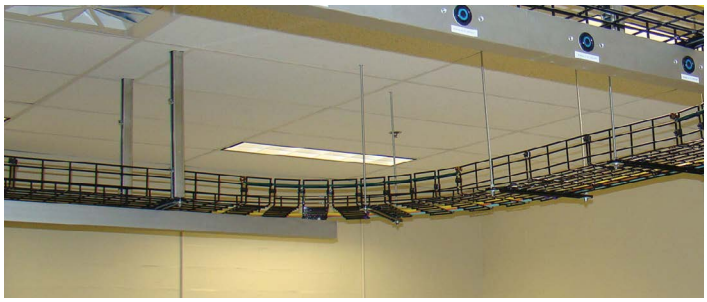
Cutting Tool

Description	Weight (Lb/each)	Qty. per Box	Catalog Number
Manual offset angled cutting tool, 24" leveraged handle	6.0	1	**HBTCUTTOOL**



How to Form a 90 Degree Flat Sweep Elbow

- Determine which wires must be cut for the type of fitting or redirection required. This will usually be the side and bottom wires of every other mesh section.
- Turn the tray over and cut the bottom wires.
- Cut the top side wire.
- Cut the remaining side wires.
- This creates open gaps in the side wall and bottom of the tray.
- Bend the tray to form the desired elbow radius curve by closing the gaps.
- Install splice kits and hardware where the wedge-shaped sections come together.
- Splice kits provide the mechanical connection as well as electrical grounding continuity.





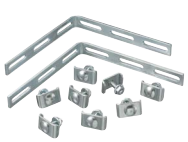


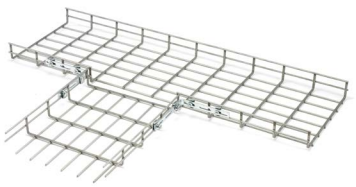
HBTSK Splice Kit
See page U-12 for ordering information.

How to Form a Tee Fitting

- Determine the location of the horizontal “tee” fitting along the length of basket tray.
- Cut the side wires from the tray which shall be the horizontal tray section, to the same width as the perpendicular tray section.
- Do not cut the bottom wires.
- Align the perpendicular tray to the opening in the side of the horizontal tray.
- Position one angle bracket from the HBTCS corner splice kit on each side of the opening.
- Secure the angle brackets to the horizontal and perpendicular tray sections with splice kits (nut, bolt and washer) provided in the HBTCS corner splice kit.
- Support the tee fitting on all three sides of the “tee” using appropriate support method.







HBTCS Corner Splice
See page U-12 for ordering information.

Wire Fill and Maximum Load Chart

Depth	Width	Area	Cat 5e (0.18" dia.) 50% Wire Fill	Cat 6 (0.23" dia.) 50% Wire Fill	Cat 6a (0.30" dia.) 50% Wire Fill	Max. Load (Lb/ft) *(Supported at 6ft spacing)*
2	4	8	157	96	57	45
2	6	12	236	144	85	50
2	8	16	315	193	113	52
2	12	24	472	289	170	58
2	16	32	629	385	226	70
2	18	36	708	433	255	70
2	20	40	786	482	283	73
2	22	44	865	530	311	73
2	24	48	944	578	340	75
2	26	52	1022	626	368	73
2	28	56	1101	674	396	73
2	30	60	1180	722	425	70
2	32	64	1258	771	453	70
4	4	16	315	193	113	49
4	6	24	472	289	170	49
4	8	32	629	385	226	78
4	12	48	944	578	340	78
4	16	64	1258	771	453	108
4	18	72	1415	867	510	116
4	20	80	1573	963	566	116
4	22	88	1730	1060	623	116
4	24	96	1887	1156	679	116
4	28	112	2202	1349	793	108
6	8	48	944	578	340	116
6	12	72	1415	867	510	123
6	16	96	1887	1156	679	123
6	18	108	2123	1300	764	127
6	20	120	2359	1445	849	127
6	22	132	2595	1589	934	127
6	24	144	2831	1734	1019	150
8	8	64	1258	771	453	116
8	12	96	1887	1156	679	116
8	16	128	2516	1541	906	116
8	18	144	2831	1734	1019	116
8	20	160	3145	1926	1132	116

Sizes UL Classified or cUL Classified
as equipment ground conductor

2" Depth	4" Depth	6" Depth	8" Depth
2 x 6	4 x 6	6 x 8	8 x 8
2 x 8	4 x 8	6 x 12	8 x 12
2 x 12	4 x 12	6 x 16	8 x 16
2 x 16	4 x 16	6 x 18	8 x 20
2 x 18	4 x 18	6 x 20	
2 x 20	4 x 20	6 x 22	
2 x 24	4 x 24	6 x 24	

Note: Applicable to pre-galvanized and powder coat painted when spliced as recommended. Other non-UL sizes require external grounding conductor. Stainless steel is not UL listed.

Instructions to Achieve Ground

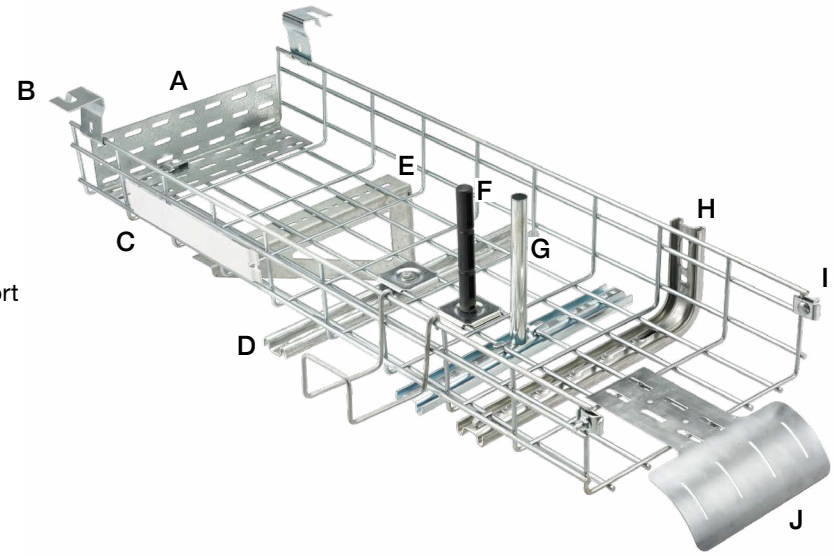
- Use Hubbell splice kits **(HBTSK)** to achieve proper grounding at all splices, joints and fittings.
- Grounding lugs and external ground wire are not required when **HBTSK** splice kits are utilized with steel tray. (Stainless steel tray requires external grounding conductor.)

Wire Basket Tray System

Wire Basket Tray: Create a Bill of Material







A Termination Support
B Trapeze Clips
C Label Clip
D Ceiling Support
E Shelf Support

F Cable Guide
G Center Support
H L-Bracket
I Splice Kit
J Vertical Down

Job Name: _____

Location: _____

Date: _____ _____

I. Tray Size	Fill in info
Depth (inches):	
Width (inches):	
Total linear feet:	
Total feet/10 = pieces:	

II. Finish	Check One
Pre-galvanized:	☐
Painted black:	☐
Stainless steel:	☐
Electro-zinc plated:	☐
Custom color paint:	☐

III. Fittings	Qty
90° sweep elbow:	
Tee fitting:	
Cross-X fitting:	
45° sweep elbow:	
Reducer:	

IV. Splices	Qty*
Splice kits:	
Corner splice:	
Washer support:	
Bar splice:	

V. Supports (6ft spacing)	Qty
Ceiling:	
Center:	
Trapeze clips (use in pairs):	
Wall bracket:	
Termination support:	
Field fabricated from strut:	

VI. Cable management	Qty
Vertical down:	
Radius down:	
Cable guide:	
Side car:	

VII. Attachment hardware	Qty
Termination support or blank end	
Electrical box bracket:	
Fitting attachment:	
Rack attachment:	
Conduit attachment:	

VIII. Tray accessories	Qty
Steel divider:	
Steel cover:	
Steel bottom insert:	
Polymer bottom insert:	
Label clip:	

*Note: *See product selection tables for quantities of splices. These are dependent upon tray size. Additional splices required for fittings.*

Technical Specifications

2.01 ACCEPTABLE MANUFACTURES

1. Manufacturer: Subject to compliance with these specifications wire basket tray systems to be installed shall be Hubbell "HBT" series.

2.02 WIRE TRAY SECTIONS AND COMPONENTS

1. Provide wire basket of types and sizes indicated with all required splicing and mounting hardware. Construct units with T-weld edges and smooth surfaces in compliance with applicable standards and with the following additional construction features.
   A. All straight section longitudinal wires shall be constructed with a continuous top wire safety edge. Safety edge must be T-welded on all tray sizes.
   B. Wire basket cross-wire to be constructed with either flat shaped wire design or with round wire design as directed by engineer.
   - Flat shaped cross wire design shall provide additional surface area for cable weight support and to avoid pressure points and strain on cables.
   - Round shaped cross wire design may be used in general purpose applications where cable weight and strain are not concerns.
2. Materials and Finishes: Material and finish specifications for Carbon Steel Wire and Pre-Galvanized steel wire are as follows:
   A. Pre-galvanized Zinc: Straight section shall be made from pre-galvanized steel meeting the minimum mechanical properties of ASTM A 641. Material must be cleaned after fabrication to remove any soot, manufacturing residue/oils or metallic particles.
   B. Powder Coat: Straight sections shall be powder coated black with an average paint thickness of 1.2mils (30microns) to 3.0mils (75microns). Hubbell powder coat product is masked at splice points to allow conductive ground design; no field paint removal is required.
   C. Stainless Steel: Straight sections and accessories shall be made from AISI Type 304L, 316L Stainless Steel (meeting the minimum mechanical properties of ASTM A 580).
   D. Electro-Plated Zinc Galvanized (Post Plated) Made from Carbon Steel and plated to ASTM B 633, Type III, SC-1.
   E. Hot Dip Galvanized: Plain steel (ASTM AS10) dip after fabricated and formed. ASTM A123.
3. Wire basket shall be made of high strength steel wires and formed into a standard 2-inch by 4-inch wire mesh pattern with intersecting wires welded together. All mesh sections must have at least one bottom longitudinal wire along entire length of straight section.
4. Wire basket sizes shall conform to the following nominal criteria:
   A. Straight sections shall be furnished in standard 118" (3m) lengths.
   B. Wire diameter shall be 0.195" (5mm) minimum on all mesh sections. Wire diameter shall be minimum size of 4.5mm on stainless steel.
   C. Wire basket shall have a 2-inch usable loading depth by (4), (6), (8), (10), (12), (14), (16), (18), (20), (22), (24), (26), (28), (30), (32) inches wide.
   D. Wire basket shall have a 4-inch usable loading depth by (4), (6), (8), (10), (12), (14), (16), (18), (20), (22), (24), (26), (28) inches wide.
   E. Wire basket shall have a 6-inch usable loading depth by (8), (10), (12), (14), (16), (18), (20), (22), (24) inches wide.
   F. Wire basket shall have an 8-inch usable loading depth by (8), (10), (12), (14), (16), (18), (20) inches wide.
5. All fittings shall be field formed from straight sections in accordance with manufacturer's instructions.
6. All Tray sections and splicing assemblies shall be UL/C-UL Classified as an Equipment Ground Conductor (EGC).
7. Wire mesh basket tray supports shall be ceiling trapeze type, center support, trapeze clips, or wall brackets as manufactured by Hubbell.
8. Special accessories shall be furnished as required to protect, support and install a wire basket support system.

SECTION V

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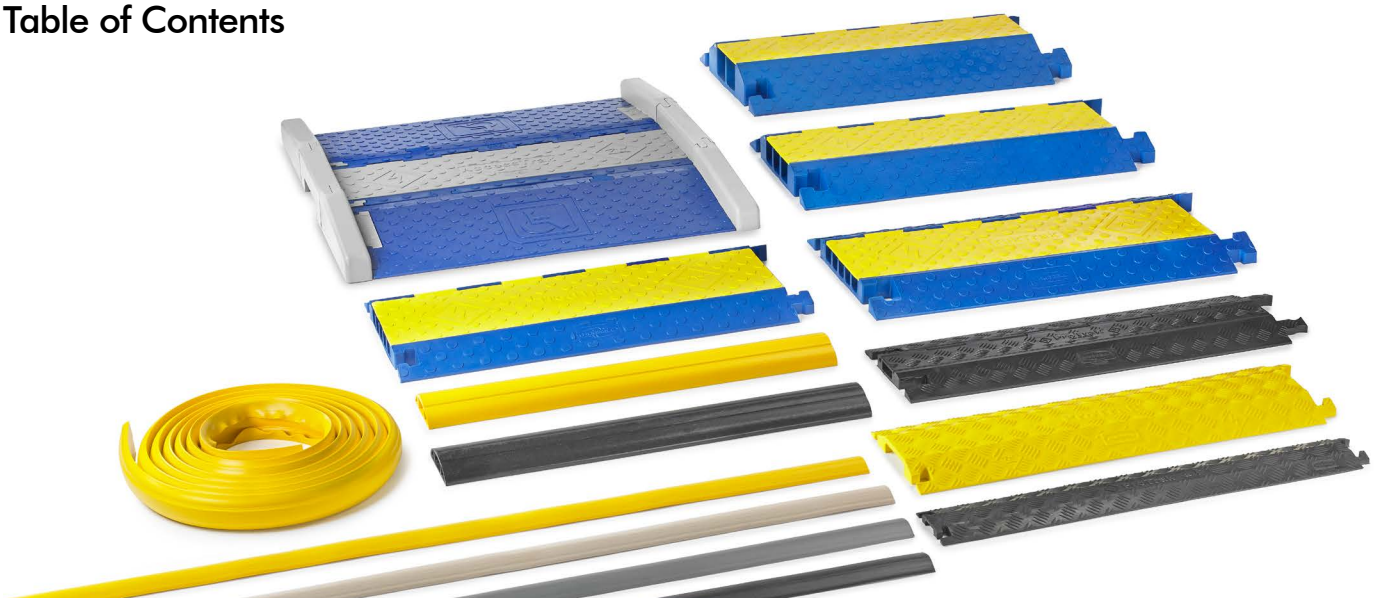
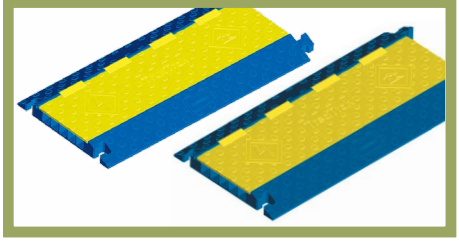


TrukTrak® and TredTrak® Systems



AccessTrak® Systems



ProTrak™ Systems



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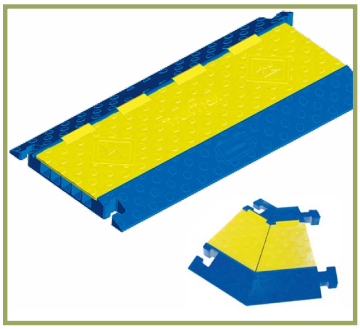
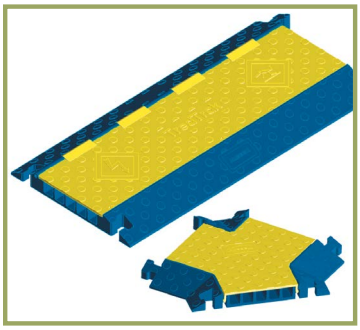
Products at a Glance



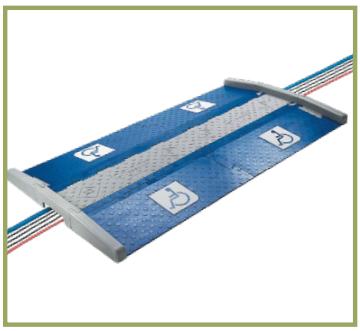
TrukTrak® Systems

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors



TredTrak® Systems

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors



AccessTrak® Systems

- This interlocking system provides a safe, flexible means of protecting cables and hoses in areas requiring ADA compliance
- High density polyurethane construction is weather resistant
- AccessTrak is an expandable five channel system that expands by length or width
- High visibility safety symbols on blue and gray colors



ProTrak™ Systems

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety yellow and black
- Anti-slip pad kits available



FloorTrak® Floor Cable Cover

- Flexible and rigid PVC material
- Protects and reduces trip hazards
- Available in four different sizes and five PVC colors to blend with the various decors
- Withstands temperatures of 0°F to +120°F (-18°C to +49°C)

Features and Benefits



Hubbell TrukTrak® non-metallic cable protectors are designed to safeguard electrical cables and cords from vehicle and pedestrian traffic. The TrukTrak interlocking system comes in two, three and five channel sizes and will protect cables up to 3.25 inches (82.6mm) in diameter. It is ideal for the industrial environment where it is necessary to support heavy trucks and fork lifts.



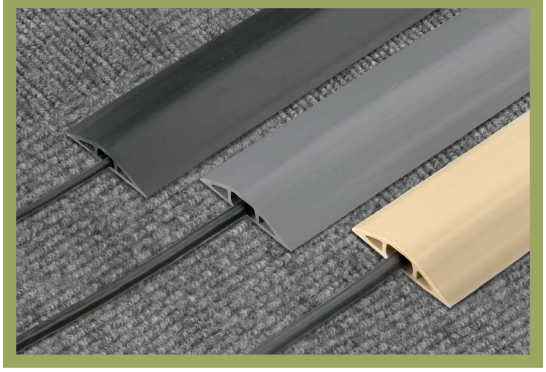
TredTrak® non-metallic cable protectors can also be interlocked to protect cables and cords of any length. The TredTrak system is a five channel modular cable protection system that will protect cable diameters up to 1.28 inches (32.5mm). It is designed to support pedestrian and light vehicle traffic in public, institutional and commercial applications. The Hubbell modular cable protection line also permits compliance with NEC® requirements (Article 525) for insulating electrical cables and cord at carnivals, amusement parks, convention centers and similar public areas.



The AccessTrak® ramping system is a modular cable protection product that enables users to be ADAAG (American Disabilities Act Accessibility Guidelines) compliant and limits the exposure of cables and hoses to people and light vehicles passing over those cables and hoses. AccessTrak is an expandable five channel system that will protect cable and hose diameters up to 1.31 inches (33.0mm). For applications requiring more than five channels, AccessTrak can be expanded by width. In addition, AccessTrak is interlocking expandable by length to protect cables and hoses of any length. The AccessTrak ramping system provides a safe, flexible means of protecting cables and hoses in areas requiring ADA compliance.



ProTrak™ non-metallic single channel cable protectors are suitable for lightweight vehicle and pedestrian traffic. Available in both black and yellow. The drop over PROTRK115 series can accommodate up to 0.75 inches (19.0mm), while the PROTRK140 can handle up to 1.50 inches (38.1mm). The hinged covered PROTRK1225 series can accommodate up to 0.75 inches (19.0mm). A unique tread surface provides maximum traction. ProTrak™ cable protectors can be interlocked as a single color run or as a yellow and black run.



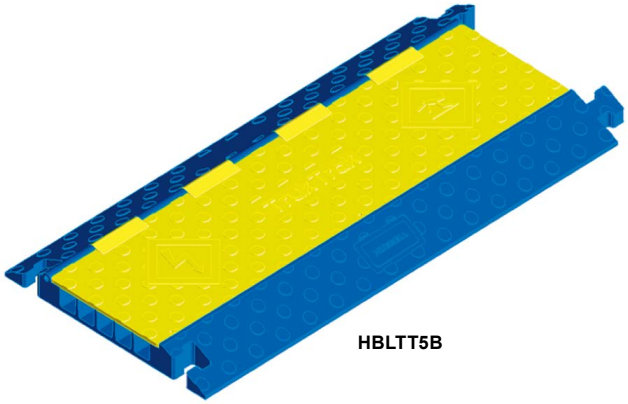
FloorTrak® is a flexible, non-metallic cover for cables that run over the floor when portable cords and cables cannot be concealed or routed away from traffic patterns. FloorTrak protects, organizes and reduces trip hazards. Four different sizes mean it will handle cables of up to 1.25 inches (31.8mm) in diameter. FT2, FT3 and FT4 are available in five PVC colors to blend with the various decors. FT10 is available in black and yellow colors only. The F10 Heavy Duty FloorTrak is ideal for applications such as industrial work areas, food processing plants and abusive areas where cable management is necessary.

NEC® is a registered trademark of the The National Electrical Code.

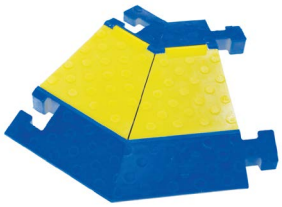
TrukTrak® Systems

Ideal for Heavy Vehicle Traffic in Industrial, Commercial or Public Applications

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors



HBLTT5B



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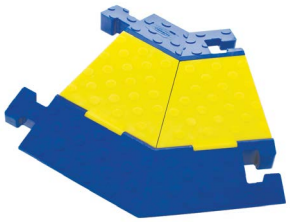
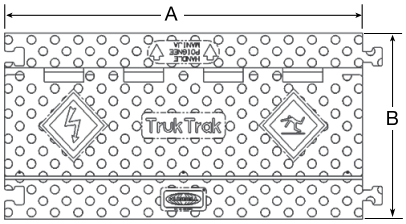


HBLTT545RB

TrukTrak® Systems	A	B	C	D	E		
		Trak			Channel		
Description	Length in. (mm)	Width in. (mm)	Height in. (mm)	Width in. (mm)	Height in. (mm)	Weight lbs. (kg)	Catalog Number
5 Channel TrukTrak®, blue and yellow.	36.0" (914)	20" (508)	2.31" (58.7)	1.25" (31.8)	1.25" (31.8)	30.60 (13.9)	**HBLTT5B**
5 Channel TrukTrak® end caps (pair only), yellow.	7.50" (190) 5.25" (133)	20" (508) 20" (508)	2.31" (58.7) 2.31" (58.7)	1.25" (31.8) 1.25" (31.8)	1.25" (31.8) 1.25" (31.8)	8.55 (3.9) 8.55 (3.9)	**HBLTT5ECB** (Female end) (Male end)
5 Channel 45° right turn TrukTrak®, blue and yellow.	25.0" (635)	20" (508)	2.31" (58.7)	1.25" (31.8)	1.25" (31.8)	15.35 (7.0)	**HBLTT545RB**
5 Channel 45° left turn TrukTrak®, blue and yellow.	25.0" (635)	20" (508)	2.31" (58.7)	1.25" (31.8)	1.25" (31.8)	14.45 (6.6)	**HBLTT545LB**
3 Channel TrukTrak®, blue and yellow.	36.0" (914)	20" (508)	3.05" (77.5)	2.25" (57.2)	2.25" (57.2)	30.85 (14.0)	**HBLTT3B**
3 Channel TrukTrak® end caps (pair only), yellow.	8.25" (209) 6.38" (162)	20" (508) 20" (508)	3.05" (77.5) 3.05" (77.5)	2.25" (57.2) 2.25" (57.2)	2.25" (57.2) 2.25" (57.2)	10.25 (4.6) 10.25 (4.6)	**HBLTT3ECB** (Female end) (Male end)
2 Channel TrukTrak®, blue and yellow.	36.0" (914)	22" (559)	4.13" (104.9)	3.25" (82.6)	3.25" (82.6)	41.00 (18.6)	**HBLTT2B**

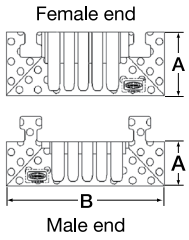
TrukTrak (Top view)



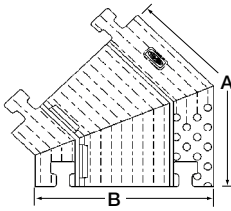
TrukTrak (Side view)



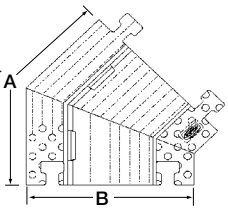
End Caps



45° Left Turn



45° Right Turn



Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols	Per ANSI Z535.3.

Load Capacity

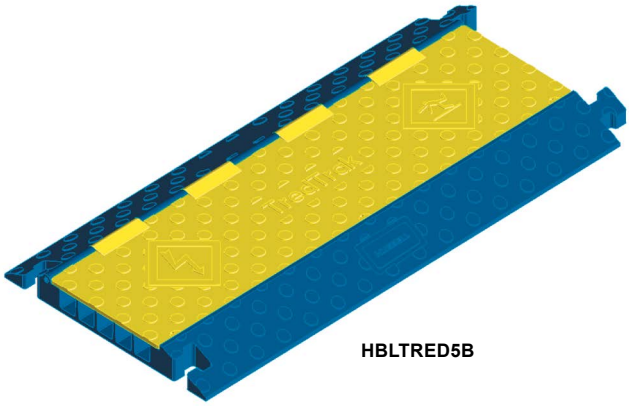
No. of Channels	Test Fixture Footprint Inches (mm)	Tire Load lbs. +/- 20%		Axle Load lbs. +/- 20%	
		70°F (21°C)	120°F (49°C)	70°F (21°C)	120°F (49°C)
5	6.9" x 17.3" (175 X 439)	20,150	9,200	40,300	18,400
3	6.9" x 17.3" (175 X 439)	14,210	4,653	28,420	9,306
2	6.9" x 17.3" (175 X 439)	10,880	2,095	21,760	4,190

Dimensions in Inches (mm)

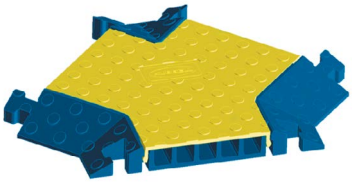
TredTrak® Systems

Improves Pedestrian Safety by Decreasing Risk of Tripping

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors



HBLTRED5B



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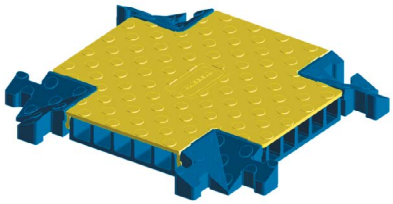
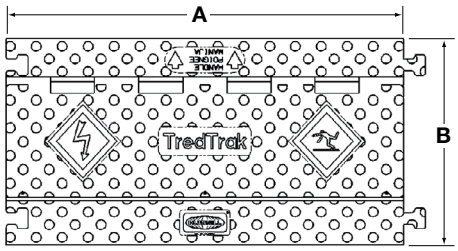


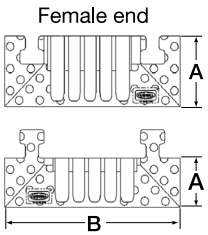
HBLTRED5XB

TredTrak® Systems	A	B	C	D	E		
	Trak			Channel			
Description	Length in. (mm)	Width in. (mm)	Height in. (mm)	Width in. (mm)	Height in. (mm)	Weight lbs. (kg)	Catalog Number
5 Channel TredTrak®, blue and yellow.	36.0" (914)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	21.15 (9.6)	**HBLTRED5B**
5 Channel TredTrak® end caps (pair only), yellow.	5.75" (146)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	6.40 (2.9)	**HBLTRED5ECB** (Female end)
	5.75" (146)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	6.40 (2.9)	(Male end)
5 Channel TredTrak® female end caps (2 females), yellow.	5.75" (146)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	6.40 (2.9)	**HBLTRED5ECFB**
5 Channel "X" fitting, blue and yellow.	17.5" (445)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	14.25 (6.5)	**HBLTRED5XB**
5 Channel "Y" fitting, blue and yellow.	17.5" (445)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	13.95 (6.3)	**HBLTRED5YB**

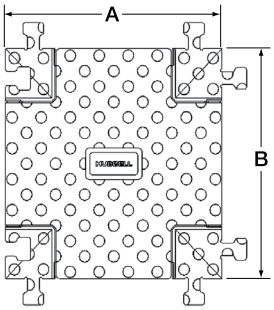
TredTrak (Top view)



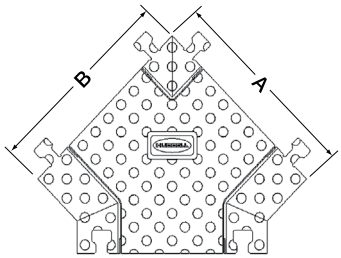
End Caps



"X" Fitting



"Y" Fitting



TredTrak (Side view)



Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols	Per ANSI Z535.3.

Load Capacity

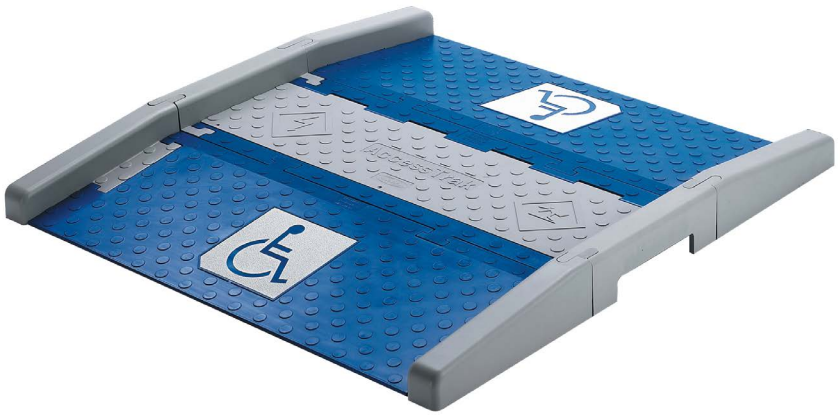
Product	Test Fixture Footprint Inches (mm)	Tire Load lbs. +/- 20%		Axle Load lbs. +/- 20%	
		70°F (21°C)	120°F (49°C)	70°F (21°C)	120°F (49°C)
TredTrak	6.9" x 17.3" (175 X 439)	10,500	6,500	21,000	13,000
"X" Fitting	6.9" x 17.3" (175 X 439)	2,900	2,300	5,800	5,600
"Y" Fitting	6.9" x 17.3" (175 X 439)	2,900	2,300	5,800	5,600

Dimensions in Inches (mm)

AccessTrak® Systems

ADA Compliant Limits Exposure of Cables and Hoses to Pedestrians

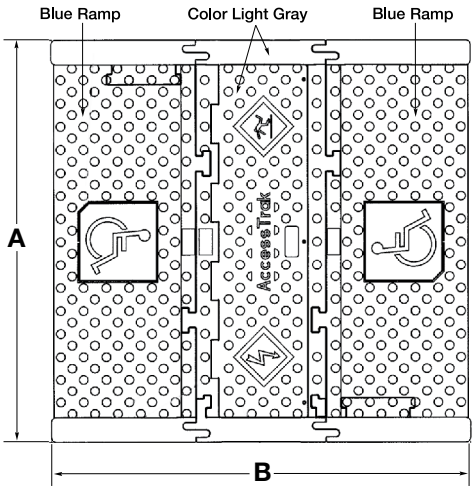
- This interlocking system provides a safe, flexible means of protecting cables and hoses in areas requiring ADA compliance
- High density polyurethane construction is weather resistant
- AccessTrak is an expandable five channel system that expands by length or width
- High visibility safety symbols on blue and gray colors



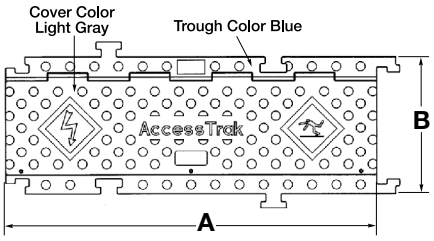
AccessTrak® System	A	B	C	D	E		
	Trak			Channel			
Description	Length in. (mm)	Width in. (mm)	Height in. (mm)	Width in. (mm)	Height in. (mm)	Weight lbs. (kg)	Catalog Number
5 Channel AccessTrak® kit*, blue and gray.	41.06" (1043.0)	42.90" (1090.0)	4.00" (102.0)	1.34" (34.0)	1.31" (33.0)	73.65 (33.41)	**HBLAT5KITA**

*Note: *Consists of (1) trough; (1) trough end rails; (1) ramps; (2 sets) ramp end rails.*

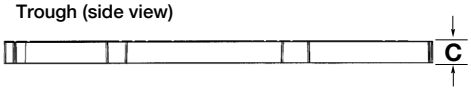
Assembled Kit
Accessibility label, blue symbol, white background



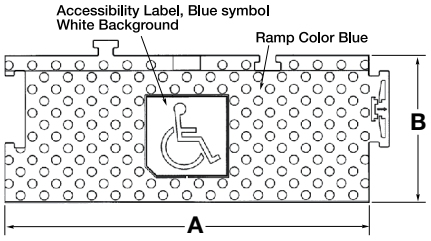
Trough (top view)



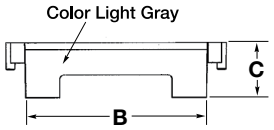
Trough (side view)



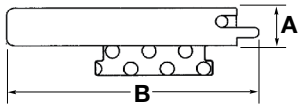
Ramp (top view)



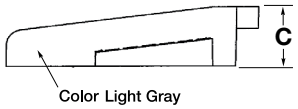
Trough End Rails (side view)



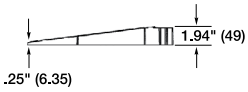
Ramp End Rails (top view)



Ramp End Rails (side view)



Ramp (side view)



Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols ADA Symbols	Per ANSI Z535.3-1991. Per ADAAG "Symbols of Accessibility"

Load Capacity

Product	Test Fixture Footprint Inches (mm)	Measured Load lbs. (N) +/- 20%	
		70°F (21°C)	120°F (49°C)
AccessTrak	7" x 7" (178 x 178)	10,000 (44,480)	8,000 (35,584)

Dimensions in Inches (mm)

ProTrak™ Systems

For Pedestrian and Light Vehicle Traffic

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety yellow and black
- Anti-slip pad kits available



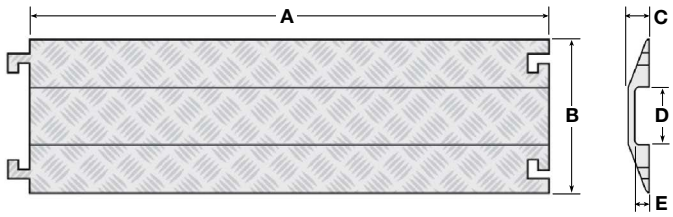
PROTRK115Y

PROTRK140BK

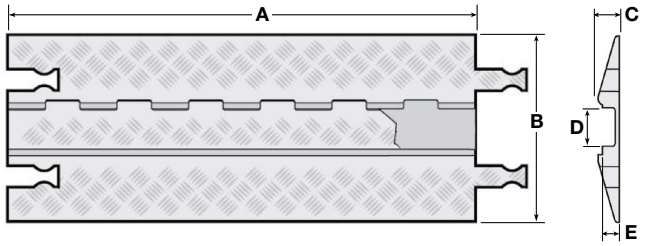
PROTRK1225Y

ProTrak™ Systems	A	B	C	D	E		
		Trak		Channel			
Description	Length in. (mm)	Width in. (mm)	Height in. (mm)	Width in. (mm)	Height in. (mm)	Weight lbs. (kg)	Catalog Number
1 Channel, drop over, yellow	36.0" (914)	5.25" (133)	.75" (19.0)	1.50" (38.1)	.50" (12.7)	3.00 (1.40)	**PROTRK115Y**
1 Channel, drop over, black	36.0" (914)	5.25" (133)	.75" (19.0)	1.50" (38.1)	.50" (12.7)	3.00 (1.40)	**PROTRK115BK**
1 Channel, drop over, yellow	36.0" (914)	10.75" (273)	1.50" (38.1)	4.00" (101.6)	1.00" (25.4)	8.00 (3.60)	**PROTRK140Y**
1 Channel, drop over, black	36.0" (914)	10.75" (273)	1.50" (38.1)	4.00" (101.6)	1.00" (25.4)	8.00 (3.60)	**PROTRK140BK**
1 Channel, hinged cover, yellow	36.0" (914)	10.81" (274)	1.25" (31.8)	2.25" (57.2)	.75" (19.0)	7.80 (3.54)	**PROTRK1225Y**
1 Channel, hinged cover, black	36.0" (914)	10.81" (274)	1.25" (31.8)	2.25" (57.2)	.75" (19.0)	7.80 (3.54)	**PROTRK1225BK**

PROTRK115 & PROTRK140 Series (Top view) (Side view)



PROTRK1225 Series (Top view) (Side view)



Accessories

ProTrak Series	Anti-Slip Pad Kits*
PROTRK115	**PROTRK1ASPK**
PROTRK140	**PROTRK2ASPK**
PROTRK1225	**PROTRK3ASPK**

*One kit per section





Load Capacity

Product	Test Fixture Footprint Inches (mm)	Tire Load lbs. +/- 20% 70°F (21°C)	Axle Load lbs. +/- 20% 70°F (21°C)
PROTRK115	6.9" x 17.3" (175 X 439)	10,500	21,000
PROTRK140	6.9" x 17.3" (175 X 439)	10,500	21,000
PROTRK1225	6.9" x 17.3" (175 X 439)	13,000	26,000

Dimensions in Inches (mm)

FloorTrak® Floor Cable Cover

For Pedestrian Traffic in Office and Public Areas

- Flexible and rigid PVC material
- Protects and reduces trip hazards
- Available in four different sizes and five PVC colors to blend with the various decors
- Withstands temperatures of 0°F to +120°F (-18°C to +49°C)



FloorTrak® 2*

Color	Length Feet	(meters)	Catalog Number
Black	10.0'	(3.05)	**FT2BK10**
Brown	10.0'	(3.05)	**FT2BR10**
Beige	10.0'	(3.05)	**FT2BG10**
Gray	10.0'	(3.05)	**FT2GY10**
Yellow	10.0'	(3.05)	**FT2Y10**



FloorTrak® 3*

Color	Length Feet	(meters)	Catalog Number
Black	5.0'	(1.52)	**FT3BK5**
Black	25.0'	(7.62)	**FT3BK25**
Brown	5.0'	(1.52)	**FT3BR5**
Brown	25.0'	(7.62)	**FT3BR25**
Beige	5.0'	(1.52)	**FT3BG5**
Beige	25.0'	(7.62)	**FT3BG25**
Gray	5.0'	(1.52)	**FT3GY5**
Gray	25.0'	(7.62)	**FT3GY25**
Yellow	5.0'	(1.52)	**FT3Y5**
Yellow	25.0'	(7.62)	**FT3Y25**



*Note: *ADA Compliant Section 4.5.2.*

FloorTrak® 4

Color	Length Feet	(meters)	Catalog Number
Black	5.0'	(1.52)	**FT4BK5**
Black	25.0'	(7.62)	**FT4BK25**
Gray	25.0'	(7.62)	**FT4GY25**
Yellow	5.0'	(1.52)	**FT4Y5**
Yellow	25.0'	(7.62)	**FT4Y25**



FloorTrak® 10 (Heavy Duty)

Color	Length Feet	(meters)	Catalog Number
Black	3.0'	(.914)	**FT10BK3**
Black	5.0'	(1.52)	**FT10BK5**
Yellow	3.0'	(.914)	**FT10Y3**
Yellow	5.0'	(1.52)	**FT10Y5**



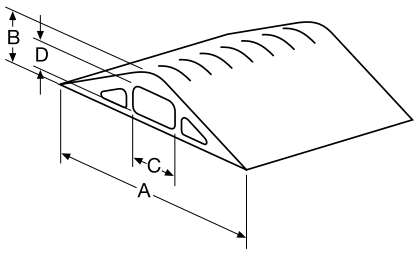
Accessories

Description	Catalog Number
1" Wide, 75' Roll Double-Sided Adhesive Tape.	**FTT1**
2" Wide, 75' Roll Double-Sided Adhesive Tape.	**FTT2**



Dimensions

FloorTrak®	FT2 in. (mm)	FT3 in. (mm)	FT4 in. (mm)	FT10 (Heavy Duty) in. (mm)
Width (A)	2.75" (69.9)	3.00" (76.2)	3.25" (82.6)	5.6" (142.24)
Height (B)	.53" (13.5)	.75" (19.1)	1.10" (27.9)	1.7" (43.18)
Center Hole (CxD)	.60" x .31" (15.2) x (7.9)	.75" x .50" (19.1) x (12.7)	1.21" x .75" (30.7) x (19.1)	1.81" x 1.25" (45.98 x 31.75)



Specifications

Material	Rigid PVC.
Operating Temperature	0°F to +120°F (-18°C to +49°C).

Dimensions in Inches (mm)

SECTION W

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Pulling Grips



Support Grips



Cord Connectors



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Products at a Glance



Pulling Grips

- The galvanized steel mesh grip provides strength for secure pulling jobs
- Endless weave allows easy installation onto cable
- Flexible or rotating eyes will mate easily with line stringing swivels for attachment to pulling lines; they have great strength for trouble free pulling jobs
- Shoulder protectors contain the cable inside the grip



Support Grips

- Solid eye assemblies provide eye reinforcement at support hardware
- Four eye styles available: single, double, universal and offset
- Identification tag shows: catalog number, diameter range, agency approval and bar code
- Available in tin coated bronze, stainless steel and non-metallic aramid fiber



Fiber Optic Cable Grips

- Pulling Grips are used for outside plant cable; they are easy to install and remove, reusable and have a slim profile for small build up
- OPTISOK® Grip is a revolutionary tool to pull pre-terminated fiber optic cables. They will protect the connectors and guide the bundle through the pulling environment
- Will support the cable's weight as it hangs in vertical, sloping or horizontal position



Strain Relief Grips

- Stainless steel mesh is corrosion resistant. Can be used inside or outside
- Multiweave grip gives cable arc-of-bend control minimizing cable damage and extending cable life
- A liquidtight fitting is available with both cable and conduit fittings; prevents liquids from running through the fitting into the enclosure



Cord Connectors

- Machined threads provide a strong positive seal; the tapered interior dome easily drives the bushing into the connector bod
- Patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief
- Lubricated neoprene bushing compresses easily for a liquidtight seal and added pull-out protection

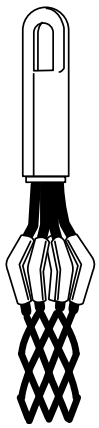


PolyTuff® Non-Metallic Liquidtight Conduit and Fittings

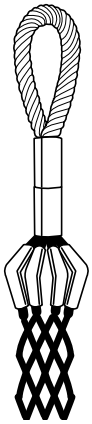
- Nylon compression nut has a tapered dome to tighten ferrule onto conduit
- Tapered, machined threads fasten securely and provide additional liquidtight sealing
- Non-integral, reusable steel, ferrule is easily installed, to seal conduit
- PVC tubing handles twists, turns, bends, switchbacks and straightaways with ease
- UL listed/recognized and CSA certified

Quick Reference Selection Guide for Grip Applications

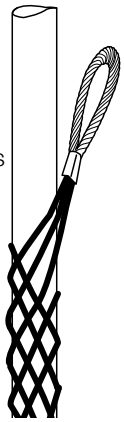
Pulling Grips



Heavy-Duty Rotating Eye
For underground wiring and overhead heavy-duty pulling of service lines and new construction cable. See pages W-8 and W-9.



Heavy-Duty Flexible Eye
For overhead transmission and distribution line stringing. See pages W-7, W-8, and W-10.

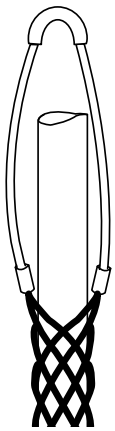


Slack Grips
For removing underground cable and pulling slack in existing cable and new installations and when end of cable is not available. See pages W-11 and W-12.

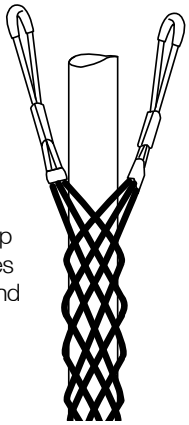


Light-Duty Flexible Eye
For light industrial pulling of electrical cable and for underground and industrial plant wiring and re-wiring. See page W-13.

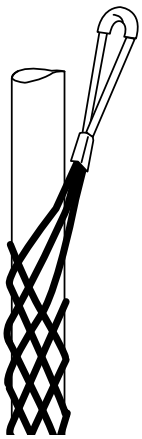
Support Grips



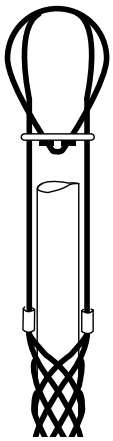
Single Eye
For single hook attachment of permanent indoor/outdoor cable. Available on heavy-duty, standard duty, and service drop grips. See pages W-20, W-24, and W-26.



Double Eye
For double hook attachment of permanent indoor/outdoor cable. Available on heavy-duty and standard duty grips. See pages W-21 and W-25.

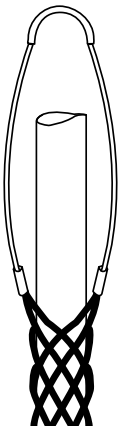


Single Offset Eye
For offset hook attachment of permanent indoor/outdoor cable. Available on standard duty and light-duty support grips. See page W-22.



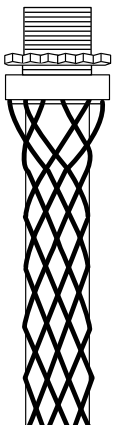
Universal Eye
Used to fasten around a structure or closed loop. Available on standard duty support and light or heavy duty service drop grips. See pages W-23 and W-27.

Support Grips

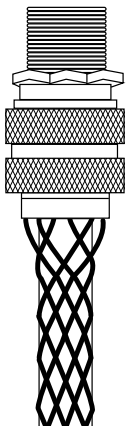


Wide Range Bus Drop
Used indoors for cable support where flexible cable connects electrical equipment to bus duct. Support air hose and water hose. See page W-28.

Strain Relief Grips



Dust-Tight Strain Relief
Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems. See page W-55.



Deluxe Cord
Indoor or outdoor use where subject to moisture, splash, or washdown. Examples are enclosures, crane hoist and pendant drop stations, hand tools, pumps, and processing equipment. Available in straight, 90°, or 45° configurations. See pages W-50 to W-54.



Liquid-Tight, Flexible Metal Conduit
Wiring of machine tools, electrical enclosures, motors, and systems subjected to vibration, flexure, motion, or strain. Available in straight, 90°, or 45° configurations. See pages W-58 to W-60.

Other Specialty Grips

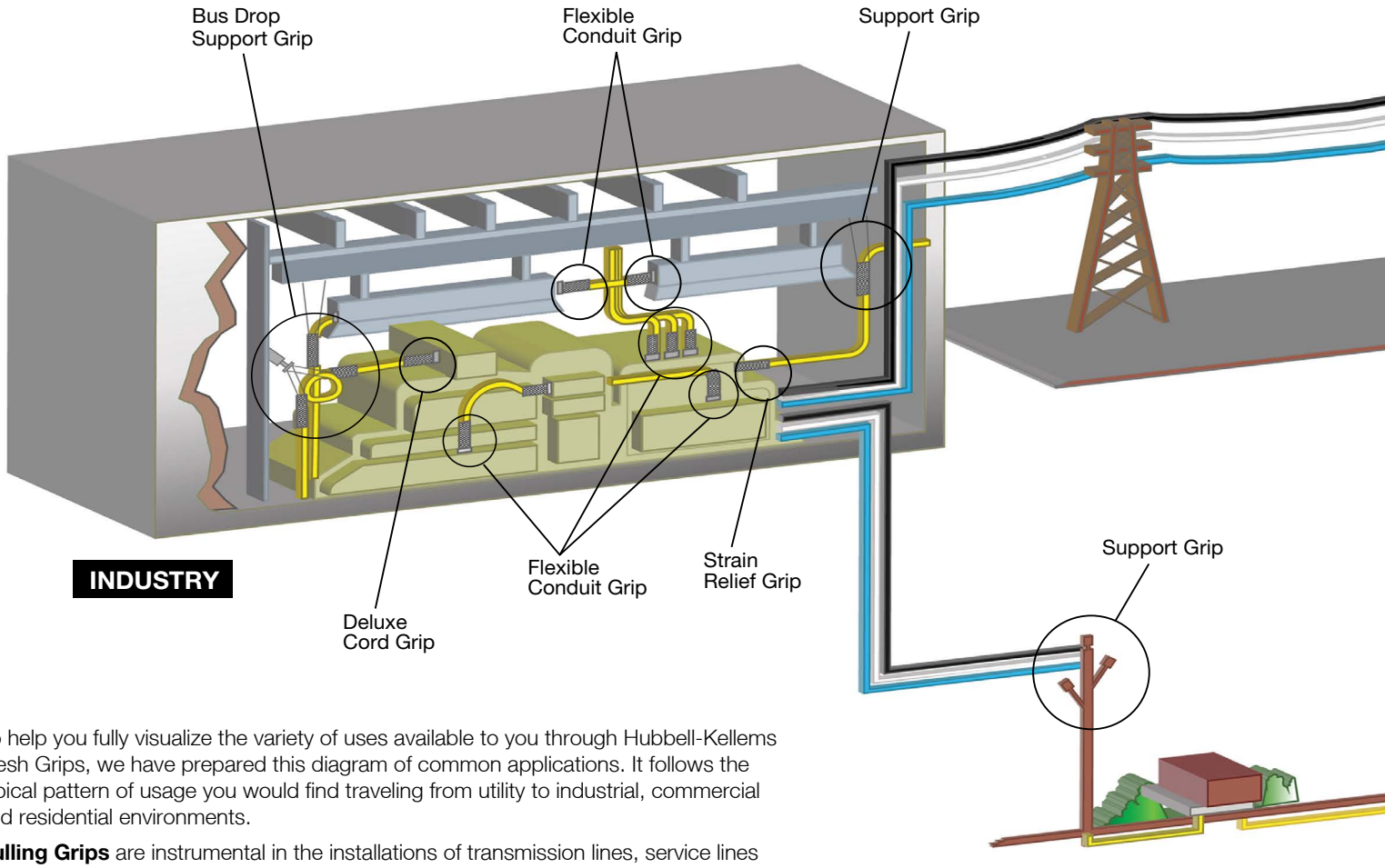
Splicing Grips
Used as temporary splice for cable and wire rope, or as reinforcement to protect cables and hoses. See pages W-14 and W-15.

Conduit Riser Grips
Ideal for supporting electrical wires inside rigid conduit via a supporting ring. See pages W-29 to W-31.

Hose Containment Grips
Used on flexible hose lines to prevent violent whipping of hose in the event of failure at the fitting. See pages W-46 and W-47.

Specifications are subject to change without notice.

Kellems® Wire Mesh Grips Diagram



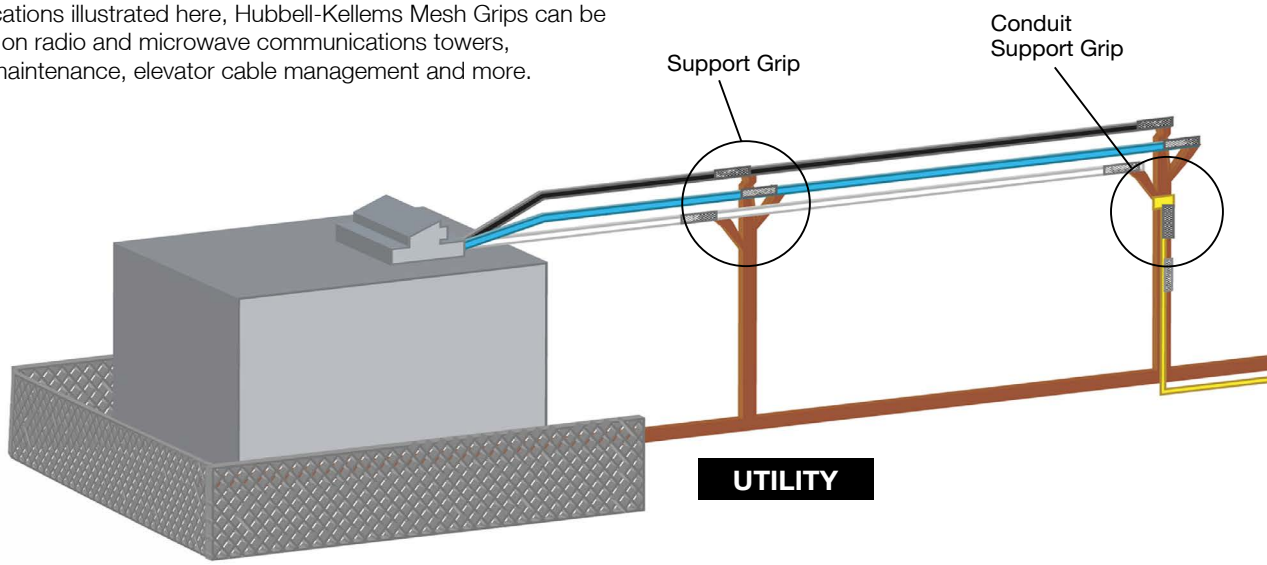
To help you fully visualize the variety of uses available to you through Hubbell-Kellems Mesh Grips, we have prepared this diagram of common applications. It follows the typical pattern of usage you would find traveling from utility to industrial, commercial and residential environments.

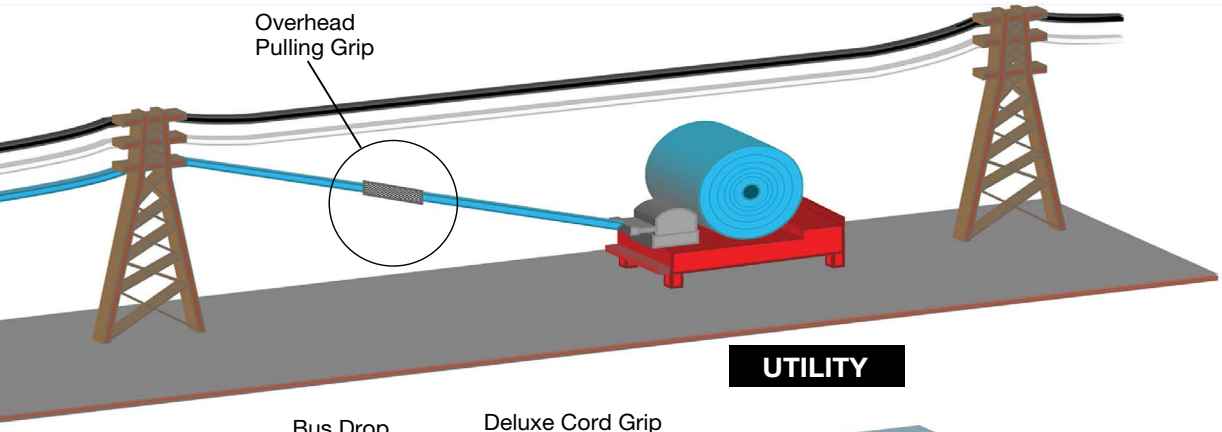
Pulling Grips are instrumental in the installations of transmission lines, service lines and cabling for construction and maintenance.

Support Grips provide holding management for indoor and outdoor permanent cable installations.

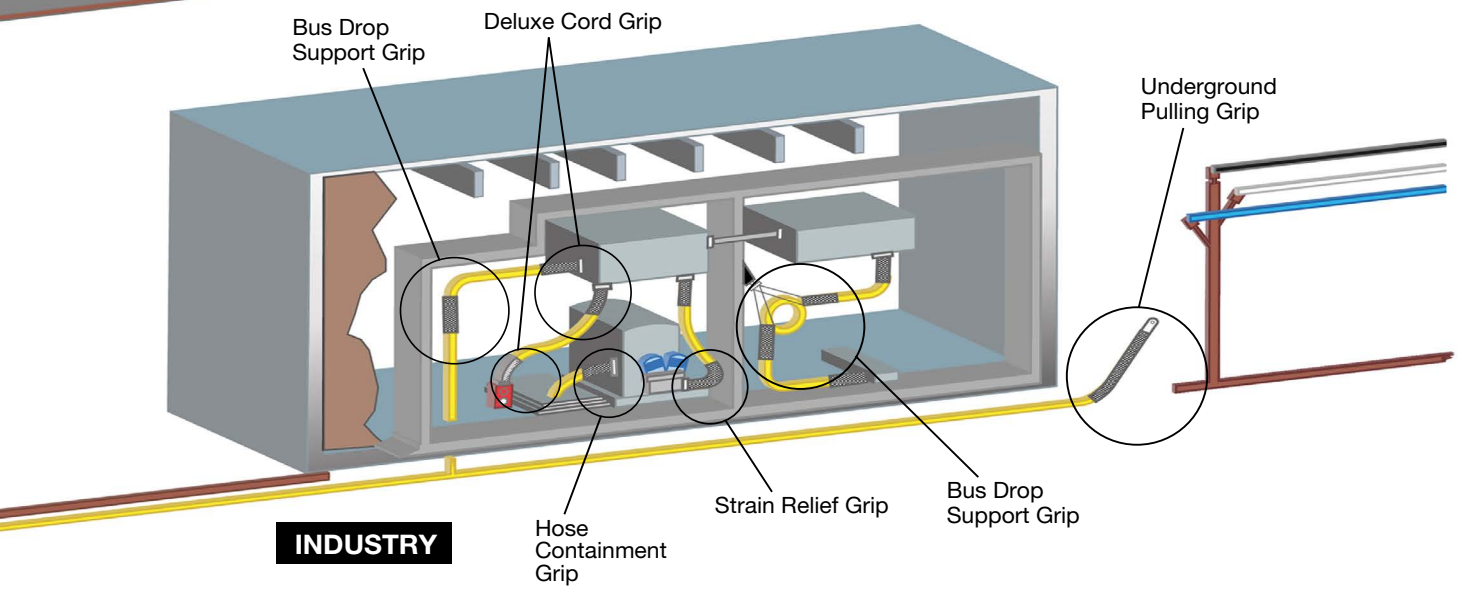
Strain Relief Grips are most often used to provide maximum reliability and minimum maintenance in areas where cords on machinery or equipment is impacted by motion or vibration or at risk of damage from cable pullout.

Beyond the electrical applications illustrated here, Hubbell-Kellems Mesh Grips can be used for wire management on radio and microwave communications towers, crane and hoist wire rope maintenance, elevator cable management and more.

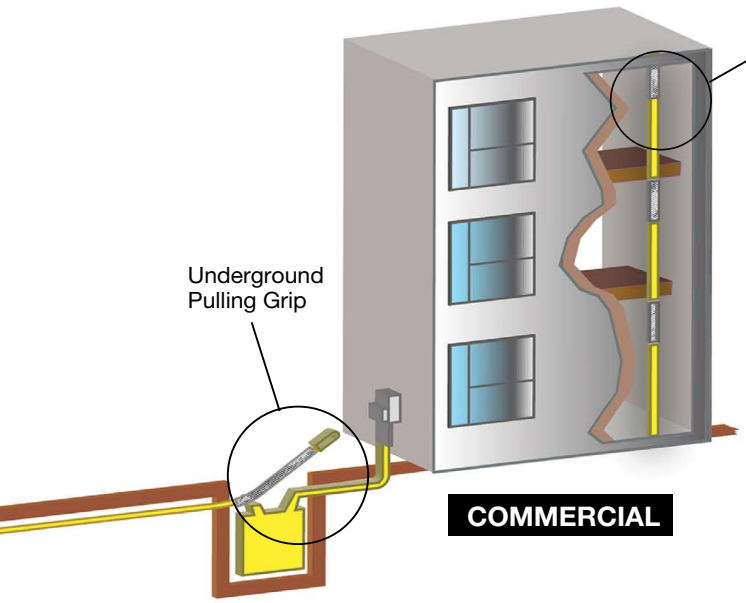




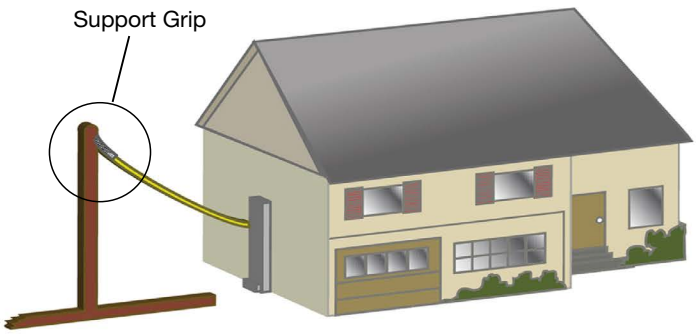
UTILITY



INDUSTRY



COMMERCIAL



RESIDENTIAL

Features and Benefits

Kellems® Pulling Grips

Pulling grips are reusable tools for pulling electrical cable, bare conductor or rope. They are easy and fast to install, providing the user with a smooth, slim profile that allows for easy passage through ducts and conduit.

These grips are made of the highest quality galvanized steel strand which assures the user of a long lasting grip. There is a Kellems Pulling Grip for every pulling job.

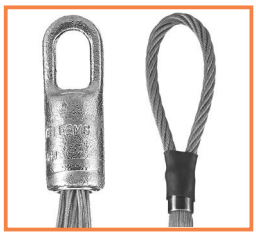
- Made of high strength galvanized steel strand
- Mesh design offers the greatest holding power for all pulling applications
- Each grip size is color coded for fast and accurate identification and selection
- Will mate with swivels





Mesh Grip

- The galvanized steel mesh grip provides strength for secure pulling jobs and a slim profile with little build-up; it has flexibility to follow cable path
- The multiweave styles available add strength for big pulling jobs and provide positive gripping power



Eye Styles

- Heavy-duty rotating eye for underground wiring and overhead heavy-duty pulling of service lines and new construction cable
- Flexible or rotating eyes will mate easily with line stringing swivels for attachment to pulling lines; they have great strength for trouble free pulling jobs



Cable Protection

- Shoulder protectors contain the cable inside the grip and smooth the passage of the grip over line stringing blocks or conduit bends; they protect the leading edge of the grip from abrasion



Accessories

- Swivels are essential to the efficiency and safety of any high tension application
- Punch-Lok® Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose
- Banding tools

DUA-PULL® Grips, Flexible Eye, Double Weave Mesh

DUA-PULL Pulling Grips are the highest strength pulling grips manufactured for overhead transmission line stringing applications. They have a dual function of working with both bare and insulated conductors and synthetic rope, not provided by any other grip. Kellems' patented two-over, two-under weave design gives exceptional strength and gripping ability by putting more steel mesh in contact with the cable or rope surfaces. **THIS IS THE ONLY PULLING GRIP RECOMMENDED FOR USE ON SYNTHETIC ROPE.**

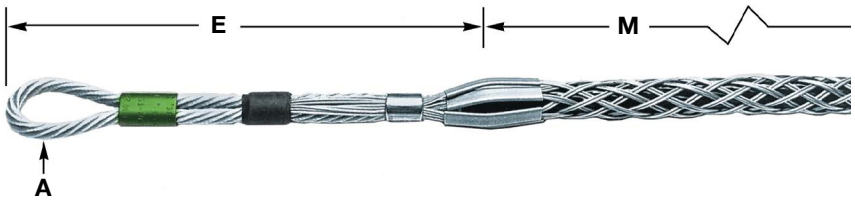
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Benefits

- Made of high strength galvanized steel strand
- Recommended for pulling bare or insulated conductor, wire rope and synthetic rope
- DUA-PULL mesh design offers the greatest holding power for all pulling applications
- Each grip size is color coded for fast and accurate identification and selection
- Will mate with swivels, see page W-16



DUA-PULL® Grips

Diameter Range		Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	A Eye Dia. Inches (cm)	Over Cable and Grip** Inches (cm)	Color Code	Catalog Number
Conductor Inches (cm)	Rope* Inches (cm)								
.19"-.37" (.48-.94)	.25"-.65" (.63-1.65)	6,500	1,300	10" (25.40)	24" (60.96)	.220" (.56)	.200" (.51)	Black	**033271037**
.38"-.62" (.97-1.57)	.50"-.90" (1.27-2.29)	14,000	2,800	12" (30.48)	36" (91.44)	.375" (.95)	.280" (.71)	Dk Green	**033271038**
.63"-.87" (1.60-2.21)	.75"-1.10" (1.90-2.79)	20,000	4,000	13" (33.02)	48" (121.92)	.437" (1.11)	.360" (.91)	Red	**033271039**
.88"-1.12" (2.24-2.84)	1.00"-1.50" (2.54-3.81)	30,600	6,120	15" (38.10)	60" (152.40)	.500" (1.27)	.500" (1.27)	Dk Blue	**033271040**
1.13"-1.37" (2.87-3.48)	1.25"-1.70" (3.17-4.32)	46,800	9,360	18" (45.72)	76" (193.04)	.625" (1.59)	.625" (1.59)	Yellow	**033271041**
1.38"-1.90" (3.51-4.38)	1.50"-2.10" (3.81-5.33)	66,500	13,300	24" (60.96)	89" (226.06)	.750" (1.90)	.750" (1.90)	Aluminum	**033271042**

Note: E = Eye length. M = Mesh length at nominal diameter.
**For rope, select smallest size grip which meets required work load.*
***Add to cable or rope diameter.*

Feed Tubes

The Kellems Feed Tube is used when assembling synthetic rope into the DUA-PULL Grip. It is required on the largest two sizes of DUA-PULL Grips. Feed Tubes are available for use on all size DUA-PULL Grips.

Benefits

- Saves time, allowing fast, easy assembly
- Can be reused if not damaged



DUA-PULL® Feed Tubes

For Use with DUA-PULL Grips	Rope Diameter Inches (cm)	Feed Tube Length Inches (cm)	Catalog Number
033271037	.25"-.65" (.63-1.65)	28" (71.12)	**091061043**
033271038	.50"-.90" (1.27-2.29)	40" (101.60)	**091061044**
033271039	.75"-1.10" (1.90-2.79)	52" (132.08)	**091061045**
033271040	1.00"-1.50" (2.54-3.81)	67" (170.18)	**091061046**
033271041	1.25"-1.70" (3.17-4.32)	83" (210.82)	**091061047**
033271042	1.50"-2.10" (3.81-5.33)	96" (243.84)	**091061048**

Note: 1. Do not run grips or swivels over bullwheels while under tension.
2. Two bands should be firmly attached approximately 1" and 2" (2.54cm and 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release, see page W-16.
3. Double braided rope, such as 2-in-1 type, should be back spliced for approximately 2/3 of the mesh length for best gripping results. Grip size should be selected by diameter of back splice.



Dimensions in Inches (mm)

Multiple Strength Style Grips

Multiple Strength Pulling Grips are designed for pulling aluminum or copper bare conductor, ground wires, messenger strands, wire rope and insulated cables. They are made of high strength galvanized steel strand and feature a multi-weave mesh construction of single, double and triple weave for firm holding power.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

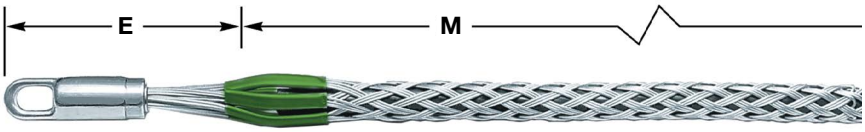
Refer to pages W-17 and W-18.

Rotating Eye Feature

Multiple Strength Grips are available with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined and will thread through blocks and sheaves without binding. **The rotating eye is not a swivel and will not turn while under tension**; it can turn to relieve pulling torque when tension is relaxed. If constant swivel action is required, a swivel should be used. For swivel dimensions, see page W-16. For rotating eye dimensions, see page W-9.

Benefits

- Economical, high strength pulling tool
- Multi-weave construction provides greater strength and holding power
- Endless Weave Grip end lies flat on the cable and will not snag



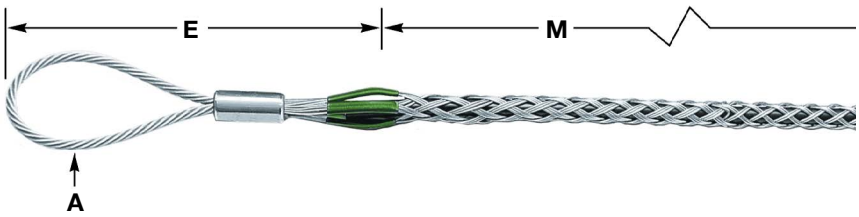
Multiple Strength Grip, Rotating Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Rotating Eye Dia. Inches (cm)	Color Code	Catalog Number
.25"-.49" (.63-1.24)	6,800	1,360	5" (12.70)	26" (66.04)	7/8" (2.22)	Dark Green	**03302016**
.50"-.74" (1.27-1.88)	10,000	2,000	6" (15.24)	32" (81.28)	1" (2.54)	Brown	**03302018**
.75"-.99" (1.90-2.51)	14,400	2,880	6" (15.24)	41" (104.14)	1" (2.54)	Light Blue	**03302020**
1.00"-1.24" (2.54-3.15)	24,600	4,920	8" (20.32)	52" (132.08)	1 3/8" (3.49)	Gold	**03302022**
1.25"-1.49" (3.17-3.78)	30,600	6,120	8" (20.32)	56" (142.24)	1 5/8" (4.13)	Black	**03302024**
1.50"-1.74" (3.81-4.42)	30,600	6,120	9" (22.86)	60" (152.40)	1 7/8" (4.76)	Red	**03302026**
1.75"-2.24" (4.44-5.69)	48,000	9,600	10" (25.40)	70" (177.80)	1 7/8" (4.76)	Dark Blue	**03302028**
2.00"-2.49" (5.08-6.32)	48,000	9,600	10" (25.40)	50" (127.00)	1 7/8" (4.76)	Yellow	**03302066**
2.50"-2.99" (6.35-7.59)	48,000	9,600	10" (25.40)	52" (132.08)	1 7/8" (4.76)	Orange	**03302097**
3.00"-3.49" (7.62-8.86)	48,000	9,600	10" (25.40)	50" (127.00)	1 7/8" (4.76)	Aluminum	**033021030**
3.50"-3.99" (8.89-10.13)	48,000	9,600	10" (25.40)	53" (134.62)	1 7/8" (4.76)	Light Green	**033021031**

Note: E- Eye length M-Mesh length at nominal diameter.

Flexible Eye Feature

Multiple Strength Grips are also available with a flexible, patented wire rope eye. This compact eye will mate with a swivel, and pass through blocks and sheaves without binding.



Multiple Strength Grip, Flexible Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	A Eye Dia. Inches (cm)	Color Code	Catalog Number
.25"-.49" (.63-1.24)	6,800	1,360	9" (22.86)	26" (66.04)	1/4" (.63)	Dark Green	**03302044**
.50"-.74" (1.27-1.88)	10,000	2,000	9" (22.86)	32" (81.28)	5/16" (.79)	Brown	**03302046**
.75"-.99" (1.90-2.51)	14,400	2,880	11" (27.94)	41" (104.14)	3/8" (.95)	Light Blue	**03302048**
1.00"-1.24" (2.54-3.15)	24,600	4,920	12" (30.48)	52" (132.08)	1/2" (1.27)	Gold	**03302050**
1.25"-1.49" (3.17-3.78)	30,600	6,120	12" (30.48)	56" (142.24)	1/2" (1.27)	Black	**03302052**
1.50"-1.74" (3.81-4.42)	30,600	6,120	12" (30.48)	60" (152.40)	1/2" (1.27)	Red	**03302054**
1.75"-2.24" (4.44-5.69)	48,000	9,600	18" (45.72)	70" (177.80)	5/8" (1.59)	Dark Blue	**03302056**
2.00"-2.49" (5.08-6.32)	48,000	9,600	18" (45.72)	50" (127.00)	5/8" (1.59)	Yellow	**033021078**
2.50"-2.99" (6.35-7.59)	48,000	9,600	18" (45.72)	52" (132.08)	5/8" (1.59)	Orange	**033021079**
3.00"-3.49" (7.62-8.86)	48,000	9,600	18" (45.72)	50" (127.00)	5/8" (1.59)	Aluminum	**033021080**
3.50"-3.99" (8.89-10.13)	48,000	9,600	18" (45.72)	53" (134.62)	5/8" (1.59)	Light Green	**033021081**

Note: E- Eye length. M-Mesh length at nominal diameter.

1. *Do not run grips or swivels over bullwheels while under tension.*
2. *Two bands should be firmly attached approximately 1" and 2" (2.54cm and 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release, see page W-16.*

Dimensions in Inches (mm)

K-Type Grips

Kellems® Rotating Eye, K-Type Pulling Grips are made of high strength galvanized steel strand. All Grips feature double weave mesh for greater strength and added mesh contact on the table, to handle longer or heavier pulling jobs. The forged eye mates easily with a swivel or shackle.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Rotating Eye Feature

K-Type Grips come equipped with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined, and will thread through blocks and sheaves without binding. **The rotating eye is not a swivel and will not turn while under tension**; it can turn to relieve pulling torque when the tension is relaxed. If constant swivel action is required, a swivel should be used. For swivel dimensions, see page W-16. For rotating eye dimensions, see below.

Benefits

- An economical tool for pulling cable
- Safe, rugged and dependable
- Equipped with a rotating eye for spin out of pulling torque after load release
- Easily installed and removed



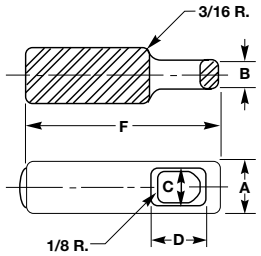
K-Type Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Rotating Eye Dia. Inches (cm)	Catalog Number
Short						
.50"-.62" (1.27-1.57)	5,600	1,120	5" (12.70)	11" (27.94)	7/8" (2.22)	**03301001**
.63"-.74" (1.60-1.88)	6,800	1,360	5" (12.70)	11" (27.94)	7/8" (2.22)	**03301002**
.75"-.99" (1.90-2.51)	6,800	1,360	6" (15.24)	20" (50.80)	1" (2.54)	**03301013**
1.00"-1.24" (2.54-3.15)	12,800	2,560	7" (17.78)	20" (50.80)	1 3/8" (3.49)	**03301014**
1.25"-1.49" (3.17-3.78)	12,800	2,560	7" (17.78)	21" (53.34)	1 3/8" (3.49)	**03301016**
1.50"-1.99" (3.81-5.05)	16,400	3,280	7" (17.78)	25" (63.50)	1 3/8" (3.49)	**03301017**
2.00"-2.49" (5.08-6.32)	27,200	5,440	8" (20.32)	26" (66.04)	1 5/8" (4.13)	**03301018**
2.50"-2.99" (6.35-7.59)	33,000	6,600	10" (25.40)	28" (71.12)	1 7/8" (4.76)	**03301019**
3.00"-3.49" (7.62-8.86)	41,000	8,200	10" (25.40)	30" (76.20)	1 7/8" (4.76)	**03301020**
3.50"-3.99" (8.89-10.13)	48,000	9,600	10" (25.40)	32" (81.28)	1 7/8" (4.76)	**03301021**
4.00"-4.49" (10.16-11.40)	48,000	9,600	10" (25.40)	33" (83.82)	1 7/8" (4.76)	**033011017**
Standard						
.50"-.62" (1.27-1.57)	5,600	1,120	5" (12.70)	16" (40.64)	7/8" (2.22)	**03301011**
.63"-.74" (1.60-1.88)	6,800	1,360	5" (12.70)	16" (40.64)	7/8" (2.22)	**03301012**
.75"-.99" (1.90-2.51)	9,600	1,920	6" (15.24)	32" (81.28)	1" (2.54)	**03301024**
1.00"-1.49" (2.54-3.78)	16,400	3,280	7" (17.78)	33" (83.82)	1 3/8" (3.49)	**03301025**
1.50"-1.99" (3.81-5.05)	16,400	3,280	7" (17.78)	34" (86.36)	1 3/8" (3.49)	**03301026**
2.00"-2.49" (5.08-6.32)	27,200	5,440	9" (22.86)	36" (91.44)	1 5/8" (4.13)	**03301027**
2.50"-2.99" (6.35-7.59)	33,000	6,600	10" (25.40)	38" (96.52)	1 7/8" (4.76)	**03301028**
3.00"-3.49" (7.62-8.86)	41,000	8,200	10" (25.40)	39" (99.06)	1 7/8" (4.76)	**03301029**
3.50"-3.99" (8.89-10.13)	48,000	9,600	10" (25.40)	41" (104.14)	1 7/8" (4.76)	**03301030**
4.00"-4.49" (10.16-11.40)	48,000	9,600	10" (25.40)	42" (106.68)	1 7/8" (4.76)	**03301031**
4.50"-4.99" (11.43-12.67)	48,000	9,600	10" (25.40)	58" (147.32)	1 7/8" (4.76)	**03301039**
5.00"-5.99" (12.70-15.21)	40,000	8,000	10" (25.40)	60" (152.40)	1 7/8" (4.76)	**03301047**
6.00"-6.99" (15.24-17.75)	48,000	9,600	10" (25.40)	66" (167.64)	1 7/8" (4.76)	**03301045**

Note: E- Eye length. M-Mesh length at nominal diameter.
See page W-18 for multiple cables in a single pulling grip.

Rotating Eye Dimensions

Rotating Eye Dimensions Inches (cm)	A	B	C	D	F
7/8" (2.22)	7/8" (2.22)	9/32" (.71)	1/2" (1.27)	7/8" (2.22)	2 5/8" (6.67)
1" (2.54)	1" (2.54)	1/2" (1.27)	9/16" (1.43)	13/16" (2.06)	3 1/2" (8.89)
1 3/8" (3.49)	1 3/8" (3.49)	1/2" (1.27)	11/16" (1.75)	1" (2.54)	4 1/2" (11.43)
1 5/8" (4.13)	1 5/8" (4.13)	5/8" (1.59)	7/8" (2.22)	1 3/16" (3.02)	5 5/16" (13.49)
1 7/8" (4.76)	1 7/8" (4.76)	21/32"(1.67)	1" (2.54)	1 3/8" (3.49)	6 1/8" (15.56)



Dimensions in Inches (mm)

T-Type Grips

Kellems® Flexible T-Type Pulling Grips are made of high strength galvanized steel strand. They feature double weave mesh for positive holding power in medium to heavy pulling jobs. The grip eye will easily attach to a swivel.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

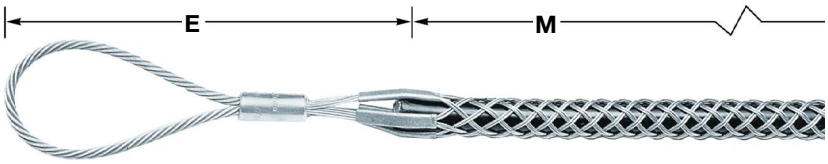
Refer to pages W-17 and W-18.

Application

T-Type Pulling Grips are used for the installation of underground power cables, communication lines and service lines into factories, construction projects and for general underground electrical construction. Available in two mesh lengths, short for medium pulls and standard for general purpose pulling.

Benefits

- Will pull a single cable or cable bundles
- Patented flexible eye design provides flexibility to follow line of pull
- A dependable, reusable pulling tool
- Easily installed and removed
- Mates easily with a swivel, see page W-16



T-Type Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Short					
.50"-.62" (1.27-1.57)	4,500	900	8" (20.32)	21" (53.34)	**033041082**
.63"-.74" (1.60-1.88)	5,600	1,120	8" (20.32)	24" (60.96)	**033041083**
.75"-.99" (1.90-2.51)	6,800	1,360	9" (22.86)	24" (60.96)	**033041084**
1.00"-1.49" (2.54-3.78)	9,600	1,920	9" (22.86)	24" (60.96)	**033041085**
1.50"-1.99" (3.81-5.05)	16,400	3,280	11" (27.94)	24" (60.96)	**033041086**
2.00"-2.49" (5.08-6.32)	18,500	3,700	12" (30.48)	24" (60.96)	**033041087**
2.50"-2.99" (6.35-7.59)	24,500	4,900	12" (30.48)	24" (60.96)	**033041088**
3.00"-3.49" (7.62-8.86)	24,500	4,900	14" (35.56)	24" (60.96)	**033041089**
3.50"-3.99" (8.89-10.13)	31,000	6,200	14" (35.56)	26" (66.04)	**033041090**
Standard					
.75"-.99" (1.90-2.51)	6,800	1,360	9" (22.86)	36" (91.44)	**033041091**
1.00"-1.49" (2.54-3.78)	9,600	1,920	9" (22.86)	36" (91.44)	**033041092**
1.50"-1.99" (3.81-5.05)	16,400	3,280	11" (27.94)	36" (91.44)	**033041093**
2.00"-2.49" (5.08-6.32)	18,500	3,700	12" (30.48)	36" (91.44)	**033041094**
2.50"-2.99" (6.35-7.59)	24,500	4,900	12" (30.48)	36" (91.44)	**033041095**
3.00"-3.49" (7.62-8.86)	24,500	4,900	14" (35.56)	36" (91.44)	**033041096**
3.50"-3.99" (8.89-10.13)	31,000	6,200	14" (35.56)	40" (101.60)	**033041097**

Note: E- Eye length. M-Mesh length at nominal diameter.
See page W-18 for multiple cables in a single pulling grip.

Dimensions in Inches (mm)

Non-Conductive Grips

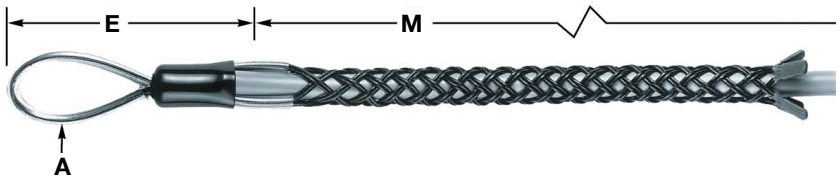
Kellems® Non-Conductive Pulling Grips, made of a high strength, non-conductive aramid fiber, are available for pulling single cable or cable bundles. Their braided double weave design adds strength and positive holding power.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Benefits

- Color coded for fast on-site selection
- Extra flexibility for easy installation
- Non-metallic mesh provides for safe pulls over "hot" areas
- Pellethane jacketed aramid fiber mesh resists abrasion
- Grips are corrosion resistant



Non-Conductive Grips, Single Eye, Double Weave, Non-Metallic

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	A Inches (cm)	Color Code	Catalog Number
.50"-.62" (1.27-1.57)	1,000	200	5.5" (13.97)	24" (60.96)	.44" (1.12)	Green	**03628001**
.63"-.74" (1.60-1.88)	2,000	400	5.5" (13.97)	26" (66.04)	.44" (1.12)	Yellow	**03628002**
.75"-.99" (1.90-2.51)	2,000	400	6.0" (15.24)	31" (78.74)	.63" (1.60)	Red	**03628003**
1.00"-1.24" (2.54-3.15)	3,000	600	6.5" (16.51)	36" (91.44)	.63" (1.60)	Blue	**03628004**
1.25"-1.49" (3.17-3.78)	3,000	600	6.7" (17.02)	41.5" (105.41)	.63" (1.60)	White	**03628005**
1.50"-1.99" (3.81-5.05)	3,000	600	8.0" (20.32)	44.0" (121.76)	.63" (1.60)	Pink	**03628006**

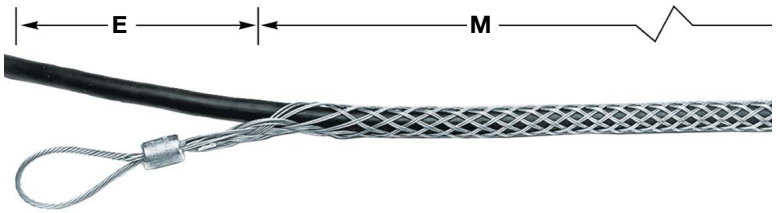
Note: E- Eye length. M-Mesh length at nominal diameter.
Taping is required to guard against accidental release and to insure maximum reliability. Apply vinyl plastic electrical tape starting 2" to 3" (5.08cm to 7.62cm) from the tail of the grip onto 2" to 3" (5.08cm to 7.62cm) of cable.

Slack Pulling Grips

Slack Pulling Grips are offered in three styles made of galvanized steel. The closed type is used when the cable end is accessible. When not accessible, there are split lace and split rod closing styles. All grips feature a single offset eye for easy attachment to a pulling line.

Benefits

- Easy attachment to pulling lines
- Galvanized steel for strength



Slack Grip-Closed Mesh, Offset Eye, Double Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Standard					
.75"-.99" (1.90-2.51)	2,600	520	7" (17.78)	12" (30.48)	**03308003**
1.00"-1.24" (2.54-3.15)	4,000	800	8" (20.32)	15" (38.10)	**03308004**
1.25"-1.49" (3.17-3.78)	5,400	1,080	8" (20.32)	16" (40.64)	**03308005**
1.50"-1.74" (3.81-4.42)	6,600	1,320	8" (20.32)	20" (50.80)	**03308006**
1.75"-1.99" (4.44-5.05)	10,000	2,000	10" (25.40)	18" (45.72)	**03308007**
2.00"-2.49" (5.08-6.32)	11,000	2,200	10" (25.40)	19" (48.26)	**03308008**
2.50"-2.99" (6.35-7.59)	11,000	2,200	10" (25.40)	20" (50.80)	**03308009**
3.00"-3.49" (7.62-8.86)	14,500	2,900	12" (30.48)	21" (53.34)	**03308010**
3.50"-3.99" (8.89-10.13)	14,500	2,900	12" (30.48)	22" (55.88)	**03308011**

Note: E- Eye length. M-Mesh length at nominal diameter.
See page W-18 for multiple cables in a single pulling grip.

Dimensions in Inches (mm)

Slack Pulling Grips

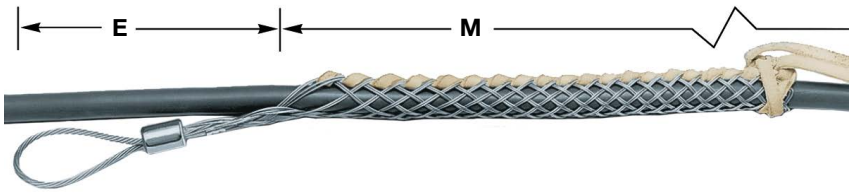
Slack Pulling Grips are offered in three styles made of galvanized steel. The closed type is used when the cable end is accessible. When not accessible, there are split lace and split rod closing styles. All grips feature a single offset eye for easy attachment to a pulling line.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Benefits

- Easy attachment to pulling lines
- Reusable rawhide lace for lace closure
- Galvanized steel for strength

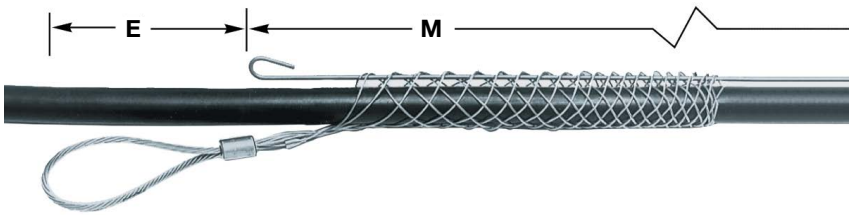


Slack Grip-Split Mesh, Rawhide Lace Closing, Offset Eye, Double Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Standard					
.75"-.99" (1.90-2.51)	2,500	500	7" (17.78)	12" (30.48)	**03309003**
1.00"-1.24" (2.54-3.15)	3,500	700	8" (20.32)	15" (38.10)	**03309004**
1.25"-1.49" (3.17-3.78)	4,000	800	8" (20.32)	16" (40.64)	**03309005**
1.50"-1.74" (3.81-4.42)	4,000	800	9" (22.86)	17" (43.18)	**03309006**
1.75"-1.99" (4.44-5.05)	4,000	800	10" (25.40)	18" (45.72)	**03309007**
2.00"-2.49" (5.08-6.32)	4,000	800	10" (25.40)	19" (48.26)	**03309008**
2.50"-2.99" (6.35-7.59)	4,000	800	10" (25.40)	20" (50.80)	**03309009**
Long					
1.50"-1.99" (3.81-5.05)	4,000	800	9" (22.86)	25" (63.50)	**03309015**
2.00"-2.49" (5.08-6.32)	4,000	800	10" (25.40)	26" (66.04)	**03309016**
2.50"-2.99" (6.35-7.59)	4,000	800	10" (25.40)	29" (73.66)	**03309017**
3.00"-3.49" (7.62-8.86)	4,000	800	12" (30.48)	32" (81.28)	**03309018**
3.50"-3.99" (8.89-10.13)	4,000	800	12" (30.48)	35" (88.90)	**03309019**

Benefits

- Easy attachment to pulling lines
- Galvanized steel for strength



Slack Grip-Split Mesh, Rod Closing, Offset Eye, Single Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.50"-.61" (1.27-1.55)	1,500	300	7" (17.78)	6" (15.24)	**03310001**
.62"-.74" (1.57-1.88)	1,800	360	7" (17.78)	8" (20.32)	**03310002**
.75"-.99" (1.90-2.51)	2,200	440	7" (17.78)	10" (25.40)	**03310003**
1.00"-1.24" (2.54-3.15)	3,400	680	8" (20.32)	12" (30.48)	**03310004**
1.25"-1.49" (3.17-3.78)	4,500	900	8" (20.32)	14" (35.56)	**03310005**
1.50"-1.74" (3.81-4.42)	5,800	1,160	9" (22.86)	15" (38.10)	**03310006**
1.75" -1.99" (4.44-5.05)	7,600	1,520	10" (25.40)	16" (40.64)	**03310007**
2.00"-2.49" (5.08-6.32)	9,000	1,800	10" (25.40)	19" (48.26)	**03310008**
2.50"-2.99" (6.35-7.59)	11,000	2,200	10" (25.40)	20" (50.80)	**03310009**
3.00"-3.49" (7.62-8.86)	12,000	2,400	12" (30.48)	21" (53.34)	**03310010**
3.50"-3.99" (8.89-10.13)	12,000	2,400	12" (30.48)	24" (60.96)	**03310011**

Note: E- Eye length. M-Mesh length at nominal diameter.
1. Replacement rawhide lace. Catalog number 20920002.
2. See page W-35 for lace and rod closing instructions.
See page W-18 for multiple cables in a single pulling grip.

Dimensions in Inches (mm)

Light Duty Grips

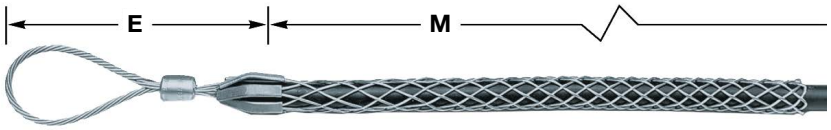
Light Duty Grips are made of galvanized steel in a single weave construction. They feature a flexible eye for easy attachment to a pulling line.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Benefits

- Perfect tools for light pulling jobs
- Installs easily on cable
- Strong galvanized steel construction



Light Duty Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Short					
.50"-.62" (1.27-1.57)	2,800	560	5" (12.70)	11" (27.94)	**03303001**
.63"-.74" (1.60-1.88)	2,800	560	5" (12.70)	11" (27.94)	**03303002**
.75"-.99" (1.90-2.51)	4,000	800	6" (15.24)	12" (30.48)	**03303003**
1.00"-1.24" (2.54-3.15)	5,300	1,060	7" (17.78)	13" (33.02)	**03303004**
1.25"-1.49" (3.17-3.78)	5,300	1,060	7" (17.78)	14" (35.56)	**03303005**
1.50"-1.74" (3.81-4.42)	6,800	1,360	8" (20.32)	15" (38.10)	**03303006**
1.75"-1.99" (4.44-5.05)	8,500	1,700	9" (22.86)	17" (43.18)	**03303007**
2.00"-2.49" (5.08-6.32)	8,500	1,700	9" (22.86)	18" (45.72)	**03303008**
Standard					
.50"-.62" (1.27-1.57)	2,800	560	5" (12.70)	16" (40.64)	**03303010**
.63"-.74" (1.60-1.88)	2,800	560	5" (12.70)	16" (40.64)	**03303011**
.75"-.99" (1.90-2.51)	4,000	800	6" (15.24)	20" (50.80)	**03303012**
1.00"-1.24" (2.54-3.15)	6,800	1,360	7" (17.78)	20" (50.80)	**03303013**
1.25"-1.49" (3.17-3.78)	6,800	1,360	7" (17.78)	21" (53.34)	**03303015**
1.50"-1.99" (3.81-5.05)	6,800	1,360	8" (20.32)	23" (58.42)	**03303016**
2.00"-2.49" (5.08-6.32)	8,500	1,700	9" (22.86)	25" (63.50)	**03303017**
2.50"-2.99" (6.35-7.59)	10,600	2,120	9" (22.86)	27" (68.58)	**03303018**
3.00"-3.49" (7.62-8.86)	14,700	2,940	10" (25.40)	30" (76.20)	**03303019**
3.50"-3.99" (8.89-10.13)	14,700	2,940	10" (25.40)	32" (81.28)	**03303029**

Junior Pulling Grips

Junior Pulling Grips feature a strong galvanized steel, single weave mesh. A flexible eye easily attaches to a pulling line, snake or fish tape.

Benefits

- Installs easily over building wire
- Strong secure grip
- Reusable
- Pulls single cable or cable bundles



Junior Pulling Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Model	Catalog Number
.19"-.24" (.48-.61)	400	80	3¼" (8.25)	4¼" (10.79)	J19	**03305011***
.25"-.37" (.63-.94)	450	90	3¼" (8.25)	4¼" (10.79)	J25	**03305001**
.38"-.49" (.97-1.24)	900	180	3¾" (9.52)	7" (17.78)	J37	**03305002**
.50"-.62" (1.27-1.57)	1,300	260	4¼" (10.79)	8½" (21.59)	J50	**03305003**
.63"-.74" (1.60-1.88)	1,950	390	5" (12.70)	10" (25.40)	J62	**03305004**
.75"-.99" (1.90-2.51)	2,800	560	5¾" (14.60)	10" (25.40)	J75	**03305005**
1.00"-1.24" (2.54-3.15)	3,900	780	6½" (16.51)	11½" (29.21)	J100	**03305006**
Junior Grip Kit contains 6 grips, one of each size above, except 03305011.						**033051114**

Note: E- Eye length. M-Mesh length at nominal diameter.
**Not included in Junior Grip Kit, 033051114.*
See page W-18 for multiple cables in a single pulling grip.

Dimensions in Inches (mm)

Wire Rope Grips

Wire Rope Grips are made of high strength galvanized steel strand in a construction of triple, double and single weave for superior gripping ability. They are available with or without a rotating barrel which will help eliminate twist in the old rope from being transferred to the new rope.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Benefits

- High strength for secure pulling
- Easy installation
- Flexible to pass through sheaves and blocks

Application

Wire Rope Grips are used for changing wire rope on oil derricks, large cranes, overhead cranes and drag lines. It provides a quick, safe, inexpensive temporary splice. By installing the used wire rope in one end and the new rope in the other, the new wire rope can be pulled in as the old one is pulled out.



Regular Wire Rope Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Approx. Strength of Grip Feet (m)	Catalog Number
.56"-.62" (1.43-1.59)	7,500	1,500	5.75 (1.75)	**03316001**
.75"-.88" (1.90-2.22)	12,500	2,500	6.75 (1.90)	**03316002**
1.00"-1.13" (2.54-2.86)	16,000	3,200	7.00 (2.13)	**03316003**
1.25"-1.38" (3.17-3.49)	20,000	4,000	8.00 (2.44)	**03316004**
1.38"-1.50" (3.49-3.81)	20,000	4,000	8.00 (2.44)	**03316006**



Rotating Wire Rope Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Approx. Strength of Grip Feet (m)	Barrel Dimensions Length. x O.D. In. (cm)	Catalog Number
.44"-.50" (1.11-1.27)	5,000	1,000	5.33 (1.63)	3.00" (7.62) x .87" (2.21)	**03317001**
.56"-.63" (1.43-1.59)	7,500	1,500	5.83 (1.78)	4.25" (10.79) x 1.00" (2.54)	**03317002**
.75"-.88" (1.90-2.22)	12,500	2,500	6.50 (1.98)	4.25" (10.79) x 1.00" (2.54)	**03317003**
1.00"-1.13" (2.54-2.86)	16,000	3,200	8.67 (2.64)	5.50" (13.97) x 1.37" (3.48)	**03317004**
1.25"-1.38" (3.17-3.49)	20,000	4,000	9.00 (2.74)	5.50" (13.97) x 1.37" (3.48)	**03317005**
1.50"-1.75" (3.81-4.44)	20,000	4,000	11.00 (3.35)	5.50" (13.97) x 1.37" (3.48)	**03317006**

Note: 1. During installation each end of the grip should be banded and taped down securely over the rope to insure smooth passage through sheaves and to guard against accidental release. See page W-16 for end bands.
2. The rotating barrel is not a swivel and will not turn while under tension. It can turn to relieve pulling torque when tension is relaxed.

Dimensions in Inches (mm)

Cable Splicing Grips

Splicing Grips are made of galvanized steel in double weave mesh construction. They are available in various lengths and sizes to suit most applications.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Benefits

- Easily installed or removed
- Galvanized steel construction for strength
- Flexible to follow cable path

Application

Splicing Grips are used as a temporary splice for rope, cable or wire rope. They can also be used as cable reinforcement and can act as a shield to protect cables and hoses from abrasion.



Double Weave Splicing Grips

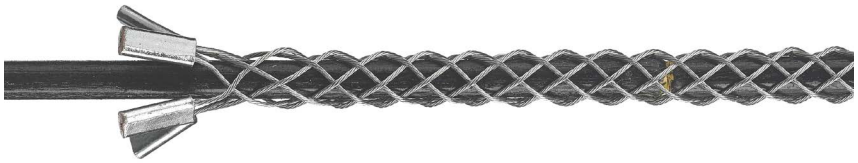
Cable Diameter Range Inches (cm)	.37"-.49" (.94-1.24)	.50"-.61" (1.27-1.55)	.62"-.74" (1.57-1.88)	.75"-.99" (1.90-2.51)	1.00"-1.49" (2.54-3.78)
Approx. Breaking Strength Lbs.	3,500	3,500	4,400	7,500	10,000
Mesh Length Inches (cm)	Catalog Number				
18" (45.72)	**013041330**	**01304064**	**01304009**	—	—
24" (60.96)	—	**01304011**	**01304013**	**01304010**	**01304015**
36" (91.44)	—	—	**013041234**	**01304054**	**01304055**
48" (121.92)	—	—	—	**01304017**	**01304029**
72" (182.88)	—	—	—	**01304037**	**013041333**

Junior Splicing Grips, Single Weave

Junior Splicing Grips are made of galvanized steel and are designed for use in very light duty and small splicing jobs.

Benefits

- Easily installed or removed
- Galvanized steel construction for strength
- Flexible to follow cable path



Junior Tube

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Length @ Nom Diameter Inches (cm)	Catalog Number
.18"-.24" (.46-.61)	400	80	7" (17.78)	**01301008**
.25"-.36" (.63-.91)	400	80	8" (20.32)	**01301013**

Note: 1. During installation each end of the grip should be banded and taped down securely over the rope to insure smooth passage through sheaves and to guard against accidental release. See page W-16 for end bands.

Dimensions in Inches (mm)

Punch-Lok® Bands

Punch-Lok Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose. Also, they assure full gripping action by locking the mesh of the tail in tight contact with the cable or rope.






When the tail of a grip is the leading end, the bands are particularly important to prevent accidental release caused by tripping on obstructions. A conductor-to-conductor (double-socking) pulling operation is a good example: where two grips connect two conductors to form a temporary splice. In all cases two Punch-Lok® Bands should be double wrapped approximately one inch to two inches (2.54cm to 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release. It is also common practice to tape over the banded tail area to assure smooth passage through the sheaves. The conductor should be installed in the grip up to the elbows of the aluminum shoulders in order to assure full and complete gripping action as illustrated above.


20320054


20320048


20320047

Punch-Lok® Bands

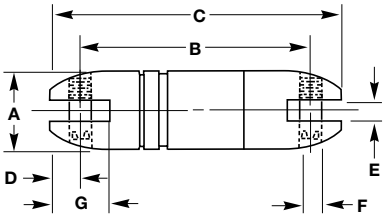
Grip Banding Range Inches (cm)	Band Width Inches (cm)	Band Inside Diameter Inches (cm)	Model	Catalog Number
.25"-1.13" (.63-2.86)	.38" (.95)	1.38" (3.49)	0-311	**20320050**
1.13"-1.63" (2.86-4.13)	.38" (.95)	2.00" (5.08)	0-316	**20320051**
1.63"-2.25" (4.13-5.71)	.63" (1.59)	2.50" (6.35)	0-10	**20320052**
2.25"-3.50" (5.71-8.89)	.63" (1.59)	4.00" (10.16)	0-16	**20320053**
3.50"-5.00" (8.89-12.70)	.63" (1.59)	6.00" (15.24)	0-24	**20320054**

Accessories

Punch-Lok Tools	Catalog Number
P-1000 for use with .63" width Banding tool.	**20320048**
P-38 for use with .38" and .63" width Banding tool for tight spaces.	**20320047**

Stainless Steel Swivels

Swivels are essential to the efficiency and safety of any high tension application. They are particularly important where continuous pulls develop higher and higher torque levels. Torque is intensified by the pull-resistance of the cable itself and the resistance of the high tension controlling equipment regulating line sag. Ball bearing swivels release torque and prevent it from reaching dangerous levels that can damage the cable and obstruct the lines.

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Stainless Steel Swivels

Maximum Safe Working Load Lbs. (N)	Dimensions in Inches (cm)							Model	Catalog Number
	A	B	C	D	E	F	G		
2,250 (10,000)	.88" (2.22)	2.50" (6.35)	3.38" (8.57)	.44" (1.11)	.38" (0.95)	.31" (0.79)	.97" (2.46)	A-13L	**20308001A**
5,000 (22,240)	1.25" (3.17)	3.69" (9.37)	4.75" (12.06)	1.22" (1.35)	1.22" (1.35)	.41" (1.03)	1.28" (3.25)	BB-13L	**20308002A**
9,000 (40,030)	1.50" (3.81)	4.25" (10.79)	5.63" (14.29)	.69" (1.75)	1.28" (1.51)	.50" (1.27)	1.56" (3.97)	B-13L	**20308003A**
10,000 (44,480)	1.63" (4.13)	4.50" (11.43)	6.00" (15.24)	.75" (1.90)	.69" (1.75)	.63" (1.59)	1.72" (4.36)	C-13L	**20308004A**
30,000 (133,440)	2.38" (6.03)	7.63" (19.37)	10.00" (25.40)	1.19" (3.02)	1.03" (2.62)	.88" (2.22)	2.78" (7.06)	D-13L	**20308005A**

Punch-Lok® is a registered trademark of Punch-Lok Inc.

Kellems Pulling Grips are reusable tools for pulling electrical cable, bare conductor or rope. They are easy and fast to install, providing the user with a smooth, slim profile that allows for easy passage through ducts and conduit. Kellems Pulling Grips are made of the highest quality galvanized steel strand which assures the user of a long lasting grip. There is a Kellems Pulling Grip for every pulling job.

WARNING: **It is very important to read and understand all safety information before proceeding. Failure to use as directed may result in property damage, personal injury or death.**

Grips are to be installed and utilized by a qualified technician in accordance with all applicable national and local safety and electrical codes. Consult a licensed project safety professional, if necessary.
Ensure that the correct grip is selected for your specific needs. Grips should only be used for their intended purpose and not for other applications.
Banding the tail end of the grip is required to prevent unintended release of the grip's hold from the cable and to achieve maximum gripping strength
The strength of a Kellems grips is based on laboratory testing and does not evaluate variable conditions such as cable type, gripping surfaces, cable movement or impact loads. Suitability for the application must be determined by the user.
Thoroughly examine the condition of the grip prior to each use. Grips that are worn, bent, corroded, or show other signs of damage, such as frayed or broken wires, should never be used and must be replaced.
Do not modify the grip in any way.
Ensure that the recommended work load of the grip is suitable for the application. Never use a grip beyond its safe working load, which is the approximate breaking strength divided by the factor of safety. The recommended factor of safety is five (5) for pulling grips and ten (10) for support grips.
Pulling hardware should only be attached to the eye of the grip.
A swivel is recommended for attachment to the grip's eye in applications where torque release is necessary. Torque can build up in high tension pulling applications.
Do not run grips and swivels around sheaves or bull wheels while under tension. For synthetic rope, use Kellems Dua-Pull Grips only.

IMPORTANT:

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Select The Correct Pulling Grip

Each Kellems Grip is designed to work on a specific range of cable diameters.

Step 1 Refer to the chart below to determine the style of grip best suited for your application.

Step 2 Determine your cable outside diameter.

Step 3 Find the grip size that encompasses your cable diameter.

Step 4 Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page W-34 for safety and working load factors.

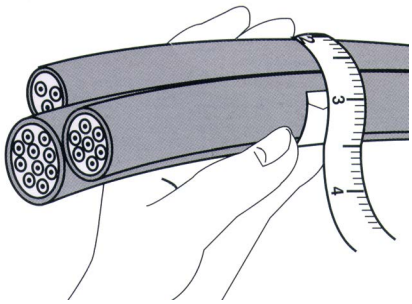
Pulling Grip Selection Chart

Grip Style	Application	Page Number
DUA-PULL®, flexible eye	Extra high strength overhead transmission line stringing for bare or insulated conductor and synthetic rope.	W-7
Multiple strength, flexible eye	Normal overhead transmission and distribution line stringing for bare or insulated conductor.	W-8
Multiple strength, rotating eye	Normal overhead transmission and distribution line stringing for bare or insulated conductor.	W-8
K-type grip, rotating eye	Underground power cables and communication lines. Service lines into factories.	W-9
T-type grip, flexible eye	Underground power cables and communication lines. Service lines into factories.	W-10
Non-conductive, flexible eye	Pull insulated distribution cable into place.	W-11
Slack pulling, closed mesh	Remove underground cable. For pulling slack in final placement of new cable when end of cable is available.	W-11
Slack pulling, split mesh,	Remove underground cable. For pulling slack in final placement of new cable rawhide lace closing when end of cable is not available.	W-12
Slack pulling, split mesh,	Remove underground cable. For pulling slack in final placement of new cable rod closing when end of cable is not available, with rod closing for quick installation.	W-12
Light duty, flexible eye	Light pulling, underground electrical construction. Industrial plant wiring and rewiring jobs.	W-13
Junior, flexible eye	Connect bundled insulated building wire to a pulling tape. Pull wire through conduit.	W-13
Regular and rotating wire rope	Restring wire rope in cranes and oil rigs.	W-14
Splicing	Temporary splice for cable or wire rope.	W-15
Pulling Grip Accessories	Tools, bands, swivels.	W-16
Fiber Optic Cable Pulling Grips	Pull fiber optic cable into place overhead, underground or through duct and conduit.	W-39 to W-43

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).
2. Divide the bundle circumference by 3.14 to determine the diameter.
3. Choose a grip offering a range of cable diameters the same as the cable diameter.



For Pulling Grips*

CAUTION: When a grip is used on multiple cables, the tail end of the grip should be banded after positioning on the cables.

For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: Three cables, each with .89" (2.26cm) diameter, for a Closed Grip select the 1.50"-1.74" (3.81cm-4.42cm) range, for a Split Grip select the 1.75"-1.99" (4.44cm-5.05cm) range.

Number of Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia.Range Inches (cm)
.30-.38 (.76-.97)	.25-.31 (.63-.79)	.22-.27 (.56-.69)	.19-.24 (.48-.60)	.17-.22 (.43-.56)	.15-.19 (.38-.48)	.14-.18 (.36-.46)	.50-.61 (1.27-1.55)
.38-.44 (.97-1.12)	.31-.36 (.79-.91)	.27-.31 (.69-.79)	.24-.29 (.61-.74)	.22-.26 (.56-.66)	.19-.23 (.48-.58)	.18-.21 (.46-.53)	.62-.74 (1.57-1.88)
.44-.59 (1.12-1.50)	.36-.49 (.91-1.24)	.31-.42 (.79-1.07)	.29-.38 (.74-.97)	.26-.34 (.66-.86)	.23-.31 (.58-.79)	.21-.28 (.53-.71)	.75-.99 (1.90-2.51)
.59-.75 (1.50-1.90)	.49-.63 (1.24-1.60)	.42-.54 (1.07-1.37)	.38-.48 (.97-1.22)	.34-.43 (.86-1.09)	.31-.39 (.79-.99)	.28-.35 (.71-.89)	1.00-1.24 (2.54-3.15)
.75-.90 (1.90-2.29)	.63-.76 (1.60-1.93)	.54-.65 (1.37-1.65)	.48-.58 (1.22-1.47)	.43-.52 (1.09-1.32)	.39-.46 (.99-1.17)	.35-.42 (.89-1.07)	1.25-1.49 (3.17-3.78)
.90-1.07 (2.29-2.72)	.76-.89 (1.93-2.26)	.65-.77 (1.65-1.96)	.58-.67 (1.47-1.70)	.52-.60 (1.32-1.52)	.46-.54 (1.17-1.37)	.42-.49 (1.07-1.24)	1.50-1.74 (3.81-4.42)
1.07-1.22 (2.72-3.10)	.89-1.02 (2.26-2.59)	.77-.88 (1.96-2.24)	.67-.77 (1.70-1.96)	.60-.69 (1.52-1.75)	.54-.62 (1.37-1.57)	.49-.56 (1.24-1.42)	1.75-1.99 (4.44-5.05)
1.22-1.53 (3.10-3.89)	1.02-1.28 (2.59-3.25)	.88-1.10 (2.24-2.79)	.77-.96 (1.96-2.44)	.69-.86 (1.75-2.18)	.62-.77 (1.57-1.96)	.56-.71 (1.42-1.80)	2.00-2.49 (5.08-6.32)
1.53-1.83 (3.89-4.65)	1.28-1.53 (3.25-3.89)	1.10-1.32 (2.79-3.35)	.96-1.16 (2.44-2.95)	.86-1.03 (2.18-2.62)	.77-.93 (1.96-2.36)	.71-.85 (1.80-2.16)	2.50-2.99 (6.35-7.59)
1.83-2.14 (4.65-5.44)	1.53-1.79 (3.89-4.55)	1.32-1.54 (3.35-3.91)	1.16-1.35 (2.95-3.43)	1.03-1.20 (2.62-3.05)	.93-1.08 (2.36-2.74)	.85-.99 (2.16-2.51)	3.00-3.49 (7.62-8.86)
2.14-2.44 (5.44-6.20)	1.79-2.05 (4.55-5.21)	1.54-1.76 (3.91-4.47)	1.35-1.54 (3.43-3.91)	1.20-1.37 (3.05-3.48)	1.08-1.24 (2.74-3.15)	.99-1.13 (2.51-2.87)	3.50-3.99 (8.89-10.13)
2.44-2.75 (6.20-6.98)	2.05-2.30 (5.21-5.84)	1.76-1.98 (4.47-5.03)	1.54-1.74 (3.91-4.42)	1.37-1.55 (3.48-3.94)	1.24-1.39 (3.15-3.53)	1.13-1.27 (2.87-3.23)	4.00-4.49 (10.16-11.40)
2.75-3.06 (6.98-7.77)	2.30-2.56 (5.84-6.50)	1.98-2.20 (5.03-5.59)	1.74-1.93 (4.42-4.90)	1.55-1.72 (3.94-4.37)	1.39-1.55 (3.53-3.94)	1.27-1.41 (3.23-3.58)	4.50-4.99 (11.43-12.67)

*Note: *This chart is not to be used for Conduit Riser Grips. Refer to the chart for Conduit Riser multiple cable section. It is always recommended that, when multiple cables are installed in a pulling grip, the tail end be banded and tightly taped after installation on the cable bundle. See page W-16 for end bands.*

Features and Benefits

Kellems® Support Grips

They are used to hold the weight of electrical cable as it hangs in a vertical, sloping or horizontal position. Electrical cable must be supported, or its dead weight can cause excessive strain or pullout at the connections resulting in power failure. Support grips also absorb additional strain from flexure, vibration, expansion and contraction.

Kellems support grips listed in this catalog are made of high grade, non-magnetic tin-coated bronze strand. Stainless steel grips, made of alloy 302–304 series stainless are for severe service or unusual environmental conditions. For exceptional immunity to rust and corrosion with superior strength and flexibility for heavy duty support application in harsh environments available upon request; contact the factory.





Mesh Grip

- The positive action mesh grip is designed for light duty up to heavy duty; closed grips fit over the cable end, split grips wrap around the cable mid-span
- The endless weave provides easy installation onto cable and can be easily repositioned



Eye Styles

- Four eye styles available: single (shown), double, universal and offset
- Solid eye assemblies provide eye reinforcement at support hardware
- Each Kellems grip is designed to work on a specific range of cable diameters



Cable Identification

- Identification tag shows: catalog number, diameter range, agency approval and bar code
- The strand equalizer positions wires for equal loading throughout the entire grip length



Strand Equalizer

- Positions wires for equal loading throughout the entire grip length

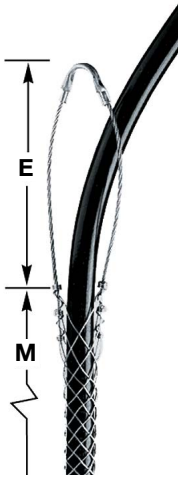
Standard Duty Support Grips

Single Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

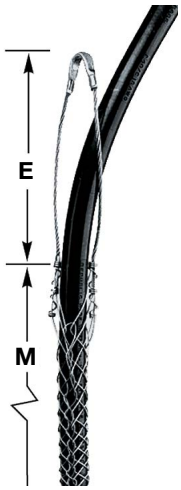
Single Eye, Closed Mesh



For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. Tin-Coated Bronze	Approx. Breaking Strength Lbs. Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530	1,370	53	137	7" (17.78)	10" (25.40)	**02201013**	**02401013**
.63"-.74" (1.60-1.88)	790	2,060	79	206	8" (20.32)	10" (25.40)	**02201014**	**02401014**
.75"-.99" (1.90-2.51)	1,020	2,060	102	206	8" (20.32)	13" (33.02)	**02201015**	**02401015**
1.00"-1.24" (2.54-3.15)	1,610	2,678	161	268	9" (22.86)	14" (35.56)	**02201017**	**02401017**
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	10" (25.40)	15" (38.10)	**02201018**	**02401018**
1.50"-1.74" (3.81-4.42)	1,610	4,492	161	449	12" (30.48)	17" (43.18)	**02201019**	**02401019**
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	500	14" (35.56)	19" (48.26)	**02201020**	**02401020**
2.00"-2.49" (5.08-6.32)	3,260	8,940	326	894	16" (40.64)	21" (53.34)	**02201021**	**02401021**
2.50"-2.99" (6.35-7.59)	3,260	8,947	326	895	18" (45.72)	23" (58.42)	**02201022**	**02401022**
3.00"-3.49" (7.62-8.86)	4,900	13,420	490	1,342	21" (53.34)	25" (63.50)	**02201023**	**02401023**
3.50"-3.99" (8.89-10.13)	4,900	—	490	—	24" (60.96)	27" (68.58)	**02201024**	**—**

Single Eye, Split Mesh, Lace Closing



For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. Tin-Coated Bronze	Approx. Breaking Strength Lbs. Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530	1,370	53	137	7" (17.78)	10" (25.40)	**02202013**	**02402013**
.63"-.74" (1.60-1.88)	790	2,066	79	207	8" (20.32)	10" (25.40)	**02202014**	**02402014**
.75"-.99" (1.90-2.51)	1,020	2,060	102	206	8" (20.32)	13" (33.02)	**02202015**	**02402015**
1.00"-1.24" (2.54-3.15)	1,610	2,670	161	267	9" (22.86)	14" (35.56)	**02202017**	**02402017**
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	10" (25.40)	15" (38.10)	**02202018**	**02402018**
1.50"-1.74" (3.81-4.42)	1,610	4,490	161	449	12" (30.48)	17" (43.18)	**02202019**	**02402019**
1.75"-1.99" (4.44-5.05)	2,150	4,375	215	437	14" (35.56)	19" (48.26)	**02202020**	**02402020**
2.00"-2.49" (5.08-6.32)	3,260	8,947	326	895	16" (40.64)	21" (53.34)	**02202021**	**02402021**
2.50"-2.99" (6.35-7.59)	3,260	8,940	326	894	18" (45.72)	23" (58.42)	**02202022**	**02402022**
3.00"-3.49" (7.62-8.86)	4,900	13,420	490	1,342	21" (53.34)	25" (63.50)	**02202023**	**02402023**
3.50"-3.99" (8.89-10.13)	4,900	13,420	490	1,342	24" (60.96)	27" (68.58)	**02202024**	**02402024**

Single Eye, Split Mesh, Rod Closing



For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. Tin-Coated Bronze	Approx. Breaking Strength Lbs. Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	790	1,050	79	105	7" (17.78)	8.5" (21.59)	**02203013**	**02403013**
.63"-.74" (1.60-1.88)	790	2,050	79	205	8" (20.32)	8.5" (21.59)	**02203014**	**02403014**
.75"-.99" (1.90-2.51)	1,020	2,050	102	205	8" (20.32)	10.5" (26.67)	**02203015**	**02403015**
1.00"-1.24" (2.54-3.15)	1,610	2,650	161	265	9" (22.86)	12.5" (31.75)	**02203017**	**02403017**
1.25"-1.49" (3.17-3.78)	1,610	4,500	161	450	10" (25.40)	14.5" (36.83)	**02203018**	**02403018**
1.50"-1.74" (3.81-4.42)	1,610	4,500	161	450	12" (30.48)	15.5" (39.37)	**02203019**	**02403019**
1.75"-1.99" (4.44-5.05)	2,150	6,000	215	600	14" (35.56)	16.5" (41.91)	**02203020**	**02403020**
2.00"-2.49" (5.08-6.32)	3,260	8,950	326	895	16" (40.64)	19.5" (49.53)	**02203021**	**02403021**
2.50"-2.99" (6.35-7.59)	3,260	7,750	326	775	18" (45.72)	21.5" (54.61)	**02203022**	**02403022**
3.00"-3.49" (7.62-8.86)	5,750	8,500	575	850	21" (53.34)	23.5" (59.69)	**02203023**	**02403023**
3.50"-3.99" (8.89-10.13)	5,750	—	575	—	24" (60.96)	25.5" (64.77)	**02203024**	**—**

Dimensions in Inches (mm)

Note: E-Eye length. M-Mesh length at nominal diameter.

Standard Duty Support Grips

Double Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

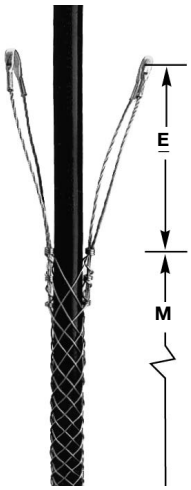
IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

Double Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

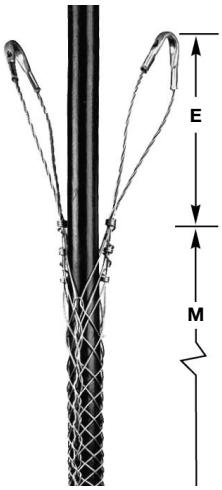
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. Tin-Coated Bronze	Approx. Breaking Strength Lbs. Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530	1,370	53	137	4" (10.16)	10" (25.40)	**02201001**	**02401001**
.63"-.74" (1.60-1.88)	790	2,060	79	206	4" (10.16)	10" (25.40)	**02201002**	**02401002**
.75"-.99" (1.90-2.51)	1,020	2,060	102	206	4" (10.16)	13" (33.02)	**02201003**	**02401003**
1.00"-1.24" (2.54-3.15)	1,610	2,670	161	267	5" (12.70)	14" (35.56)	**02201005**	**02401005**
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	5" (12.70)	15" (38.10)	**02201006**	**02401006**
1.50"-1.74" (3.81-4.42)	1,610	4,490	161	449	5" (12.70)	17" (43.18)	**02201007**	**02401007**
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	500	6" (15.24)	19" (48.26)	**02201008**	**02401008**
2.00"-2.49" (5.08-6.32)	3,260	8,940	326	894	6" (15.24)	21" (53.34)	**02201009**	**02401009**
2.50"-2.99" (6.35-7.59)	3,260	8,940	326	894	6" (15.24)	23" (58.42)	**02201010**	**02401010**
3.00"-3.49" (7.62-8.86)	4,900	12,000	490	1,200	8" (20.32)	25" (63.50)	**02201011**	**02401011**
3.50"-3.99" (8.89-10.13)	4,900	12,000	490	1,200	8" (20.32)	27" (68.58)	**02201012**	**02401012**



Double Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. Tin-Coated Bronze	Approx. Breaking Strength Lbs. Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530	—	53	—	4" (10.16)	10" (25.40)	**02202001**	**—**
.63"-.74" (1.60-1.88)	790	2,066	79	207	4" (10.16)	10" (25.40)	**02202002**	**02402002**
.75"-.99" (1.90-2.51)	1,020	2,060	102	206	4" (10.16)	13" (33.02)	**02202003**	**02402003**
1.00"-1.24" (2.54-3.15)	1,610	2,678	161	268	5" (12.70)	14" (35.56)	**02202005**	**02402005**
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	5" (12.70)	15" (38.10)	**02202006**	**02402006**
1.50"-1.74" (3.81-4.42)	1,610	3,750	161	375	5" (12.70)	17" (43.18)	**02202007**	**02402007**
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	500	6" (15.24)	19" (48.26)	**02202008**	**02402008**
2.00"-2.49" (5.08-6.32)	3,260	8,940	326	894	6" (15.24)	21" (53.34)	**02202009**	**02402009**
2.50"-2.99" (6.35-7.59)	3,260	—	326	—	6" (15.24)	23" (58.42)	**02202010**	**—**
3.00"-3.49" (7.62-8.86)	4,900	—	490	—	8" (20.32)	25" (63.50)	**02202011**	**—**
3.50"-3.99" (8.89-10.13)	4,900	—	490	—	8" (20.32)	27" (68.58)	**02202012**	**—**

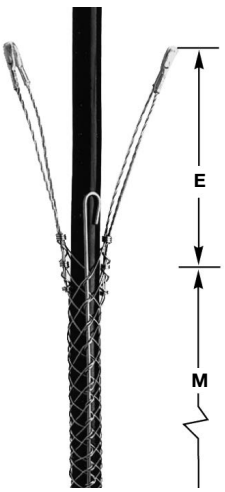


Double Eye, Split Mesh, Rod Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. Tin-Coated Bronze	Approx. Breaking Strength Lbs. Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	790	—	79	—	4" (10.16)	6.5"	**02203001**	**—**
.63"-.74" (1.60-1.88)	790	2,050	79	205	4" (10.16)	8.5" (21.59)	**02203002**	**02403002**
.75"-.99" (1.90-2.51)	1,020	2,050	102	205	4" (10.16)	10.5" (26.67)	**02203003**	**02403003**
1.00"-1.24" (2.54-3.15)	1,610	2,650	161	265	5" (12.70)	12.5" (31.75)	**02203005**	**02403005**
1.25"-1.49" (3.17-3.78)	1,610	3,750	161	375	5" (12.70)	14.5" (36.83)	**02203006**	**02403006**
1.50"-1.74" (3.81-4.42)	1,610	3,750	161	375	5" (12.70)	15.5" (39.37)	**02203007**	**02403007**
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	215	6" (15.24)	16.5" (41.91)	**02203008**	**02403008**
2.00"-2.49" (5.08-6.32)	3,260	8,950	326	326	6" (15.24)	19.5" (49.53)	**02203009**	**02403009**
2.50"-2.99" (6.35-7.59)	3,260	8,950	326	326	6" (15.24)	21.5" (54.61)	**02203010**	**02403010**
3.00"-3.49" (7.62-8.86)	5,750	11,150	575	1,115	8" (20.32)	23.5" (59.69)	**02203011**	**02403011**
3.50"-3.99" (8.89-10.13)	5,750	—	575	—	8" (20.32)	25.5" (64.77)	**02203012**	**—**

Note: E-Eye length. M-Mesh length at nominal diameter.



Dimensions in Inches (mm)

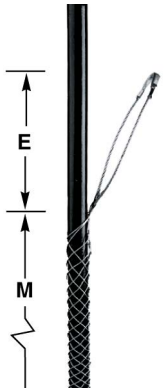
Standard Duty Support Grips

Offset Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

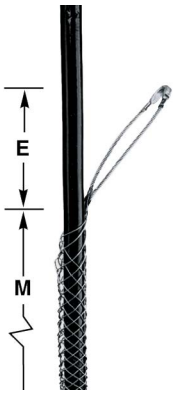
Offset Eye, Closed Mesh



For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. Tin-Coated Bronze	Approx. Breaking Strength Lbs. Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530	1,370	53	137	4" (10.16)	10" (25.40)	**02201037**	**02401037**
.63"-.74" (1.60-1.88)	750	1,950	75	195	4" (10.16)	10" (25.40)	**02201038**	**02401038**
.75"-.99" (1.90-2.51)	950	2,060	95	206	4" (10.16)	13" (33.02)	**02201039**	**02401039**
1.00"-1.24" (2.54-3.15)	1,500	2,678	150	268	5" (12.70)	14" (35.56)	**02201041**	**02401041**
1.25"-1.49" (3.17-3.78)	1,500	4,490	150	449	5" (12.70)	15" (38.10)	**02201042**	**02401042**
1.50"-1.74" (3.81-4.42)	1,500	3,700	150	370	5" (12.70)	17" (43.18)	**02201043**	**02401043**
1.75"-1.99" (4.44-5.05)	2,000	4,375	200	437	6" (15.24)	19" (48.26)	**02201044**	**02401044**
2.00"-2.49" (5.08-6.32)	3,100	5,500	310	550	9" (22.86)	21" (53.34)	**02201045**	**02401045**
2.50"-2.99" (6.35-7.59)	3,100	—	310	—	9" (22.86)	23" (58.42)	**02201046**	**—**
3.00"-3.49" (7.62-8.86)	3,800	—	380	—	11" (27.94)	25" (63.50)	**02201047**	**—**
3.50"-3.99" (8.89-10.13)	3,250	—	325	—	11" (27.94)	27" (68.58)	**02201048**	**—**

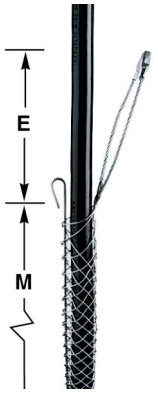
Offset Eye, Split Mesh, Lace Closing



For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze	Approx. Breaking Strength Lbs. (N) Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	500	—	50	—	4" (10.16)	10" (25.40)	**02202037**	**—**
.63"-.74" (1.60-1.88)	750	1,952	75	195	4" (10.16)	10" (25.40)	**02202038**	**02402038**
.75"-.99" (1.90-2.51)	950	—	95	—	4" (10.16)	13" (33.02)	**02202039**	**—**
1.00"-1.24" (2.54-3.15)	1,500	—	150	—	5" (12.70)	14" (35.56)	**02202041**	**—**
1.25"-1.49" (3.17-3.78)	1,500	4,490	150	449	5" (12.70)	15" (38.10)	**02202042**	**02402042**
1.50"-1.74" (3.81-4.42)	1,500	—	150	—	5" (12.70)	17" (43.18)	**02202043**	**—**
1.75"-1.99" (4.44-5.05)	1,800	4,375	180	437	6" (15.24)	19" (48.26)	**02202044**	**02402044**
2.00"-2.49" (5.08-6.32)	2,150	5,500	215	550	9" (22.86)	21" (53.34)	**02202045**	**02402045**
2.50"-2.99" (6.35-7.59)	2,150	5,500	215	550	9" (22.86)	23" (58.42)	**02202046**	**02402046**
3.00"-3.49" (7.62-8.86)	3,250	10,190	325	1,019	11" (27.94)	25" (63.50)	**02202047**	**02402047**
3.50"-3.99" (8.89-10.13)	3,250	—	325	—	11" (27.94)	27" (68.58)	**02202048**	**—**

Offset Eye, Split Mesh, Rod Closing



For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze	Approx. Breaking Strength Lbs. (N) Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	500	1,000	50	100	4" (10.16)	7" (17.78)	**02203037**	**02403037**
.63"-.74" (1.60-1.88)	750	1,950	75	195	4" (10.16)	9" (22.86)	**02203038**	**02403038**
.75"-.99" (1.90-2.51)	950	1,950	95	195	4" (10.16)	10" (25.40)	**02203039**	**02403039**
1.00"-1.24" (2.54-3.15)	1,500	2,500	150	250	5" (12.70)	12" (30.48)	**02203041**	**02403041**
1.25"-1.49" (3.17-3.78)	1,500	4,200	150	420	5" (12.70)	14" (35.56)	**02203042**	**02403042**
1.50"-1.74" (3.81-4.42)	1,500	4,500	150	450	5" (12.70)	15" (38.10)	**02203043**	**02403043**
1.75"-1.99" (4.44-5.05)	2,000	4,375	200	437	6" (15.24)	16" (40.64)	**02203044**	**02403044**
2.00"-2.49" (5.08-6.32)	3,100	8,350	310	835	9" (22.86)	19" (48.26)	**02203045**	**02403045**
2.50"-2.99" (6.35-7.59)	3,100	—	310	—	9" (22.86)	20" (50.80)	**02203046**	**—**
3.00"-3.49" (7.62-8.86)	4,300	8,400	430	840	11" (27.94)	21" (53.34)	**02203047**	**02403047**
3.50"-3.99" (8.89-10.13)	4,900	—	490	—	11" (27.94)	21" (53.34)	**02203048**	**—**

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Standard Duty Support Grips

Universal Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

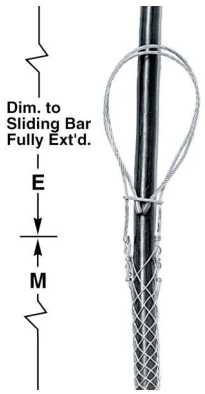
IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

Universal Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze	Approx. Breaking Strength Lbs. (N) Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530	1,370	53	137	18" (45.72	10" (25.40)	**02201051**	**02401051**
.63"-.74" (1.60-1.88)	790	2,060	79	206	18" (45.72)	10" (25.40)	**02201052**	**02401052**
.75"-.99" (1.90-2.51)	1,020	2,066	102	207	18" (45.72)	13" (33.02)	**02201053**	**02401053**
1.00"-1.24" (2.54-3.15)	1,610	—	161	—	18" (45.72)	14" (35.56)	**02201050**	**—**
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	18" (45.72)	15" (38.10)	**02201054**	**02401054**
1.50"-1.74" (3.81-4.42)	1,610	4,490	161	449	18" (45.72)	17" (43.18)	**02201055**	**02401055**
1.75"-1.99" (4.44-5.05)	2,150	—	215	—	18" (45.72)	19" (48.26)	**02201056**	**—**
2.00"-2.49" (5.08-6.32)	3,260	—	326	—	18" (45.72)	21" (53.34)	**02201057**	**—**
2.50"-2.99" (6.35-7.59)	3,260	—	326	—	18" (45.72)	23" (58.42)	**02201058**	**—**



Universal Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze	Approx. Breaking Strength Lbs. (N) Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	530	—	53	—	18" (45.72	10" (25.40)	**02202050**	**—**
.63"-.74" (1.60-1.88)	790	2,060	79	206	18" (45.72)	10" (25.40)	**02202051**	**02402051**
.75"-.99" (1.90-2.51)	1,020	—	102	—	18" (45.72)	13" (33.02)	**02202052**	**—**
1.00"-1.24" (2.54-3.15)	1,610	—	161	—	18" (45.72)	14" (35.56)	**02202054**	**—**
1.25"-1.49" (3.17-3.78)	1,610	—	161	—	18" (45.72)	15" (38.10)	**02202055**	**—**
1.50"-1.74" (3.81-4.42)	1,610	—	161	—	18" (45.72)	17" (43.18)	**02202056**	**—**
1.75"-1.99" (4.44-5.05)	2,150	—	215	—	18" (45.72)	19" (48.26)	**02202057**	**—**
2.00"-2.49" (5.08-6.32)	3,260	—	326	—	18" (45.72)	21" (53.34)	**02202058**	**—**
2.50"-2.99" (6.35-7.59)	3,260	—	326	—	18" (45.72)	23" (58.42)	**02202059**	**—**
3.50"-3.99" (8.89-10.13)	4,900	—	490	—	18" (45.72)	27" (68.58)	**02202061**	**—**



Universal Eye, Split Mesh, Rod Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze	Approx. Breaking Strength Lbs. (N) Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"-.62" (1.27-1.57)	790	—	79	—	18" (45.72	8.5" (21.59)	**02203064**	**—**
.63"-.74" (1.60-1.88)	790	2,050	79	205	18" (45.72)	8.5" (21.59)	**02203065**	**02403065**
.75"-.99" (1.90-2.51)	1,020	2,050	102	205	18" (45.72)	10.5" (26.67)	**02203066**	**02403066**
1.00"-1.24" (2.54-3.15)	1,610	2,650	161	265	18" (45.72)	12.5" (31.75)	**02203068**	**02403068**
1.25"-1.49" (3.17-3.78)	1,610	4,500	161	450	18" (45.72)	14.5" (36.83)	**02203069**	**02403069**
1.50"-1.74" (3.81-4.42)	1,610	4,500	161	450	18" (45.72)	15.5" (39.37)	**02203070**	**02403070**
1.75"-1.99" (4.44-5.05)	2,150	—	215	—	18" (45.72)	16.5" (41.91)	**02203071**	**—**
2.00"-2.49" (5.08-6.32)	3,260	—	326	—	18" (45.72)	19.5" (49.53)	**02203072**	**—**
2.50"-2.99" (6.35-7.59)	3,260	—	326	—	18" (45.72)	21.5" (54.61)	**02203073**	**—**
3.00"-3.49" (7.62-8.86)	5,750	—	575	—	18" (45.72)	23.5" (59.69)	**02203074**	**—**



Note: E-Eye length. M-Mesh length at nominal diameter.

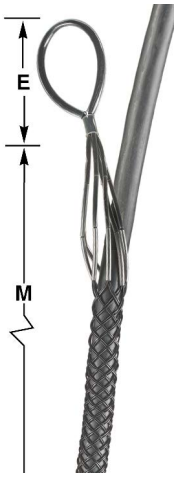
Dimensions in Inches (mm)

Non-Metallic Support Grips

Single Eye, Double Weave, Non-Metallic Aramid Fiber.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.



Kellems® Non-Metallic Support Grips

Kellems® Non-Metallic Support Grips, made of a high strength double weave aramid fiber, are available for supporting cable in corrosive environments.

Non-Metallic Support Grips, Single Eye, Closed Mesh

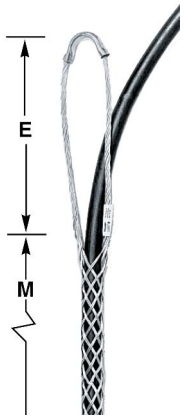
For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Color Code	Catalog Number
.50"-.62" (1.27-1.57)	1,000	100	6.0" (15.24)	22" (55.88)	Green	**02601001**
.63"-.74" (1.60-1.88)	2,000	200	6.0" (15.24)	24" (60.96)	Yellow	**02601002**
.75"-.99" (1.90-2.51)	2,000	200	6.0" (15.24)	28.5" (72.39)	Red	**02601003**
1.00"-1.24" (2.54-3.15)	3,000	300	6.0" (15.24)	31" (78.74)	Blue	**02601004**
1.25"-1.49" (3.17-3.78)	3,000	300	6.0" (15.24)	36.5" (92.71)	White	**02601005**
1.50"-1.99" (3.81-5.05)	3,000	300	6.0" (15.24)	40" (101.60)	Pink	**02601006**

Note: Specified for corrosive applications.

Heavy Duty Support Grips

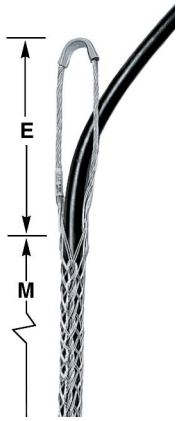
Single Eye, Double Weave, Tin-Coated Bronze and Stainless Steel



Heavy Duty, Single Eye, Closed Mesh

For heavy duty permanent support when cable end is available to be installed through grip.

	Approx. Breaking Strength Lbs.		Working Load Lbs.					
Cable Diameter Range Inches (cm)	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.75"-.99" (1.90-2.51)	2,820	4,200	282	420	10" (25.40)	25" (63.50)	**02206010**	**02406010**
1.00"-1.24" (2.54-3.15)	4,280	7,300	428	730	12" (30.48)	28" (71.12)	**02206011**	**02406011**
1.25"-1.49" (3.17-3.78)	4,280	7,300	428	730	12" (30.48)	30" (76.20)	**02206012**	**02406012**
1.50"-1.99" (3.81-5.05)	4,280	11,150	428	1,115	12" (30.48)	34" (86.36)	**02206013**	**02406013**



Single Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available to be installed through grip.

	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.					
Cable Diameter Range Inches (cm)	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.75"-.99" (1.90-2.51)	2,820	4,200	282	420	10" (25.40)	25" (63.50)	**02207010**	**02407010**
1.00"-1.24" (2.54-3.15)	4,280	7,300	428	730	12" (30.48)	28" (71.12)	**02207011**	**02407011**
1.25"-1.49" (3.17-3.78)	4,280	7,300	428	730	12" (30.48)	30" (76.20)	**02207012**	**02407012**
1.50"-1.99" (3.81-5.05)	4,280	11,150	428	1,115	12" (30.48)	34" (86.36)	**02207013**	**02407013**

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Heavy Duty Support Grips

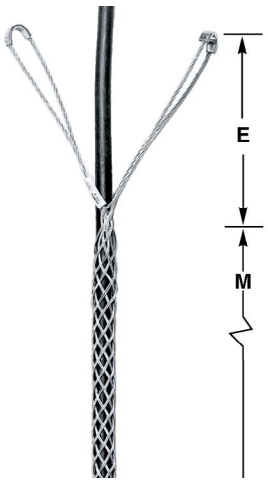
Double Eye, Double Weave, Tin-Coated Bronze and Stainless Steel.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

Double Eye, Closed Mesh

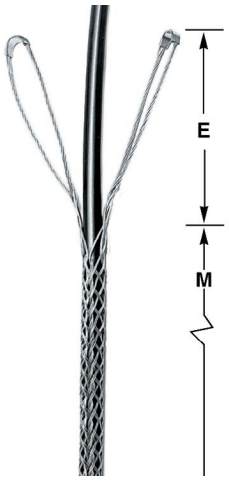
For permanent support when cable end is available to be installed through grip.



Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze	Approx. Breaking Strength Lbs. (N) Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.75"-.99" (1.90-2.51)	2,820	4,250	282	425	10" (25.40)	25" (63.50)	**02206001**	**02406001**
1.00"-1.24" (2.54-3.15)	4,280	7,300	428	730	10" (25.40)	28" (71.12)	**02206002**	**02406002**
1.25"-1.49" (3.17-3.78)	4,280	7,300	428	730	10" (25.40)	30" (76.20)	**02206003**	**02406003**
1.50"-1.99" (3.81-5.05)	4,280	11,100	428	1,110	10" (25.40)	34" (86.36)	**02206004**	**02406004**
2.00"-2.49" (5.08-6.32)	8,050	20,100	805	2,010	12" (30.48)	36" (91.44)	**02206005**	**02406005**
2.50"-2.99" (6.35-7.59)	8,050	20,100	805	2,010	12" (30.48)	38" (96.52)	**02206006**	**02406006**
3.00"-3.49" (7.62-8.86)	10,060	25,200	1,006	2,520	12" (30.48)	40" (101.60)	**02206007**	**02406007**
3.50"-3.99" (8.89-10.13)	12,070	—	1,207	—	12" (30.48)	44" (111.76)	**02206008**	**—**
4.00"-4.49" (10.16-11.40)	12,070	—	1,207	—	12" (30.48)	46" (116.84)	**02206009**	**—**
4.50"-4.99" (11.43-12.67)	12,070	—	1,207	—	12" (30.48)	68" (172.72)	**02208009**	**—**

Double Eye, Split Mesh, Lace Closing

For support when cable end is not available.



Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze	Approx. Breaking Strength Lbs. (N) Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.75"-.99" (1.90-2.51)	2,820	4,250	282	425	10" (25.40)	25" (63.50)	**02207001**	**02407001**
1.00"-1.24" (2.54-3.15)	4,280	7,300	428	730	10" (25.40)	28" (71.12)	**02207002**	**02407002**
1.25"-1.49" (3.17-3.78)	4,280	7,300	428	730	10" (25.40)	30" (76.20)	**02207003**	**02407003**
1.50"-1.99" (3.81-5.05)	4,280	11,150	428	1,110	10" (25.40)	34" (86.36)	**02207004**	**02407004**
2.00"-2.49" (5.08-6.32)	8,050	20,150	805	2,010	12" (30.48)	36" (91.44)	**02207005**	**02407005**
2.50"-2.99" (6.35-7.59)	8,050	20,150	805	2,010	12" (30.48)	38" (96.52)	**02207006**	**02407006**
3.00"-3.49" (7.62-8.86)	10,060	25,200	1,006	2,520	12" (30.48)	40" (101.60)	**02207007**	**02407007**
3.50"-3.99" (8.89-10.13)	12,070	30,200	1,207	3,020	12" (30.48)	44" (111.76)	**02207008**	**02407008**
4.00"-4.49" (10.16-11.40)	12,070	30,200	1,207	3,020	12" (30.48)	46" (116.84)	**02207009**	**02407009**
4.50"-4.99" (11.43-12.67)	12,070	—	1,207	—	12" (30.48)	68" (172.72)	**02209009**	**—**

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

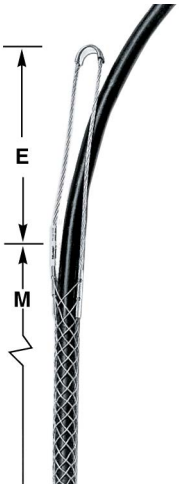
Service Drop Grips

Single Eye, Tin-Coated Bronze and Stainless Steel.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

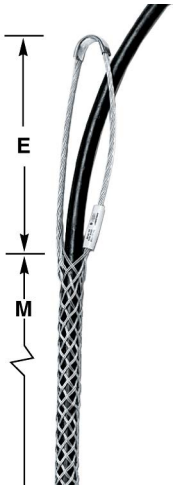
Light Duty, Single Eye, Closed Mesh, Single Weave



For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. Tin-Coated Bronze	Approx. Breaking Strength Lbs. Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.23"-.31" (.58-.79)	290	700	29	70	3" (7.62)	3.75" (9.52)	**02216001**	**02416001**
.29"-.37" (.74-.94)	290	700	29	70	5" (12.70)	4.25" (10.79)	**02216002**	**02416002**
.35"-.44" (.89-1.12)	500	850	50	85	5.5" (13.97)	4.75" (12.06)	**02216003**	**02416003**
.41"-.50" (1.04-1.27)	500	850	50	85	5.5" (13.97)	5" (12.70)	**02216004**	**02416004**
.46"-.56" (1.17-1.42)	660	850	66	85	6" (15.24)	5.25" (13.33)	**02216005**	**02416005**
.52"-.62" (1.32-1.57)	790	1,050	79	105	7" (17.78)	6.25" (15.87)	**02216006**	**02416006**
.58"-.68" (1.47-1.73)	790	1,050	79	105	7" (17.78)	6¼ " (16.51)	**02216007**	**02416007**
.64"-.75" (1.63-1.90)	790	1,050	79	105	7" (17.78)	6.75" (17.14)	**02216008**	**02416008**
.70"-.81" (1.78-2.06)	790	2,050	79	205	7" (17.78)	7.25" (18.41)	**02216009**	**02416009**
.75"-.87" (1.90-2.21)	1,020	2,050	102	205	8" (20.32)	8" (20.32)	**02216010**	**02416010**
.81"-.94" (2.06-2.39)	1,020	2,050	102	205	8" (20.32)	8.25" (20.95)	**02216011**	**02416011**
.87"-1.00" (2.21-2.54)	1,020	—	102	—	8" (20.32)	8.75" (22.22)	**02216012**	**—**
.94"-1.06" (2.39-2.69)	1,020	2,050	102	205	9" (22.86)	9" (22.86)	**02216013**	**02416013**
1.00"-1.18" (2.54-3.00)	1,020	2,050	102	205	9" (22.86)	9.5" (24.13)	**02216014**	**02416014**
1.06"-1.25" (2.69-3.17)	1,020	2,050	102	205	9" (22.86)	9.5" (24.13)	**02216015**	**02416015**

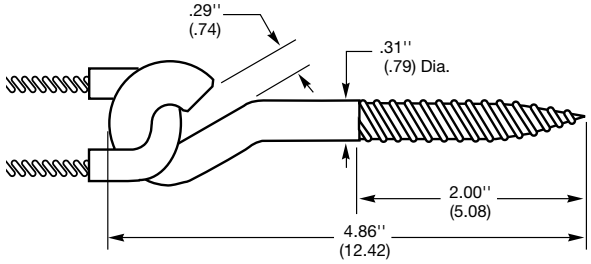
Heavy Duty, Single Eye, Closed Mesh, Multi-Weave



For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. Tin-Coated Bronze	Approx. Breaking Strength Lbs. Stainless Steel	Working Load Lbs. Tin-Coated Bronze	Working Load Lbs. Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.23"-.31" (.58-.79)	500	1,400	50	140	5" (12.70)	4.5" (11.43)	**02217001**	**02417001**
.29"-.37" (.74-.94)	500	1,150	50	115	5" (12.70)	5.5" (13.97)	**02217002**	**02417002**
.35"-.44" (.89-1.12)	870	1,700	87	170	6" (15.24)	6.5" (16.51)	**02217003**	**02417003**
.41"-.50" (1.04-1.27)	870	1,700	87	170	6" (15.24)	7.5" (19.05)	**02217004**	**02417004**
.46"-.56" (1.17-1.42)	1,050	2,100	105	210	6" (15.24)	8" (20.32)	**02217005**	**02417005**
.52"-.62" (1.32-1.57)	1,050	2,100	105	210	7" (17.78)	8.5" (21.59)	**02217006**	**02417006**
.58"-.68" (1.47-1.73)	1,050	2,100	105	210	7" (17.78)	9.5" (24.13)	**02217007**	**02417007**
.64"-.75" (1.63-1.90)	1,390	4,161	139	416	7" (17.78)	9.5" (24.13)	**02217008**	**02417008**
.70"-.81" (1.78-2.06)	1,390	4,100	139	410	8" (20.32)	10.5" (26.67)	**02217009**	**02417009**
.75"-.87" (1.90-2.21)	1,390	—	139	—	8" (20.32)	10.5" (26.67)	**02217010**	**—**
.81"-.94" (2.06-2.39)	1,390	—	139	—	8" (20.32)	10.5" (26.67)	**02217011**	**—**
.87"-1.00" (2.21-2.54)	1,790	5,350	179	535	8" (20.32)	11.5" (29.21)	**02217012**	**02417012**
.94"-1.06" (2.39-2.69)	1,790	5,300	179	530	9" (22.86)	12.5" (31.75)	**02217013**	**02417013**
1.00"-1.18" (2.54-3.00)	1,790	5,300	179	530	9" (22.86)	13.5" (34.29)	**02217014**	**02417014**
1.06"-1.25" (2.69-3.17)	1,790	5,350	179	535	9" (22.86)	14.5" (36.83)	**02217015**	**02417015**

Note: E-Eye length. M-Mesh length at nominal diameter.



Screw Hook
Catalog Number **20303001**
Yield Strength 900 lbs (4003 N)

Dimensions in Inches (mm)

Service Drop Grips

Universal Eye, Tin-Coated Bronze.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

Light Duty, Universal Eye, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.23"-.31" (.58-.79)	290	29	9" (22.86)	3.75" (9.52)	**02216016**
.29"-.37" (.74-.94)	290	29	10" (25.40)	4.25" (10.79)	**02216017**
.35"-.44" (.89-1.12)	500	50	10" (25.40)	4.75" (12.06)	**02216018**
.41"-.50" (1.04-1.27)	500	50	11" (27.94)	5" (12.70)	**02216019**
.46"-.56" (1.17-1.42)	660	66	12" (30.48)	5.25" (13.33)	**02216020**
.52"-.62" (1.32-1.57)	790	79	13" (33.02)	6.25" (15.87)	**02216021**
.58"-.68" (1.47-1.73)	790	79	13" (33.02)	6.5" (16.51)	**02216022**
.64"-.75" (1.63-1.90)	790	79	13" (33.02)	6.75" (17.14)	**02216023**
.70"-.81" (1.78-2.06)	790	79	13" (33.02)	7.25" (18.41)	**02216024**
.75"-.87" (1.90-2.21)	1,020	102	14" (35.56)	8" (20.32)	**02216025**
.81"-.94" (2.06-2.39)	1,020	102	14" (35.56)	8.25" (20.95)	**02216026**
.87"-1.00" (2.21-2.54)	1,020	102	14" (35.56)	8.75" (22.22)	**02216027**
.94"-1.06" (2.39-2.69)	1,020	102	15" (38.10)	9" (22.86)	**02216028**
1.00"-1.18" (2.54-3.00)	1,020	102	15" (38.10)	9.5" (24.13)	**02216029**
1.06"-1.25" (2.69-3.17)	1,020	102	15" (38.10)	9.5" (24.13)	**02216030**

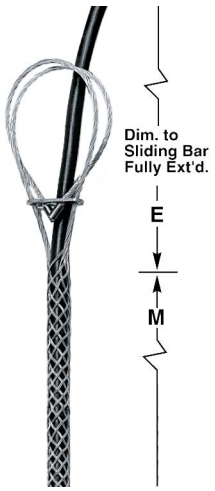


Heavy Duty, Universal Eye, Closed Mesh, Multi-Weave

For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.23"-.31" (.58-.79)	500	50	11" (27.94)	4.5" (11.43)	**02217016**
.28"-.37" (.74-.94)	500	50	11" (27.94)	5.5" (13.97)	**02217017**
.35"-.44" (.89-1.12)	870	87	12" (30.48)	6.5" (16.51)	**02217018**
.41"-.50" (1.04-1.27)	870	87	12" (30.48)	7.5" (19.05)	**02217019**
.46"-.56" (1.17-1.42)	1,050	105	12" (30.48)	8" (20.32)	**02217020**
.52"-.62" (1.32-1.57)	1,050	105	13" (33.02)	8.5" (21.59)	**02217021**
.58"-.68" (1.47-1.73)	1,050	105	13" (33.02)	9.5" (24.13)	**02217022**
.64"-.75" (1.63-1.90)	1,390	139	13" (33.02)	9.5" (24.13)	**02217023**
.70"-.81" (1.78-2.06)	1,390	139	14" (35.56)	10.5" (26.67)	**02217024**
.75"-.87" (1.90-2.21)	1,390	139	14" (35.56)	10.5" (26.67)	**02217025**
.81"-.94" (2.06-2.39)	1,390	139	14" (35.56)	10.5" (26.67)	**02217026**
.87"-1.00" (2.21-2.54)	1,790	179	14" (35.56)	11.5" (29.21)	**02217027**
.94"-1.06" (2.39-2.69)	1,790	179	15" (38.10)	12.5" (31.75)	**02217028**
1.00"-1.18" (2.54-3.00)	1,790	179	15" (38.10)	13.5" (34.29)	**02217029**
1.06"-1.25" (2.69-3.17)	1,790	179	15" (38.10)	14.5" (36.83)	**02217030**

Note: E-Eye length. M-Mesh length at nominal diameter.



Dimensions in Inches (mm)

Bus Drop Support Grips

Single Eye, Universal Eye, Galvanized Steel.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.



Safety Spring

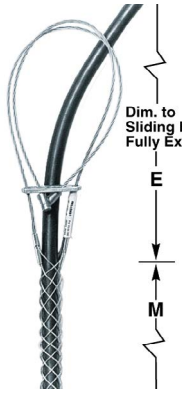
Maximum Deflection Inches/Lbs (cm/N)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Length* Inches (cm)	Diameter Inches (cm)	Model Lbs. (N)	Catalog Number
2¾" at 40 lbs. (6.98 at 178)	500	50	8.25" (20.95)	.75" (1.90)	40 lb. spring (178)	**20302001**
3⅛" at 80 lbs. (7.94 at 356)	850	85	8.25" (20.95)	1" (2.54)	80 lb. spring (356)	**20302002**

Note: Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.
**No load.*



Single Eye, Wide Range

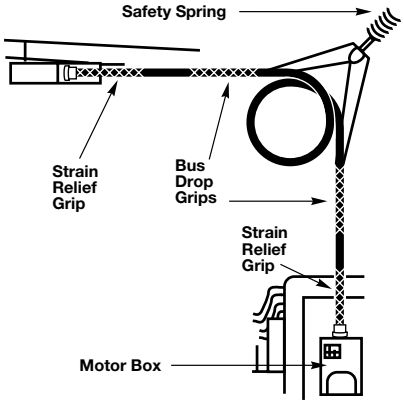
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.24"-.32" (.61-.81)	350	35	3" (7.62)	3.5" (8.89)	**073041276****
.32"-.43" (.81-1.09)	450	45	4" (10.16)	4" (10.16)	**073041277**
.43"-.56" (1.09-1.42)	550	55	6" (15.24)	4.75" (12.06)	**073041278**
.56"-.73" (1.42-1.85)	1,000	100	7" (17.78)	6" (15.24)	**073041279**
.73"-.85" (1.85-2.16)	1,400	140	7" (17.78)	6.75" (17.14)	**073041280**
.85"-1.00" (2.16-2.54)	1,400	140	8" (20.32)	8" (20.32)	**073041281**
1.00"-1.25" (2.54-3.17)	1,500	150	9" (22.86)	9.5" (24.13)	**073041282**



Universal Eye, Wide Range

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.32"-.43" (.81-1.09)	450	45	10" (25.40)	4" (10.16)	**073041284**
.43"-.56" (1.09-1.42)	550	55	12" (30.48)	4.75" (12.06)	**073041285**
.56"-.73" (1.42-1.85)	1,000	100	13" (33.02)	6" (15.24)	**073041286**
.73"-.85" (1.85-2.16)	1,400	140	13" (33.02)	6.75" (17.14)	**073041287**
.85"-1.00" (2.16-2.54)	1,400	140	14" (35.56)	8" (20.32)	**073041288**
1.00"-1.25" (2.54-3.17)	1,500	150	15" (38.10)	9.5" (24.13)	**073041289**

Note: E-Eye length. M-Mesh length at nominal diameter.
***Item indicated is not UL listed.*



Bus Drop Grips and Safety Springs

Kellems Bus Drop Grips are offered with either a single eye or universal bale attachment. The mesh is single weave galvanized steel with the patented wide range construction. They are suitable for indoor use only. Consult Technical Service for Stainless Steel Grips.

Application

Bus Drop Grips provide a safe, easy and economical method to support flexible cord or bus drop cable at bus duct and other industrial areas.

Benefits

- Easily installed
- Absorb tension, vibration and pull with no cable damage
- Patented mesh construction

Safety Spring

Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.

Dimensions in Inches (mm)

Conduit Riser Grips

Single Weave, Closed Mesh

Kellems® Conduit Riser Support Grips are available in closed mesh and in split mesh with lace or rod closures, to cover all applications including single cable or multiple wire support. Refer to page W-37 for grip selection assistance for cable bundles. The standard material is tin-coated bronze strand. The grip is permanently fastened to a support ring, resulting in a one piece unit which will allow air ventilation within the conduit. The ring will fit standard electrical rigid metal conduit and schedule 40 rigid PVC conduit only. See page W-32 for ring dimensions. For permanent support when cable end is available to be installed through the grip.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.



IMPORTANT:

Recommended safety factor is ten for catalog listed support grips.

Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.50"- .62" (1.27-1.57)	.63"-.74" (1.60-1.88)	.75"- .99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"-1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50" -2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50"- 3.99" (8.89-10.13)
Model	**R050**	**R062**	**R075**	**R100**	**R125**	**R150**	**R175**	**R200**	**R250**	**R300**	**R350**
Length In. (cm)	8" (20.32)	9" (22.86)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches	Catalog Number Approx. Breaking Strength Lbs. (N)										
¾	**02211106** 530 (2,357)	—	—	—	—	—	—	—	—	—	—
1	**02211100** 490 (2,179)	**02211101** 790 (3,514)	—	—	—	—	—	—	—	—	—
1¼	**02211001** 450 (2,002)	**02211002** 740 (3,292)	**02211003** 1,030 (4,581)	—	—	—	—	—	—	—	—
1½	—	**02211006** 690 (3,069)	**02211007** 970 (4,315)	**02211009** 1,610 (7,161)	—	—	—	—	—	—	—
2	—	**02211107** 640 (2,847)	**02211010** 920 (4,092)	**02211012** 1,520 (6,761)	**02211013** 1,610 (7,161)	—	—	—	—	—	—
2½	—	—	—	—	**02211017** 1,510 (6,716)	**02211018** 1,610 (7,161)	**02211019** 2,150 (9,563)	—	—	—	—
3	—	—	—	**02211022** 1,340 (5,960)	**02211023** 1,400 (6,227)	**02211024** 1,490 (6,627)	**02211025** 1,990 (8,851)	**02211026** 3,260 (14,500)	—	—	—
3½	—	—	—	—	—	—	—	**02211033** 2,970 (13,211)	**02211034** 3,260 (14,500)	—	—
4	—	—	—	—	—	—	**02211040** 1,670 (7,248)	**02211041** 2,680 (11,921)	**02211042** 2,890 (12,855)	**02211043** 4,080 (18,148)	—
5	—	—	—	—	—	—	—	—	**02211061** 2,150 (9,563)	**02211062** 2,860 (12,721)	**02211063** 3,130 (13,922)
6	—	—	—	—	—	—	—	—	—	**02211072** 2,245 (9,986)	**02211073** 2,245 (9,986)

Note: See page W-37 for multiple cables in a single conduit riser grip.

Dimensions in Inches (mm)

Conduit Riser Grips

Double Weave, Split Mesh, Lace Closing

Kellems® Conduit Riser Support Grips will support cable runs in vertical or sloping standard rigid conduit. The grip is fastened to a support ring which seats on the rim of the conduit. The entire grip is supported by the conduit itself and no other hardware is required. See page W-32 for ring dimensions. The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only. For permanent support when cable end is not available.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.



IMPORTANT:

Recommended safety factor is ten for catalog listed support grips.

Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.75"- .99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"- 1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50"- 2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50" -3.99" (8.89-10.13)
Model	**RS075**	**RS100**	**RS125**	**RS150**	**RS175**	**RS200**	**RS250**	**RS300**	**RS350**
Length In. (cm)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches	Catalog Number Approx. Breaking Strength Lbs. (N)								
1¼	**02212003** 1,580 (7,028)	—	—	—	—	—	—	—	—
1½	**02212007** 1,500 (6,672)	—	—	—	—	—	—	—	—
2	**02212010** 1,430 (6,361)	**02212012** 1,930 (8,585)	**02212013** 2,040 (9,074)	—	—	—	—	—	—
2½	—	—	**02212017** 1,910 (8,496)	**02212018** 2,040 (9,074)	—	—	—	—	—
3	—	—	**02212023** 1,780 (7,917)	**02212024** 1,890 (8,407)	**02212025** 2,520 (11,209)	**02212026** 4,300 (19,126)	—	—	—
3½	—	—	—	—	—	**02212033** 3,910 (17,392)	**02212034** 4,300 (19,126)	—	—
4	—	—	—	—	**02212040** 2,110 (9,385)	**02212041** 3,530 (15,701)	**02212042** 3,820 (16,991)	**02212043** 5,380 (23,930)	—
5	—	—	—	—	—	—	**02212061** 2,860 (12,721)	—	—
6	—	—	—	—	—	—	—	—	**02212073** 2,955 (13,144)

Note: See page W-37 for multiple cables in a single conduit riser grip.

Dimensions in Inches (mm)

Conduit Riser Grips

Single Weave, Split Mesh, Rod Closing

- Easy and fast to install
- Will not damage electrical cable
- Allows cable to expand or contract
- Ideal way to hold cable in vertical conduit
- Prevents cable creep in conduit
- Helps prevent cable pullouts
- The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only
- For support when cable end is not available

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.



IMPORTANT:

Recommended safety factor is ten for catalog listed support grips.

Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.75"- .99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"- 1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50"- 2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50" -3.99" (8.89-10.13)
Model	**RR075**	**RR100**	**RR125**	**RR150**	**RR175**	**RR200**	**RR250**	**RR300**	**RR350**
Length In. (cm)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches	Catalog Number Approx. Breaking Strength Lbs. (N)								
1¼	**02213003** 1,020 (4,537)	—	—	—	—	—	—	—	—
1½	**02213007** 970 (4,315)	**02213009** 1,610 (7,161)	—	—	—	—	—	—	—
2	—	**02213012** 1,520 (6,761)	**02213013** 1,610 (7,161)	—	—	—	—	—	—
2½	—	—	**02213017** 1,510 (6,716)	**02213018** 1,610 (7,161)	—	—	—	—	—
3	—	—	**02213023** 1,400 (6,227)	**02213024** 1,490 (6,627)	**02213025** 1,990 (8,851)	**02213026** 3,260 (14,500)	—	—	—
3½	—	—	—	—	—	**02213033** 2,970 (13,211)	—	—	—
4	—	—	—	—	—	**02213041** 2,670 (11,876)	**02213042** 2,890 (12,855)	—	—

Note: See page W-37 for multiple cables in a single conduit riser grip.

Dimensions in Inches (mm)

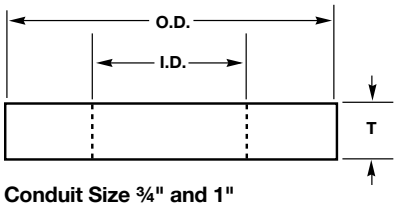
Conduit Ring Dimensions

Ring dimensions are found in the chart below. The ring material is corrosion resistant. These rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only.

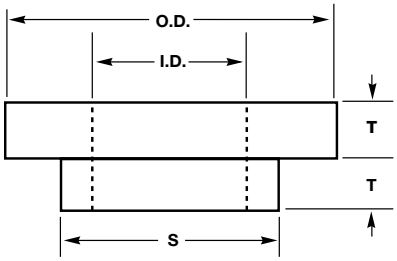
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.



Conduit Size ¾" and 1"



Conduit Size 1¼" to 6"

Conduit Size Inches	Ring Number	O.D. Inches (cm)	I.D. Inches (cm)	S Inches (cm)	T Inches (cm)
¾	C-¾	.94" (2.39)	.62" (1.57)	—	.19" (.48)
1	C-1	1.17" (2.97)	.80" (2.03)	—	.19" (.48)
1¼	C-1¼	1.50" (3.81)	1.03" (2.62)	1.31" (3.33)	.16" (.41)
1½	C-1½	1.76" (4.47)	1.23" (3.12)	1.52" (3.86)	.16" (.41)
2	C-2	2.23" (5.66)	1.55" (3.94)	1.97" (5.00)	.16" (.41)
2½	C-2½	2.67" (6.78)	2.05" (5.21)	2.40" (6.10)	.16" (.41)
3	C-3	3.20" (8.13)	2.55" (6.48)	2.97" (7.54)	.22" (.56)
3½	C-3½	3.80" (9.65)	3.05" (7.75)	3.47" (8.81)	.22" (.56)
4	C-4	4.30" (10.92)	3.55" (9.02)	3.94" (10.01)	.22" (.56)
4½	C-4½	4.80" (12.19)	4.03" (10.24)	4.45" (11.30)	.22" (.56)
5	C-5	5.30" (13.46)	4.46" (11.33)	4.96" (12.60)	.22" (.56)
6	C-6	6.30" (16.00)	5.36" (13.61)	5.96" (15.14)	.25" (.63)

Kellems® Support Grips

Kellems Support Grips are used to hold the weight of electrical cable as it hangs in a vertical, sloping or horizontal position. Electrical cable must be supported, or its dead weight can cause excessive strain or pullout at the connections resulting in power failure. Support grips also absorb additional strain from flexure, vibration, expansion and contraction. Kellems Support Grips listed in this catalog are made of high grade, non-magnetic tin-coated bronze strand. Stainless steel grips, made of alloy 302–304 SST for severe service or unusual environmental conditions, are available on request.

Select the Correct Support Grip

Each Kellems grip is designed to work on a specific range of cable diameters.

Step 1 Refer to the Kellems chart below to determine the grip style best suited for your application.

Step 2 Determine your cable outside diameter.

Step 3 Find the grip size that encompasses your cable diameter.

Step 4 Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.

Step 5 Where available, select an eye style that suits your needs.

Step 6 Select the proper material—tinned bronze or stainless steel*.

Step 7 Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page W-34 for safety and working load considerations.

WARNING: **It is very important to read and understand all safety information before proceeding. Failure to use as directed may result in property damage, personal injury or death.**

Grips are to be installed and utilized by a qualified technician in accordance with all applicable national and local safety and electrical codes. Consult a licensed project safety professional, if necessary.
Ensure that the correct grip is selected for your specific needs. Grips should only be used for their intended purpose and not for other applications.
Banding the tail end of the grip is required to prevent unintended release of the grip's hold from the cable and to achieve maximum gripping strength
The strength of a Kellems grips is based on laboratory testing and does not evaluate variable conditions such as cable type, gripping surfaces, cable movement or impact loads. Suitability for the application must be determined by the user.
Thoroughly examine the condition of the grip prior to each use. Grips that are worn, bent, corroded, or show other signs of damage, such as frayed or broken wires, should never be used and must be replaced.
Do not modify the grip in any way.
Ensure that the recommended work load of the grip is suitable for the application. Never use a grip beyond its safe working load, which is the approximate breaking strength divided by the factor of safety. The recommended factor of safety is five (5) for pulling grips and ten (10) for support grips.
Pulling hardware should only be attached to the eye of the grip.
A swivel is recommended for attachment to the grip's eye in applications where torque release is necessary. Torque can build up in high tension pulling applications.
Do not run grips and swivels around sheaves or bull wheels while under tension.
For synthetic rope, use Kellems Dua-Pull Grips only.

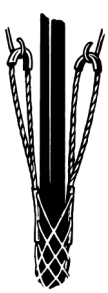
Support Grip Selection Chart

Grip Styles	Application
Closed mesh	Standard, permanent support, cable end available.
Split lace closing	Standard, permanent support, cable end unavailable.
Split rod closing	Standard, temporary support, cable end unavailable. Tape or band tail end of wire mesh grip after positioning for permanent support.
Material*	Tin-coated bronze standard or stainless steel by special request.
Standard support grips	Support vertical runs to 99 ft. loads to 600 lbs.
Heavy duty grips	Support vertical runs over 100 ft. loads over 600 lbs.
Service drop	Light duty to support service entrance cable.
Bus drop	Light duty support, indoors only, on Bus drop cable.
Conduit riser	Support cable runs in rigid (Schedule 40) conduit.
Fiber optic cable support grips	Support fiber optic cable.

*Note: *Most catalog listed support grips are made of tin-coated bronze strand. To order stainless steel support grips, change the first three catalog number digits from 022-0X-xxx to 024-0X-xxx. Consult Technical Service for details.*

Eye Styles


Single


Double


Universal


Offset

Safety and Working Load Factors for Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known, or where risk of injury to persons or property is involved, a greater safety factor should be utilized.

IMPORTANT:

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained, and inspected by the user at a frequency appropriate for the use and condition of the grip.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Recommended Load Lbs. (N)	Catalog Number
Pulling Grips	27,200 (120,986)	5	5,440 (24,197)	**03301027**
Support Grips	1,610 (7,161)	10	161 (716)	**02202019**

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable for the application.

The metric unit of measure (force) for breaking strength and load is newtons (N). To convert from newtons to the metric unit of weight (kilograms) the conversion factor is 9.808 newtons/kilogram.

Support Grip Materials

Material	Features	Grip Type
Tin-coated bronze wire	• Corrosion resistant for normal outside areas • Non-magnetic • Moderate strength	• Support grips • Service drop grips • Conduit riser grips
Stainless steel wire (302-304)	• High strength • Corrosion resistant	• Support grips • Hose containment grips
Galvanized steel wire	• Slightly magnetic • Not subject to continuous outside environment	• Bus drop grips
Non-metallic aramid fiber	• Corrosion resistant for highly corrosive gases	• Support grips

Approvals

CSA Certifications are indicated on appropriate product catalog pages.

Note: It is always recommended that the tail end of the grip be banded after the installation on the cable to prevent accidental release of the mesh.
See page W-16 for end bands.

Split Support Grip Lace Closing Instructions

Single Weave Grips should be laced with single strand lacing; double weave with double strand. Lacing strands should be the same material as the grip. Kellems supplies the appropriate lacing with each grip.

1. Start the lacing at the lead or anchoring end of the grip. Thread the lacings through the first two loops of the split and pull through until the lacings are centered at this point. Lace as you would your shoe, crossing the lacings before lacing the next two loops.
2. Don't pull lacing too tight. Leave a space between adjoining loops approximately equal to the width of one diamond of the mesh.
3. Twist the lacing strands tightly together at the tail end of the grip.
4. Wrap the ends of the lacings once or twice tightly around the tail of the grip, twisting the ends together securely. Excess lace can be cut off.







Split Support Grip Rod Closing Instructions

The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

1. **Fast to install**
   Wrap the grip around the cable and thread the rod through the pre-formed loops with a corkscrew motion, using the curved end of the rod to engage the loops.
2. The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod.
3. To remove, simply pull the rod out.






For Support Grips Only*

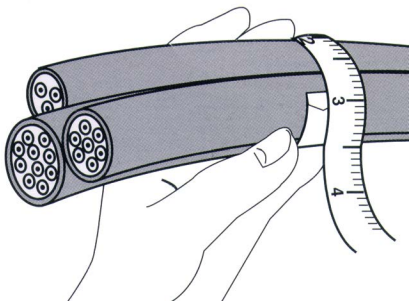
Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).

2. Divide the bundle circumference by 3.14 to determine the diameter.

3. Choose a grip offering a range of cable diameters the same as the cable diameter.



For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: 3 cables, each with .89" (2.26) diameter, for a Closed Grip select the 1.50"-1.74" (3.81-4.42) range, for a Split Grip select the 1.75"-1.99" (4.44-5.05) range.

Number of Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia. Range Inches (cm)
.30-.38 (.76-.97)	.25-.31 (.63-.79)	.22-.27 (.56-.69)	.19-.24 (.48-.61)	.17-.22 (.43-.56)	.15-.19 (.38-.48)	.14-.18 (.36-.46)	.50-.61 (1.27-1.55)
.38-.44 (.97-1.12)	.31-.36 (.79-.91)	.27-.31 (.69-.79)	.24-.29 (.61-.74)	.22-.26 (.56-.66)	.19-.23 (.48-.58)	.18-.21 (.46-.53)	.62-.74 (1.57-1.88)
.44-.59 (1.12-1.50)	.36-.49 (.91-1.24)	.31-.42 (.79-1.07)	.29-.38 (.74-.97)	.26-.34 (.66-.86)	.23-.31 (.58-.79)	.21-.28 (.53-.71)	.75-.99 (1.90-2.51)
.59-.75 (1.50-1.90)	.49-.63 (1.24-1.60)	.42-.54 (1.07-1.37)	.38-.48 (.97-1.22)	.34-.43 (.86-1.09)	.31-.39 (.79-.99)	.28-.35 (.71-.89)	1.00-1.24 (2.54-3.15)
.75-.90 (1.90-2.29)	.63-.76 (1.60-1.93)	.54-.65 (1.37-1.65)	.48-.58 (1.22-1.47)	.43-.52 (1.09-1.32)	.39-.46 (.99-1.17)	.35-.42 (.89-1.07)	1.25-1.49 (3.17-3.78)
.90-1.07 (2.29-2.72)	.76-.89 (1.93-2.26)	.65-.77 (1.65-1.96)	.58-.67 (1.47-1.70)	.52-.60 (1.32-1.52)	.46-.54 (1.17-1.37)	.42-.49 (1.07-1.24)	1.50-1.74 (3.81-4.42)
1.07-1.22 (2.72-3.10)	.89-1.02 (2.26-2.59)	.77-.88 (1.96-2.24)	.67-.77 (1.70-1.96)	.60-.69 (1.52-1.75)	.54-.62 (1.37-1.57)	.49-.56 (1.24-1.42)	1.75-1.99 (4.44-5.05)
1.22-1.53 (3.10-3.89)	1.02-1.28 (2.59-3.25)	.88-1.10 (2.24-2.79)	.77-.96 (1.96-2.44)	.69-.86 (1.75-2.18)	.62-.77 (1.57-1.96)	.56-.71 (1.42-1.80)	2.00-2.49 (5.08-6.32)
1.53-1.83 (3.89-4.65)	1.28-1.53 (3.25-3.89)	1.10-1.32 (2.79-3.35)	.96-1.16 (2.44-2.95)	.86-1.03 (2.18-2.62)	.77-.93 (1.96-2.36)	.71-.85 (1.80-2.16)	2.50-2.99 (6.35-7.59)
1.83-2.14 (4.65-5.44)	1.53-1.79 (3.89-4.55)	1.32-1.54 (3.35-3.91)	1.16-1.35 (2.95-3.43)	1.03-1.20 (2.62-3.05)	.93-1.08 (2.36-2.74)	.85-.99 (2.16-2.51)	3.00-3.49 (7.62-8.86)
2.14-2.44 (5.44-6.20)	1.79-2.05 (4.55-5.21)	1.54-1.76 (3.91-4.47)	1.35-1.54 (3.43-3.91)	1.20-1.37 (3.05-3.48)	1.08-1.24 (2.74-3.15)	.99-1.13 (2.51-2.87)	3.50-3.99 (8.89-10.13)
2.44-2.75 (6.20-6.98)	2.05-2.30 (5.21-5.84)	1.76-1.98 (4.47-5.03)	1.54-1.74 (3.91-4.42)	1.37-1.55 (3.48-3.94)	1.24-1.39 (3.15-3.53)	1.13-1.27 (2.87-3.23)	4.00-4.49 (10.16-11.40)
2.75-3.06 (6.98-7.77)	2.30-2.56 (5.84-6.50)	1.98-2.20 (5.03-5.59)	1.74-1.93 (4.42-4.90)	1.55-1.72 (3.94-4.37)	1.39-1.55 (3.53-3.94)	1.27-1.41 (3.23-3.58)	4.50-4.99 (11.43-12.67)

*Note: *This chart is to be used for determining grip size when multiple cables are held in a single Support Grip. For Conduit Riser multiple cable selection, see page W-37. It is always recommended that, when multiple cables are installed in a Support Grip, the tail end of the grip be banded after installation on the cable bundle. See page Tech-23 for cable and wire charts.*

For Conduit Riser Grips Only*

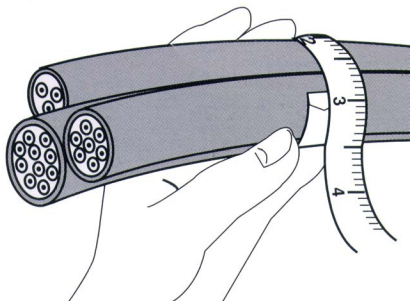
Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).

2. Divide the bundle circumference by 3.14 to determine the diameter.

3. Choose a grip offering a range of cable diameters the same as the cable diameter.



For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: 3 cables, each with .85" (2.16) diameter, for a Closed Grip select the 1.50"-1.74" (3.81-4.42) range, for a Split Grip select the 1.75"-1.99" (4.44-5.05) range.

Number of Equal Diameter Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia. Range Inches (cm)
.29-.36 (.74-.91)	.24-.30 (.61-.76)	.21-.25 (.53-.63)	.18-.22 (.46-.56)	.16-.20 (.41-.51)	.15-.18 (.38-.46)	.14-.17 (.36-.43)	.50-.62 (1.27-1.57)
.37-.43 (.94-1.09)	.31-.36 (.79-.91)	.26-.30 (.66-.76)	.23-.27 (.58-.69)	.21-.24 (.53-.61)	.19-.22 (.48-.56)	.18-.20 (.46-.51)	.63-.74 (1.60-1.88)
.44-.58 (1.12-1.47)	.37-.48 (.94-1.22)	.31-.41 (.79-1.04)	.28-.36 (.71-.91)	.25-.32 (.63-.81)	.23-.29 (.58-.74)	.21-.27 (.53-.69)	.75-.99 (1.90-2.51)
.59-.72 (1.50-1.83)	.49-.60 (1.24-1.52)	.42-.51 (1.07-1.30)	.37-.45 (.94-1.14)	.33-.40 (.84-1.02)	.30-.36 (.76-.91)	.28-.34 (.71-.86)	1.00-1.24 (2.54-3.15)
.73-.87 (1.85-2.21)	.61-.72 (1.55-1.83)	.52-.61 (1.32-1.55)	.46-.54 (1.17-1.37)	.41-.48 (1.04-1.22)	.37-.43 (.94-1.09)	.35-.40 (.89-1.02)	1.25-1.49 (3.17-3.78)
.88-1.01 (2.24-2.57)	.73-.85 (1.85-2.16)	.62-.71 (1.57-1.80)	.55-.63 (1.40-1.60)	.49-.56 (1.24-1.42)	.44-.51 (1.12-1.30)	.41-.47 (1.04-1.19)	1.50-1.74 (3.81-4.42)
1.02-1.16 (2.59-2.95)	.86-.96 (2.18-2.44)	.72-.81 (1.83-2.06)	.64-.72 (1.63-1.83)	.57-.64 (1.45-1.63)	.52-.58 (1.32-1.49)	.48-.54 (1.22-1.37)	1.75-1.99 (4.44-5.05)
1.17-1.44 (2.97-3.66)	.97-1.20 (2.46-3.05)	.82-1.02 (2.08-2.59)	.73-.90 (1.85-2.29)	.65-.80 (1.65-2.03)	.59-.72 (1.50-1.83)	.55-.67 (1.40-1.70)	2.00-2.49 (5.08-6.32)
1.45-1.73 (3.68-4.39)	1.21-1.45 (3.07-3.68)	1.03-1.22 (2.62-3.10)	.91-1.08 (2.31-2.74)	.81-.96 (2.06-2.44)	.73-.87 (1.85-2.21)	.68-.81 (1.73-2.06)	2.50-2.99 (6.35-7.59)
1.74-2.02 (4.42-5.13)	1.46-1.69 (3.71-4.29)	1.23-1.43 (3.12-3.63)	1.09-1.26 (2.77-3.20)	.97-1.11 (2.46-2.82)	.83-1.01 (2.11-2.57)	.82-.94 (2.08-2.39)	3.00-3.49 (7.62-8.86)
2.03-2.31 (5.16-5.87)	1.70-1.93 (4.32-4.90)	1.44-1.63 (3.66-4.14)	1.27-1.44 (3.23-3.66)	1.12-1.27 (2.84-3.23)	1.02-1.15 (2.59-2.92)	.95-1.08 (2.41-2.74)	3.50-3.99 (8.89-10.13)

*Note: *This chart is to be used for determining grip size when multiple cables are held in a single Conduit Riser Grip. For Support Grip multiple cable selection, see page W-36. It is always recommended that, when multiple cables are installed in a Conduit Riser Grip, the tail end of the grip be banded after installation on the cable bundle. See page Tech-23 for cable and wire charts.*

Features and Benefits

Fiber Optic Pulling Grips

Kellems has wide experience with grips for use with fiber optic cable. As the industry leader in producing wire mesh grips for the stringent requirements of fiber optic applications, Kellems has developed several series of grips for use with fiber optic communications cable.

These grips include pulling grips with built in swivels, grips with steel ends to protect fragile cable ends, grips with low profiles to pull cables in tight places and the OPTISOK® an effective tool to place pre-terminated cables. Also available are grips to support fiber optic cable.







Non-Metallic

- OPTISOK® non-metallic fiber optic pulling tool for pre-terminated, inside plant fiber optic cables and bundles of twisted pair



Galvanized Steel

- Pulling grip for loose tube fiber optic cable
- These grips are used for outside plant cable; they are easy to install and remove, reusable and have a slim profile for small build up



Application

- Kellems flexible eye pulling grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures
- They will fit single cables or cable bundles, are easily installed on the cable and are reusable



Comprehensive Offering

- Hubbell offers a full line of fiber optic pulling grips for all application needs
- OPTISOK® Grip is a revolutionary tool to pull pre-terminated fiber optic cables
- They will protect the connectors and guide the bundle through the pulling environment

OPTISOK® Non-Metallic Fiber Optic Pulling Tool for Pre-Terminated, Inside Plant Fiber Optic Cables and Bundles of Twisted Pair

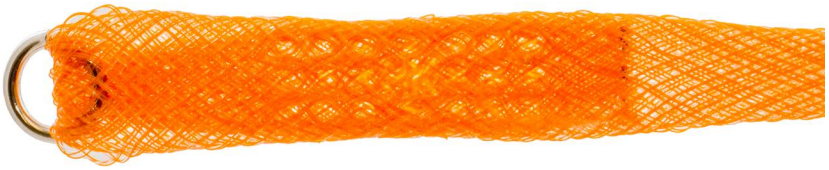
IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-44 and W-45.

Kellems offers a unique and simple to use tool for the installation of pre-connectorized fiber optic cables, jumpers and bundles of twisted pair communication cables - the OPTISOK®.

The OPTISOK® is a highly flexible and expandable non-metallic sleeve open on one end and with a pulling ring on the other. It will expand to enclose the larger group of fiber optic connectors and grab the cable below the connector bundle by wrapping and taping to provide a gripping tool that will grab the cable(s) below the connectors. The pulling ring can be attached to a pulling line or fish tape and the OPTISOK® will act as the pulling tool.

OPTISOK® will contain and protect the connector bundle and save time and labor by making the pulling job easier, protecting the connectors from possible damage during the pull and facilitating the passage of the connector bundle through cramped and tight spaces. The OPTISOK® can be used to pull cables through plenums, underfloor duct, office partitions, raised access floors and conduits. Three sizes are available for all applications.



OPTISOK® Non-Metallic Fiber Optic Pulling Tool

Bundle/Size Range Inches (cm)	Maximum Work Load Lbs.	Approx. O/A Length Inches (cm)	Ring O.D. Inches (cm)	Ring Thickness Inches (cm)	Catalog Number
.125"-.562" (.318-1.427)	30	28" (71.12)	.71" (1.803)	.10" (.254)	**CCPS1**
.250"-.750" (.635-1.905)	40	31" (78.74)	.71" (1.803)	.10" (.254)	**CCPS2**
.750"-1.750" (1.905-4.445)	50	33" (83.82)	1.57" (3.988)	.16" (.406)	**CCPS3**

How to Select OPTISOK®

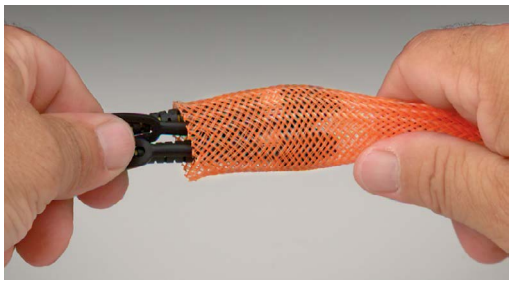
- Identify connector bundle diameter to be inserted into the OPTISOK®.
- Choose appropriate catalog number based on size range.

Installation Information

Step 1	Expand open end of OPTISOK® and gently work in fiber optic connector bundle.
Step 2	Still gently, work connector bundle up to the forward section of the OPTISOK®.
Step 3	Starting at approximately 6" (15.2cm) from tail end of OPTISOK®, tightly fold over the OPTISOK® around cables and tape wrapped section 3" (7.62cm) past tail end onto the bundle.
Step 4	Securely attach pulling line or tape to pulling ring.

Note: To remove OPTISOK® carefully unwrap tape and slide out cables and connectors or cut OPTISOK® away without damaging connectors or cables.

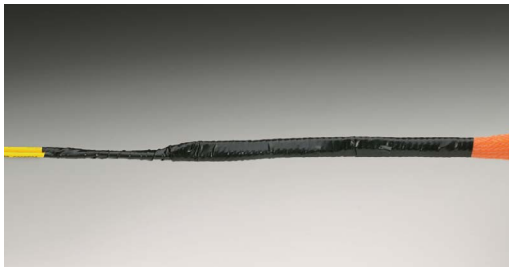
Step 1



Step 2



Step 3



Step 4



Pulling Grip for Loose Tube Fiber Optic Cable, Galvanized Steel

Kellems offers a wire mesh specifically designed to pull loose tube fiber optic cable and meet the special pulling requirements recommended by fiber optic cable manufacturers.

Many fiber optic cable manufacturers require special cable preparation prior to pulling where a short section of the outer jacket is stripped off exposing the aramid strength member. This creates two cable diameters, one including the jacket and a second smaller diameter at the strength member. Kellems fiber grip with its special weave will accommodate and securely grab both diameters, at the outside jacket and the internal aramid strength member.

Additionally, this galvanized steel mesh grip has longer leads at the pulling eye to facilitate pulling the cable up through the top, a very low profile lug and eye to slip through tight areas, and short shoulders to protect the cable while maintaining the slim profile.

The grip can be used to pull cable overhead as well as underground through conduit and duct. It easily mates with a swivel and has the necessary strength to securely make pulls.

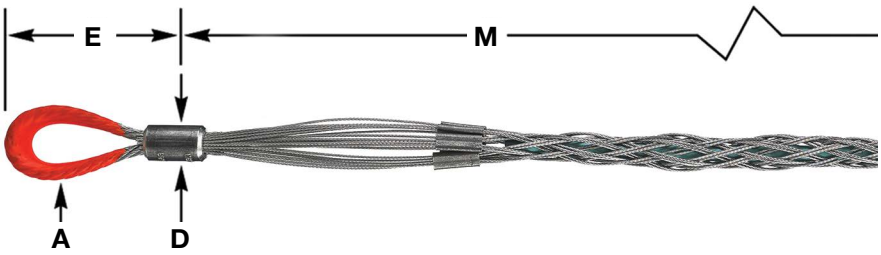
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-44 and W-45.

Application Information

- Prior to pulling cable, follow cable manufacturers' cable preparation recommendations
- Never exceed cable manufacturers' pulling tension recommendations
- Never use grips to approximate breaking strength safety factor of 5 recommended



Pulling Grip For Loose Tube Fiber Optic Cable, Galvanized Steel

Diameter Range Inches (cm)	Maximum Breaking Strength Lbs.	Working Load Lbs.	E Eye Length Inches (cm)	M Mesh Length Inches (cm)	D Lug Diameter Inches (cm)	A Eye Diameter Inches (cm)	Catalog Number
.312"-.625" (.79-1.59)	3,000	600	6.3" (16.00)	22.5" (57.15)	.51" (1.30)	.20" (.51)	**PFOLT312**

Pulling Grips for Other Outside Plant Cables, Swivel Eye, Flexible Eye, Split Style, Low Profile

Kellems Pulling Grips for fiber optic cable are made of high strength galvanized steel strand. They feature a multiweave mesh, with one-half the mesh length double weave, and the second half single weave. This special weave provides positive holding power while allowing the grip to remain flexible with no damage to the cable jacket. Added features include a steel nose cone which protects the cable end and allows the grip to pass easily through conduit and enclosures. The eye connects easily to a swivel or a pulling line. Several grip sizes are available to accommodate all diameters of fiber optic cable.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

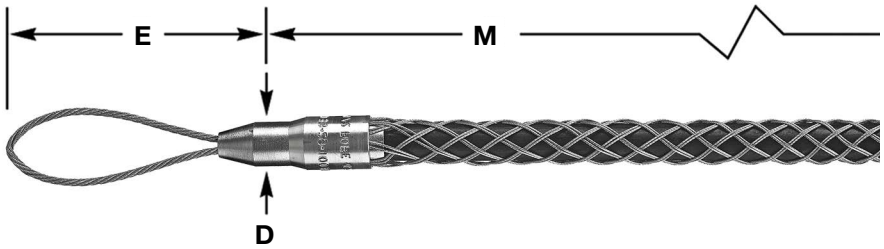
Refer to pages W-44 and W-45.

Application

Kellems Flexible Eye Pulling Grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable and are reusable.

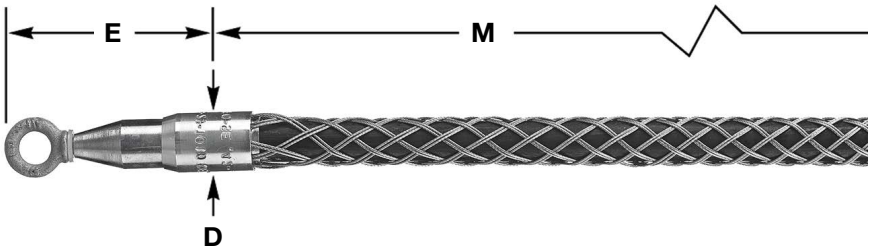
Benefits

- High strength multiweave mesh for positive holding power
- Highly flexible mesh to follow the pulling path of the cable
- Steel nose cone reduces snags and hang-ups and protects cable end
- Easily installed and removed
- A dependable, reusable pulling tool



Fiber Optic Pulling Grip, Flexible Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	D Approx. Inches (cm)	Catalog Number
.10"-.22" (.25-.56)	1,000	200	5.5" (14)	9" (23)	0.8" (2)	**033291000**
.21"-.35" (.53-.89)	1,500	300	5.5" (14)	14" (36)	0.8" (2)	**033291001**
.32"-.48" (.81-1.22)	2,200	440	6.0" (15)	18" (46)	0.9" (2.29)	**033291002**
.42"-.61" (1.07-1.55)	2,800	560	6.0" (15)	21" (53)	0.9" (2.29)	**033291003**
.53"-.74" (1.35-1.88)	3,300	660	6.5" (17)	24" (61)	1.3" (3.30)	**033291004**
.64"-.87" (1.63-2.21)	4,700	940	6.5" (17)	27" (69)	1.3" (3.30)	**033291005**



Fiber Optic Pulling Grip, Swivel Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	D Approx. Inches (cm)	Catalog Number
.21"-.35" (.53-.89)	1,500	300	4.0" (10.16)	14" (35.56)	0.9" (2.29)	**033291008**
.32"-.48" (.81-1.22)	2,200	440	4.0" (10.16)	18" (45.72)	0.9" (2.29)	**033291009**
.42"-.61" (1.07-1.55)	2,800	560	4.0" (10.16)	21" (53.34)	0.9" (2.29)	**033291010**
.53"-.74" (1.35-1.88)	3,250	650	4.8" (12.19)	24" (60.96)	1.3" (3.30)	**033291011**
.64"-.87" (1.63-2.21)	4,700	940	4.8" (12.19)	27" (68.58)	1.3" (3.30)	**033291012**

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Pulling Grips for Other Outside Plant Cables, Swivel Eye, Flexible Eye, Split Style, Low Profile

Kellems Pulling Grips for fiber optic cable are made of high strength galvanized steel strand. They feature a multiweave mesh, with one-half the mesh length double weave, and the second half single weave. This special weave provides positive holding power while allowing the grip to remain flexible with no damage to the cable jacket. Added features include a steel nose cone which protects the cable end and allows the grip to pass easily through conduit and enclosures. The eye connects easily to a swivel or a pulling line. Several grip sizes are available to accommodate all diameters of fiber optic cable.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

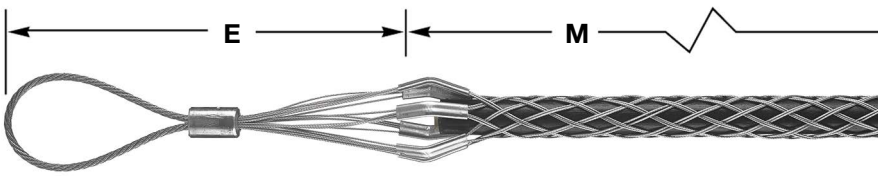
Refer to pages W-44 and W-45.

Application

Kellems Flexible Eye Pulling Grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable and are reusable.

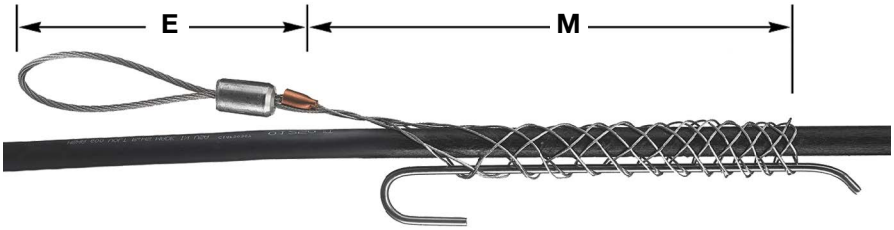
Benefits

- High strength multiweave mesh for positive holding power
- Highly flexible mesh to follow the pulling path of the cable
- Steel nose cone reduces snags and hang-ups and protects cable end
- Easily installed and removed
- A dependable, reusable pulling tool



Fiber Optic Pulling Grip, Flexible Eye, Low Profile, Double/Single Weave Mesh

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.10"-.22 (.25-.56)	900	180	7.5" (19)	10" (25)	**033291193**
.21"-.35" (.53-.89)	1,400	280	7.5" (19)	14" (36)	**033291194**
.32"-.48" (.81-1.22)	2,000	400	8.5" (22)	19" (48)	**033291195**
.42"-.61" (1.07-1.55)	2,500	500	8.5" (22)	21" (53)	**033291196**
.53"-.74" (1.35-1.88)	3,000	600	8.5" (22)	23" (58)	**033291197**
.64"-.87" (1.63-2.21)	4,200	840	8.5" (22)	25" (64)	**033291198**
.75"-1.00" (1.90-2.54)	4,200	840	8.5" (22)	28" (71)	**033291199**



Fiber Optic Slack Pulling Grip, Split Mesh, Rod Closing, Single Weave

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.25"-.37" (.63-.94)	300	60	3" (7.6)	4.7" (12)	**033291015**
.38"-.49" (.97-1.24)	800	160	3" (7.6)	5" (13)	**033291016**
.50"-.61" (1.27-1.55)	800	160	3" (7.6)	7.5" (19)	**033291017**
.62"-.74" (1.57-1.88)	1,200	240	3" (7.6)	8" (20)	**033291018**

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Fiber Optic Support Grips

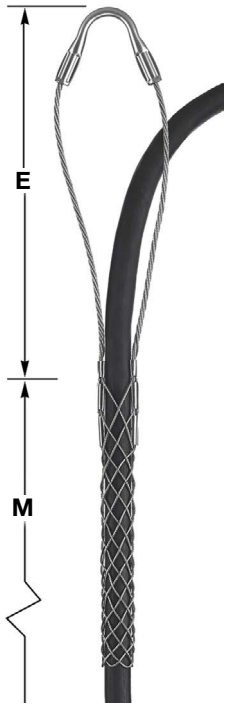
Kellems Support Grips for fiber optic cable are specially designed to hold the cable weight as it hangs in a vertical or horizontal position. Fiber optic cable must be supported and Kellems Grips provide the support easily and economically.

These grips are made of high grade, non-magnetic tin-coated bronze strand. They are offered in universal bale or single eye configurations and are available in either closed mesh (for use where the cable end is available) or in split mesh, rod closing (for installation on existing cable runs or at specific locations).

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

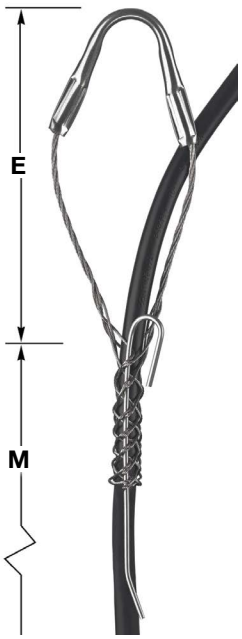
Refer to pages W-44 and W-45.



Fiber Optic Single Eye Cable Support Grip, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.18"-.25" (.46-.63)	300	30	3" (7.6)	1.7" (4.3)	**022291000**
.23"-.32" (.58-.81)	300	30	3" (7.6)	2.5" (6.4)	**022291001**
.30"-.39" (.76-.99)	300	30	4" (10)	2.5" (6.4)	**022291002**
.37"-.48" (.94-1.22)	300	30	5" (13)	4" (10)	**022291003**
.46"-.58" (1.17-1.47)	400	40	6" (15)	4" (10)	**022291004**
.56"-.71" (1.42-1.80)	600	60	7" (18)	5.5" (14)	**022291005**
.69"-.88" (1.75-2.24)	800	80	8" (20)	6" (15)	**022291006**



Fiber Optic Single Eye Cable Support Grip, Split Mesh, Rod Closing, Single Weave

For support when cable end not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.18"-.25" (.46-.63)	300	30	3" (7.6)	2.5" (6.4)	**022291016**
.23"-.32" (.58-.81)	300	30	3" (7.6)	2.5" (6.4)	**022291017**
.30"-.39" (.76-.99)	300	30	4" (10)	2.5" (6.4)	**022291018**
.37"-.48" (.94-1.22)	300	30	5" (13)	4" (10)	**022291019**
.46"-.58" (1.17-1.47)	400	40	6" (15)	5" (13)	**022291020**
.56"-.71" (1.42-1.80)	600	60	7" (18)	5" (13)	**022291021**
.69"-.88" (1.75-2.24)	800	80	8" (20)	6" (15)	**022291022**

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Support Grips for Fiber Optic Cable

Kellems Support Grips for fiber optic cable are specially designed to hold the cable weight as it hangs in a vertical or horizontal position. Fiber optic cable must be supported and Kellems Grips provide the support easily and economically.

These grips are made of high grade, non-magnetic tin-coated bronze strand. They are offered in universal bale or single eye configurations and are available in either closed mesh (for use where the cable end is available) or in split mesh, rod closing (for installation on existing cable runs or at specific locations).

Split Support Grip Rod Closing Instructions

The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

Fast to Install

Step 1	Wrap the grip around the cable and thread the rod through the preformed loops with a corkscrew motion, using the curved end of the rod to engage the loops.
Step 2	The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod.
Step 3	To remove, simply pull the rod out.






Kellems has wide experience with grips for use with fiber optic cable. As the industry leader in producing wire mesh grips for the stringent requirements of fiber optic applications, Kellems has developed several series of grips for use with fiber optic communications cable.

These grips include pulling grips with built in swivels, grips with steel ends to protect fragile cable ends, grips with low profiles to pull cables in tight places and the OPTISOK® an effective tool to place pre-terminated cables. Also available are grips to support fiber optic cable.

Select the Correct Fiber Optic Grip

Each Kellems grip is designed to work on a specific range of cable diameters.

Step 1	Determine your cable outside diameter.
Step 2	Find the grip size that encompasses your cable diameter.
Step 3	Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.
Step 4	Where available, select an eye style that suits your needs.
Step 5	Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough.

Safety And Working Load Factors For Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known or where risk of injury to persons or property is involved, a greater safety factor should be utilized.

IMPORTANT:

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained and inspected by the user at a frequency appropriate for the use and condition of the grip.

For grip applications on materials other than those that the grips have been specifically designed for, consult the factory.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Recommended Load Lbs. (N)	Catalog Number
Pulling Grips	2,500 (11,120)	5	500 (2,224)	**033291196**
Support Grips	400 (1,779)	10	40 (178)	**022291004**

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable to for the application.

Fiber Optic Grip Materials

Material	Features	Product Group
Galvanized steel wire	• High strength • Not subject to continuous outside environment	• Pulling grips
Tin-coated bronze wire	• Corrosion resistant for normal outside areas • Non-magnetic • Moderate strength	• Support grips
Non-metallic braid	• Superior flex life • Non-conductive • Corrosion resistant • Moderate strength	• OPTISOK®

Approvals

CSA Certification is indicated on appropriate product catalog pages.

Hose Containment Grips

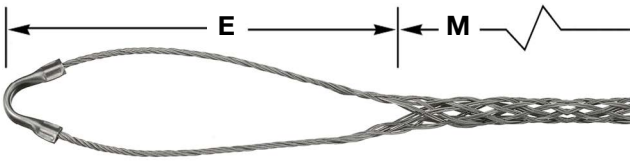
Kellems® Hose Containment Grips are used on high pressure, flexible hose lines to prevent the hose from whipping violently in the event of hose failure at the fitting. These grips will prevent serious injury to personnel and damage to equipment by holding the hose in place in the event of hose failure.

Kellems® patented Hose Containment Grips are made of stainless steel double weave mesh construction for high strength and come complete with hose clamps.

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.

Types of Attachment

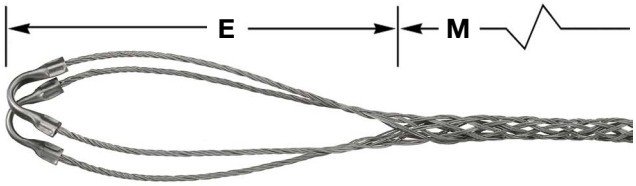
The six attachment methods shown below provide unlimited flexibility of attachment to meet any condition.



Type A

Single Eye, used where fastening is made with eyebolts or similar anchor terminations.

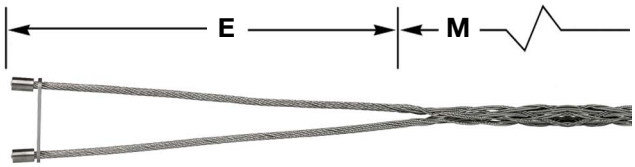
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.38"-.69" (.97-1.75)	2,900	290	10" (25)	24" (61)	**014021285**
.50"-.94" (1.27-2.39)	3,400	340	10" (25)	24" (61)	**014021230**
1.00"-1.56" (2.54-3.96)	9,400	940	10" (25)	36" (91)	**014021453**
1.25"-1.94" (3.18-4.93)	14,400	1,440	48" (122)	60" (152)	**014021593**
2.75"-3.44" (6.99-8.74)	12,500	1,250	10" (25)	48" (122)	**014021524**



Type E

Double Eye Grip, used where fastening is made with eyebolts or similar anchor terminations.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.50"-.94" (1.27-2.39)	4,250	425	8" (20)	24" (61)	**014021224**
.75"-1.25" (1.91-3.18)	6,000	600	8" (20)	24" (61)	**014021223**
1.00"-1.56" (2.54-3.96)	8,000	800	8" (20)	24" (61)	**014021279**



Type U

Universal Bale Grip, used to fasten around a structure or closed eye.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.31"-.56" (.79-1.42)	2,100	210	12" (30)	24" (61)	**014021304**
.38"-.69" (.97-1.75)	2,600	260	12" (30)	24" (61)	**014021308**
.50"-.94" (1.27-2.39)	3,100	310	12" (30)	24" (61)	**014021138**
.50"-.94" (1.27-2.39)	3,100	310	24" (61)	24" (61)	**014021139**
.75"-1.25" (1.91-3.18)	4,500	450	12" (30)	24" (61)	**014021140**
1.00"-1.56" (2.54-3.96)	6,000	600	12" (30)	24" (61)	**014021142**
1.25"-1.94" (3.18-4.93)	6,000	600	12" (30)	36" (91)	**014021527**

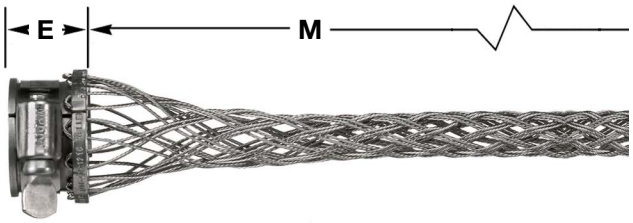
Note: E- Eye length. M-Mesh length at nominal diameter.
It should be emphasized that Kellems® Hose Containment Grips are not to be used as a pressure reinforcing device for hose systems. These grips are custom made. Consult Technical Services for details.

Dimensions in Inches (mm)

Hose Containment Grips

Kellems Hose Containment Grips are supplied in diameters, length and attachments to meet individual requirements. Contact the Wiring Device-Kellems factory for specific information. These grips help meet OSHA Federal Register 1926-302 (b), 1926-603 (9), (10), JIC H-1-1973 (H13.11) and JIC P-1-1975 (P11.34) requirements.

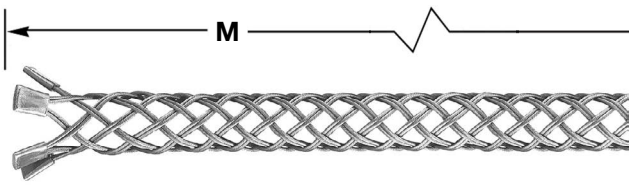
IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.



Type F

Split fitting to fit AN-818 nuts. Fitting is positioned over nut and located with internal flange. A hose clamp is furnished and required to hold the fitting in correct position.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.38"-.69" (.97-1.75)	2,900	290	1" (2.54)	24" (61)	**014021208**
.50"-.94" (1.27-2.39)	3,400	340	1" (2.54)	24" (61)	**014021156**
.50"-.94" (1.27-2.39)	3,400	340	1" (2.54)	12" (30)	**014021185**
.50"-.94" (1.27-2.39)	3,400	340	1" (2.54)	12" (30)	**014021186**
.50"-.94" (1.27-2.39)	3,400	340	1" (2.54)	24" (61)	**014021216**
.75"-1.25" (1.91-3.18)	6,000	600	1" (2.54)	24" (61)	**014021113**
.75"-1.25" (1.91-3.18)	6,000	600	1" (2.54)	12" (30)	**014021120**
.75"-1.25" (1.91-3.18)	6,000	600	1" (2.54)	24" (61)	**014021301**
1.00"-1.56" (2.54-3.96)	6,000	600	1" (2.54)	24" (61)	**014021157**
1.00"-1.56" (2.54-3.96)	8,000	800	1.12" (2.84)	24" (61)	**014021366**
1.25"-1.94" (3.18-4.93)	8,000	800	1.12" (2.84)	36" (91)	**014021314**



Type T

Tube Grips obtain complete grip coverage when hose is partially covered at either end with attachment grips. Type T-Grips fill in the exposed hose area between the two end grips. A telescoped assembly permits overlap to any degree desired beyond the 3" minimum.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.50"-.94" (1.27-2.39)	3,400	340	—	24" (61)	**014021152**
.75"-1.25" (1.91-3.18)	6,000	600	—	24" (61)	**014021085**
1.44"-2.19" (3.66-5.56)	12,500	1,250	—	48" (122)	**014021075**

Note: E- Eye length. M-Mesh length at nominal diameter.



Type Y

Threaded bolt (5/16 – 18 x 1 1/2" long), used to fasten through drilled holes in a plate.

Note: Available upon request.
It should be emphasized that Kellems® Hose Containment Grips are not to be used as a pressure reinforcing device for hose systems. Kellems® Hose Containment Grips are supplied in diameters, length and attachments to meet individual requirements. Contact Technical services for specific information.

Dimensions in Inches (mm)

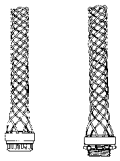
Kellems Strain Relief Grips are designed to prevent tension from being transmitted to joints and terminals on electrical cord, cable and conduit. In most applications, a Kellems grip for strain relief is stronger than the cable itself and gives much greater security than the use of a fitting alone. Kellems Grips for strain relief help make electrical systems safer, and save money by minimizing downtime from costly electrical failure due to cable pull-out. Kellems Grips also aid in compliance with the National Electric Code's terminal tension protection requirements.

Select the Correct Grip for Strain Relief

Kellems Grips for strain relief are designed to fit on electrical cord, cable or flexible conduit.

Step 1	Refer to the chart below to determine the grip style best suited for your application.
Step 2	Determine your cable outside diameter or conduit size.
Step 3	Locate environment—indoors or outdoors.
Step 4	Decide if a liquidtight seal is required.
Step 5	Select NPT size and fitting style.

Strain Relief System Selection Chart

Grip Type		Application	Features	Cord or Conduit Range Inches (cm)	Type Fitting or Attachment	Page Number
Deluxe Cord Aluminum Fitting/ Stainless Steel Grip		Outdoors or indoors where subjected to moisture or splash. Examples are crane and hoist pendant drop stations, hand tools, pumps and processing equipment.	Aluminum fittings, stainless steel mesh, neoprene oil-and-watertight bushing. Double-single weave.	.187"-3.250" (.47-8.25)	NPT, PG, and metric aluminum, male straight, 45° male, 90° male, female straight. Thread sizes ⅜"-3".	W-50, W-51, W-54
Deluxe Cord Nylon Fitting/ Stainless Steel Grip		Outdoors or indoors where subjected to moisture or splash. Examples are marine and food processing equipment.	Nylon fitting, stainless steel mesh, double-single weave, neoprene oil-and-watertight bushing.	.187"-1.125" (.47-2.86)	NPT nylon, male straight, 90° male. Thread sizes ½"-1".	W-52
Deluxe Cord Nylon Fitting/ Non-metallic Grip		Indoor or outdoors. Provides liquidtight seal, where exposed to moisture. Excellent for oil refining and chemical processing.	Non-metallic grip is corrosion resistant, nonconductive and provides superior gripping and flexing benefits. Neoprene liquidtight bushing. Nylon fitting.	.187"-1.000" (.47-2.54)	NPT nylon, straight male, thread sizes ⅜"-1" 90° male, thread sizes ½"-1".	W-53
Deluxe Cord Stainless Steel Fitting And Grip		Indoor or outdoor use where exposed to moisture. Very strong for heavy abuse areas such as drilling platforms, steel mills and mines.	Stainless steel fitting and grip for strength. Neoprene liquidtight bushing. Double/single weave grip.	.187"-1.000" (.47-2.54)	Straight male Only with NPT Thread sizes ½"-1".	W-53
Dust-Tight Strain Relief		Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems.	Neoprene gasket–seals out chips, dirt, dust. One piece design with galvanized steel mesh. Insulating bushing available. Zinc-plated steel locknut.	.240"-2.450" (.61-6.22)	Straight male NPS or NPT	W-55
Liquidtight Flexible Conduit Grip (Metal and Non-Metallic)		Wiring of machine tools, electrical enclosures, motors and systems where metallic liquidtight flexible conduit is subjected to vibration, flexure, motion or strain.	Stainless steel mesh, liquidtight fittings. Sealing "O" rings (optional). Choice of fittings.	.375"-4.000" trade sizes	NPT ½"-4", Hubbell fittings, Male straight, 45° male, 90° male, female straight.	W-58, W-59
Liquidtight Flexible Conduit Grip (UL Type A)		Wiring or machine tools, electrical enclosures, motors and systems where conduit is subject to vibration and strain.	Stainless steel mesh, liquidtight fittings with "O" ring and locknut.	.375"-2.008" trade size male	NPT steel, Hubbell fittings, straight male, 90° Thread sizes ½"-2".	W-60

Features and Benefits

Deluxe Cord Grip

Deluxe cord grips help to alleviate pull tension on terminals, control cable arc-of-bend, prevent cord pull-out and provide a liquidtight seal. They are offered with either aluminum, stainless steel or nylon fittings in a variety of configurations and NPT thread sizes. Additionally, a completely non-metallic product is available.



Application

Specific uses are: wiring enclosures, pendant stations, hand tools, construction, processing and material handling equipment, pumps, motors and machine tools.

Benefits

- Helps to prevent cable pull-out
- Controls cable arc-of-bend
- Provides a liquidtight seal
- Corrosion resistant stainless steel mesh with aluminum collar



Mesh Grip

- Stainless steel mesh is corrosion resistant; can be used inside or outside
- Eliminates cable or flexible conduit pull out and reduces costly downtime
- Endless weave provides easy cable/ flexible conduit installation



Deluxe Cord Grips

- An NPT and PG threaded body allows easy attachment to either threaded hub or knock-out in box
- A liquidtight fitting is available with both cable and conduit fittings; prevents liquids from running through the fitting into the enclosure



Cable Protection

- Multiweave grip gives cable arc-of-bend control minimizing cable damage and extending cable life
- It is the strongest strain relief device available; meets and exceeds all code requirements; prevents cable/conduit pull-out



Comprehensive Offering

- Hubbell offers a full line of deluxe cord grips with various material finishes
- Deluxe cord grips are used indoors or outdoors to help prevent cord pull-out and where cables are subjected to moisture, splash or submersion

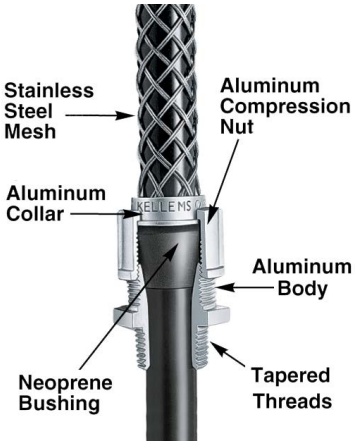
Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

IMPORTANT:
Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.





Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
⅜	.250"-.312"	(.63-.79)	F1	**07401001**
	.312"-.375"	(.79-.95)		**07401002**
	.375"-.437"	(.95-1.11)		**07401003**
½	.187"-.250"	(.47-.63)	F2	**07401004**
	.250"-.375"	(.63-.95)		**07401006**
	.375"-.500"	(.95-1.27)		**07401008**
	.500"-.625"	(1.27-1.59)		**07401010**
½	.625"-.750"	(1.59-1.90)	F3	**074011247***
	.750"-.875"	(1.90-2.22)		**074011248***
¾	.187"-.250"	(.47-.63)	F2	**07401011**
	.250"-.375"	(.63-.95)		**07401013**
	.375"-.500"	(.95-1.27)		**07401015**
	.500"-.625"	(1.27-1.59)		**07401017**
¾	.625"-.750"	(1.59-1.90)	F3	**07401018**
	.750"-.875"	(1.90-2.22)		**074011249***
1	.375"-.500"	(.95-1.27)	F4	**074011195**
	.500"-.625"	(1.27-1.59)		**07401019**
	.625"-.750"	(1.59-1.90)		**07401021**
	.750"-.875"	(1.90-2.22)		**07401023**
	.875"-1.000"	(2.22-2.54)		**07401025**
	1.000"-1.125"	(2.54-2.86)		**074011250***
1	1.125"-1.250"	(2.86-3.17)	F5	**074011028***
	1.250"-1.375"	(3.17-3.49)		**074011029***
1¼	.750"-.875"	(1.90-2.22)	F5	**074011251**
	.875"-1.000"	(2.22-2.54)		**07401026**
	1.000"-1.125"	(2.54-2.86)		**07401027**
	1.125"-1.250"	(2.86-3.17)		**07401028**
	1.250"-1.375"	(3.17-3.49)		**074011178***
1½	.750"-.875"	(1.90-2.22)	F5	**074011252**
	.875"-1.000"	(2.22-2.54)		**07401029**
	1.000"-1.125"	(2.54-2.86)		**07401030**
	1.125"-1.250"	(2.86-3.17)		**07401031**
	1.250"-1.375"	(3.17-3.49)		**07401032**
1½	1.312"-1.437"	(3.33-3.65)	F6	**074011253**
	1.437"-1.562"	(3.65-3.97)		**074011254***
	1.562"-1.687"	(3.97-4.28)		**074011255***
	1.687"- 1.812"	(4.28-4.60)		**074011256***
	1.750"-1.875"	(4.44-4.76)		**074011257***
2	1.250"-1.375"	(3.17-3.49)	F6	**074011258**
	1.312"-1.437"	(3.33-3.65)		**074011259**
	1.437"-1.562"	(3.65-3.97)		**07401033**
	1.562"-1.687"	(3.97-4.28)		**07401034**
	1.687"-1.812"	(4.28-4.60)		**07401035**
	1.750"- 1.875"	(4.44-4.76)		**074011260**
2	1.812"-1.937"	(4.60-4.92)	F7	**074011261**
	1.937"-2.062"	(4.92-5.24)		**074011262***
	2.062"-2.187"	(5.24-5.55)		**074011263***
	2.187"-2.312"	(5.55-5.87)		**074011264***
	2.312"-2.437"	(5.87-6.19)		**074011265***
2½	1.688"-1.812"	(4.29-4.60)	F7	**074011030**
	1.812"-1.937"	(4.60-4.92)		**074011031**
	1.937"-2.062"	(4.92-5.24)		**074011032**
	2.062"-2.187"	(5.24-5.55)		**074011033**
	2.187"-2.312"	(5.55-5.87)		**074011034**
	2.312"-2.437"	(5.87-6.19)		**074011266***
3	1.937"-2.062"	(4.92-5.24)	F7	**074011036**
	2.062"-2.187"	(5.24-5.55)		**074011037**
	2.187"-2.312"	(5.55-5.87)		**074011038**
	2.312"-2.437"	(5.87-6.19)		**074011039**
3	2.437"-2.625"	(6.19-6.67)	F8	**074011186**
	2.625"-2.812"	(6.67-7.14)		**074011187**
	2.812"-3.000"	(7.14-7.62)		**074011188**
	3.000"-3.250"	(7.62-8.25)		**074011189***

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
**Cable jacket may have to be stripped to pass through connector body.*

Dimensions in Inches (mm)

Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

IMPORTANT:
Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.

Straight Female Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
½	.375"-.500"	(.95-1.27)	F2	**07401043**
	.500"-.625"	(1.27-1.59)		**07401045**
¾	.500"-.625"	(1.27-1.59)	F2	**07401052**
¾	.625"-.750"	(1.59-1.90)	F4	**07401053**



90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
⅜	.250"-.312"	(.63-.79)	F1	**07401071**
	.312"-.375"	(.79-.95)		**07401072**
	.375"-.437"	(.95-1.11)		**07401073**
½	.187"-.250"	(.47-.63)	F2	**07401074**
	.250"-.375"	(.63-.95)		**07401076**
	.375"-.500"	(.95-1.27)		**07401078**
	.500"-.625"	(1.27-1.59)		**07401080***
¾	.375"-.500"	(.95-1.27)	F3	**07401081**
	.500"-.625"	(1.27-1.59)		**07401083**
	.625"-.750"	(1.59-1.90)		**07401084***
	.750"-.875"	(1.90-2.22)		**074011275***
1	.500"-.625"	(1.27-1.59)	F4	**07401085**
	.625"-.750"	(1.59-1.90)		**07401087**
	.750"-.875"	(1.90-2.22)		**07401089**
	.875"-1.000"	(2.22-2.54)		**07401091***
	1.000"-1.125"	(2.54-2.86)		**074011229***
1¼	.750"-.875"	(1.90-2.22)	F5	**074011230**
	.875"-1.000"	(2.22-2.54)		**07401137**
	1.000"-1.125"	(2.54-2.86)		**07401108**
	1.125"-1.250"	(2.86-3.17)		**074011042***
1½	1.000"-1.125"	(2.54-2.86)	F5	**074011045**
	1.125"-1.250"	(2.86-3.17)		**074011046**
	1.250"-1.375"	(3.17-3.49)		**074011047**
2	1.312"-1.437"	(3.33-3.65)	F6	**074011233**
	1.437"-1.562"	(3.65-3.97)		**074011244**
	1.687"-1.812"	(4.28-4.60)		**074011246**
	1.750"-1.875"	(4.44-4.76)		**074011234***



45° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
½	.250"-.375"	(.63-.95)	F2	**074011236**
	.375"-.500"	(.95-1.27)		**074011021**
	.500"-.625"	(1.27-1.59)		**074011237***
¾	.500"-.625"	(1.27-1.59)	F3	**074011049**
	.625"-.750"	(1.59-1.90)		**074011051***
	.750"-.875"	(1.90-2.22)		**074011239***
1	.625"-.750"	(1.59-1.90)	F4	**074011055**
	.750"-.875"	(1.90-2.22)		**074011057**
	.875"-1.000"	(2.22-2.54)		**074011199***
1¼	1.000"-1.125"	(2.54-2.86)	F5	**074011059**
	1.125"-1.250"	(2.86-3.17)		**074011060**



Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
**Cable jacket may have to be stripped to pass through connector body.*

Dimensions in Inches (mm)

Deluxe Cord Grips

Nylon Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

IMPORTANT:
Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.



Straight Male Thread

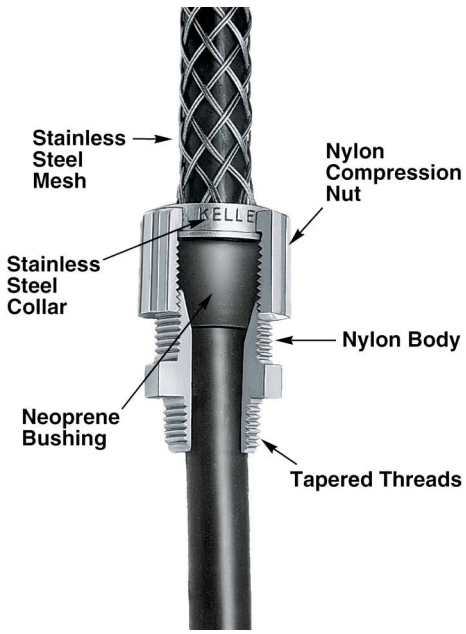
NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
½	.187"-.250"	(.47-.63)	F2	**074011331**
	.250"-.375"	(.63-.95)		**074011332**
	.375"-.500"	(.95-1.27)		**074011333**
	.500"-.625"	(1.27-1.59)		**074011334***
¾	.375"-.500"	(.95-1.27)	F3	**074011335**
	.500"-.625"	(1.27-1.59)		**074011336**
	.625"-.750"	(1.59-1.90)		**074011337**
	.750"-.875"	(1.90-2.22)		**074011338***
1	.625"-.750"	(1.59-1.90)	F4	**074011341**
	.750"-.875"	(1.90-2.22)		**074011342**
	.875"-1.000"	(2.22-2.54)		**074011343**
	1.000"-1.125"	(2.54-2.86)		**074011344***



90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
½	.250"-.375"	(.63-.95)	F2	**074011346**
	.375"-.500"	(.95-1.27)		**074011347**
	.500"-.625"	(1.27-1.59)		**074011348***
¾	.375"-.500"	(.95-1.27)	F3	**074011349**
	.500"-.625"	(1.27-1.59)		**074011350**
	.625"-.750"	(1.59-1.90)		**074011351***

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
**Cable jacket may have to be stripped to pass through connector body.*



Dimensions in Inches (mm)

Deluxe Cord Grips

Nylon Fittings, Non-Metallic Mesh, and Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

IMPORTANT:
Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.

Nylon Fittings Non-Metallic Mesh, Liquidtight for Insulated Cables
Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
⅜	.187"-.250"	(.47-.63)	F1	**CG304NM**
	.250"-.312"	(.63-.79)		**CG305NM**
	.312"-.375"	(.79-.95)		**CG306NM**
½	.187"-.250"	(.47-.63)	F2	**CG404NM**
	.250"-.375"	(.63-.95)		**CG406NM**
	.375"-.500"	(.95-1.27)		**CG408NM**
¾	.375"-.500"	(.95-1.27)	F3	**CG608NM**
	.500"-.625"	(1.27-1.59)		**CG610NM**
	.625"-.750"	(1.59-1.90)		**CG612NM**
1	.500"-.625"	(1.27-1.59)	F4	**CG810NM**
	.625"-.750"	(1.59-1.90)		**CG812NM**
	.750"-.875"	(1.90-2.22)		**CG814NM**
	.875"-1.000"	(2.22-2.54)		**CG816NM**



90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
½	.250"-.375"	(.63-.95)	F2	**CG40690NM**
	.375"-.500"	(.95-1.27)		**CG40890NM**
¾	.375"-.500"	(.95-1.27)	F3	**CG60890NM**
	.500"-.625"	(1.27-1.59)		**CG61090NM**
	.625"-.750"	(1.59-1.90)		**CG61290NM***
1	.625"-.750"	(1.59-1.90)	F4	**CG81290NM**
	.750"-.875"	(1.90-2.22)		**CG81490NM**



Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables
Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
½	.187"-.250"	(.47-.63)	F2	**CG404SST**
	.250"-.375"	(.63-.95)		**CG406SST**
	.375"-.500"	(.95-1.27)		**CG408SST**
	.500"-.625"	(1.27-1.59)		**CG410SST**
¾	.375"-.500"	(.95-1.27)	F2	**CG608SST**
	.500"-.625"	(1.27-1.59)		**CG610SST**
¾	.625"-.750"	(1.59-1.90)	F3	**CG612SST**
	.750"-.875"	(1.90-2.22)		**CG614SST**
1	.500"-.625"	(1.27-1.59)	F4	**CG810SST**
	.625"-.750"	(1.59-1.90)		**CG812SST**
	.750"-.875"	(1.90-2.22)		**CG814SST**
	.875"-1.000"	(2.22-2.54)		**CG816SST**



Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
**Cable jacket may have to be stripped to pass through connector body.*

Dimensions in Inches (mm)

PG and Metric Threaded Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

IMPORTANT:
Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.



Straight PG* Male Thread

Hub Size	Cord Diameter Range Inches (cm)		Form Size	Catalog Number
PG16	.500"-.625"	(1.27-1.59)	F2	**074PG16010**
PG21	.500"-.625"	(1.27-1.59)	F2	**074PG21010**
PG21	.625"-.750"	(1.59-1.90)	F3	**074PG211247**
	.750"-.875"	(1.90-2.22)		**074PG211248**
PG29	.625"-.750"	(1.59-1.90)	F4	**074PG29021**
	.750"-.875"	(1.90-2.22)		**074PG29023**
	.875"-1.000"	(2.22-2.54)		**074PG29025**
PG29	1.125"-1.250"	(2.86-3.17)	F5	**074PG291028***
PG36	1.125"-1.250"	(2.86-3.17)	F5	**074PG36028***

*Note: *Panzergewinde.*



Straight Metric Male Thread

Hub Size	Cord Diameter Range Inches (cm)		Form Size	Catalog Number
M20	.500"-.625"	(1.27-1.59)	F2	**074M20010**
M25	.625"-.750"	(1.59-1.90)	F3	**074M251247**
	.750"-.875"	(1.90-2.22)		**074M251248**
M25	.500"-.625"	(1.27-1.59)	F2	**074M25017**
M32	.625"-.750"	(1.59-1.90)	F4	**074M32021**
	.750"-.875"	(1.90-2.22)		**074M32023**
	.875"-1.000"	(2.24-2.54)		**074M32025**
	1.000"-1.125"	(2.54-2.86)		**074M321250**
M32	1.125"-1.250"	(2.86-3.17)	F5	**074M321028**

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
**Cable jacket may have to be stripped to pass through connector body.*

Specifications

Material	Temperature Range
Aluminum (Body)	–30°F to +240°F (–34°C to +115°C).
Stainless Steel (Mesh)	–30°F to +240°F (–34°C to +115°C).
Neoprene (Bushings)	–30°F to +240°F (–34°C to +115°C).
Hazardous Locations	Suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 N.E.C. Reference 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
Approvals	
Deluxe Cord Grips	UL Listed in accordance with Standard 514B for indoor/outdoor use. UL Control numbers 898D and 899D.
Wet Locations	Suitable for use in wet locations when used with a listed sealing ring between box and fitting.

Dimensions in Inches (mm)

Dust-Tight Strain Relief Grips

Aluminum Fittings, Galvanized Steel Mesh for Insulated Cables.

IMPORTANT:
Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.

Non-Insulated, Wide Range Strain Relief

Thread Size	Cord Diameter Range Inches (cm)		Mesh Length @ Nom. Dia. Inches (cm)	Catalog Number
	.24"-.32"	(.61-.81)	3.25" (8.25)	**073031200**
½ NPT	.32"-.43"	(.81-1.09)	3.75" (9.52)	**073031201**
	.43"-.54"	(1.09-1.37)	4.75" (12.06)	**073031202**
¾ NPT	.54"-.73"	(1.37-1.85)	6.5" (16.51)	**073031203A**
1 NPT	.73"-.97"	(1.85-2.46)	7" (17.78)	**073031204**
1¼ NPT	.97"-1.25"	(2.46-3.17)	9" (22.86)	**073031205**
PG29*	.73"-.97"	(1.85-2.46)	7" (17.78)	**073PG291204**

*Note: *Panzergewinde.*



Insulated, Wide Range Strain Relief with Insulating Bushing

Thread Size	Cord Diameter Range Inches (cm)		Mesh Length @ Nom. Dia. Inches (cm)	Dim. A Inches (cm)	Min. Space Between Grips Inches (cm)	Catalog Number
	.24"-.32"	(.61-.81)	3.25" (8.25)	1" (2.54)	1.25" (3.17)	**073031206**
½ NPS	.32"-.43"	(.81-1.09)	3.75" (9.52)	1" (2.54)	1.25" (3.17)	**073031207**
	.43"-.54"	(1.09-1.37)	4.75" (12.06)	1" (2.54)	1.25" (3.17)	**073031208**
¾ NPS	.54"-.73"	(1.37-1.85)	6.5" (16.51)	1" (2.54)	1.5" (3.81)	**073031209A**
1 NPS	.73"-.97"	(1.85-2.46)	7" (17.78)	1.313" (3.02)	1.75" (4.44)	**073031210**
1¼ NPS	.97"-1.25"	(2.46-3.17)	9" (22.86)	1.313" (3.02)	2.25" (5.71)	**073031211**
1½ NPT	1.25"-1.50"	(3.17-3.81)	11.75" (29.84)	1.313" (3.02)	2.5" (6.35)	**073031212**
2 NPT	1.50"-1.70"	(3.81-4.32)	13.25" (33.65)	1.375" (3.49)	3.25" (8.25)	**073031213**
2½ NPT	1.70"-2.00"	(4.32-5.08)	13.5" (34.29)	1.5" (3.81)	3.625" (9.21)	**073031214**
	2.00"-2.45"	(5.08-6.22)	13.75" (34.92)	1.5" (3.81)	3.625" (9.21)	**073031215**



Dimensions in Inches (mm)

I-Grips for Insulated Cables

Kellems® I-Grips are made of high strength, plastic coated galvanized steel strand. They are offered in six sizes to fit all cable diameters used with Hubbell Insulgrip® Kellems I-Grips will control cable arc-of-bend and reduce high pull tensions from being transmitted to the wiring terminals.

IMPORTANT:
Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.



Application

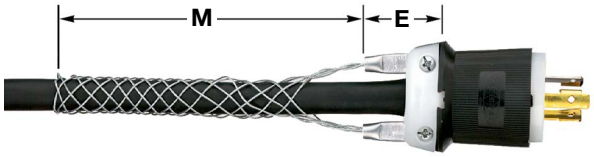
Kellems® I-Grips will fit 2, 3, 4 and 5 wire Hubbell Insulgrip® plugs and connector bodies. The eye tabs fit under the nylon cord clamp and the screws slide through the eyelets, securing the grip in place.

I-Grips can be used on any Insulgrip cord set which requires cable, arc-of-bend control or heavy duty strain relief. Cord sets used at in-door construction sites or for plant maintenance jobs are examples.

These grips are for indoor use only.

Benefits

- Easily attached to Insulgrip plugs and connector bodies
- Controls cable arc-of-bend
- Provides heavy-duty strain relief
- Fits all sizes



I-Grips

Cable Diameter Range Inches (cm)		E Inches (cm)	M Inches (cm)	Catalog Number
.32"-.43"	(.81-1.09)	1.25" (3.17)	4" (10.16)	**07310001**
.43"-.56"	(1.09-1.42)	1.25" (3.17)	4.75" (12.06)	**07310002**
.56"-.73"	(1.42-1.85)	1.50" (3.81)	6" (15.24)	**07310003**
.73"-.85"	(1.85-2.16)	1.50" (3.81)	6.5" (16.51)	**07310004**
.85"-1.00"	(2.16-2.54)	1.50" (3.81)	8" (20.32)	**07310005**
1.00"-1.25"	(2.54-3.17)	1.50" (3.81)	10" (25.40)	**07310006**

Note: E-Eye length. M-Mesh length at nominal diameter.
Eyelet hole diameter .203" (.52cm).
I-Grips should not be used on Insulgrip devices when "Seal-Tite®" weatherproof covers are to be installed.

Dimensions in Inches (mm)

Thread Adapters for Multi-Pin Connectors

Kellems® Thread Adapters are devices formatting AN-MS connectors and other multi-pin connectors to Kellems grips with NPT threaded fittings. They are made of aluminum with internal threads and replace the connector cord clamp. These adapters permit the installation of Kellems Grips, to prevent cable or conduit pull-out and control arc-of-bend.

Applications

Thread adapters allow the installation of Kellems® Grips on multi-pin connectors at electrical consoles, mobile equipment, control switches, assembly equipment and testing machines.

Benefits

- Easy installation
- Allows the use of Kellems grips
- Extends connector and cable life



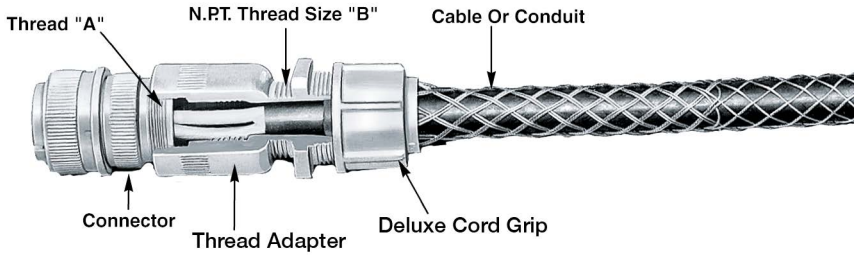
091041006
Thread Adapter

Thread Adapters for Multi-Pin Connectors

Thread Adapters					Deluxe Cord Grips		Strain Relief Grips		Liquidtight Conduit Grips (Insulated Throat)
AN-MS Connector Size**	AN-MS Cable Clamp Number***	Thread Size A Inch	NPT Thread Size B	Catalog Number	Cable Diameter Range Inches (cm)	Catalog Number	Cable Diameter Range Inches (cm)	Catalog Number	Catalog Number
8S, 10S	3057-3	½" x 28"		**091041000**	.250"-.312" (.63-.79)	07401001			
10SL, 12, 12S	3057-4	⅝" x 24"	⅜	**091041001**	.312"-.375" (.79-.95)	07401002	—	—	—
14, 14S	3057-6	¾" x 20"		**091041002**	.375"-.437" (.95-1.11)	07401003			
14, 14S	3057-6	¾" x 20"		**091041003**	.187"-.250" (.47-.63	07401004	.24"-.32" (.61-.81)	073031200	—
16, 16S	3057-8	⅞" x 20"	½	**091041004**	.250"-.375" (.63-.95)	07401006	.32"-.43" (.81-1.09)	073031201	074093512
18	3057-10	1" x 20"		**091041006**	.375"-.500" (.95-1.27)	07401008	.43"-.54" (1.09-1.37)	073031202	—
					.500"-.625" (1.27-1.59)	07401010*			
16, 16S	3057-8	⅞" x 20"		**091041005**	.187"-.250" (.47-.63)	07401011			
18	3057-10	1" x 20"	¾	**091041007**	.250"-.375" (.63-.95)	07401013			
20, 22	3057-12	1 3/16" x 18"		**091041008**	.375"-.500" (.95-1.27)	07401015	.54"-.74" (1.37-1.85)	073031203	074093513
					.500"-.625" (1.27-1.59)	07401017			
					.625"-.750" (1.59-1.90)	07401018			
20, 22	3057-12	1 3/16" x 18"		**091041009**	.375"-.500" (.95-1.27)	074011195			
24, 28	3057-16	1 7/16" x 18"		**091041010**	.500"-.625" (1.27-1.59)	07401019			
32	3057-20	1¾" x 18"	1	**091041012**	.625"-.750" (1.59-1.90)	07401021	.73"-.97" (1.85-2.46)	073031204	074093514
36	3057-24	2" x 18"		**091041015**	.750"-.875" (1.90-2.22)	07401023			
					.875"-1.000" (2.22-2.54)	07401025			
24, 28	3057-16	1 7/16" x 18"		**091041011**	.750"-.875" (1.90-2.22)	074011251			
32	3057-20	1¾" x 18"	1¼	**091041013**	.875"-1.000" (2.22-2.54)	07401026			
36	3057-24	2" x 18"		**091041016**	1.000"-1.125" (2.54-2.86)	07401027	.97"-1.25" (2.46-3.17)	073031205	074093515
					1.125"-1.375" (2.86-3.17)	07401028			
32	3057-20	1¾" x 18"		**091041014**	.875"-1.000" (2.22-2.54)	07401029			
36	3057-24	2" x 18"	1½	**091041017**	1.000"-1.125" (2.54-2.86)	07401030			
40	3057-28	2¼" x 16"		**091041019**	1.125"-1.250" (2.86-3.17)	07401031	—	—	074093516
					1.250"-1.375" (3.17-3.49)	07401032			

*Note: *Cable jacket may have to be stripped to pass through connector body.*
***Number stamped on connector shell.*
****Number stamped on clamp shell.*

Example



Dimensions in Inches (mm)

Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff® I Non-Metallic Conduit.

IMPORTANT:
Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.

Benefits

- Helps prevent conduit pull-out and damage at the fitting
- Reduces equipment downtime



Straight With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number (Insulated)	Catalog Number (Non-insulated)
⅜	½	3"	(7.62)	**074093511**	**074093401**
½	½	3.5"	(8.89)	**074093512**	**074093402**
¾	¾	4"	(10.16)	**074093513**	**074093403**
1	1	5"	(12.70)	**074093514**	**074093404**
1¼	1¼	6"	(15.24)	**074093515**	**074093405**
1½	1½	6.75"	(17.14)	**074093516**	**074093406**
2	2	8"	(20.32)	**074093518**	**074093408**
2½	2½	9.75"	(24.76)	**074093520**	**074093410**
3	3	11"	(27.94)	**074093522**	**074093412**
4	4	14"	(35.56)	**074093526**	—



90° Angle With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number (Insulated)	Catalog Number (Non-insulated)
⅜	½	3"	(7.62)	**074093541**	**074093421**
½	½	3.5"	(8.89)	**074093542**	**074093422**
¾	¾	4"	(10.16)	**074093543**	**074093423**
1	1	5"	(12.70)	**074093544**	**074093424**
1¼	1¼	6"	(15.24)	**074093545**	**074093425**
1½	1½	6.75"	(17.14)	**074093546**	**074093426**
2	2	8"	(20.32)	**074093548**	**074093428**
2½	2½	9.75"	(24.76)	**074093550**	—
3	3	11"	(27.94)	**074093552**	—

Note: For use with Liquidtight Metal conduit and PolyTuff® I Non-Metallic conduit.

Dimensions in Inches (mm)

Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff® I Non-Metallic Conduit.

IMPORTANT:
Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.

Straight With Chase Fitting



Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number
½	½	3.5"	(8.89)	**07406079**
¾	¾	4"	(10.16)	**07406080**
1	1	5"	(12.70)	**07406081**
1¼	1¼	6"	(15.24)	**07406082**
1½	1½	6.75"	(17.14)	**07406083**

45° Angle With Male Fitting



Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number (Insulated)	Catalog Number (Non-insulated)
⅜	½	3"	(7.62)	**074093561**	**074093441**
½	½	3.5"	(8.89)	**074093562**	**074093442**
¾	¾	4"	(10.16)	**074093563**	**074093443**
1	1	5"	(12.70)	**074093564**	**074093444**
1¼	1¼	6"	(15.24)	**074093565**	**074093445**
1½	1½	6.75"	(17.14)	**074093566**	**074093446**
2	2	8"	(20.32)	**074093568**	**074093448**

Note: For use with Liquidtight Metal conduit and PolyTuff® I Non-Metallic conduit.

Dimensions in Inches (mm)

Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for UL Type A Liquidtight Conduit.

IMPORTANT:
Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.



Straight Male Hubbell Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number
⅜	½	3.75"	(9.52)	**H038CNK**
½	½	4.5"	(11.43)	**H050CNK**
¾	¾	6.25"	(15.87)	**H075CNK**
1	1	7.5"	(19.05)	**H100CNK**
1¼	1¼	9"	(22.86)	**H125CNK**
1½	1½	13.5"	(34.29)	**H150CNK**
2	2	14.5"	(36.83)	**H200CNK**



90° Male Hubbell Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number
⅜	½	3.75"	(9.52)	**H0389CNK**
½	½	4.5"	(11.43)	**H0509CNK**
¾	¾	6.25"	(15.87)	**H0759CNK**
1	1	7.5"	(19.05)	**H1009CNK**
1¼	1¼	9"	(22.86)	**H1259CNK**
1½	1½	13.5"	(34.29)	**H1509CNK**
2	2	14.5"	(36.83)	**H2009CNK**

Dimensions in Inches (mm)

Wire Mesh Grip Materials

Material	Features	Product Group
Galvanized steel wire	• High strength • Not subject to continuous outside environment	• Strain relief grips • I-Grips
Stainless steel wire (302/304)	• High strength • Corrosion resistant • Slightly magnetic	• Deluxe cord grips • Liquidtight, flexible, metal conduit grips • UL type A conduit grips
Non-metallic strand	• Superior flex life • Non-conductive • Corrosion resistant • Moderate strength	• Non-metallic deluxe cord grips

Operating Temperatures

Material	Temperature Range
Aluminum	–40°F to +300°F (–40°C to +149°C).
Aluminum Deluxe Cord Grips	–30°F to +240°F (–34°C to +115°C).
Non-Metallic Deluxe Cord Grips	–30°F to +225°F (–34°C to +107°C).
Nylon	–40°F to +225°F (–40°C to +107°C).
Nylon Fitting with Stainless Steel Mesh	–40°F to +225°F (–40°C to +107°C).
Stainless Steel	–60°F to +1000°F (–51°C to +537°C).
Stainless Steel Deluxe Cord Grips	–30°F to +240°F (–34°C to +115°C).
Neoprene (Bushings)	–30°F to +240°F (–34°C to +115°C).

Hazardous Locations

	Product Categories
The product categories listed to the right are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2.	Deluxe cord grip, aluminum fitting; Deluxe cord grip, nylon fitting; Deluxe cord grip, non-metallic; Seal-Tite® conduit grips; Dustight strain relief grips.

Flammability

Non-metallic deluxe cord grips will not support combustion. Listed below are the ratings.

Component	Rating
Mesh grip	UL 94HB.
Fitting	UL 94X-2.

Approvals

UL Listing and CSA Certification are indicated on appropriate product catalog pages.

Agency	UL Control Number
Underwriters Laboratories Inc.	898D and 899D.
	UL Listed in accordance with Standard 514B for indoor/outdoor use.

Wet Locations

	Product Categories
The products noted to the right are suitable for use in wet locations when a listed sealing ring is used between box and fitting.	Deluxe cord grip, aluminum fitting; Deluxe sealing ring cord grip; Deluxe cord grip, non-metallic; Seal-Tite® conduit grips; Hubbell non-metallic conduit grips; Cord connectors; Hubbell Juniors; PolyTuff® connectors; Hubbell Seal-Tite® conduit connectors.

Form Size Definition

The term “Form Size” refers to the physical mass or overall dimensions of a cord connector. Form 1 is the smallest size, Form 8 is the largest size.

Knockout Holes

NPT Hub Size Inches	Knockout Hole Recommended Min. to Max. Inches (cm)			
¼	.540"	to	.570"	(1.37-1.45)
⅜	.671"	to	.701"	(1.70-1.78)
½	.859"	to	.906"	(2.18-2.30)
¾	1.094"	to	1.141"	(2.78-2.90)
1	1.359"	to	1.406"	(3.45-3.57)
1¼	1.719"	to	1.766"	(4.37-4.49)
1½	1.969"	to	2.016"	(5.00-5.12)
2	2.453"	to	2.500"	(6.23-6.35)
2½	2.953"	to	3.000"	(7.50-7.62)
3	3.578"	to	3.625"	(9.09-9.21)

Product Data

Deluxe Cord Grips, Liquidtight for Insulated Cables

Deluxe Cord Grips helps to alleviate pull tension on terminals, control cable arc-of-bend, prevent cord pull-out, and provide a liquidtight seal. They are offered with either aluminum, stainless steel or nylon fittings in a variety of configurations and NPT thread sizes. Additionally, a completely non-metallic product is offered on page W-53.

Application

Deluxe Cord Grips are used indoors or outdoors to help prevent cord pull-out, and where cables are subjected to moisture, splash or submersion. Specific uses are: wiring enclosures, pendant stations, hand tools, construction, processing and material handling equipment, pumps, motors and machine tools.

Benefits

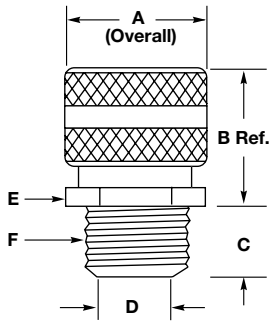
- Helps to prevent cable pull-out
- Controls cable arc-of-bend
- Provides a liquidtight seal
- Corrosion resistant stainless steel mesh with aluminum collar

Deluxe Cord Grips Fitting Dimensions

Straight Hubbell Connectors

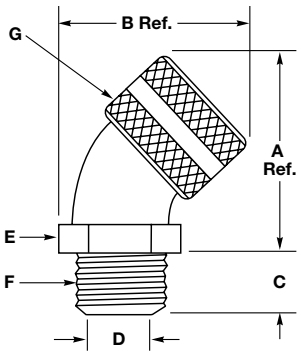
		Aluminum, Inches (cm)						Nylon, Inches (cm)						Stainless Steel, Inches (cm)							
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A A/C*	A A/F*	B Ref.	C	D Throat Dia.	E A/C*	E A/F*
⅜-18	1	.88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	.99" (2.51)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.43" (1.09)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	1.01" (2.57)	.88" (2.24)	.90" (2.29)	.46" (1.17)	.45" (1.14)	.87" (2.21)	.75" (1.90)
½-14	1	.88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	.99" (2.51)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.43" (1.09)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	—	—	—	—	—	—	—
½-14	2	1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.11" (2.82)	1.00" (2.54)	1.32" (3.35)	1.50" (3.81)	.53" (1.35)	.58" (1.47)	1.25" (3.17)	1.12" (2.84)	1.30" (3.30)	1.13" (2.87)	1.10" (2.79)	.54" (1.37)	.63" (1.60)	1.16" (2.95)	1.00" (2.54)
½-14	3	1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.64" (1.63)	1.40" (3.56)	1.25" (3.17)	—	—	—	—	—	—	—	—	—	—	—	—	—
¾-14	2	1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.29" (3.28)	1.13" (2.87)	—	—	—	—	—	—	—	—	—	—	—	—	—
¾-14	3	1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.82" (2.08)	1.40" (3.56)	1.25" (3.17)	1.56" (3.96)	1.60" (4.06)	.55" (1.40)	.77" (1.96)	1.44" (3.66)	1.31" (3.33)	1.59" (4.04)	1.38" (3.51)	1.30" (3.30)	.56" (1.42)	.81" (2.06)	1.44" (3.66)	1.25" (3.17)
1-11½	3	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—
1-11½	4	1.75" (4.44)	1.60" (4.06)	.71" (1.80)	1.02" (2.59)	1.81" (4.60)	1.62" (4.11)	1.88" (4.78)	1.75" (4.44)	.70" (1.78)	1.01" (2.57)	1.84" (4.67)	1.63" (4.14)	2.02" (5.13)	1.75" (4.44)	1.40" (3.56)	.70" (1.78)	1.03" (2.62)	1.88" (4.78)	1.63" (4.14)
1-11½	5	2.31" (5.87)	1.70" (4.32)	.66" (1.68)	1.01" (2.57)	2.28" (5.79)	2.00" (5.08)	—	—	—	—	—	—	—	—	—	—	—	—	—
1¼-11½	5	2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.26" (3.20)	2.28" (5.79)	2.12" (5.38)	—	—	—	—	—	—	—	—	—	—	—	—	—
1½-11	5	2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.38" (3.51)	2.28" (5.79)	2.12" (5.38)	—	—	—	—	—	—	—	—	—	—	—	—	—
1½-11½	6	3.00" (7.62)	2.20" (5.59)	.75" (1.90)	1.50" (3.81)	2.97" (7.54)	2.75" (6.98)	—	—	—	—	—	—	—	—	—	—	—	—	—
2-11½	6	3.00" (7.62)	2.20" (5.59)	.80" (2.03)	1.92" (4.88)	3.24" (8.24)	3.00" (7.62)	—	—	—	—	—	—	—	—	—	—	—	—	—
2-11½	7	3.85" (9.78)	2.70" (6.86)	.88" (2.24)	1.94" (4.93)	4.05" (10.29)	3.75" (9.52)	—	—	—	—	—	—	—	—	—	—	—	—	—
2½-8	7	3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.32" (5.89)	4.34" (11.02)	4.02" (10.21)	—	—	—	—	—	—	—	—	—	—	—	—	—
2½-8	8	4.75" (12.06)	2.70" (6.86)	1.25" (3.17)	2.38" (6.05)	4.86" (12.34)	4.50" (11.43)	—	—	—	—	—	—	—	—	—	—	—	—	—
3-8	7	3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.54" (6.45)	4.34" (11.02)	4.01" (10.21)	—	—	—	—	—	—	—	—	—	—	—	—	—
3-8	8	4.50" (11.43)	2.70" (6.86)	1.38" (3.51)	3.00" (7.62)	4.86" (12.34)	4.50" (11.43)	—	—	—	—	—	—	—	—	—	—	—	—	—

*Note: *A/C— Across Corners; A/F—Across Flats.*



Dimensions shown are approximate and are subject to change without notice.

Deluxe Cord Grips Fitting Dimensions



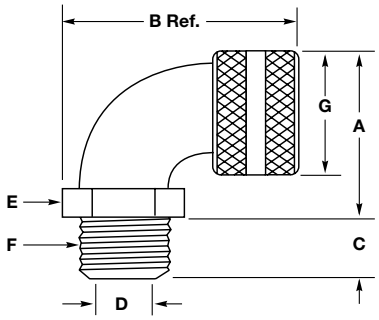
45° Hubbell Connectors

		Aluminum, Inches (cm)						
F NPT Inches	Form	A Ref.	B Ref.	C	D Throat Dia.	E Across Comers	E Across Flats	G Dia.
½-14	2	2.00" (5.08)	1.90" (4.83)	.550" (1.40)	.560" (1.42)	1.270" (3.23)	1.110" (2.79)	1.125" (2.86)
¾-14	3	2.30" (5.84)	2.50" (6.53)	.560" (1.42)	.750" (1.90)	1.480" (3.76)	1.281" (3.25)	1.375" (3.49)
1-11½	4	2.60" (6.60)	2.80" (7.11)	.700" (1.78)	1.000" (2.54)	1.690" (4.29)	1.500" (3.81)	1.750" (4.44)
1¼-11½	5	3.90" (9.91)	3.90" (9.91)	.740" (1.88)	1.250" (3.17)	2.45" (6.22)	2.125" (5.40)	2.310" (5.87)
1½-11½	5	3.90" (9.91)	3.90" (9.91)	.740" (1.88)	1.500" (3.81)	2.45" (6.22)	2.125" (5.40)	2.310" (5.87)

90° Hubbell Connectors

		Aluminum, Inches (cm)							Nylon, Inches (cm)						
F NPT Inches	Form	A	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	G Dia.	A	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	G Dia.
⅜-18	1	1.27" (3.23)	2.00" (5.08)	.460" (1.17)	.440" (1.12)	1.15" (2.92)	1.10" (2.79)	.875" (2.22)	—	—	—	—	—	—	—
½-14	2	1.56" (3.96)	2.30" (5.84)	.500" (1.27)	.546" (1.39)	1.30" (3.30)	1.13" (2.87)	1.125" (2.86)	1.41" (3.58)	2.50" (6.35)	.550" (1.40)	.575" (1.46)	1.23" (3.12)	1.12" (2.82)	1.315" (3.34)
¾-14	3	1.79" (4.55)	2.80" (7.11)	.560" (1.42)	.765" (1.94)	1.49" (3.78)	1.31" (3.33)	1.375" (3.49)	1.65" (4.19)	2.81" (7.14)	.560" (1.42)	.765" (1.94)	1.42" (3.61)	1.29" (3.28)	1.560" (3.96)
1-11½	4	2.08" (5.28)	3.20" (8.13)	.700" (1.78)	1.000" (2.54)	1.70" (4.32)	1.50" (3.81)	1.750" (4.44)	1.99" (5.05)	3.30" (8.38)	.700" (1.78)	1.010" (2.57)	1.82" (4.62)	1.60" (4.06)	1.875" (4.76)
1¼-11½	5	3.18" (8.08)	4.30" (10.92)	.730" (1.85)	1.260" (3.20)	2.47" (6.27)	2.15" (5.46)	2.310" (5.87)	—	—	—	—	—	—	—
1½-11½	5	3.18" (8.08)	4.30" (10.92)	.750" (1.92)	1.500" (3.81)	2.47" (6.27)	2.15" (5.46)	2.310" (5.87)	—	—	—	—	—	—	—
2-11½	6	3.51" (8.92)	5.50" (13.97)	.800" (2.03)	1.920" (4.88)	2.98" (7.57)	2.78" (7.06)	3.000" (7.62)	—	—	—	—	—	—	—

*Note: *A/C - Across Corners; A/F - Across Flats.*



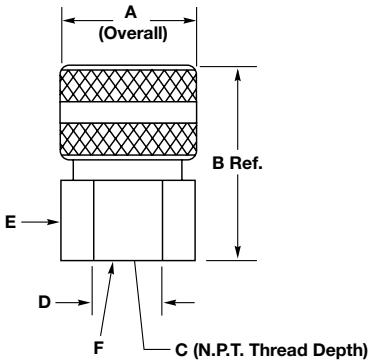
Dimensions shown are approximate and are subject to change without notice.

Deluxe Cord Grips Fitting Dimensions

Female Hubbell Connectors

Aluminum, Inches (cm)

F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E Across Comers	E Across Flats
⅜-18	1	.88" (2.24)	1.40" (3.56)	.560" (1.42)	.44" (1.12)	.94" (2.39)	.81" (2.06)
½-14	2	1.13" (2.87)	1.80" (4.57)	.560" (1.42)	.63" (1.60)	1.15" (2.92)	1.00" (2.54)
¾-14	2	1.13" (2.87)	2.10" (5.33)	.750" (1.90)	.63" (1.60)	1.44" (3.66)	1.25" (3.17)
1-11½	4	1.75" (4.44)	2.30" (5.84)	.880" (2.24)	1.10" (2.79)	1.88" (4.78)	1.63" (4.14)
1¼-11½	5	2.31" (5.87)	2.80" (7.11)	.950" (2.41)	1.43" (3.63)	2.64" (6.71)	2.29" (5.82)
1½-11½	5	2.31" (5.87)	2.80" (7.11)	.950" (2.41)	1.43" (3.63)	2.64" (6.71)	2.29" (5.82)



Product Data

Dust-Tight Strain Relief Grips for Insulated Cables

Kellems® Strain Relief Grips connect flexible cord or bus drop cable to electrical enclosures. For indoor use only, they are available with either insulated or non-insulated aluminum fittings, and feature single weave, galvanized steel mesh grips with patented wide range mesh construction. They come with a locknut and a neoprene gasket that provides a dust tight seal.

Application

Used to connect electrical cable to power boxes, cabinets, panel boards, power centers, machine tools and with bus drop systems.

Benefits

- Helps prevent cord or cable pull-out
- Provides a dust tight seal
- Easy installation
- Patented mesh construction
- One piece design

Dimensions shown are approximate and are subject to change without notice.

Strain Relief Grips for Liquidtight Flexible Metal and PolyTuff® I Non-Metallic Conduit

Kellems Liquidtight, Flexible Metal Conduit Grips are offered with high quality Hubbell plated steel fittings in a wide variety of NPT sizes and configurations, either insulated or non-insulated. The addition of a stainless steel mesh to these fittings makes them stronger than the conduit itself. Kellems Conduit Grips helps prevent conduit pull-out from the connecting fitting that is subject to stress, pull tension, vibration, motion or strain. They promote safe electrical systems and reduce equipment downtime.

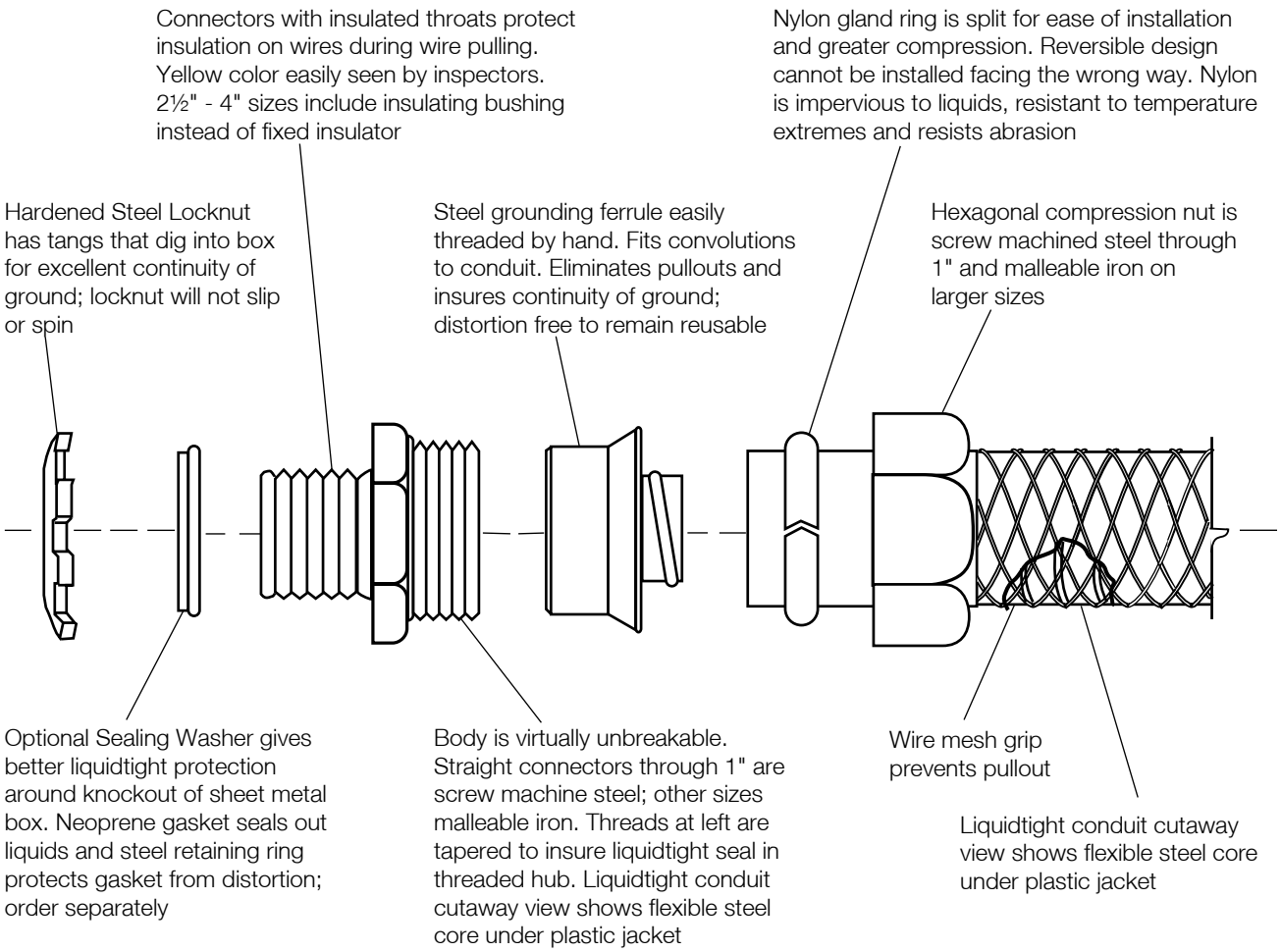
Application

Kellems Conduit Grips are used in the wiring of machine tools, motors, molding equipment, transformers, weaving and paper machines, fans, lighting, bakeries, breweries, food processing, chemical plants, dairies, mines and any application that requires Liquidtight Conduit.

Benefits

- Helps prevent conduit pull-out and damage at the fitting
- Reduces equipment downtime
- Liquidtight fittings
- Easily installed
- Stainless steel grip resists corrosion

Kellems Conduit Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code.



Liquidtight Conduit Grip Fitting Dimensions, Inches

Straight with Male Fitting

Dimensions, Inches

Trade Size Inches	A Ref.	B Ref.	C A/C*	C A/F*	D Throat Dia.	E A/C*	E A/F*	Catalog Number
⅜	1.43"	.59"	1.20"	1.06"	.61"	1.07"	.93"	**074093401**
½	1.43"	.59"	1.34"	1.19"	.61"	1.22"	1.06"	**074093402**
¾	1.56"	.59"	1.55"	1.37"	.84"	1.43"	1.25"	**074093403**
1	1.68"	.66"	1.95"	1.69"	1.06"	1.73"	1.56"	**074093404**
1¼	2.03"	.63"	2.39"	2.06"	1.37"	2.36"	2.08"	**074093405**
1½	2.21"	.63"	2.72"	2.38"	1.53"	2.79"	2.48"	**074093406**
2	2.28"	.69"	3.08"	2.87"	2.06"	3.32"	2.90"	**074093408**

Straight with Male Fitting with Insulated Throat

Dimensions, Inches

Trade Size Inches	A Ref.	B Ref.	C A/C*	C A/F*	D Throat Dia.	E A/C*	E A/F*	Catalog Number
⅜	1.50"	.66"	1.20"	1.06"	.57"	1.07"	.93"	**074093511**
½	1.50"	.66"	1.34"	1.19"	.57"	1.22"	1.06"	**074093512**
¾	1.62"	.66"	1.55"	1.38"	.78"	1.43"	1.25"	**074093513**
1	1.75"	.72"	1.95"	1.69"	.98"	1.73"	1.56"	**074093514**
1¼	2.09"	.69"	2.39"	2.06"	1.29"	2.36"	2.08"	**074093515**
1½	2.28"	.69"	2.72"	2.37"	1.53"	2.79"	2.48"	**074093516**
2	2.34"	.75"	3.08"	2.87"	1.95"	3.32"	2.90"	**074093518**
2½	3.56"	1.06"	3.92"	3.62"	2.42"	3.85"	3.60"	**074093520**
3	3.81"	1.06"	4.70"	4.31"	3.01"	4.65"	4.33"	**074093522**
4	3.81"	1.06"	5.75"	5.31"	3.96"	5.75"	5.39"	**074093526**

45° Angle with Male Fitting

Dimensions, Inches

Trade Size Inches	H	J Ref.	K	L A/C*	L A/F*	M Throat Dia.	N A/C*	N A/F*	Catalog Number
⅜	1.19"	1.28"	.59"	1.20"	1.06"	.60"	1.16"	1.02"	**074093441**
½	1.19"	1.28"	.59"	1.34"	1.19"	.61"	1.21"	1.06"	**074093442**
¾	1.19"	1.43"	.59"	1.55"	1.45"	.84"	1.50"	1.32"	**074093443**
1	1.38"	1.53"	.66"	1.95"	1.69"	1.05"	1.82"	1.59"	**074093444**
1¼	1.42"	1.69"	.63"	2.39"	2.06"	1.37"	2.32"	2.03"	**074093445**
1½	1.66"	2.00"	.66"	2.72"	2.38"	1.60"	2.62"	2.29"	**074093446**
2	1.69"	2.25"	.66"	3.08"	2.88"	2.05"	3.21"	2.80"	**074093448**

45° Angle with Male Fitting with Insulated Throat

Dimensions, Inches

Trade Size Inches	H	J Ref.	K	L A/C*	L A/F*	M Throat Dia.	N A/C*	N A/F*	Catalog Number
⅜	1.25"	1.28"	.66"	1.20"	1.06"	.57"	1.16"	1.02"	**074093561**
½	1.25"	1.28"	.66"	1.34"	1.19"	.57"	1.21"	1.06"	**074093562**
¾	1.25"	1.44"	.66"	1.55"	1.45"	.78"	1.50"	1.32"	**074093563**
1	1.44"	1.53"	.72"	1.95"	1.69"	.98"	1.82"	1.59"	**074093564**
1¼	1.48"	1.69"	.69"	2.39"	2.06"	1.29"	2.32"	2.03"	**074093565**
1½	1.72"	2.00"	.72"	2.72"	2.38"	1.53"	2.62"	2.29"	**074093566**
2	1.75"	2.25"	.72"	3.08"	2.87"	1.95"	3.21"	2.80"	**074093568**

90° Angle with Male Fitting

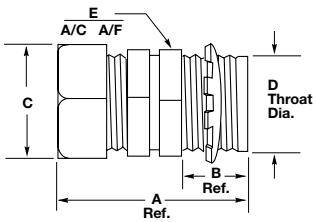
Dimensions, Inches

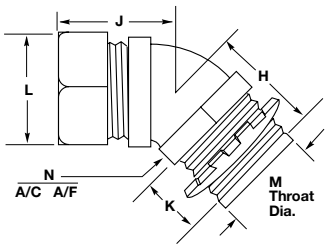
Trade Size Inches	D	E	F A/C*	F A/F*	G Ref.	O Throat Dia.	P A/C*	P A/F*	Catalog Number
⅜	1.31"	.59"	1.20"	1.06"	1.44"	.60"	1.13"	.99"	**074093421**
½	1.31"	.59"	1.34"	1.12"	1.44"	.61"	1.21"	1.00"	**074093422**
¾	1.44"	.59"	1.55"	1.45"	1.63"	.83"	1.48"	1.29"	**074093423**
1	1.78"	.66"	1.95"	1.60"	2.19"	1.05"	1.80"	1.57"	**074093424**
1¼	1.97"	.63"	2.39"	2.06"	2.50"	1.37"	2.32"	2.02"	**074093425**
1½	2.19"	.66"	2.72"	2.38"	2.69"	1.61"	2.58"	2.25"	**074093426**
2	2.53"	.66"	3.08"	2.87"	3.25"	2.05"	3.14"	2.75"	**074093428**

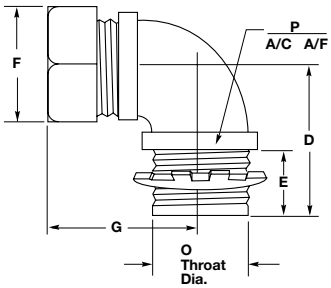
90° Angle with Male Fitting with Insulated Throat

Dimensions, Inches

Trade Size Inches	D	E	F A/C*	F A/F*	G Ref.	O Throat Dia.	P A/C*	P A/F*	Catalog Number
⅜	1.38"	.66"	1.20"	1.06"	1.44"	.60"	1.13"	.99"	**074093541**
½	1.38"	.66"	1.34"	1.12"	1.44"	.57"	1.21"	1.00"	**074093542**
¾	1.50"	.66"	1.55"	1.45"	1.63"	.78"	1.48"	1.29"	**074093543**
1	1.84"	.66"	1.95"	1.60"	2.19"	.98"	1.80"	1.57"	**074093544**
1¼	2.03"	.69"	2.39"	2.06"	2.50"	1.29"	2.32"	2.02"	**074093545**
1½	2.25"	.69"	2.72"	2.38"	2.69"	1.53"	2.58"	2.20"	**074093546**
2	2.59"	.72"	3.08"	2.87"	3.25"	1.95"	3.14"	2.75"	**074093548**
2½	3.44"	1.00"	3.92"	3.63"	4.25"	2.42"	3.78"	3.50"	**074093550**
3	3.75"	1.00"	4.70"	4.31"	4.87"	3.01"	4.64"	4.30"	**074093552**







*Note: *A/C - Across Corners; A/F - Across Flats.*

Dimensions shown are approximate and are subject to change without notice.

Strain Relief for UL Type A, Flexible, Liquidtight Conduit

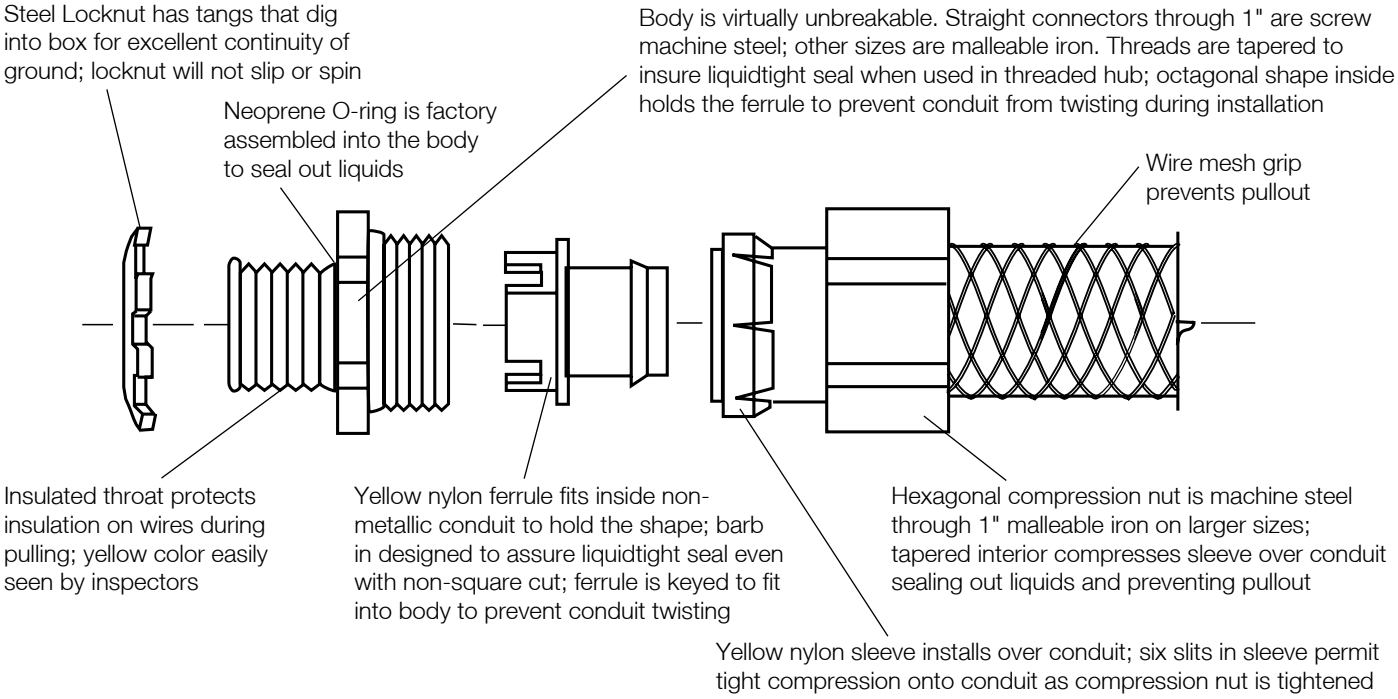
Kellems Grips for UL Type A, non-metallic, flexible, liquidtight conduit are available in straight and 90° male and feature a high quality Hubbell plated steel or malleable iron fitting, complete with a sealing O-ring, lock nut and stainless steel mesh. These grips increase the retention of the conduit in the fitting, control its arc-of-bend and provide a liquidtight seal.

Application

These grips are used on UL Type A non-metallic conduit connections at limit switches, motor boxes, panel boards, control stations and on all types of machinery and machine tools.

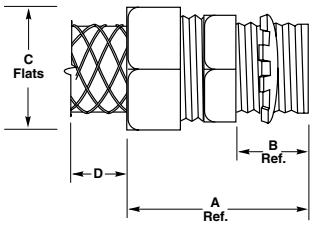
Benefits

- Provides a liquidtight seal
- Helps prevent conduit pull-out
- Reduces conduit cutting, kinking, fraying and splitting at the fitting
- Easily installed



Dimensional Charts For UL Type A, Liquidtight Conduit Grip Fittings

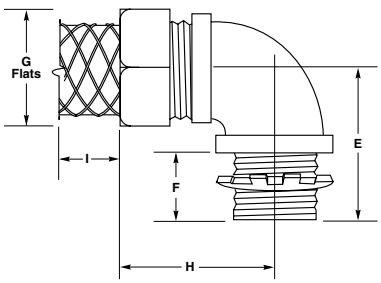
Straight with Male Fitting with Insulated Throat



Dimensions Inches (cm)

Trade Size NPT Inches	A	B	C	D	Catalog Number
⅜	1.922" (4.88)	.594" (1.51)	1.156" (2.94)	3.75" (9.52)	**H038CNK**
½	1.922" (4.88)	.594" (1.51)	1.250" (3.17)	4.50" (11.43)	**H050CNK**
¾	2.016" (5.12)	.594" (1.51)	1.500" (3.81)	6.25" (15.87)	**H075CNK**
1	2.157" (5.48)	.719" (1.83)	1.844" (4.68)	7.50" (19.05)	**H100CNK**
1¼	2.219" (5.64)	.750" (1.91)	2.312" (5.87)	9.00" (22.86)	**H125CNK**
1½	2.344" (5.95)	.750" (1.91)	2.578" (6.55)	13.50" (34.29)	**H150CNK**
2	2.406" (6.11)	.750" (1.91)	3.187" (8.09)	14.50" (36.83)	**H200CNK**

90° Angle with Male Fitting with Insulated Throat



Dimensions Inches (cm)

Trade Size NPT Inches	E	F	G	H	I	Catalog Number
⅜	1.250" (3.18)	.594" (1.51)	1.156" (2.94)	1.453" (3.69)	3.75" (9.52)	**H0389CNK**
½	1.281" (3.25)	.594" (1.51)	1.250" (3.17)	1.453" (3.69)	4.50" (11.43)	**H0509CNK**
¾	1.438" (3.65)	.594" (1.51)	1.500" (3.81)	1.000" (2.54)	6.25" (15.87)	**H0759CNK**
1	1.750" (4.44)	.719" (1.83)	1.844" (4.68)	2.125" (5.40)	7.50" (19.05)	**H1009CNK**
1¼	1.969" (5.00)	.750" (1.91)	2.312" (5.87)	2.344" (5.95)	9.00" (22.86)	**H1259CNK**
1½	2.250" (5.71)	.750" (1.91)	2.578" (6.55)	2.500" (6.35)	13.50" (34.29)	**H1509CNK**
2	2.531" (6.43)	.750" (1.91)	3.187" (8.09)	2.781" (7.06)	14.50" (36.83)	**H2009CNK**

Features and Benefits

Cord Connectors

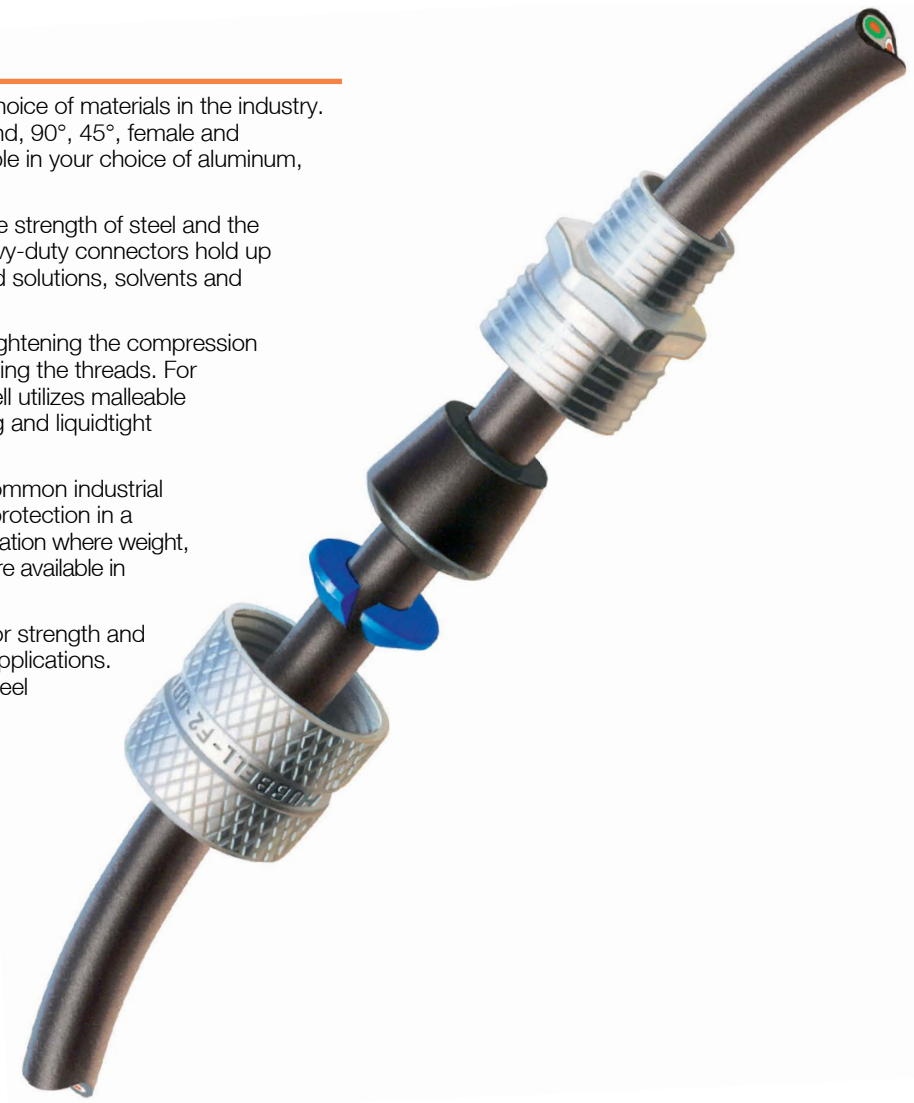
Hubbell has the broadest line and the widest choice of materials in the industry. NPT hub sizes from ¼" to 3" in straight male end, 90°, 45°, female and underground feed connectors. They are available in your choice of aluminum, plated steel, nylon and stainless steel.

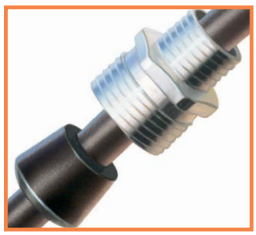
The zinc-plated steel cord connectors offers the strength of steel and the corrosion resistance of zinc-plating. These heavy-duty connectors hold up to most manufacturing chemicals including acid solutions, solvents and other corrosive materials.

Their machined steel nut and body allows for tightening the compression nut and NPT hub without worrying about stripping the threads. For larger size cord, NPT hub sizes 1" to 2", Hubbell utilizes malleable iron connectors which provide excellent holding and liquidtight performance.

Hubbell's nylon cord connectors resist most common industrial corrosives and provide highly effective pullout protection in a lightweight design. They are ideal for any application where weight, conductivity or corrosion may be an issue. They're available in NPT hub sizes from ¼" to 1".

Stainless steel cord connectors provide superior strength and corrosion resistance for industrial and military applications. They are machined from 300 series stainless steel and come in ¼" to 1", NPT hub sizes.





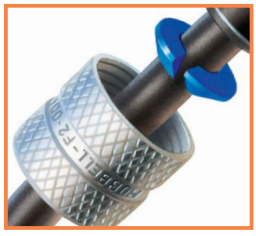
Liquidtight Seal

- Lubricated neoprene bushing compresses easily for a liquidtight seal and added pull-out protection
- The connector body is a one-piece design with machined threads; a tapered interior seats the bushing evenly for a liquidtight seal



Connector Body

- Machined threads provide a strong positive seal; the tapered interior dome easily drives the bushing into the connector body



Connector Identification

- The patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief, also color-coded for sizing identification



Comprehensive Offering

- Hubbell offers a full line of machined aluminum cord connectors in NPT hub sizes ¼" through 1" and cast aluminum 1" to 3"
- They provide durable performance and a clean attractive look without adding unwanted weight; NPT hub sizes ¼" to 1" feature an attractive knurled finish which makes them easy to handle

UL Listed to
Type 4, 4X, 12 and 13

Straight Male Cord Connectors

IP66*
SUITABILITY

Form Size 1-4



Straight Male

NPT Hub Size	Cord Dia. Inches (mm)	Form Size	Color Code	Machined Aluminum	Machined Zinc-Plated Steel	Stainless Steel	Nylon Gray	Nylon Black
¼	.06"-.13" (1.6-3.2)	F1	Green	—	—	—	SHC1001CR	—
	.13"-.19" (3.2-4.7)		Orange	SHC1002	—	—	SHC1002CR	—
	.19"-.25" (4.7-6.3)		Red	SHC1003	—	SHC1003SS	SHC1003CR	—
	.25"-.31" (6.3-7.9)		Black	SHC1004	—	SHC1004SS	SHC1004CR	—
	.31"-.38" (7.9-9.5)		White	SHC1005**	—	—	SHC1005CR	SHC2005CR
	.38"-.44" (9.5-11)		Blue	—	—	—	SHC1006CR	—
⅜	.06"-.13" (1.6-3.2)	F1	Green	SHC1007	—	—	—	—
	.13"-.19" (3.2-4.7)		Orange	SHC1008	SHC1008ZP	—	SHC1008CR	SHC2008CR
	.19"-.25" (4.7-6.3)		Red	SHC1009	—	SHC1009SS	SHC1009CR	—
	.25"-.31" (6.3-7.9)		Black	SHC1010	SHC1010ZP	—	SHC1010CR	SHC2010CR
	.31"-.38" (7.9-9.5)		White	SHC1011	—	SHC1011SS	SHC1011CR	SHC2011CR
	.38"-.44" (9.5-11.0)		Blue	SHC1012	SHC1012ZP	SHC1012SS	SHC1012CR	SHC2012CR
½	.19"-.25" (4.7-6.3)	F1	Red	SHC1015	—	—	—	—
	.25"-.31" (6.3-7.9)		Black	SHC1016	—	—	—	—
	.31"-.38" (7.9-9.5)		White	SHC1017	—	—	—	—
	.38"-.44" (9.5-11.0)		Blue	SHC1018	—	—	—	—
½	.06"-.13" (1.6-3.2)	F2	Green	SHC1019	—	—	SHC1019CR	—
	.13"-.19" (3.2-.4.7)		Orange	SHC1020	SHC1020ZP	SHC1020SS	SHC1020CR	—
	.19"-.25" (4.7-6.3)		Red	SHC1021	SHC1021ZP	SHC1021SS	SHC1021CR	SHC2021CR
	.25"-.38" (6.3-.9.7)		White	SHC1022	SHC1022ZP	SHC1022SS	SHC1022CR	SHC2022CR
	.38"-.50" (9.7-12.7)		Blue	SHC1023	SHC1023ZP	SHC1023SS	SHC1023CR	SHC2023CR
	.50"-.63" (12.7-15.9)		Brown	SHC1024	SHC1024ZP	SHC1024SS	SHC1024CR**	SHC2024CR**
½	.38"-.50" (9.7-12.7)	F3	Blue	SHC1025	—	—	—	—
	.50"-.63" (12.7-15.9)		Brown	SHC1026	—	—	—	—
	.63"-.75" (15.9-19.0)		Yellow	SHC1027**	SHC1027ZP**	—	—	—
	.75"-.88" (19.0-22.2)		Orchid	SHC1028**	SHC1028ZP**	—	—	—
¾	.06"-.13"(1.6-3.2)	F2	Green	SHC1029	—	—	—	—
	.13"-.19"(3.2-4.7)		Orange	SHC1030	SHC1030ZP	—	—	—
	.19"-.25"(4.7-6.3)		Red	SHC1031	SHC1031ZP	—	—	—
	.25"-.38"(6.3-9.7)		White	SHC1032	SHC1032ZP	—	—	—
	.38"-.50" (9.7-12.7)		Blue	SHC1033	SHC1033ZP	—	—	—
	.50"-.63" (12.7-15.9)		Brown	SHC1034	SHC1034ZP	—	—	—
¾	.38"-.50" (9.5-12.7)	F3	Blue	—	SHC1035ZP	SHC1035SS	SHC1035CR	SHC2035CR
	.50"-.63" (12.7-15.9)		Brown	SHC1036	—	SHC1036SS	SHC1036CR	SHC2036CR
	.63"-.75" (15.9-19.0)		Yellow	SHC1037	SHC1037ZP	SHC1037SS	SHC1037CR	SHC2037CR
	.75"-.88" (19.0-22.2)		Orchid	SHC1038**	SHC1038ZP**	SHC1038SS**	SHC1038CR**	SHC2038CR**
1	.50"-.63" (12.7-15.9)	F3	Brown	—	SHC1097ZP	—	—	—
	.63"-.75" (15.9-19.0)		Yellow	—	SHC1098ZP	—	—	—
	.75"-.88" (19.0-22.2)		Orchid	—	SHC1099ZP	—	—	—
1	.38"-.50" (9.7-12.7)	F4	Blue	SHC1039	—	—	SHC1039CR	—
	.50"-.63" (12.7-15.9)		Brown	SHC1040	—	—	SHC1040CR	SHC2040CR
	.63"-.75" (15.9-19.0)		Yellow	SHC1041	—	SHC1041SS	SHC1041CR	SHC2041CR
	.75"-.88" (19.0-22.2)		Orchid	SHC1042	—	SHC1042SS	SHC1042CR	SHC2042CR
	.88"-1.00"(22.2-25.4)		Gray	SHC1043	SHC1043ZP	SHC1043SS	SHC1043CR	SHC2043CR
	1.00"-1.13" (25.4-28.6)		Pink	SHC1044**	—	SHC1044SS**	SHC1044CR**	SHC2044CR**

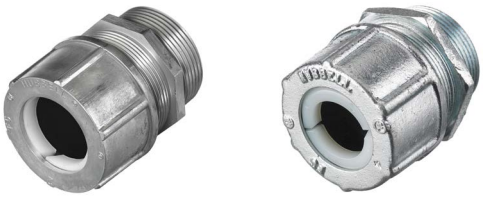
Note: See pages W-78 to W-88 for technical information and dimensional drawings.
**IP66 Suitability when used with optional metal clad O-ring, see page W-75 for additional information.*
***Cable jacket may have to be stripped to pass through connector body.*
Form 4 aluminum and plated steel nuts are machined, bodies are cast aluminum.
Locknuts sold separately. See page W-75 for additional information.

UL Listed to
Type 4, 4X, 12 and 13

Straight Male Cord Connectors

IP66*
SUITABILITY

Form Size 5-8



Straight Male

NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Cast Aluminum	Malleable Iron
1	.88"-1.00"	(22.2-25.4)	F5	**SHC1046**	—
	1.00"-1.13"	(25.4-28.6)		**SHC1047****	—
	1.13"-1.25"	(28.6-31.7)		**SHC1048****	—
	1.25"-1.38"	(31.7-34.9)		**SHC1049****	—
1¼	.75"-.88"	(19.0-22.2)	F5	**SHC1050**	—
	.88"-1.00"	(22.2-25.4)		**SHC1051**	—
	1.00"-1.13"	(25.4-28.6)		**SHC1052**	**SHC1052ZP**
	1.13"-1.25"	(28.6-31.7)		**SHC1053**	**SHC1053ZP**
	1.25"-1.38"	(31.7-34.9)		**SHC1054****	**SHC1054ZP**
1½	.75"-.88"	(19.0-22.2)	F5	**SHC1055**	—
	.88"-1.00"	(22.2-25.4)		**SHC1056**	—
	1.00"-1.13"	(25.4-28.6)		**SHC1057**	**SHC1057ZP**
	1.13"-1.25"	(28.6-31.7)		**SHC1058**	**SHC1058ZP**
	1.25"-1.38"	(31.7-34.9)		**SHC1059**	**SHC1059ZP**
1½	1.38"-1.50"	(34.9-38.1)	F6	**SHC1061**	—
	1.50"-1.63"	(38.1-41.3)		**SHC1062****	—
	1.63"-1.75"	(41.3-44.4)		**SHC1063****	—
	1.75"-1.88"	(44.4-47.6)		**SHC1064****	—
2	1.25"-1.38"	(31.7-34.9)	F6	**SHC1065**	—
	1.38"-1.50"	(34.9-38.1)		**SHC1066**	—
	1.50"-1.63"	(38.1-41.3)		**SHC1067**	—
	1.63"-1.75"	(41.3-44.4)		**SHC1068**	—
	1.75"-1.88"	(44.4-47.6)		**SHC1069**	—
2	1.69"-1.81"	(42.9-46.0)	F7	**SHC1070**	—
	1.81"-1.94"	(46.0-49.2)		**SHC1071**	—
	1.94"-2.06"	(49.2-52.4)		**SHC1072****	—
	2.06"-2.19"	(52.4-55.6)		**SHC1073****	—
	2.19"-2.31"	(55.6-58.7)		**SHC1074****	—
2½	1.69"-1.81"	(42.9-46.0)	F7	**SHC1076**	—
	1.81"-1.94"	(46.0-49.2)		**SHC1077**	—
	1.94"-2.06"	(49.2-52.4)		**SHC1078**	—
	2.06"-2.19"	(52.4-55.6)		**SHC1079**	—
	2.19"-2.31"	(55.6-58.7)		**SHC1080**	—
	2.31"-2.44"	(58.7-61.9)		**SHC1081****	—
3	1.69"-1.81"	(42.9-46.0)	F7	**SHC1086**	—
	1.94"-2.06"	(49.2-52.4)		**SHC1088**	—
	2.06"-2.19"	(52.4-55.6)		**SHC1089**	—
	2.19"-2.31"	(55.6-58.7)		**SHC1090**	—
	2.31"-2.44"	(58.7-61.9)		**SHC1091**	—
3	2.44"-2.63"	(61.9-66.7)	F8	**SHC1092**	—
	2.63"-2.81"	(66.7-71.4)		**SHC1093**	—
	2.81"-3.00"	(71.4-76.2)		**SHC1094**	—
	3.00"-3.25"	(76.2-82.5)		**SHC1095****	—

Note: See pages W-78 to W-88 for technical information and dimensional drawings.
**IP66 Suitability when used with optional metal clad O-ring, see page W-75 for additional information.*
***Cable jacket may have to be stripped to pass through connector body.*
Locknuts sold separately. See page W-75 for additional information.

UL Listed to
Type 4, 4X, 12 and 13

45° and 90° Male Cord Connectors

IP66*
SUITABILITY

Form Size 1-6



90° Male

NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Color Code	Machined Aluminum†	Machined Zinc-Plated SteelΔ	Cast Aluminum	Nylon Gray	Nylon Black
⅜	.25"-.31"	(6.3-7.9)	F1	Black	**NHC1010**	—	—	—	—
	.31"-.38"	(7.9-9.5)		White	**NHC1011**	—	—	—	—
	.38"-.44"	(9.5-11.0)		Blue	**NHC1012**	—	—	—	—
½	.06"-.13"	(1.6-3.2)	F2	Green	—	—	—	—	—
	.13"-.19"	(3.2-4.7)		Orange	**NHC1020**	—	—	**NHC1020CR**	—
	.19"-.25"	(4.7-6.3)		Red	**NHC1021**	**NHC1021ZP**	—	**NHC1021CR**	—
	.25"-.38"	(6.3-9.7)		White	**NHC1022**	**NHC1022ZP**	—	**NHC1022CR**	**NHC2022CR**
	.38"-.50"	(9.7-12.7)		Blue	**NHC1023**	**NHC1023ZP**	—	**NHC1023CR**	**NHC2023CR**
	.50"-.63"	(12.7-15.9)		Brown	**NHC1024****	**NHC1024ZP****	—	**NHC1024CR****	**NHC2024CR****
¾	.38"-.50"	(9.7-12.7)	F3	Blue	**NHC1035**	**NHC1035ZP**	—	**NHC1035CR**	—
	.50"-.63"	(12.7-15.9)		Brown	**NHC1036**	**NHC1036ZP**	—	**NHC1036CR**	—
	.63"-.75"	(15.9-19.0)		Yellow	**NHC1037**	**NHC1037ZP**	—	**NHC1037CR**	—
	.75"-.88"	(19.0-22.2)		Orchid	**NHC1038**	**NHC1038ZP**	—	**NHC1038CR**	—
1	.50"-.63"	(12.7-15.9)	F4	Brown	**NHC1040**	—	—	—	—
	.63"-.75"	(15.9-19.0)		Yellow	**NHC1041**	**NHC1041ZP**	—	**NHC1041CR**	**NHC2041CR**
	.75"-.88"	(19.0-22.2)		Orchid	**NHC1042**	—	—	**NHC1042CR**	**NHC2042CR****
	.88"-1.00"	(22.2-25.4)		Gray	**NHC1043****	—	—	**NHC1043CR**	—
	1.00"-1.13"	(25.4-28.7)		Pink	**NHC1044****	—	—	—	—
1¼	.88"-1.00"	(22.2-25.4)	F5	—	—	—	**NHC1051**	—	—
	1.00"-1.13"	(25.4-28.6)		—	—	—	**NHC1052**	—	—
	1.13"-1.25"	(28.6-31.7)		—	—	—	**NHC1053****	—	—
	1.25"-1.38"	(31.7-34.9)		—	—	—	**NHC1054****	—	—
1½	1.00"-1.13"	(25.4-28.6)	F5	—	—	—	**NHC1057**	—	—
	1.13"-1.25"	(28.6-31.7)		—	—	—	—	—	—
	1.25"-1.38"	(31.7-34.9)		—	—	—	**NHC1059**	—	—
2	1.38"-1.50"	(34.9-38.1)	F6	—	—	—	**NHC1066**	—	—
	1.50"-1.63"	(38.1-41.3)		—	—		**NHC1067**	—	—



45° Male

NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Color Code	Machined Aluminum†	Machined Zinc-Plated SteelΔ	Cast Aluminum
½	.19"-.25"	(4.7-6.3)	F2	Red	**VHC1021**	—	—
	.25"-.38"	(6.3-9.7)		White	**VHC1022**	**VHC1022ZP**	—
	.38"-.50"	(9.7-12.7)		Blue	**VHC1023**	**VHC1023ZP**	—
	.50"-.63"	(12.7-15.9)		Brown	**VHC1024****	**VHC1024ZP****	—
¾	.38"-.50"	(9.7-12.7)	F3	Blue	**VHC1035**	—	—
	.50"-.63"	(12.7-15.9)		Brown	**VHC1036**	—	—
	.63"-.75"	(15.9-19.0)		Yellow	**VHC1037****	—	—
1	.63"-.75"	(15.9-19.0)	F4	Yellow	**VHC1041**	—	—
	.75"-.88"	(19.0-22.2)		Orchid	**VHC1042**	—	—
1¼	1.00"-1.13"	(25.4-28.6)	F5		—	—	**VHC1052**
	1.13"-1.25"	(28.6-31.7)			—	—	**VHC1053****

Note: See pages W-78 to W-88 for technical information and dimensional drawings.
**IP66 Suitability when used with optional metal clad O-ring, see page W-75 for additional information.*
***Cable jacket may have to be stripped to pass through connector body.*
†Nuts are machined aluminum and bodies are cast aluminum.
ΔCompression nuts are machined zinc-plated steel and bodies are zinc-plated malleable iron. Locknuts sold separately. See page W-75 for additional information.

Straight Female, Underground Feeder and Metric Connectors

Form Size 1-4



Straight Female

NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Color Code	Machined Aluminum
½	.25"-.38"	(6.3-9.7)	F2	White	**FHC1022**
	.38"-.50"	(9.7-12.7)		Blue	**FHC1023**
¾	.38"-.50"	(9.7-12.7)	F2	Blue	**FHC1033**
	.50"-.63"	(12.7-15.9)		Brown	**FHC1034**
1	.75"-.88"	(19.0-22.2)	F4	Orchid	**FHC1042†**
	.88"-1.00"	(22.2-25.4)		Gray	**FHC1043†**

Note: See pages W-78 to W-88 for technical information and dimensional drawings.
**Cable jacket may have to be stripped to pass through connector body.*
†Nuts are machined aluminum and bodies are cast aluminum.

IP66*
SUITABILITY






Underground Feeder Connectors

NPT Hub Size	Cord Diameter Inches (mm)		Wire Size	UF** Machined Aluminum	Machined Zinc-Plated Steel	Nylon Gray	Nylon Black
½	.2"x.4" min .25"-.55" max	(5.1 x 10.2) (6.3 x 14.0)	2 # 14, 2 # 12, 2 # 10.	**UFC0001**	**UFC0001ZP**	**UFC0001CR**	**UFC2001CR**
¾	.2"x.4" min .25"-.55" max	(5.1x10.2) (6.3x14.0)	2 # 14, 2 # 12, 2 # 10.	**UFC0002**	—	—	—
¾	.2"x.6" min .26"x.78" max	(5.1x15.2) (6.6x19.8)	3 # 14, 3 # 12, 3 # 10.	**UFC0003**	—	**UFC0003CR**	**UFC2003CR**

Note: See pages W-78 to W-88 for technical information and dimensional drawings.
**IP66 Suitability when used with optional metal clad O-ring, see page W-75 for additional information.*
***Wire sizes vary among manufacturers.*
Locknuts sold separately, see page W-75 for additional information.

UL Listed to
Type 4, 4X, 12 and 13†



Metric Aluminum Cord Connectors

Metric Hub Size	Cord Diameter Inches (mm)		Form Size	Color Code	Catalog Number
M16	.31"-.38"	(7.9-9.7)	F1	White	**SHCM161011**
M20	.31"-.38"	(7.9-9.7)	F1	White	**SHCM201017**
M20	.25"-.38"	(6.3-9.7)	F2	White	**SHCM201022**
	.38"-.50"	(9.7-12.7)		Blue	**SHCM201023**
	.50"-.62"	(12.7-15.8)		Brown	**SHCM201024**
M25	.38"-.50"	(9.7-12.7)	F2	Blue	**SHCM251033**
	.50"-.62"	(12.7-15.8)		Brown	**SHCM251034**
M30	.63"-75"	(15.9-19.0)	F3	Yellow	**SHCM301037**

Note: †When used with metal clad O-ring, see page W-75 for additional information.
Non-metallic Locknuts sold separately, see page W-75 for additional information.

Low Profile NPT, PG and Metric Thread Connectors

Non-Metallic Cord Connectors.

IP66*
SUITABILITY







Low Profile NPT Cord Connectors

NPT Hub Size	Cord Diameter Inches (mm)	Black	Gray	Non-metallic Locknuts
⅜	.18"-.31" (4.6-7.9)	**SEC38BA***	**SEC38GA***	**31622002LPK50**
½	.17"-.45" (4.3-11.4)	**SEC50BA**	**SEC50GA**	**31622003LPK50**
¾	.25"-.48" (6.35-12.19)	—	**SEC75RGA**	**31622007LPK50**
¾	.45"-.71" (11.4-18.0)	**SEC75BA**	**SEC75GA**	**31622007LPK50**
1	.59"-1.00" (15-25.4)	**SEC100BA**	**SEC100GA**	**31622008LPK50**

Note: See pages W-78 to W-88 for technical information and dimensional drawings.
Catalog numbers with "PK50" suffix are bulk packed 50 pieces.

Low Profile PGΔ Cord Connectors

Hub Size	Cord Diameter Inches (mm)	Black	Gray	Non-metallic Locknuts
PG7	.11"-.25" (2.9-6.4)	**SECP7BA***	**SECP7GA***	**LNP7BPK100**
PG9	.18"-.31" (4.6-7.9)	**SECP9BA***	**SECP9GA***	**LNP9BPK100**
PG11	.23"-.40" (5.8-10.0)	**SECP11BA***	**SECP11GA***	**LNP11BPK100**
PG13.5	.17"-.47" (4.3-11.9)	**SECP13BA**	**SECP13GA**	**LNP13BPK100**
PG16	.23"-.53" (5.8-13.5)	**SECP16BA**	**SECP16GA**	**LNP16BPK100**
PG21	.45"-.71" (11.4-17.9)	**SECP21BA**	**SECP21GA**	**LNP21BPK100**
PG29	.59"-.99" (15-25.2)	**SECP29BA**	**SECP29GA**	**LNP29BPK25**
PG36	.88"-1.30" (22.2-32.0)	**SECP36BA**	**SECP36GA**	**LNP36BPK25**

Low Profile Metric Cord Connectors

Hub Size	Cord Diameter Inches (mm)	Black	Gray	Non-metallic Locknuts
M12	.12"-.25" (2.9-6.4)	**SECM12B**	**SECM12G**	**LNM12BPK100**
M16	.11"-.31" (2.7-7.9)	**SECM16B**	**SECM16G**	**LNM16BPK100**
M20	.17"-.45" (4.3-11.4)	**SECM20B***	**SECM20G***	**LNM20BPK100**
M25	.49"-.71" (12.3-18.0)	**SECM25B***	**SECM25G***	**LNM25BPK100**
M32	.59"-1.00" (15.0-25.4)	**SECM32B***	**SECM32G***	**LNM32BPK100**
M40	.87"-1.30" (22.0-32.0)	**SECM40B**	**SECM40G**	**LNM40BPK100**

Note: See pages W-78 to W-88 for technical information and dimensional drawings.
Catalog numbers above with "PK100" suffix, i.e. LNP7BPK100, are bulk packed 100 per carton.
Catalog numbers above with "PK25" suffix, i.e. LNP29BPK25, are bulk packed 25 per carton.
**Items indicated are UL recognized components.*
ΔPanzergewinde.





Low Profile Multi-Hole Cord Grip Connectors

NPT Hub Size	Cord Diameter Inches (mm)	Color	Material	Holes	Catalog Number
½	.205" (5.2mm)	Black	Nylon	2	**SEC50B252**
¾	.205" (5.2mm)	Black	Nylon	3	**SEC75B352**
¾	.205" (5.2mm)	Black	Nylon	4	**SEC75B452**
½	.220" (5.6mm)	Black	Nylon	3	**SEC50B356**
1	.215" (5.5mm)	Black	Nylon	9*	**SEC100BSMH9**
1¼	.215" (5.5mm)	Black	Nylon	13*	**SEC125BSMH13**

*Note: *Skinned bushings, field configurable.*

Accessories





Multi-Hole Cord Grip Connectors

NPT Hub Size	Cord Diameter Inches	(mm)	Form Size	Material	Holes	Catalog Number
½	0.23-0.29"	(5.8-7.4mm)	F2	Aluminum	2	**MHC1022**
¾	0.23-0.29"	(5.8-7.4mm)	F3	Aluminum	4	**MHC1032**
½	0.23-0.29"	(5.8-7.4mm)	F2	Nylon Gray	2	**MHC1022CR**
½	0.23-0.29"	(5.8-7.4mm)	F2	Nylon Black	2	**MHC2022CR**
¾	0.23-0.29"	(5.8-7.4mm)	F3	Nylon Gray	4	**MHC1032CR**
¾	0.23-0.29"	(5.8-7.4mm)	F3	Nylon Black	4	**MHC2032CR**




Cord Connector Parts

NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Bushing Catalog Number	Color Code	GOTCHA® Ring Catalog Number
¼, ⅜, ½	.062"-.125"	(1.58-3.17)	F1	**31518101BPK100**	Green	**31648035GPK100**
	.125"-.187"	(3.17-4.76)		**31518102BPK100**	Orange	**31648036GPK100**
	.187"-.250"	(4.76-6.35)		**31518103BPK100**	Red	**31648037GPK100**
	.250"-.312"	(6.35-7.93)		**31518104BPK100**	Black	**31648038GPK100**
	.312"-.375"	(7.93-9.50)		**31518105BPK100**	White	**31605010GPK100**
	.375"-.437"	(9.50-11.1)		**31518106BPK100**	Blue	**31648039GPK100**
½, ¾	.187"-.250"	(4.76-6.35)	F2	**31518110BPK100**	Red	**31648042GPK100**
	.250"-.375"	(6.35-9.50)		**31518111BPK100**	White	**31605015GPK100**
	.375"-.500"	(9.50-12.7)		**31518112BPK100**	Blue	**31648043GPK100**
	.500"-.625"	(12.7-15.8)		**31518113BPK100**	Brown	**31648044GPK100**
½, ¾	.375"-.500"	(9.50-12.7)	F3	**31518116BPK100**	Blue	**31648045GPK100**
	.500"-.625"	(12.7-15.8)		**31518117BPK100**	Brown	**31648046GPK100**
	.625"-.750"	(15.8-19.0)		**31518118BPK100**	Yellow	**31648047GPK100**
	.750"-.875"	(19.0-22.2)		**31518119BPK100**	Orchid	**31648048GPK100**
1	.500"-.625"	(12.7-15.8)	F4	**31518123BPK100**	Brown	**31648050GPK100**
	.625"-.750"	(15.8-19.0)		**31518124BPK100**	Yellow	**31648051GPK100**
	.750"-.875"	(19.0-22.2)		**31518125BPK100**	Orchid	**31648052GPK100**
	.875"-1.00"	(22.2-25.4)		**31518126BPK100**	Gray	**31648053GPK100**
	1.00"-1.125"	(25.4-28.5)		**31518127BPK100**	Pink	**31648054GPK100**

Note: Catalog numbers above with "PK100" suffix, i.e. 31518101BPK100, are bulk packed 100 per carton





Locknuts and Metal Clad Sealing O-Rings

NPT Hub Size	Zinc-Plated Steel Locknuts	Non-Metallic Locknuts	Metal Clad Sealing O-Rings*
¼	—	**31622001LPK50**	—
⅜	—	**31622002LPK50**	—
½	**00322001LPK50**	**31622003LPK50**	**20509001**
¾	**00322002LPK50**	**31622007LPK50**	**20509002**
1	**00322003LPK50**	**31622008LPK50**	**20509003**
1¼	**00322004LPK50**	—	**20509004**
1½	**00322005LPK50**	—	**20509005**
2	**00322006LPK50**	—	**20509006**
2½	**00322007LPK50**	—	**20509007**
3	**00322008LPK50**	—	**20509008**

Note: Catalog numbers above with "PK50" suffix, i.e. 00322001LPK50, are bulk packed 50 per carton. See page W-87 for technical information and dimensional drawings.
**UL listed and CSA certified.*

Features and Benefits

Hubbell Juniors® Miniature Nylon Cord Connectors

Hubbell Juniors are a miniature liquidtight version of the full-sized Hubbell cord connectors. They feature the same GOTCHA® ring technology and neoprene bushings.

They also come with or without a nylon spiral for arc-of-bend control and longer cord life. They are available in ¼", ⅜", and ½" NPT sizes in both gray and black.





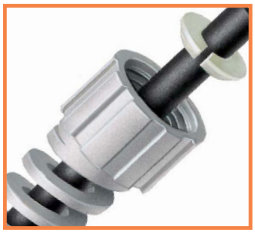
Liquidtight Seal

- Lubricated neoprene bushing compresses evenly for a liquidtight seal and added pull-out protection
- Nylon connector body is a one-piece design with a tapered interior that seals the bushing evenly for a positive seal



Connector Body

- Nylon spiral provides arc-of-bend control for cord protection
- Threaded hexagon shaped nylon locknut secures tightly and is also corrosion resistant



Connector Protection

- Patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief
- Nylon compression nut has a tapered interior dome to easily drive the bushing into the connector body



Comprehensive Offering

- Hubbell Juniors are a miniature liquidtight version of the full-sized Hubbell cord connectors and feature the same GOTCHA® ring technology and neoprene bushings

Hubbell Juniors® Miniature Nylon Cord Connectors

Miniature Nylon Cord Connector

NPT Hub Size	Cord Diameter Range Inches (mm)		Black	Gray
	.08"-.14"	(1.9-3.4)	**HJ1001BPK25**	**HJ1001GPK25**
¼	.14"-.20"	(3.4-5.1)	**HJ1002BPK25**	**HJ1002GPK25**
	.20"-.27"	(5.1-6.7)	**HJ1003BPK25**	**HJ1003GPK25**
	.15"-.21"	(3.7-5.3)	**HJ1004BPK25**	**HJ1004GPK25**
⅜	.21"-.28"	(5.3-7.0)	**HJ1005BPK25**	**HJ1005GPK25**
	.28"-.34"	(7.0-8.6)	**HJ1006BPK25**	**HJ1006GPK25**
	.06"-.13"	(1.6-3.2)	**HJ1055BPK25**	**HJ1055GPK25**
	.13"-.19"	(3.2-4.7)	**HJ1056BPK25**	**HJ1056GPK25**
½	.19"-.25"	(4.7-6.3)	**HJ1057BPK25**	**HJ1057GPK25**
	.25"-.31"	(6.3-7.9)	**HJ1058BPK25**	**HJ1058GPK25**
	.31"-.38"	(7.9-9.5)	**HJ1059BPK25**	**HJ1059GPK25**
	.38"-.44"	(9.5-11.1)	**HJ1060BPK25**	**HJ1060GPK25**



Black Cord Connector



Gray Cord Connector

Miniature Nylon Cord Connector with Spiral

NPT Hub Size	Cord Diameter Range Inches (mm)		Black	Gray
	.08"-.14"	(1.9-3.4)	**HJ1010BPK25**	**HJ1010GPK25**
¼	.14"-.20"	(3.4-5.1)	**HJ1011BPK25**	**HJ1011GPK25**
	.20"-.27"	(5.1-6.7)	**HJ1012BPK25**	**HJ1012GPK25**
	.15"-.21"	(3.7-5.3)	**HJ1013BPK25**	**HJ1013GPK25**
⅜	.21"-.28"	(5.3-7.0)	**HJ1014BPK25**	**HJ1014GPK25**
	.28"-.34"	(7.0-8.6)	**HJ1015BPK25**	**HJ1015GPK25**
	.13"-.19"	(3.2-4.7)	**HJ1038BPK25**	**HJ1038GPK25**
	.19"-.25"	(4.7-6.3)	**HJ1039BPK25**	**HJ1039GPK25**
½	.25"-.31"	(6.3-7.9)	**HJ1040BPK25**	**HJ1040GPK25**
	.31"-.38"	(7.9-9.5)	**HJ1041BPK25**	**HJ1041GPK25**
	.38"-.44"	(9.5-11.1)	**HJ1042BPK25**	**HJ1042GPK25**
¾	.25"-.49"	(6.4-12.3)	**HJ1043BPK25***	**HJ1043GPK25***
	.45"-.71"	(11.4-18.0)	**HJ1044BPK25***	**HJ1044GPK25***

*Note: *Locknuts sold separately, see page W-75 for additional information.*



Black Cord Connector with Spiral



Gray Cord Connector with Spiral

Miniature Nylon Snap-In Cord Connector with Spiral

Cord Diameter Range Inches (mm)		For Chassis Thickness	Black	Gray
.22"-.27"	(5.6-6.9)	.10" (2.5) Max	**HS1001BPK25**	**HS1001GPK25**
.28"-.32"	(7.1-8.1)	.10" (2.5) Max	**HS1002BPK25**	**HS1002GPK25**
.30"-.36"	(7.6-9.1)	.13" (3.2) Max	**HS1003BPK25**	**HS1003GPK25**
.32"-.43"	(8.1-10.9)	.13" (3.2) Max	**HS1004BPK25**	**HS1004GPK25**

Note: Catalog numbers above with "PK25" suffix, i.e. HJ1001GPK25, are bulk packed 25 per carton.
See page W-88 for technical information and dimensional drawings.



Black Snap-In Cord Connector



Gray Snap-In Cord Connector

Operating Temperatures

Material	Temperature Range	
Aluminum	-40°F to +300°F	(-40°C to +149°C)
Nylon (connectors and GOTCHA® rings)	-40°F to +225°F	(-40°C to +107°C)
Plated steel*	-60°F to +1000°F	(-51°C to +537°C)
Stainless steel*	-60°F to +1000°F	(-51°C to +537°C)
Neoprene (bushings)	-30°F to +240°F	(-34°C to +115°C)

*Note: *Due to the limiting factors of nylon and neoprene, any complete cord connector with a GOTCHA ring, Form 1-5, will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).*
Cord connectors without GOTCHA rings, Form 6-8, will continuously operate in the range -30°F to +240°F (-34°C to +115°C) due to the limiting factor of neoprene.

Hazardous Locations

Hubbell cord connectors are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 in accordance with the NEC.

Flammability

Hubbell nylon cord connectors have a UL 94-V2 rating.

Approvals

Agency
UL Listed in accordance with Standard 514B for indoor/outdoor use.
CSA Certified.
United States Coast Guard Approved, Title 46-Part 111.

Form Size Definition

The term “Form Size” refers to the physical overall size of a cord connector.
Form 1 is the smallest size.
Form 8 is the largest size.

Knockout Holes

NPT Hub Size	Knockout Hole Recommended Min. to Max. Inches	(mm)	PG Hub Size	Knockout Hole Recommended Inches	(mm)	Metric Hub Size	Knockout Hole Recommended Inches	(mm)
¼	.54"-.57"	(13.7-14.5)	PG7	492"	(12.5)	M12	.472"	(12)
⅜	.67"-.70"	(17.0-17.8)	PG9	599"	(15.2)	M16	.629"	(16)
½	.86"-.91"	(21.8-23.0)	PG11	.733"	(18.6)	M20	.787"	(20)
¾	1.04"-1.09"	(26.4-27.8)	PG13.5	.804"	(20.4)	M25	.984"	(25)
1	1.36"-1.41"	(34.5-35.7)	PG16	.888"	(22.5)	M32	1.25"	(32)
1¼	1.72"-1.77"	(43.7-44.9)	PG21	1.15"	(28.3)	M40	1.57"	(40)
1½	1.97"-2.02"	(50.0-51.2)	PG29	1.47"	(34.3)			
2	2.45"-2.50"	(62.3-63.5)	PG36	1.85"	(47.0)			
2½	2.95"-3.00"	(75.0-76.2)						
3	3.58"-3.63"	(90.9-92.1)						

NPT, PG and Metric Thread Low Profile Connectors

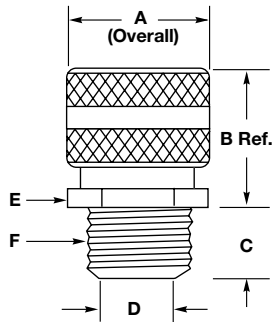
Specifications	
Material	6/6 Nylon.
Gland	Buna N.
Temperature Range	-22°F to 225°F (-30°C to 107°C). Cord Connectors are Halogen and Silicon free.
Protection Class	IP66 Suitability.
Flammability	UL 94X-2.
Listings/Certifications	UL Listing File E-41567, UL Recognition File E-41567. CSA File LR27378C, VDE Marks Licence #136681.



Straight Hubbell Connectors

		Aluminum Inches (mm)						Nylon Inches (mm)					
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*
¼-18	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.32" (8.1)	.99" (25.1)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.43" (10.9)	.33" (8.4)	.1.00" (25.4)	.93" (23.6)
⅜-18	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.44" (11.2)	.99" (25.1)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.43" (10.9)	.45" (11.4)	.1.00" (25.4)	.93" (23.6)
½-14	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.44" (11.2)	1.00" (25.4)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.46" (11.7)	.45" (11.4)	.1.00" (25.4)	.93" (23.6)
½-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.11" (28.2)	1.00" (25.4)	1.32" (33.5)	1.50" (38.1)	.53" (13.5)	.58" (14.7)	1.25" (31.7)	1.12" (28.4)
½-14	3	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.64" (16.3)	1.40" (35.6)	1.25" (31.7)	—	—	—	—	—	—
¾-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	—	—	—	—	—	—
¾-14	3	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.56" (39.6)	1.60" (40.6)	.55" (14.0)	.77" (19.6)	1.44" (36.6)	1.31" (33.3)
1-11½	4	1.75" (44.4)	1.60" (40.6)	.71" (18.0)	1.02" (25.9)	1.81" (46.0)	1.62" (41.1)	1.88" (47.8)	1.75" (44.4)	.70" (17.8)	1.01" (25.7)	1.84" (46.7)	1.63" (41.4)
1-11½	5	2.31" (58.7)	1.70" (43.2)	.66" (16.8)	1.01" (25.7)	2.28" (57.9)	2.00" (50.8)	—	—	—	—	—	—
1¼-11½	5	2.31" (58.7)	1.70" (43.2)	.74" (18.8)	1.26" (32.0)	2.28" (57.9)	2.12" (53.8)	—	—	—	—	—	—
1½-11½	5	2.31" (58.7)	1.70" (43.2)	.74" (18.8)	1.38" (35.1)	2.28" (57.9)	2.12" (53.8)	—	—	—	—	—	—
1½-11½	6	3.00" (76.2)	2.20" (55.9)	.75" (19.0)	1.50" (38.1)	2.97" (75.4)	2.75" (69.8)	—	—	—	—	—	—
2-11½	6	3.00" (76.2)	2.20" (55.9)	.80" (20.3)	1.92" (48.8)	3.24" (82.4)	3.00" (76.2)	—	—	—	—	—	—
2-11½	7	3.85" (97.8)	2.70" (68.6)	.88" (22.4)	1.94" (49.3)	4.05" (102.9)	3.75" (95.2)	—	—	—	—	—	—
2½-8	7	3.85" (97.8)	2.70" (68.6)	1.30" (33.0)	2.32" (58.9)	4.34" (110.2)	4.02" (102.1)	—	—	—	—	—	—
2½-8	8	4.75" (120.6)	2.70" (68.6)	1.25" (31.7)	2.38" (60.5)	4.86" (123.4)	4.50" (114.3)	—	—	—	—	—	—
3-8	7	3.85" (97.8)	2.70" (68.6)	1.30" (33.0)	2.54" (64.5)	4.34" (110.2)	4.02" (102.1)	—	—	—	—	—	—
3-8	8	4.50" (114.3)	2.70" (68.6)	1.38" (35.1)	3.00" (76.2)	4.86" (123.4)	4.50" (114.3)	—	—	—	—	—	—

*Note: *A/C— Across Corners; A/F—Across Flats.*

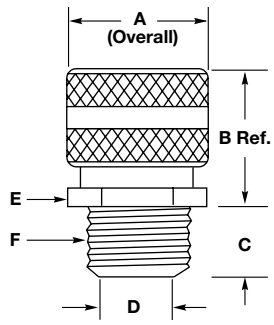


Dimensions shown are approximate and are subject to change without notice.

Straight Hubbell Connectors

		Zinc-Plated Steel Inches (mm)							Stainless Steel Inches (mm)						
F NPT Inches	Form	A A/C*	A A/F*	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A A/C*	A A/F*	B Ref.	C	D Throat Dia.	E A/C*	E A/F*
¼- 18	1	—	—	—	—	—	—	—	1.01" (25.7)	.88" (22.4)	.90" (22.9)	.46" (11.7)	.38" (9.7)	.87" (22.1)	.75" (19.0)
⅜-18	1	.98" (24.9)	.88" (22.4)	.90" (22.9)	.42" (10.7)	.45" (11.4)	.99" (25.1)	.88" (22.4)	1.01" (25.7)	.88" (22.4)	.90" (22.9)	.46" (11.7)	.45" (11.4)	.87" (22.1)	.75" (19.0)
½-14	1	.98" (24.9)	.88" (22.4)	.90" (22.9)	.55" (14.0)	.45" (11.4)	1.00" (25.4)	.88" (22.4)	—	—	—	—	—	—	—
½-14	2	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.10" (28.2)	1.00" (25.4)	1.30" (33.0)	1.13" (28.7)	1.10" (27.9)	.54" (13.7)	.63" (16.0)	1.16" (29.5)	1.00" (25.4)
½-14	3	1.55" (39.4)	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.64" (16.3)	1.40" (35.6)	1.25" (31.7)	—	—	—	—	—	—	—
¾-14	2	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	—	—	—	—	—	—	—
¾-14	3	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.59" (40.4)	1.38" (35.1)	1.30" (33.0)	.56" (14.2)	.81" (20.6)	1.44" (36.6)	1.25" (31.7)
1-11½	3	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.70" (17.8)	.89" (22.6)	1.54" (39.1)	1.38" (35.1)	—	—	—	—	—	—	—
1-11½	4	1.92" (48.8)	1.69" (42.9)	1.60" (40.6)	.70" (17.8)	1.02" (25.9)	1.95" (49.5)	1.69" (42.9)	2.02" (51.3)	1.75" (44.4)	1.40" (35.6)	.70" (17.8)	1.03" (26.2)	1.88" (47.8)	1.63" (41.4)
1-11½	5	2.40" (61.0)	—	1.70" (43.2)	.70" (17.8)	1.02" (25.9)	2.46" (62.5)	2.15" (54.6)	—	—	—	—	—	—	—
1¼-11½	5	2.40" (61.0)	—	1.70" (43.2)	.73" (18.5)	1.27" (32.3)	2.48" (63.0)	2.19" (55.6)	—	—	—	—	—	—	—
1½-11½	5	2.40" (61.0)	—	1.70" (43.2)	.74" (18.8)	1.39" (35.3)	2.48" (63.0)	2.19" (55.6)	—	—	—	—	—	—	—
1½-11½	6	3.06" (77.7)	—	2.20" (55.9)	.75" (19.0)	1.52" (38.6)	3.04" (77.2)	2.83" (71.9)	—	—	—	—	—	—	—
2-11½	6	3.06" (77.7)	—	2.20" (55.9)	.78" (19.8)	1.92" (48.8)	3.32" (84.3)	3.07" (78.0)	—	—	—	—	—	—	—
2-11½	7	3.95" (100.3)	—	2.70" (68.6)	.78" (19.8)	1.99" (50.5)	4.18" (106.2)	3.89" (98.8)	—	—	—	—	—	—	—

*Note: *A/C— Across Corners; A/F—Across Flats.*



Dimensions shown are approximate and are subject to change without notice.

45° Hubbell Connectors

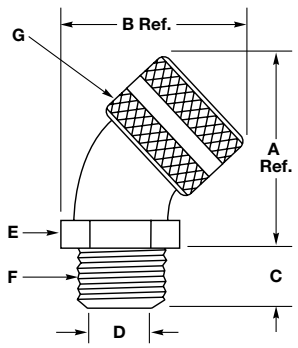
		Aluminum Inches (mm)						Zinc Plated Steel Inches (mm)							
F		A	B	C	D	E		G	A	B	C	D	E		G	
NPT Inches	Form	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	Dia.	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	Across Corners	Across Flats
½-14	2	2.00" (50.8)	1.90" (48.3)	.55" (14.0)	.56" (14.2)	1.27" (32.3)	1.10" (27.9)	1.13" (28.6)	1.97" (50.0)	1.90" (48.3)	.55" (14.0)	.57" (14.4)	1.24" (31.5)	1.06" (26.9)	1.27" (32.3)	1.13" (28.6)
¾-14	3	2.30" (58.4)	2.50" (65.3)	.56" (14.2)	.75" (19.0)	1.48" (37.6)	1.28" (32.5)	1.38" (34.9)	—	—	—	—	—	—	—	—
1-11½	4	2.60" (66.0)	2.80" (71.1)	.70" (17.8)	1.00" (25.4)	1.69" (42.9)	1.50" (38.1)	1.75" (44.4)	—	—	—	—	—	—	—	—
1½-11½	5	3.90" (99.1)	3.90" (9.91)	.74" (18.8)	1.25" (31.7)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	—	—	—	—	—	—	—	—
1½-11½	5	3.90" (99.1)	3.90" (99.1)	.74" (18.8)	1.50" (38.1)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	—	—	—	—	—	—	—	—

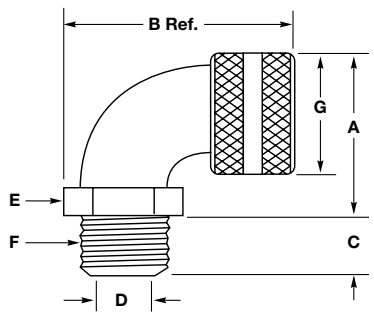
90° Hubbell Connectors

		Aluminum Inches (mm)						Zinc Plated Steel Inches (mm)							
F		A	B	C	D	E		G	A	B	C	D	E		G	
NPT Inches	Form	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	Dia.	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	Across Corners	Across Flats
⅜-18	1	1.27" (32.3)	2.00" (50.8)	.46" (11.7)	.44" (11.2)	1.15" (29.2)	1.10" (27.9)	.88" (22.2)	—	—	—	—	—	—	—	—
½-14	2	1.56" (39.6)	2.30" (58.4)	.50" (12.7)	.55" (13.9)	1.30" (33.0)	1.13" (28.7)	1.13" (28.6)	1.65" (41.9)	2.38" (60.5)	.55" (14.0)	.55" (13.8)	1.29" (32.8)	1.13" (28.7)	1.27" (32.3)	1.13" (28.6)
¾-14	3	1.79" (45.5)	2.80" (71.1)	.56" (14.2)	.77" (19.4)	1.49" (37.8)	1.31" (33.3)	1.38" (34.9)	1.88" (47.8)	2.90" (73.7)	.56" (14.2)	.77" (19.4)	1.52" (38.6)	1.33" (33.8)	1.55" (39.2)	1.38" (34.9)
1-11½	4	2.08" (52.8)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.70" (43.2)	1.50" (38.1)	1.75" (44.4)	2.16" (54.9)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.72" (43.7)	1.50" (38.1)	1.92" (48.8)	1.69" (42.8)
1¼-11½	5	3.18" (80.8)	4.30" (109.2)	.73" (18.5)	1.26" (32.0)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	—	—	—	—	—	—	—	—
1½-11½	5	3.18" (80.8)	4.30" (109.2)	.75" (19.2)	1.50" (38.1)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	—	—	—	—	—	—	—	—
2-11½	6	3.51" (89.2)	5.50" (139.7)	.80" (20.3)	1.92" (48.8)	2.98" (75.7)	2.78" (70.6)	3.00" (76.2)	—	—	—	—	—	—	—	—

90° Hubbell Connectors

		Nylon Inches (mm)						
F		A	B	C	D	E		G
NPT Inches	Form	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	Dia.
⅜-18	1	—	—	—	—	—	—	—
½-14	2	1.41" (35.8)	2.50" (63.5)	.55" (14.0)	.58" (14.6)	1.23" (31.2)	1.12" (28.2)	1.32" (33.4)
¾-14	3	1.65" (41.9)	2.81" (71.4)	.56" (14.2)	.77" (19.4)	1.42" (36.1)	1.29" (32.8)	1.56" (39.6)
1-11½	4	1.99" (50.5)	3.30" (83.8)	.70" (17.8)	1.01" (25.7)	1.82" (46.2)	1.60" (40.6)	1.88" (47.6)

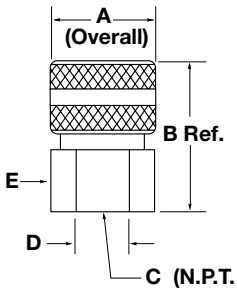


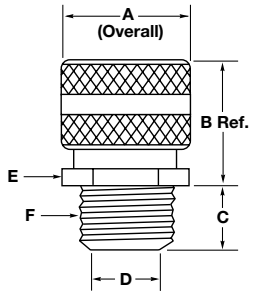


Dimensions shown are approximate and are subject to change without notice.

Female Hubbell Connectors

		Aluminum Inches (mm)					
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats
⅜-18	1	.88" (22.4)	1.40" (35.6)	.56" (14.2)	.44" (11.2)	.94" (23.9)	.81" (20.6)
½-14	2	1.13" (28.7)	1.80" (45.7)	.56" (14.2)	.63" (16.0)	1.15" (29.2)	1.00" (25.4)
¾-14	2	1.13" (28.7)	2.10" (53.3)	.75" (19.0)	.63" (16.0)	1.44" (36.6)	1.25" (31.7)
1-11½	4	1.75" (44.5)	2.30" (58.4)	.88" (22.4)	1.10" (27.9)	1.88" (47.8)	1.63" (41.4)
1¼-11½	5	2.31" (58.7)	2.80" (71.1)	.95" (24.1)	1.43" (36.3)	2.64" (67.1)	2.29" (58.2)
1½-11½	5	2.31" (58.7)	2.80" (71.1)	.95" (24.1)	1.43" (36.3)	2.64" (67.1)	2.29" (58.2)





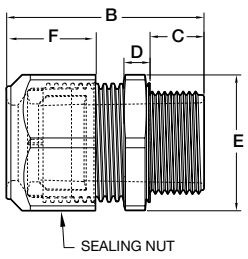
Underground Feeder Connectors

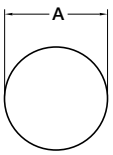
		Aluminum Inches (mm)						Zinc-Plated Steel Inches (mm)						Nylon Inches (mm)					
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*
½-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.10" (27.9)	1.00" (25.4)	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.11" (28.2)	1.00" (25.4)	1.32" (33.5)	1.50" (38.1)	.55" (14.0)	.58" (14.7)	1.25" (31.7)	1.13" (28.7)
¾-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (25.4)	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	—	—	—	—	—	—
¾-14	3	1.13" (28.7)	1.50" (38.1)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.56" (14.2)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.56" (39.6)	1.60" (40.6)	.56" (14.2)	.77" (19.6)	1.44" (36.6)	1.31" (33.3)

*Note: *A/C - Across Corners; A/F - Across Flats.*

Low Profile Non-Metallic NPT, PG and Metric Thread Connectors

	Nylon Inches (mm)					
Hub Size	A	B	C	D	E	F
⅜ NPT	0.670" (17.0)	1.41" (35.8)	0.48" (12.4)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
½ NPT	0.875" (22.2)	1.70" (43.2)	0.61" (15.5)	0.21" (5.3)	0.88" (24.8)	0.66" (16.8)
¾ NPT	1.068" (27.1)	2.00" (50.8)	0.62" (15.7)	0.25" (6.3)	1.30" (33.0)	0.85" (21.6)
1 NPT	1.375" (35.0)	2.41" (61.2)	0.76" (19.3)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
PG7	0.492" (12.5)	1.16" (29.5)	0.32" (8.1)	0.21" (5.3)	0.63" (16.0)	0.48" (12.4)
PG9	0.599" (15.2)	1.25" (31.8)	0.32" (8.1)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
PG11	0.733" (18.6)	1.48" (37.6)	0.38" (9.7)	0.21" (5.3)	0.94" (23.9)	0.70" (17.8)
PG13.5	0.804" (20.4)	1.53" (38.9)	0.41" (10.4)	0.21" (5.3)	0.98" (24.9)	0.66" (16.8)
PG16	0.888" (22.5)	1.68" (42.7)	0.44" (11.2)	0.25" (6.4)	1.06" (27.0)	0.76" (19.3)
PG21	1.15" (28.3)	1.89" (48.0)	0.52" (13.2)	0.25" (6.4)	1.30" (33.0)	.085" (21.6)
PG29	1.47" (37.30)	2.23" (56.6)	0.58" (14.7)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
PG36	1.85" (47.0)	2.39" (60.7)	0.47" (11.9)	0.31" (7.9)	2.05" (52.7)	1.19" (30.2)
M12	0.473" (12.0)	1.16" (29.5)	0.32" (8.1)	0.21" (5.3)	0.63" (16.0)	0.49" (12.4)
M16	0.630" (16.0)	1.25" (31.8)	0.32" (8.1)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
M20	0.787" (20.0)	1.53" (38.9)	0.41" (10.4)	0.21" (5.3)	0.98" (24.9)	0.66" (16.8)
M25	0.985" (25.0)	1.89" (48.0)	0.52" (13.2)	0.25" (6.3)	1.30" (33.0)	0.85" (21.6)
M32	1.260" (32.0)	2.23" (56.6)	0.58" (14.7)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
M40	1.575" (40.0)	2.39" (60.7)	0.48" (12.2)	0.30" (7.6)	2.05" (52.1)	1.19" (30.2)





Recommended knockout size

Dimensions shown are approximate and are subject to change without notice.

2 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#18	#18	#16	#14	#18	#16	#14	#12	#10	#8
Approx. Dia. Inches (mm)		.25" (6.2)	.31" (7.8)	.33" (8.4)	.37" (9.3)	.38" (9.7)	.40" (10.2)	.54" (13.7)	.62" (15.6)	.68" (17.1)	.81" (20.6)
Color		Black	Black	White	White	Blue	Blue	Brown	Brown	Yellow	Orchid
NPT	Form	Catalog Number*									
¼	1	**HC1004**	**HC1004**	**HC1005**	**HC1005**	**HC1006**	**HC1006**	—	—	—	—
⅜	1	**HC1010**	**HC1010**	**HC1011**	**HC1011**	**HC1012**	**HC1012**	—	—	—	—
½	1	**HC1016**	**HC1016**	**HC1017**	**HC1017**	**HC1018**	**HC1018**	—	—	—	—
½	2	**HC1022**	**HC1022**	**HC1022**	**HC1022**	**HC1023**	**HC1023**	**HC1024**	**HC1024**	—	—
½	3	—	—	—	—	**HC1025**	**HC1025**	**HC1026**	**HC1026**	**HC1027**	**HC1028**
¾	2	**HC1032**	**HC1032**	**HC1032**	**HC1032**	**HC1033**	**HC1033**	**HC1034**	**HC1034**	—	—
¾	3	—	—	—	—	**HC1035**	**HC1035**	**HC1036**	**HC1036**	**HC1037**	**HC1038**
1	4	—	—	—	—	**HC1039**	**HC1039**	**HC1040**	**HC1040**	**HC1041**	**HC1042**
1	5	—	—	—	—	—	—	—	—	—	**HC1045**
1¼	5	—	—	—	—	—	—	—	—	—	**HC1050**
1½	5	—	—	—	—	—	—	—	—	—	**HC1055**
1½	6	—	—	—	—	—	—	—	—	—	—
2	6	—	—	—	—	—	—	—	—	—	—
2	7	—	—	—	—	—	—	—	—	—	—
2½	7	—	—	—	—	—	—	—	—	—	—
3	7	—	—	—	—	—	—	—	—	—	—

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86.*
‡F5 and larger will not be color coded.

3 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#18	#18	#16	#14	#18	#16	#14	#12	#10	#8
Approx. Dia. Inches (mm)		.26" (6.5)	.33" (8.3)	.35" (8.9)	.39" (9.8)	.39" (9.9)	.42" (10.7)	.57" (14.4)	.65" (16.4)	.71" (18.0)	.85" (21.5)
Color		Black	White	White	Blue	Blue	Blue	Brown	Yellow	Yellow	Orchid
NPT	Form	Catalog Number*									
¼	1	**HC1004**	**HC1005**	**HC1005**	**HC1006**	**HC1006**	**HC1006**	—	—	—	—
⅜	1	**HC1010**	**HC1011**	**HC1011**	**HC1012**	**HC1012**	**HC1012**	—	—	—	—
½	1	**HC1016**	**HC1017**	**HC1017**	**HC1018**	**HC1018**	**HC1018**	—	—	—	—
½	2	**HC1022**	**HC1022**	**HC1022**	**HC1023**	**HC1023**	**HC1023**	**HC1024**	—	—	—
½	3	—	—	—	**HC1025**	**HC1025**	**HC1025**	**HC1026**	**HC1027**	**HC1027**	**HC1028**
¾	2	**HC1032**	**HC1032**	**HC1032**	**HC1033**	**HC1033**	**HC1033**	**HC1034**	—	—	—
¾	3	—	—	—	**HC1035**	**HC1035**	**HC1035**	**HC1036**	**HC1037**	**HC1037**	**HC1038**
1	4	—	—	—	**HC1039**	**HC1039**	**HC1039**	**HC1040**	**HC1041**	**HC1041**	**HC1042**
1	5	—	—	—	—	—	—	—	—	—	**HC1045**
1¼	5	—	—	—	—	—	—	—	—	—	**HC1050**
1½	5	—	—	—	—	—	—	—	—	—	**HC1055**
1½	6	—	—	—	—	—	—	—	—	—	—
2	6	—	—	—	—	—	—	—	—	—	—
2	7	—	—	—	—	—	—	—	—	—	—
2½	7	—	—	—	—	—	—	—	—	—	—
3	7	—	—	—	—	—	—	—	—	—	—

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-95.*
‡F5 and larger will not be color coded.

2 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0	#250
Approx. Dia. Inches (mm)		.94" (23.8)	1.08" (27.4)	1.17" (29.7)	1.27" (33.3)	1.44" (36.6)	1.52" (38.6)	1.65" (41.9)	1.77" (45.0)	1.92" (48.8)	2.16" (51.9)
Color		Gray‡	Pink‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	Form	Catalog Number*									
¼	1	—	—	—	—	—	—	—	—	—	—
⅜	1	—	—	—	—	—	—	—	—	—	—
½	1	—	—	—	—	—	—	—	—	—	—
½	2	—	—	—	—	—	—	—	—	—	—
½	3	—	—	—	—	—	—	—	—	—	—
¾	2	—	—	—	—	—	—	—	—	—	—
¾	3	—	—	—	—	—	—	—	—	—	—
1	4	**HC1043**	**HC1044**	—	—	—	—	—	—	—	—
1	5	**HC1046**	**HC1047**	**HC1048**	**HC1049**	—	—	—	—	—	—
1¼	5	**HC1051**	**HC1052**	**HC1053**	**HC1054**	—	—	—	—	—	—
1½	5	**HC1056**	**HC1057**	**HC1058**	**HC1059**	—	—	—	—	—	—
1½	6	—	—	—	**HC1060**	**HC1061**	**HC1062**	**HC1063**	**HC1064**	—	—
2	6	—	—	—	**HC1065**	**HC1066**	**HC1067**	**HC1068**	**HC1069**	—	—
2	7	—	—	—	—	—	—	—	**HC1070**	**HC1071**	**HC1073**
2½	7	—	—	—	—	—	—	—	**HC1076**	**HC1077**	**HC1079**
3	7	—	—	—	—	—	—	—	**HC1086**	**HC1087**	**HC1089**

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86.*
‡F5 and larger will not be color coded.

3 Conductors

CordType		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0	#250
Approx. Dia. Inches (mm)		1.00" (25.4)	1.17" (29.7)	1.24" (31.5)	1.34" (34.0)	1.51" (38.4)	1.65" (41.9)	1.75" (44.5)	1.80" (48.0)	2.07" (52.6)	2.39" (60.7)
Color		Gray‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	Form	Catalog Number*									
¼	1	—	—	—	—	—	—	—	—	—	—
⅜	1	—	—	—	—	—	—	—	—	—	—
½	1	—	—	—	—	—	—	—	—	—	—
½	2	—	—	—	—	—	—	—	—	—	—
½	3	—	—	—	—	—	—	—	—	—	—
¾	2	—	—	—	—	—	—	—	—	—	—
¾	3	—	—	—	—	—	—	—	—	—	—
1	4	**HC1044**	—	—	—	—	—	—	—	—	—
1	5	**HC1047**	**HC1048**	**HC1048**	**HC1049**	—	—	—	—	—	—
1¼	5	**HC1052**	**HC1053**	**HC1053**	**HC1054**	—	—	—	—	—	—
1½	5	**HC1057**	**HC1058**	**HC1058**	**HC1059**	—	—	—	—	—	—
1½	6	—	—	—	**HC1060**	**HC1062**	**HC1063**	**HC1064**	—	—	—
2	6	—	—	—	**HC1065**	**HC1067**	**HC1068**	**HC1069**	—	—	—
2	7	—	—	—	—	—	—	**HC1070**	**HC1071**	**HC1073**	**HC1075**
2½	7	—	—	—	—	—	—	**HC1076**	**HC1077**	**HC1079**	**HC1081**
3	7	—	—	—	—	—	—	**HC1086**	**HC1087**	**HC1089**	**HC1091**

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86.*
‡F5 and larger will not be color coded.

4 Conductors

Cord Type		SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#18	#16	#14	#18	#16	#14	#12	#10	#8
Approx. Dia. Inches (mm)		.36" (9.0)	.39" (9.8)	.43" (10.8)	.42" (10.7)	.45" (11.4)	.61" (15.5)	.70" (17.8)	.77" (19.4)	.97" (24.6)
Color		White	Blue	Blue	Blue	Blue	Brown	Yellow	Orchid	Gray‡
NPT	Form	Catalog Number*								
¼	1	**HC1005**	**HC1006**	**HC1006**	**HC1006**	—	—	—	—	—
⅜	1	**HC1011**	**HC1012**	**HC1012**	**HC1012**	—	—	—	—	—
½	1	**HC1017**	**HC1018**	**HC1018**	**HC1018**	—	—	—	—	—
½	2	**HC1022**	**HC1023**	**HC1023**	**HC1023**	**HC1023**	**HC1024**	—	—	—
½	3	—	**HC1025**	**HC1025**	**HC1025**	**HC1025**	**HC1026**	**HC1027**	**HC1028**	—
¾	2	—	**HC1033**	**HC1033**	**HC1033**	**HC1033**	**HC1034**	—	—	—
¾	3	—	**HC1035**	**HC1035**	**HC1035**	**HC1035**	**HC1036**	**HC1037**	**HC1038**	—
1	4	—	**HC1039**	**HC1039**	**HC1039**	**HC1039**	**HC1040**	**HC1041**	**HC1042**	**HC1043**
1	5	—	—	—	—	—	—	—	—	**HC1046**
1¼	5	—	—	—	—	—	—	—	—	**HC1051**
1½	5	—	—	—	—	—	—	—	—	**HC1056**
1½	6	—	—	—	—	—	—	—	—	—
2	6	—	—	—	—	—	—	—	—	—
2	7	—	—	—	—	—	—	—	—	—
2½	7	—	—	—	—	—	—	—	—	—
3	7	—	—	—	—	—	—	—	—	—

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86.*
‡F5 and larger will not be color coded.

5 Conductors

Cord Type		S, SO, ST, STO						
Cord Size		#18	#16	#14	#12	#10	#8	#6
Approx. Dia. Inches (mm)		.50" (12.7)	.54" (13.7)	.70" (17.7)	.76" (19.3)	.83" (21.1)	1.06" (26.9)	1.18" (30.0)
Color		Blue	Brown	Yellow	Orchid‡	Orchid‡	Pink‡	‡
NPT	Form	Catalog Number*						
½	2	**HC1023**	**HC1024**	—	—	—	—	—
½	3	**HC1025**	**HC1026**	**HC1027**	**HC1028**	**HC1028**	—	—
¾	2	**HC1033**	**HC1034**	—	—	—	—	—
¾	3	**HC1035**	**HC1036**	**HC1037**	**HC1038**	**HC1038**	—	—
1	4	**HC1039**	**HC1040**	**HC1041**	**HC1042**	**HC1042**	**HC1044**	—
1	5	—	—	—	**HC1045**	**HC1045**	**HC1047**	**HC1048**
1¼	5	—	—	—	**HC1050**	**HC1050**	**HC1052**	**HC1053**
1½	5	—	—	—	**HC1055**	**HC1055**	**HC1057**	**HC1058**

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86.*
‡F5 and larger will not be color coded.

4 Conductors

Cord Type		SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0
Approx. Dia. Inches (mm)		.94" (23.8)	1.08" (27.4)	1.17" (29.7)	1.27" (33.3)	1.44" (36.6)	1.52" (38.6)	1.65" (41.9)	1.77" (45.0)	1.92" (48.8)
Color		Pink‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	Form	Catalog Number*								
¼	1	—	—	—	—	—	—	—	—	—
⅜	1	—	—	—	—	—	—	—	—	—
½	1	—	—	—	—	—	—	—	—	—
½	2	—	—	—	—	—	—	—	—	—
½	3	—	—	—	—	—	—	—	—	—
¾	2	—	—	—	—	—	—	—	—	—
¾	3	—	—	—	—	—	—	—	—	—
1	4	**HC1044**	—	—	—	—	—	—	—	—
1	5	**HC1047**	**HC1049**	**HC1049**	—	—	—	—	—	—
1¼	5	**HC1052**	**HC1054**	**HC1054**	—	—	—	—	—	—
1½	5	**HC1057**	**HC1059**	**HC1059**	—	—	—	—	—	—
1½	6	—	**HC1060**	**HC1060**	**HC1061**	**HC1063**	**HC1064**	—	—	—
2	6	—	**HC1064**	**HC1065**	**HC1066**	**HC1068**	**HC1069**	—	—	—
2	7	—	—	—	—	—	**HC1070**	**HC1071**	**HC1073**	**HC1074**
2½	7	—	—	—	—	—	**HC1076**	**HC1077**	**HC1079**	**HC1080**
3	7	—	—	—	—	—	**HC1086**	**HC1087**	**HC1089**	**HC1090**

*Note: *Must add prefix, see Note 1; suffix, see Note 2, below.*
‡F5 and larger will not be color coded.

Note:

1. Add the proper prefix to the HC number to identify the type of connector desired:
SHC = Straight Hubbell Connector
NHC = 90° Hubbell Connector
FHC = Female Hubbell Connector
VHC = 45° Hubbell Connector

2. Add the proper suffix to identify material desired:
Aluminum = No suffix
Zinc-Plated Steel = ZP
Corrosion Resistant Nylon = CR
Stainless Steel = SS

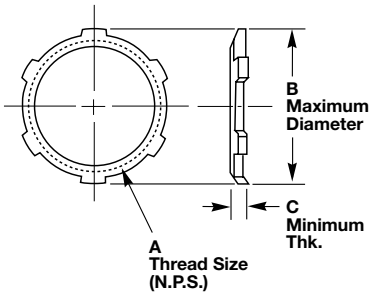
3. This chart is a general guide to assist in the selection of Hubbell Cord Connectors for various cord sizes. The Hubbell Cord Connector catalog numbers selected, have been inserted into spaces which in our judgment represent the best cord connector which will fit the listed cord size. The diameters of the cords are approximate and may vary depending on the manufacturer. It is suggested that the appropriate cord manufacturer's dimension chart be consulted for exact dimensions.

4. Cable jacket may have to be stripped to allow conductors to pass through connector body.

NPT Thread Locknuts

Zinc-Plated Steel

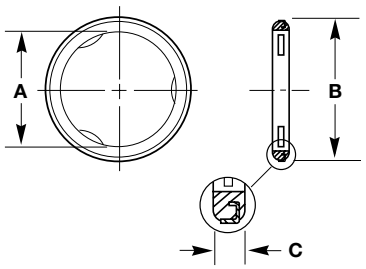
NPT Hub Size	A Inside Diameter Inches	B Outside Dia. Inches	(mm)	C Thickness Inches	(mm)	Steel Catalog Number
½	½"-14	1.14"	(29.0)	.09"	(2.3)	**00322001LPK50**
¾	¾"-14	1.43"	(36.3)	.11"	(2.8)	**00322002LPK50**
1	1"-11½	1.77"	(45.0)	.13"	(3.3)	**00322003LPK50**
1¼	1¼"-11½	2.28"	(57.9)	.13"	(3.3)	**00322004LPK50**
1½	1½"-11½	2.60"	(66.0)	.13"	(3.3)	**00322005LPK50**



Metal Clad Sealing O-Rings – Sizes ½ - 4

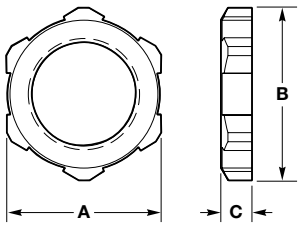
Zinc-Plated Steel with Neoprene Ring

NPT Hub Size	A Inside Diameter Inches	(mm)	B Outside Dia. Inches	(mm)	C Thickness Inches	(mm)	Catalog Number
½	.80"	(20.3)	1.08"	(27.4)	.16"	(3.2)	**20509001**
¾	1.00"	(25.4)	1.34"	(34.0)	.16"	(3.2)	**20509002**
1	1.25"	(31.6)	1.63"	(41.4)	.16"	(3.2)	**20509003**
1¼	1.61"	(40.9)	2.00"	(50.8)	.16"	(3.2)	**20509004**
1½	1.84"	(46.7)	2.36"	(59.9)	.16"	(3.2)	**20509005**
2	2.31"	(58.7)	2.83"	(71.9)	.16"	(3.2)	**20509006**
Chrome Plated Steel with Neoprene Ring							
2½	2.91"	(73.9)	3.44"	(87.4)	.24"	(6.1)	**20509007**
3	3.52"	(89.4)	4.08"	(103.6)	.24"	(6.1)	**20509008**



Nylon PG Thread Locknuts

PG Thread Size	A Inches	(mm)	B Inches	(mm)	C Inches	(mm)	Catalog Number
PG7	.75"	(19.1)	.80"	(20.3)	.22"	(5.6)	**LNP7BPK100**
PG9	.86"	(21.8)	.91"	(23.2)	.22"	(5.6)	**LNP9BPK100**
PG11	.94"	(23.9)	1.03"	(26.2)	.22"	(5.6)	**LNP11BPK100**
PG13.5	1.06"	(26.9)	1.14"	(29.0)	.24"	(6.1)	**LNP13BPK100**
PG16	1.18"	(30.0)	1.30"	(33.0)	.25"	(6.1)	**LNP16BPK100**
PG21	1.41"	(35.8)	1.54"	(39.1)	.25"	(6.1)	**LNP21BPK100**
PG29	1.81"	(46.0)	2.00"	(50.8)	.25"	(6.1)	**LNP29BPK25**
PG36	2.24"	(56.9)	2.50"	(63.5)	.25"	(6.1)	**LNP36BPK25**



Nylon Metric Thread Locknuts

PG Thread Size	A Inches	(mm)	B Inches	(mm)	C Inches	(mm)	Catalog Number
M12	.75"	(19.1)	.82"	(20.8)	.22"	(5.6)	**LNM12BPK100**
M16	.87"	(22.09)	.98"	(25.0)	.22"	(5.6)	**LNM16BPK100**
M20	1.06"	(27.0)	1.18"	(30.0)	.25"	(6.4)	**LNM20BPK100**
M25	1.38"	(35.1)	1.54"	(39.1)	.28"	(7.1)	**LNM25BPK100**
M32	1.61"	(40.9)	1.80"	(45.7)	.28"	(7.1)	**LNM32BPK100**
M40	1.97"	(50.0)	2.18"	(55.4)	.28"	(7.1)	**LNM40BPK100**

Dimensions shown are approximate and are subject to change without notice.

Hubbell Juniors®

Material	Operating Temperature Range
Nylon (connectors and GOTCHA® rings)	-40°F to +225°F (-40°C to +107°C)
Neoprene (bushings)	-30°F to +240°F (-34°C to +115°C)

Due to the limiting factors of nylon and neoprene, any complete liquidtight Hubbell Junior will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).

Snap-In continuously performs -40°F to +225°F (-40°C to +107°C).

Flammability

Hubbell Juniors have a UL 94X-2 rating.

Certifications

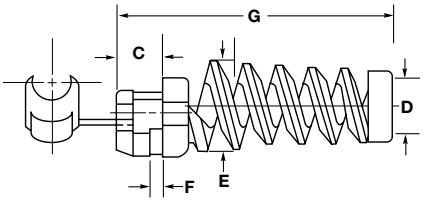
Product	Agency
Liquidtight and Liquidtight with Spiral	UL Listed. CSA Certified.
Snap-In	UL Recognized. CSA Certified.

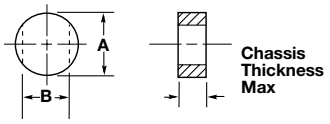
Knockout Holes

NPT Hub Size	Knockout Hole Recommended Min. to Max. inches	(mm)
¼	.54"-.57"	(13.7-14.5)
⅜	.67"-.70"	(17.0-17.8)
½	.86"-.91"	(21.8-23.1)

Snap-In

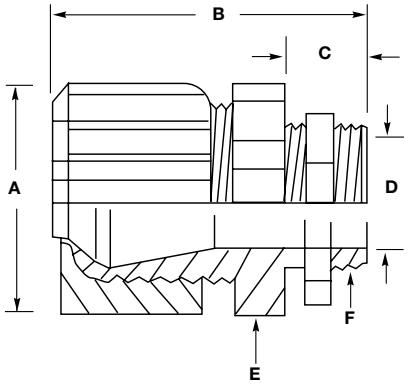
Diameter Range Inches (mm)	For Chassis Thickness (Max.) Inches (mm)	Required Hole Size A Inches (mm)	B Inches (mm)	Dimensional Specifications C Inches (mm)	D Inches (mm)	E Inches (mm)	F Inches (mm)	G Inches (mm)
.22"-.27" (5.6-6.9)	.10" (2.5)	.50" (12.7)	.45" (11.4)	.28" (7.1)	.28" (7.1)	.54" (13.7)	.12" (3.0)	1.84" (44.2)
.28"-.32" (7.1-8.1)	.10" (2.5)	.50" (12.7)	.47" (11.9)	.28" (7.1)	.33" (8.4)	.59" (15.0)	.12" (3.0)	1.84" (44.2)
.30"-.36" (7.6-9.1)	.13" (3.3)	.63" (16.0)	.55" (14.0)	.36" (9.1)	.37" (9.4)	.65" (16.5)	.14" (3.6)	2.18" (55.4)
.32"-.43" (8.1-10.9)	.13" (3.3)	.75" (19.0)	.66" (16.8)	.45" (11.4)	.44" (11.2)	.75" (19.1)	.14" (3.6)	2.60" (66.0)





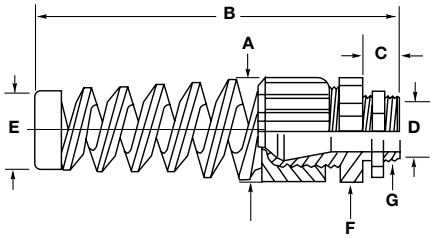
Liquidtight

F NPT Inches	A Dia. Inches (mm)	B Ref. Inches (mm)	C Inches (mm)	D Throat Dia. Inches (mm)	E Across Corners Inches (mm)	E Across Flats Inches (mm)
¼-18	.65" (16.5)	1.30" (33.0)	.40" (10.2)	.29" (7.4)	.65" (16.5)	.60" (15.2)
⅜-18	.81" (20.6)	1.44" (36.6)	.41" (10.4)	.36" (9.1)	.81" (20.6)	.75" (19.1)
½-14	1.00" (25.4)	1.56" (39.6)	.46" (11.7)	.45" (11.4)	.99" (25.1)	.92" (23.4)



Liquidtight with Spiral

G NPT Inches	A Dia. Inches (mm)	B Ref. Inches (mm)	C Inches (mm)	D Throat Dia. Inches (mm)	E Inches (mm)	F Across Corners Inches (mm)	F Across Flats Inches (mm)
¼-18	.65" (16.5)	2.55" (64.8)	.40" (10.2)	.29" (7.4)	.27" (6.9)	.65" (16.5)	.60" (15.2)
⅜-18	.81" (20.6)	3.10" (78.7)	.41" (10.4)	.36" (9.1)	.35" (8.9)	.81" (20.6)	.75" (19.1)
½-14	1.00" (25.4)	3.72" (94.5)	.46" (11.7)	.45" (11.4)	.45" (11.4)	.99" (25.1)	.92" (23.4)



Dimensions shown are approximate and are subject to change without notice.

Features and Benefits

PolyTuff® I and PolyTuff® II Non-Metallic Liquidtight Conduit

All non-metallic construction ends fatigue and separation problems. They can be cut cleanly with a knife or PVC cutter so there are no jagged metal edges.





PolyTuff® I Conduit, Gray

- Rigid PVC core bonded to flexible PVC jacket
- Approved for outdoor use and direct burial
- UL Listed and CSA Certified



PolyTuff® II Tubing, Black

- PVC core with corrugated walls bonded to PVC jacket
- Handles twists, turns, bends, switchbacks and straightaways with ease
- UL Recognized and CSA Certified

PolyTuff® I Conduit

IP66 SUITABILITY

Trade Size (metric designator)	Feet (m)	Catalog Number
⅜ (12)	100 (30.5) 1200 (365.8)	**G1038** **G1038R1200**
½ (16)	100 (30.5) 1000 (304.8)	**G1050** **G1050R1000**
¾ (21)	100 (30.5) 500 (152.4)	**G1075** **G1075R500**
1 (27)	100 (30.5) 500 (152.4)	**G1100** **G1100R500**
1¼ (35)	100 (30.5)	**G1125**
1½ (41)	50 (15.2)	**G1150**
2 (53)	50 (15.2)	**G1200**

Note: See pages W-58 and W-59, W-90 and W-91 for approved fittings.
See pages W-92 and W-93 for technical information and dimensional drawings.





PolyTuff® II Tubing

IP66 SUITABILITY

Trade Size (metric designator)	Feet (m)	Catalog Number
¼ (10)	100 (30.5)	**B2025**
⅜ (12)	100 (30.5) 1200 (365.8)	**B2038** **B2038R1200**
½ (16)	100 (30.5) 1000 (304.8)	**B2050** **B2050R1000**
¾ (21)	100 (30.5) 800 (243.8)	**B2075** **B2075R800**
1 (27)	100 (30.5) 500 (152.4)	**B2100** **B2100R500**
1¼ (35)	100 (30.5)	**B2125**
1½ (41)	50 (15.2)	**B2150**
2 (53)	50 (15.2)	**B2200**

Note: See page W-90 for approved fittings.
See pages W-92 and W-93 for technical information and dimensional drawings.



UL Listed to
Type 4, 4X, 12 and 13

PolyTuff® Non-Metallic Liquidtight Fittings



P075NBKA



P075NGYA

Straight with Male Non-Metallic Liquidtight Fittings

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
¼ (10)	**F2025**	—
⅜ (12)	**P038NBKA**	**P038NGYA**
½ (16)	**P050NBKA**	**P050NGYA**
¾ (21)	**P075NBKA**	**P075NGYA**
1 (27)	**P100NBKA**	**P100NGYA**
1¼ (35)	**P125NBK**	**P125NGY**
1½ (41)	**P150NBK**	**P150NGY**
2 (53)	**P200NBK**	**P200NGY**

Note: Fittings are to be used with PolyTuff I and PolyTuff II.
See pages W-94 and W-95 for technical information and dimensional drawings.
⅜" Liquidtight conduit fitting have ½ NPT male threads.



PS0509NGY
SwivelLok® Multi-Position

SwivelLok® Multi-Position with Male Non-Metallic Liquidtight Fittings

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
⅜ (12)	**PS0389NBK**	**PS0389NGY**
½ (16)	**PS0509NBK**	**PS0509NGY**
¾ (21)	**PS0759NBK**	**PS0759NGY**
1 (27)	**PS1009NBK**	**PS1009NGY**

Note: Fittings are to be used with PolyTuff I and PolyTuff II.
See pages W-94 and W-95 for technical information and dimensional drawings.
⅜" Liquidtight conduit fitting have ½ NPT male threads.



P0759NBK



P0759NGY

Fixed 90°Fittings for Non-Metallic Conduit

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
⅜ (12)	**P0389NBK**	**P0389NGY**
½ (16)	**P0509NBK**	**P0509NGY**
¾ (21)	**P0759NBK**	**P0759NGY**
1 (27)	**P1009NBK**	**P1009NGY**
1¼ (35)	**P1259NBK**	**P1259NGY**

Note: Fittings are to be used with PolyTuff I and PolyTuff II.
See pages W-94 and W-95 for technical information and dimensional drawings.
⅜" Liquidtight conduit fitting have ½ NPT male threads.



PS05GYKIT

SwivelLok® Flexible Conduit Kit

Trade Size (metric designator)	Fitting and Conduit	Catalog Number
½ (16)	2 PS0509NGY, 6' G1050	**PS05GYKIT**
¾ (21)	2 PS0759NGY, 6' G1075	**PS07GYKIT**

Note: See pages W-94 and W-95 for technical information and dimensional drawings.

Metallic Liquidtight Conduit Fittings

Straight Conduit Fitting

Trade Size (metric designator)	Insulated	Non-Insulated
⅜ (12)	**H0381**	**H038**
½ (16)	**H0501**	**H050**
¾ (21)	**H0751**	**H075**
1 (27)	**H1001**	**H100**
1¼ (35)	**H1251**	**H125**
1½ (41)	**H1501**	**H150**
2 (53)	**H2001**	**H200**
2½ (63)	**H2501**	**H250**
3 (78)	**H3001**	**H300**
3½ (91)	**H3501**	**H350**
4 (103)	**H4001**	**H400**

Note: ⅜" Liquidtight conduit fitting have ½ NPT male threads.
For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.
See page W-96 for technical information.


H075


H0751

45° Conduit Fitting

Trade Size (metric designator)	Insulated	Non-Insulated
⅜ (12)	**H03841**	**H0384**
½ (16)	**H05041**	**H0504**
¾ (21)	**H07541**	**H0754**
1 (27)	**H10041**	**H1004**
1¼ (35)	**H12541**	**H1254**
1½ (41)	**H15041**	**H1504**
2 (53)	**H20041**	**H2004**

Note: ⅜" Liquidtight conduit fitting have ½ NPT male threads.
For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.
See page W-96 for technical information.


H0754


H07541

90° Conduit Fitting

Trade Size (metric designator)	Insulated	Non-Insulated
⅜ (12)	**H03891**	**H0389**
½ (16)	**H05091**	**H0509**
¾ (21)	**H07591**	**H0759**
1 (27)	**H10091**	**H1009**
1¼ (35)	**H12591**	**H1259**
1½ (41)	**H15091**	**H1509**
2 (53)	**H20091**	**H2009**
2½ (63)	**H25091**	**H2509**
3 (78)	**H30091**	**H3009**
4 (103)	**H40091**	**H4009**

Note: ⅜" Liquidtight conduit fitting have ½ NPT male threads.
For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.
See page W-96 for technical information.


H0759


H07591

PolyTuff® I Conduit

Operating Temperature Range	
Wet environment	0°F to +140°F (-18°C to +60°C).
Oil environment	0°F to +158°F (-18°C to +70°C).
Dry environment	0°F to +176°F (-18°C to +80°C).
Certifications	
UL Listed	UL Standard 1660. Sunlight resistant approved for outdoor use, direct burial.
CSA Certified	Meets requirements of NEC.
Voltage Rating	
Maximum	600V.
Material	
Conduit	Co-extruded rigid and flexible PVC.

PolyTuff® II Tubing

Operating Temperature Range	
Operating environment	0°F to +140°F (-18°C to +60°C).
Certifications	
UL Recognized	
CSA Certified	
Voltage Rating	
Maximum	Same as wire insulation rating.
Material	
Tubing	Co-extruded rigid and flexible PVC.

PolyTuff® I Conduit

Trade Size (metric designator)	Conduit ID/OD Inches	(mm)	Bend Radius Inches	(mm)
⅜ (12)	.49"/.70"	(12.6/17.8)	2.00"	(50.8)
½ (16)	.63"/.83"	(16.1/21.1)	3.00"	(76.2)
¾ (21)	.83"/1.04"	(21.1/26.4)	4.00"	(101.6)
1 (27)	1.05"/1.30"	(26.0/33.1)	5.00"	(217.0)
1¼ (35)	1.40"/1.65"	(35.4/41.8)	6.30"	(158.8)
1½ (41)	1.59"/1.88"	(40.3/47.8)	7.50"	(190.5)
2 (53)	2.03"/2.36"	(51.6/59.9)	10.00"	(254.0)

PolyTuff® II Tubing

Trade Size (metric designator)	Conduit ID/OD Inches	(mm)	Bend Radius Inches	(mm)
¼ (10)	.36"/.57"	(9.3/14.5)	1.50"	(38.1)
⅜ (12)	.49"/.70"	(12.6/17.8)	2.00"	(50.8)
½ (16)	.63"/.83"	(16.1/21.1)	2.00"	(50.8)
¾ (21)	.83"/1.04"	(21.1/26.4)	3.00"	(76.2)
1 (27)	1.05"/1.30"	(26.0/33.1)	3.00"	(76.2)
1¼ (35)	1.40"/1.65"	(35.4/41.8)	5.00"	(127.0)
1½ (41)	1.59"/1.88"	(40.3/47.8)	5.00"	(127.0)
2 (53)	2.03"/2.36"	(51.6/59.9)	5.00"	(127.0)

PolyTuff® I and II Conduit/Tubing; PVC Chemical Resistance

Chemical	Conc.*	Temp. 70°F 21°C	150°F 66°C
Acetate Solvents		D	D
Acetic Acid		B	C
Acetic Acid (Glacial)		C	D
Acetone		D	D
Acrylontrile		A	B
Alcohols (Aliphatic)		C	C
Aluminum Chloride		A	A
Aluminum Sulfate (Alums)		A	A
Ammonia (Anhydrous Liquids)		D	D
Ammonia (Aqueous)		A	A
Ammoniated Latex		A	C
Ammonium Chloride		A	A
Ammonium Hydroxide		A	A
Amyl Acetate		D	D
Aniline Oils		D	D
Aromatic Hydrocarbons		D	D
Asphalt		D	D
ASTM Fuel A		C	C
ASTM Fuel B		D	D
ASTM #1 Oil		B	C
ASTM #3 Oil		C	D
Barium Chloride		A	A
Barium Sulfide		A	A
Barium Hydroxide		A	A
Benzene (Benzol)		D	D
Benzine (Petroleum Ether)		C	C
Black Liquor		A	A
Bordeaux Mixture		A	A
Boric Acid		A	A
Butyl Acetate		D	D
Butyl Alcohol		B	C
Calcium Hydroxide		A	A
Calcium Hypochlorite		A	A
Carbolic Acid (Phenol)		B	C
Carbon Dioxide		A	A
Carbon Disulfide		D	D
Carbon Tetrachloride		D	D
Carbonic Acid		A	A
Casein		A	C
Caustic Soda		A	B
Chlorine Gas (wet)		D	D
Chlorine Gas (dry)		D	D
Chlorine (water solution)		C	D
Chlorobenzene		D	D
Chlorinated Hydrocarbons		D	D
Chromic Acid		B	C
Citric Acid		A	A
Coal Tar		D	D
Coconut Oil		C	D
Corn Oil		A	B
Cottonseed Oil		C	D
Creosote		D	D
Cresol		C	D
Crysylic Acid		D	D
Cyclohexane		B	C
DDT Weed Killer		A	C
Dibutyl Phthalate		D	D
Diesel Oils		C	D
Diethylene Glycol		B	C
Diethyl Ether		A	C
Di-isodecyl Phthalate		D	D
Dioctyl Phthalate		D	D
Dow General Weed Killer (Phenol)		D	D
Dow General Weed Killer (H2O)		B	C
Ethyl Alcohol		C	C
Ethylene Dichloride		D	D
Ethylene Glycol		B	C
Ferric Chloride		A	A
Ferric Sulfate		A	A
Ferrous Chloride		A	A
Ferrous Sulfate		A	A
Formaldehyde		D	D
Fuel Oil		B	C
Furfural		C	C
Gallic Acid		A	A
Gasoline (Hi Test)		C	D
Glycerine		A	A
Grease		A	C
Green Sulfate Liquor		A	A
Heptachlor in Petroleum Solvents		A	C
Heptane		C	D
Hexane		C	D
Hydrobromic Acid		A	A
Hydrochloric Acid	10%	A	A
Hydrochloric Acid	40%	C	C
Hydrofluoric Acid	70%	D	D
Hydrofluorosilicic Acid		A	A
Hydrofluorosilicic Acid	10%	A	A
Hydrogen Peroxide		A	B
Iso-Octane		C	C
Isopropyl Acetate		D	D
Isopropyl Acid		B	C
Jet Fuels (JP-3, and 5)		C	D
Kerosene		C	C
Ketones		D	D
Linseed Oil		A	A
Lubricating Oils		A	A
Magnesium Chloride		A	A
Magnesium Hydroxide		A	A
Magnesium Sulfate		A	A
Malathion 50 in Aromatics		D	D
Malic Acid		A	A
Methyl Acetate		D	D
Methyl Alcohol		C	C
Methyl Bromide		D	D
Methyl Ethyl Ketone		D	D
Methylene Chloride		D	D
Mineral Oil			
Monochlorobenezene		A	A
Muriatic Acid (see Hydrochloric Acid)			
Naphtha		C	D
Naphthalene		D	D
Nitric Acid	10%	A	B
Nitric Acid	35%	A	C
Nitric Acid	70%	D	D
Oleic Acid		A	C
Oleum		D	D
Oxalic Acid		A	A
Pentachlorophenol in Oil		B	C
Pentane		C	D
Perchloroethylene		B	C
Petroleum Ether		C	C
Phenol		A	A
Phosphoric Acid	10%	A	A
Pitch	50%	A	B
Potassium Hydroxide		C	D
Sodium Cyanide		A	A
Stoddard Solvent		D	D
Styrene		D	D
Sulfur Dioxide (liquid)		D	D
Sulfuric Acid	50%	A	B
Sulfuric Acid	98%	D	D
Sulfurous Acid		B	C
Tall Oil		D	D
Tannic Acid		A	A
Toluene		D	D
Trichlorethylene		D	D
Triethanol Amine		C	D
Tricresyl Phosphate (Skydrol)		D	D
Turpentine		C	D
Vinegar		A	B
Vinyl Chloride		D	D
Water		A	A
White Liquor		A	A
Xylene		D	D
Zinc Chloride		A	A
Zinc Sulfate		A	A

*Note: *Conc. = Concentration.*
(All ratings apply to concentrated or saturated solutions unless otherwise specified.)
Chemical resistance ratings are based upon information supplied by the raw material manufacturers.
Use as a general guide only – samples should be tested by user under actual conditions.

Rating Code

A-Excellent service
No harmful effect to reduce service life. Suitable for continuous service.

B-Good service life.
Moderate to minor effect. Good for intermittent service. Generally suitable for continuous service.

C-Fair or limited service.
Depends on operating conditions. Generally suitable for intermittent service. Not recommended for continuous service.

D-Unsatisfactory service.
Not recommended.

PolyTuff® Fittings

Operating Temperature*	
Nylon (Body, Nut, Gripping Ring and Locknut)	–40°F to +225°F (–40°C to +107°C).
Neoprene (Sealing Ring)	–30°F to +240°F (–34°C to +116°C).
Flammability	
Fire Gas Toxicity Product Testing	Nylon PolyTuff Fittings have a UL 94X-2 rating.
Certifications	
UL Listed	UL50 Type 4X, 12 and 13.
CSA Certified	PolyTuff I Fittings, PolyTuff II Fittings.

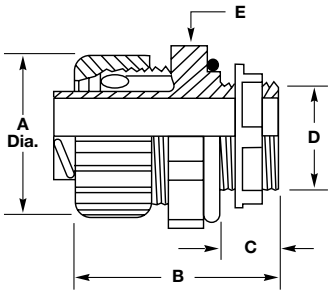
Liquidtight Fittings

Operating Temperature**	
Steel/Malleable Iron (Nut, Body, Ferrule)	–60°F to +1000°F (–51°C to +538°C).
Nylon (Gland Ring)	–40°F to +225°F (–40°C to +107°C).
Hazardous Locations - NEC Reference	
Class I, Div. 2 - 501-10(A)(3)B	
Class II, Div. 1 - 502-10(A)(2)	
Class II, Div. 2 - 502-10(A)(3)	
Class III, Div. 1 - 503-10(A)(2)	
Class III, Div. 2 - 503-10(B)	
Certifications	
UL Listed to UL 514B	
CSA Certified	

*Note: *Due to the limiting factors of nylon and neoprene, PolyTuff Fittings will continuously perform in the range –30°F to +225°F (–34°C to +107°C).*
***Due to the limiting factors of nylon, metallic liquidtight flexible conduit fittings will continuously perform in the range of –40°F to +225°F (–40°C to +107°C).*

Straight with Male Non-Metallic Liquidtight Fittings

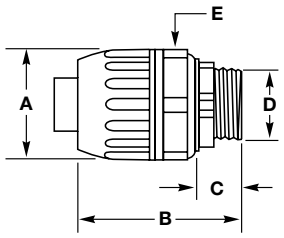
Trade Size (md**)	A	B	C	D Throat Dia.	E Across Corners	E Across Flats
¼ (10)	.93" (23.6)	1.45" (36.8)	.39" (9.9)	.32" (8.1)	.86" (Dia.) (21.8)	
⅜ (12)	1.14" (29.0)	1.63" (41.4)	.57" (14.5)	.42" (10.7)	1.41" (35.8)	1.30" (33.0)
½ (16)	1.30" (33.0)	2.14" (54.4)	.57" (14.5)	.55" (14.0)	1.41" (35.8)	1.30" (33.0)
¾ (21)	1.53" (38.9)	2.22" (56.4)	.58" (14.7)	.74" (18.8)	1.85" (47.0)	1.53" (38.9)
1 (27)	1.80" (45.7)	2.32" (58.9)	.72" (18.3)	.96" (24.4)	1.94" (49.3)	1.80" (45.7)
1¼ (35)	2.20" (55.9)	2.15" (54.6)	.74" (18.8)	1.30" (33.0)	2.38" (60.5)	2.18" (55.4)
1½ (41)	2.49" (63.2)	2.35" (59.7)	.76" (19.3)	1.46" (37.1)	2.63" (66.8)	2.43" (61.7)
2 (53)	3.05" (77.4)	2.51" (63.6)	.79" (20.1)	1.90" (48.3)	3.13" (79.5)	2.93" (74.4)



Sizes: ¼", 1¼", 1½", 2"

90° with Male Non-Metallic Liquidtight Fittings

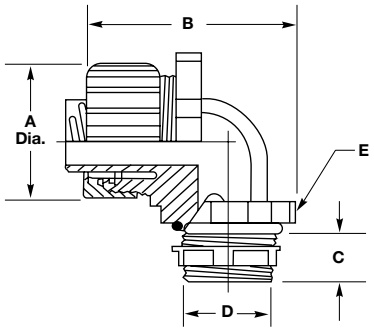
Trade Size (md**)	A	B	C	D Throat Dia.	E Across Corners	E Across Flats
¼ (10)	.93" (23.6)	1.88" (47.8)	.39" (9.9)	.32" (8.1)	.86"(Dia.) (21.8)	
1¼ (35)	2.21" (56.1)	3.57" (90.7)	.74" (18.9)	1.30" (33.0)	2.38" (60.5)	2.18" (55.4)



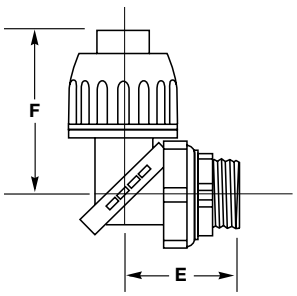
Sizes: ⅜", ½", ¾", 1"

SwivelLok® Multi-Position Liquidtight Fittings

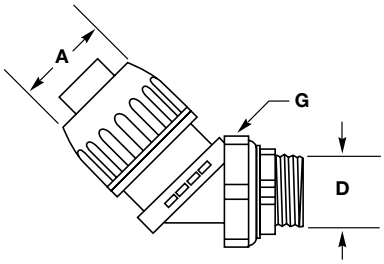
Trade Size (md**)	A	B	C	D	E	F	G Across Corners	G Across Flats
⅜ (12)	1.30" (33.0)	3.27" (83.1)	.57" (14.5)	.55" (14.0)	1.43" (36.3)	2.00" (50.8)	1.41" (35.8)	1.30" (33.0)
½ (16)	1.30" (33.0)	3.27" (83.1)	.57" (14.5)	.55" (14.0)	1.43" (36.3)	2.00" (50.8)	1.41" (35.8)	1.30" (33.0)
¾ (21)	1.53" (38.9)	3.66" (93.0)	.58" (15.7)	.74" (18.8)	1.59" (40.4)	2.23" (56.6)	1.65" (41.9)	1.53" (38.9)
1 (27)	1.80" (45.7)	4.00" (101.6)	.72" (18.3)	.96" (24.4)	1.84" (46.7)	2.30" (58.4)	1.94" (49.3)	1.80" (45.7)



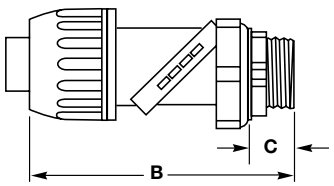
*Note: *A/C = Across Corners, A/F = Across Flats.*
***md = metric designator.*



90° Position

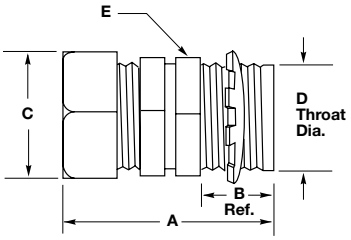


45° Position



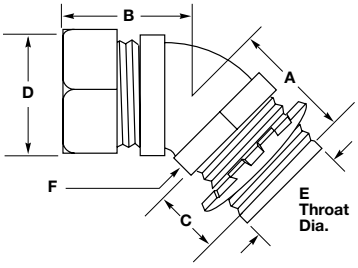
Straight Position

Straight with Male Metallic Metal Fitting



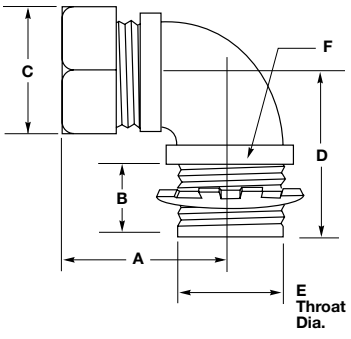
Trade Size (md**)	A Ref.	B	C A/C*	C A/F*	D Throat Dia.	E A/C*	E A/F*
⅜ (12)	1.43" (36.3)	.59" (15.0)	1.20" (30.0)	1.06" (26.9)	.61" (15.5)	1.07" (27.2)	.93" (23.6)
½ (16)	1.43" (36.3)	.59" (15.0)	1.34" (34.0)	1.19" (30.2)	.61" (15.5)	1.22" (31.0)	1.06" (26.9)
¾ (21)	1.56" (39.6)	.59" (15.0)	1.55" (39.0)	1.37" (34.8)	.84" (21.3)	1.43" (36.3)	1.25" (31.8)
1 (27)	1.68" (42.7)	.66" (16.8)	1.95" (50.0)	1.69" (42.9)	1.06" (26.9)	1.73" (43.9)	1.56" (39.6)
1¼ (35)	2.03" (51.6)	.63" (16.8)	2.39" (61.0)	2.06" (52.3)	1.37" (34.8)	2.36" (59.9)	2.08" (52.8)
1½ (41)	2.21" (56.1)	.63" (16.8)	2.72" (69.0)	2.38" (60.5)	1.53" (38.9)	2.79" (70.9)	2.48" (63.0)
2 (53)	2.28" (57.9)	.69" (17.5)	3.08" (78.0)	2.87" (72.9)	2.06" (52.3)	3.32" (84.3)	2.90" (73.7)
2½ (63)	3.56" (90.4)	1.06" (26.9)	3.92" (100.0)	3.62" (91.9)	2.42" (61.5)	3.85" (97.8)	3.60" (91.4)
3 (78)	3.81" (96.8)	1.06" (26.9)	4.70" (119.0)	4.31" (109.5)	3.01" (76.5)	4.65" (118.1)	4.33" (110.0)
3½ (91)	3.81" (96.8)	1.06" (26.9)	5.29" (134.0)	4.81" (122.2)	3.49" (88.6)	5.18" (131.6)	4.82" (122.4)
4 (103)	3.81" (96.8)	1.06" (26.9)	5.75" (146.0)	5.31" (134.9)	3.96" (100.6)	5.75" (146.1)	5.39" (136.9)

45° with Male Metallic Metal Fitting



Trade Size (md**)	A	B	C	D A/C*	D A/F*	E Throat Dia.	F A/C*	F A/F*
⅜ (12)	1.19" (30.2)	1.28" (32.5)	.59" (15.0)	1.20" (30.5)	1.06" (26.9)	.60" (15.2)	1.16" (29.5)	1.02" (25.9)
½ (16)	1.19" (30.2)	1.28" (32.5)	.59" (15.0)	1.34" (34.0)	1.19" (30.2)	.61" (15.2)	1.21" (30.7)	1.06" (26.9)
¾ (21)	1.19" (30.2)	1.43" (36.3)	.59" (15.0)	1.55" (39.4)	1.45" (36.8)	.84" (21.3)	1.50" (38.1)	1.32" (33.5)
1 (27)	1.38" (35.1)	1.53" (38.9)	.66" (16.8)	1.95" (49.5)	1.69" (42.9)	1.05" (26.7)	1.82" (46.2)	1.59" (40.4)
1¼ (35)	1.42" (36.1)	1.69" (42.9)	.63" (16.0)	2.39" (60.7)	2.06" (52.3)	1.37" (34.8)	2.32" (58.9)	2.03" (5.16)
1½ (41)	1.66" (42.2)	2.00" (50.8)	.66" (16.8)	2.72" (69.1)	2.38" (60.5)	1.60" (40.6)	2.62" (66.5)	2.29" (58.2)
2 (53)	1.69" (42.9)	2.25" (57.2)	.66" (16.8)	3.08" (78.2)	2.88" (73.2)	2.05" (52.1)	3.21" (81.5)	2.80" (71.1)

90° with Male Metallic Metal Fitting



Trade Size (md**)	A	B	C A/C*	C A/F*	D Ref.	E Throat Dia.	F A/C*	F A/F*
⅜ (12)	1.31" (33.3)	.59" (15.0)	1.20" (30.5)	1.06" (26.9)	1.44" (36.6)	.60" (15.2)	1.13" (29.0)	.99" (25.1)
½ (16)	1.31" (33.3)	.59" (15.0)	1.34" (34.0)	1.12" (28.4)	1.44" (36.6)	.61" (15.5)	1.12" (28.0)	1.00" (25.4)
¾ (21)	1.44" (36.6)	.59" (15.0)	1.55" (39.4)	1.45" (36.8)	1.63" (41.4)	.83" (21.1)	1.48" (38.0)	1.29" (32.8)
1 (27)	1.78" (45.2)	.59" (15.0)	1.95" (49.5)	1.60" (40.6)	2.19" (55.6)	1.05" (26.7)	1.80" (46.0)	1.57" (39.9)
1¼ (35)	1.97" (50.0)	.63" (16.0)	2.39" (60.7)	2.06" (52.3)	2.50" (63.5)	1.36" (34.5)	2.32" (59.0)	2.02" (51.3)
1½ (41)	2.19" (55.6)	.63" (16.0)	2.72" (69.1)	2.38" (60.5)	2.69" (68.3)	1.61" (40.9)	2.58" (66.0)	2.25" (57.2)
2" (53)	2.53" (64.3)	.66" (16.8)	3.08" (78.2)	2.87" (72.9)	3.25" (82.6)	2.05" (52.1)	3.14" (80.0)	2.75" (69.9)
2½ (63)	3.44" (87.4)	1.00" (25.4)	3.92" (99.6)	3.63" (92.2)	4.25" (108.0)	2.42" (61.5)	3.78" (96.0)	3.50" (88.9)
3 (78)	3.75" (95.3)	1.00" (25.4)	4.70" (119.4)	4.31" (109.5)	4.87" (123.7)	3.01" (76.5)	4.64" (118.0)	4.30" (109.2)
4 (103)	4.25" (108.0)	1.00" (25.4)	5.75" (146.1)	5.31" (134.9)	5.63" (143.0)	3.96" (100.6)	5.76" (146.0)	5.38" (136.7)

*Note: *A/C = Across Corners, A/F = Across Flats.*
***md = metric designator.*

Power and AV Boxes

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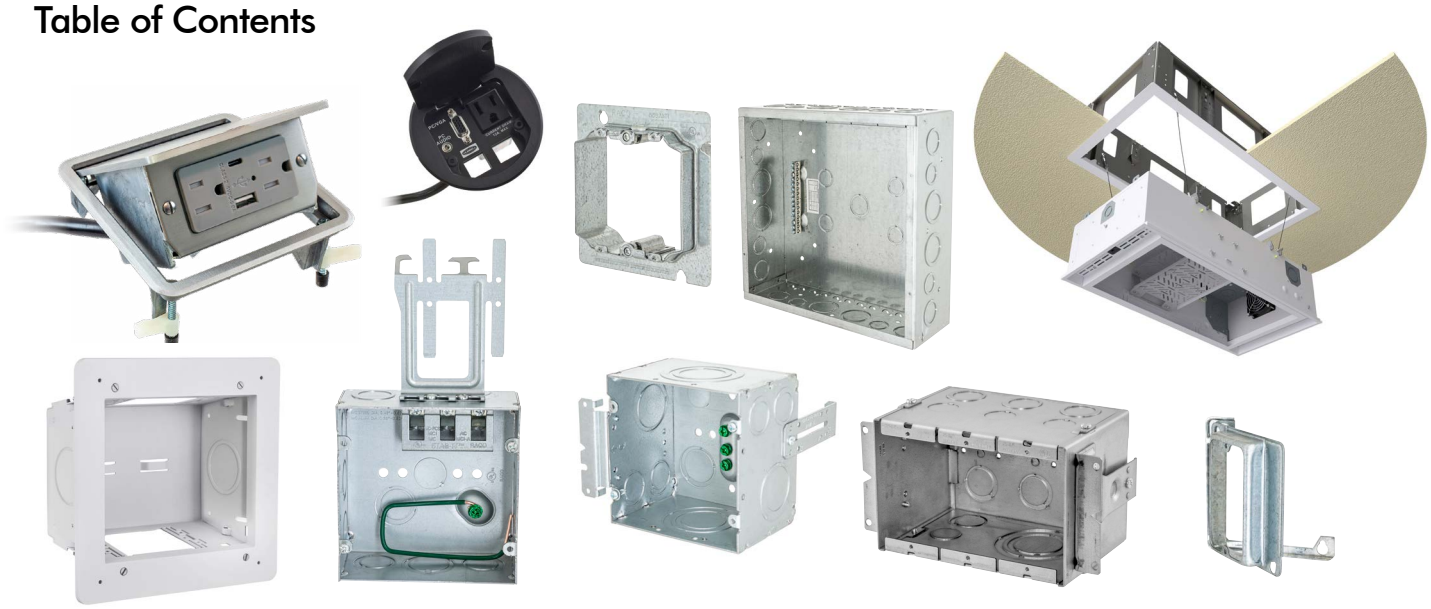


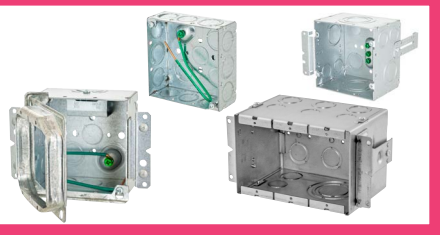
Furniture and Work Surface Boxes



AV Ceiling and In-Wall Enclosures



STAB-IT Boxes and Standard Boxes



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Dimensions in Inches (mm)

Features and Benefits

Pre-Wired 2X2 USB Work Surface Pop-Up Box

Hubbell's UL Listed 2X2 USB Work Surface Pop-Up Boxes is ideal for work surfaces, such as desks, which require power for a computer and USB charging for smart devices. Each box includes one 125V, 15A duplex receptacle and two USB ports, available with one type A and one Type-C or with two Type A ports. Developed with coordination from the hotel industry, the Hubbell Pop-Up Box utilizes a pneumatic spring for providing a smooth action for opening and closing. Available in brushed aluminum, black powder coat and white powder coat, the Pop-Up Box is suited for installation with any modern décor, making it excellent for conference rooms or classrooms that are frequently rearranged.

Installation is simple and only requires a jig-saw or similar saw plus a screwdriver. The unit is supplied with a 5 foot cord with a molded plug end allowing it to be installed with ease. Designed to be installed into existing desks or by furniture manufactures. The Hubbell 2X2 USB Work Surface Pop-Up Box is ideally suited for any work surface application.

- cULus listed to UL962A for Furniture Power Distribution Units





Box Design

- Gas-spring actuation for smooth opening and closing
- Die cast aluminum construction
- Rated for +10,000 open/close cycles
- Simple three-screw installation
- Unobtrusive low profile flange at 0.05 in.
- Charging convenience at the push of a button



USB Device

- 15A duplex with two USB ports; available with Type A & C with 5A capacity
- Tamper-resistant receptacle
- LED power indicating light
- Low .070" tapered flange height
- 5 ft, pre-wired, 12 gauge, 3 wire electrical cord



WSBUSB2X2AC5ALU



WSBUSB2X2AC5BLK



WSBUSB2X2AC5WHT

2X2 USB Work Surface Pop-Up Boxes, NEMA 5-15 Duplex Receptacle

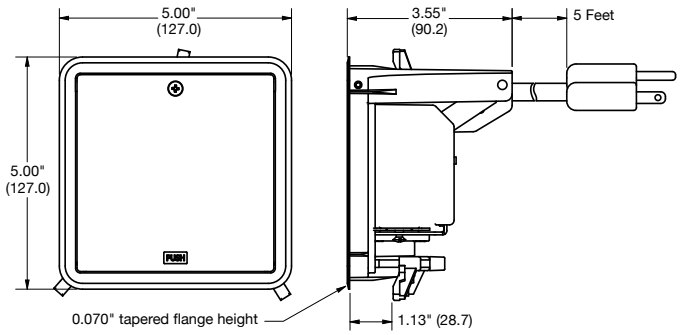
Description	Finish	USB Type A & C, 5A-5V USB Output
15A 125V duplex receptacle with (2) USB charging ports, 5 foot long cord with NEMA 5-15 plug	Brushed Aluminum	**WSBUSB2X2AC5ALU**
	Black Powder Paint	**WSBUSB2X2AC5BLK**
	White Powder Paint	**WSBUSB2X2AC5WHT**

Note: UL File Number E327832.

Work Surface Pop-Up Box Specifications

Maximum Surface Thickness	Cut Out Dimensions	Surface Dimensions	Tapered Flange Height	Product Depth	Cord Length
1.125"	4.62" x 4.62"	5" x 5"	0.070"	3.55"	5 Feet

Dimensions



Dimensions in Inches (mm)

Features and Benefits

Pre-Wired Furniture and Work Surface Connectivity Boxes, Surface Series

This family of furniture and work surface connectivity boxes installs into conference tables and workstations to bring power, voice, data, and multimedia directly to the point of use. In addition, they offer an aesthetic design with improved cable management. Now, users can plug in laptops, projectors and other equipment at the desktop level - no more crawling under the table or moving obstacles to get to the electrical outlet and network connectivity.





Table Top Pre-Wired Boxes

- Round dual-service boxes easily install into a 3½ inch diameter core hole
- Power is pre-wired and keystone openings accommodate data or multi-media activation



Lift-Up Style Pre-Wired Boxes

- Two (2) pre-wired 15A outlets with 6 ft. power supply cord
- 1-Unit opening for Hubbell iSTATION modules



Pre-Wired Work Surface Elite Series

- Configured with four (4) pre-wired 15A power outlets with 6 ft. cord
- Includes Three (3) 1-Unit Hubbell iSTATION modules
- Available in Anodized and Painted finishes

Table Top Boxes

Low Voltage Only

Description	Finish	Dimensions	Catalog Number
Table Top box; 2 inch diameter hole; (1) keystone opening; Keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	2.19" Diameter	**TTBKSBK** **TTBKSAL** **TTBKSBR**
Table Top box; 2 inch diameter hole; (1) XLR microphone jack installed.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	2.19" Diameter	**TTBXLRBK** **TTBXLRAL** **TTBXLRBR**


TTBKSBK


TTBXLRBK

Pre-Wired Dual-Service

Description	Finish	Dimensions	Catalog Number
Table Top box; 3.5 inch diameter hole; (1) pre-wired 15A outlet with 9 foot power supply cord; (1) 3.5mm screw terminal audio jack; (1) 15-pin gender changer F/F; (2) keystone openings; Keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	3.88" Diameter	**TTBDS1BK** **TTBDS1AL** **TTBDS1BR**
Table Top box; 3.5 inch diameter hole; (2) pre-wired 15A outlets with 9 foot power supply cord; (2) keystone openings; Keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	3.88" Diameter	**TTBDS2BK** **TTBDS2AL** **TTBDS2BR**


TTBDS1BK


TTBDS2BK

Note: See section A for power devices and section Y for datacom accessories.

Dimensions in Inches (mm)

Pre-Wired Furniture and Work Surface Connectivity Boxes, Surface Series



WSBF22BK



WSBF22SV



WSBFGROMSV

Grommet Style

Description	Finish	Dimensions	Catalog Number
Two (2) pre-wired 15A outlets with 6 ft. power supply cord; two (2) Hubbell Keystone openings.	Black Silver	8.62"L x 3.0"W x 2.25"H	**WSBF22BK** **WSBF22SV**
Flush grommet cover with dust shield.	Black Silver Brushed Aluminum Brushed Stainless Steel	5.68"L x 3.39"W x 0.96"H	**WSBFGROMBK** **WSBFGROMSV** **WSBFGROMBAL** **WSBFGROMBSS**



WSBG43UBK



WSBG43USV
(cover doors shown open)

Pre-Wired Work Surface Elite Series

Recessed Concealed Services

Description	Finish	Dimensions	Catalog Number
Four (4) pre-wired 15A outlets with 6 ft. power supply cord; three (3) low voltage openings which allow for three (3) 1-unit Hubbell iSTATION modules.	Black Silver Clear Anodized Black Anodized	15.0"L x 9.0"W x 6.25"H	**WSBG43UBK** **WSBG43USV** **WSBG43UBAL** **WSBG43UBBA**



WSBPLATE1

Replacement Low Voltage Data Plates

Description	Finish	Dimensions	Catalog Number
Non-metallic low voltage plate, blank.	Black	3.18"L x 1.88"W	**WSBPLATE1**
Non-metallic low voltage plate, 1-unit Hubbell iSTATION cut-out.	Black	3.18"L x 1.88"W	-

Note: UL File Number E327832.

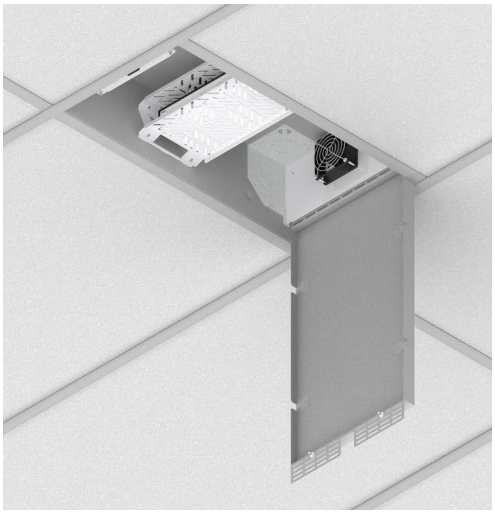
Dimensions in Inches (mm)

Features and Benefits

AV and Power Ceiling Boxes

The AV Ceiling Enclosure is designed to house active AV devices and integrate AV distribution, data connections and power in one location, providing a direct connection to a projector or a display device. The enclosure protects and conceals your equipment and connections for a clean installation while maintaining accessibility with the hinged access doors.

- Neatly Manage A/V, power, and data requirements inside one enclosure
- Two Enclosures Sizes to Match your Required Application
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Hinged access doors accepts field installed ceiling tiles
- Enclosures with 1-1/2" conduit hubs for projector mounting
- All steel rugged construction provides the ultimate strength for installation





HRCB12WHT



HRCB22PWHT

1' x 2' Plenum Rated Ceiling Boxes

Description	Length	Width	Height	Color	Catalog Number
Recessed ceiling box	23.69" (601.7mm)	11.69" (296.9mm)	6.00" (152.4mm)	White	**HRCB12WHT**
Recessed ceiling box with 1-1/2" NPT projector pole adapter	23.69" (601.7mm)	11.69" (296.9mm)	6.00" (152.4mm)	White	**HRCB12PWHT**
HRCB12 Series Box hard ceiling frame kit	23.57" (598.7mm)	12.94" (328.7mm)	7.38" (187.4mm)	White Flange	**HRCB12HCFK**
HRCB12 series box cooling fan kit	10.88" (276.3mm)	1.89" (48.1mm)	4.91" (124.6mm)		**HRCB12FAN**

Note: I'x2' ceiling boxes includes; (1) external 15A, 125V single receptacle and internal (2) 15A, 125V leaded duplex receptacles .

2' x 2' Plenum Rated Ceiling Boxes

Description	Length	Width	Height	Color	Catalog Number
Recessed ceiling box	23.69" (601.7mm)	23.69" (601.7mm)	6.00"(152.4mm)	White	**HRCB22WHT**
Recessed ceiling box with 1-1/2" NPT projector pole adapter	23.69" (601.7mm)	23.69" (601.7mm)	6.00" (152.4mm)	White	**HRCB22PWHT**
HRCB22 Series Box hard ceiling frame kit	23.57" (598.7)	24.94" (633.5)	7.38" (187.4)	White Flange	**HRCB22HCFK**
HRCB22 series box cooling fan kit	9.54" (242.3mm)	1.89" (48.1mm)	4.89" (124.2)		**HRCB22FAN**

Note: 2'x2' ceiling boxes includes; (1) external switched 15A, 125V single receptacle and internal (5) 15A, 125V single receptacles

1' x 2' & 2' x 2" Ceiling Box Accessories

Description	Length	Width	Height	Size	Catalog Number
Ceiling box cable support kit, 4 cables	95" (2413.0mm)				**HRCBMNT1**
Ceiling box threaded rod kit, 4 brackets	0.88" (22.2)	0.06" (1.6mm)	1.19"(30.2)	0.09" (2.4mm) Dia Up to 3/8" Threaded Rod	**HRCBTHRD**

AV Ceiling Enclosure

- Manage multiple applications inside one enclosure
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Loaded with two Hubbell 20A duplex receptacles and a 2-gang back box
- All steel rugged construction provides the ultimate strength for installation

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Color	Catalog Number
AV ceiling enclosure.	12" (305)	24" (610)	8" (203)	White	**AVCE1H**

Note: Enclosure includes two 20 amp duplex receptacles and 2-gang back box.



AVCE1H

Dimensions in Inches (mm)

Features and Benefits

AV In-Wall Boxes

Power, data, interfaces and more will mount discretely behind the flat screen. Covers two piece are available in white or black. Supplied with mounting screws for wood or steel stud mounting, grounding screws, tie wraps, and a rubber grommet. One of the single gang knockouts has a 1"x2" oblong internal knockout and can be used with the supplied grommets. The flush box installation allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords.

- Low voltage conduit feed-thru for connectorized cables with 1", 1-1/2" and 2" Knockouts
- 3/4" extension available for concrete block walls
- Two-piece paintable cover allows for better cable management
- Boxes Conforms to UL 62368-1:2019 Ed.3, Certified to CSAC22.2#62368-1:2019 Ed.3



HRWB25WHT with 2 Inch Low Voltage Feed-Through



HRWB25WHT



HRWB25WHT with HRW25BE075

Wall Boxes

Description	Height	Width	Depth	Cover Color	Catalog Number
Recessed 5-Gang wall box w/ 2" feed-thru	7.24" (183.8)	14.25" (362.0)	4.00" (141.6)	White	**HRWB25WHT**
HRWB25WHT replacement covers	8.34" (211.7)	15.50" (393.7)	0.16" (4.0)	White	**HRWB25WHTRC**
Recessed 5-Gang wall box w/ 2" feed-thru	7.24" (183.8)	14.25" (362.0)	4.00" (141.6)	Black	**HRWB25BLK**
HRWB25BLK replacement covers	8.34" (211.7)	15.50" (393.7)	0.16" (4.0)	Black	**HRWB25BLKRC**
HRWB25 series wall box 3/4" extension	7.47" (189.7)	14.50" (368.3)	0.75" (19.1)	Steel	**HRWB25BE075**



IFP16W



NSOKPS



IMF1W



HXJ6W



SFHC14W

Power Kits

Description	Color	Catalog Number
Standard power kit.	White	**NSOKPTR**
Surge protected power kit.	White	**NSOKPS**

AV Connectors and Plates

Description	Color	Catalog Number
1-Gang 6-Port Plate.	White	**IFP16W**
1-Gang Hubbell iSTATION Plate	White	**IMF1W**
Category 6 Jack	White	**HXJ6W**
HDMI Feed-Thru	White	**SFHC14W**

Dimensions in Inches (mm)

Features and Benefits

AV In-Wall Enclosure

2 and 4-Gang Flat Panel Television (FPTV) connection enclosure delivers high-density connectivity and power in the wall. This allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords. It quickly installs to studs or sheetrock without additional components or hardware.

- Optional screw on cover reduces tampering
- cULus 1863 Listed



Box Design

- Flush against walls installation
- Sheet metal base white powder coat finish
- Accepts standard electrical boxes
- Integrated cable management



Mounting

- Multiple device mounting options
- 1½ and 1¼ inch conduit knockouts
- Easily mounts to studs or sheetrock
- Easily replaceable receptacle
- Trim ring covers rough in



NSAV62M



NSAV124M

FPTV Connection Enclosure

Description	Color	Catalog Number
2-Gang In-Wall enclosure.	White	**NSAV62M**
Steel cover for NSAV6 series.	White	**NSAV6C**
4-Gang In-Wall enclosure.	White	**NSAV124M**
Steel cover for NSAV12 series.	White	**NSAV12C**

Note: UL File Number E129878.

NSAV6C

Power Kits

Description	Color	Catalog Number
Standard power kit.	White	**NSOKPTR**
Surge protected power kit.	White	**NSOKPS**



NS801W



NSOKPS

AV Connectors and Plates

Description	Color	Catalog Number
1-Gang blank plate.	White	**P14W**
1-Gang decorator plate.	White	**P26W**



SFHC14W



NSJ6W

Dimensions in Inches (mm)

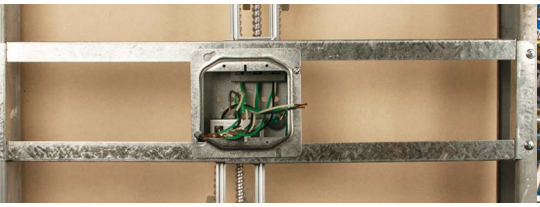
4 11/16" Square boxes

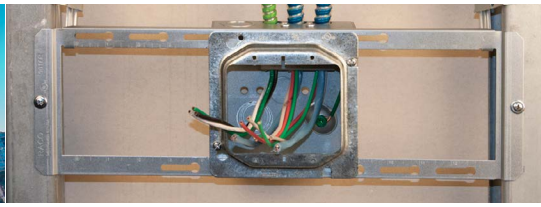
Featuring STAB-IT® connectors

Integrated into the box, our exclusive connectors are field proven to terminate MC cable up to 3 times faster than traditional cable clamps. It's easy: remove the pry-out, prep the cable, insert cable, done! These welded large boxes provide more room for wiring and include connectors for three or six cables, plus a knockout on the same side as the connectors. Available mounting brackets and cable management offer the first means of support.



- 3-cable STAB-IT connectors install 3 times faster than traditional connectors
- Designed for quick installation of flex, MC, MCI, MCI-A, MC-PCS, AC, and HCF Cable
- HBL252MSCM & HBL252MS include far-side support on back
- Includes ground wires, box mounting brackets and cable clamps
- Easier installation for labor savings





Boxes

Boxes are 4 11/16" square, 2⅛" deep. They are constructed with welded steel and have raised grounds. The boxes have 42 in.³ capacity.

	Side Knock Outs		Back Knock Outs		
Box Description	TKO	Cable Pry-outs	Concentric	TKO	Catalog Number
Standard	(12) ½"-¾"		(1) ½"	(3) ½"-¾"	**HBL257***
(1) STAB-IT Connector and 8" Solid #12 Ground Pigtail	(10) ½"-¾"	3	(1) ½"	(1) ½"-¾"	**HBL252S**
(1) STAB-IT Connector, 8" Solid #12 Ground Pigtail and (1) Cable Management Clamp	(10) ½"-¾"	3	(1) ½"	(1) ½"-¾"	**HBL252SCM**
(1) STAB-IT Connector, 8" Solid #12 Ground Pigtail and (1) Mounting Bracket	(10) ½"-¾"	3	(1) ½"	(1) ½"-¾"	**HBL252MS**
(1) STAB-IT Connector, 8" Solid #12 Ground Pigtail, (2) Mounting Brackets and (1) Cable Management Clamp	(10) ½"-¾" (1) ¾"- 1"	3	(1) ½"	(1) ½"-¾"	**HBL252MSCM**
(2) STAB-IT Connectors and 8" Solid #12 Ground Pigtail	(8) ½"-¾"	6	(1) ½"		**HBL254S**
(2) STAB-IT Connectors, 8" Solid #12 Ground Pigtail, and (2) Cable Management Clamps	(8) ½"-¾"	6	(1) ½"		**HBL254SCM**

*UL Listed Only



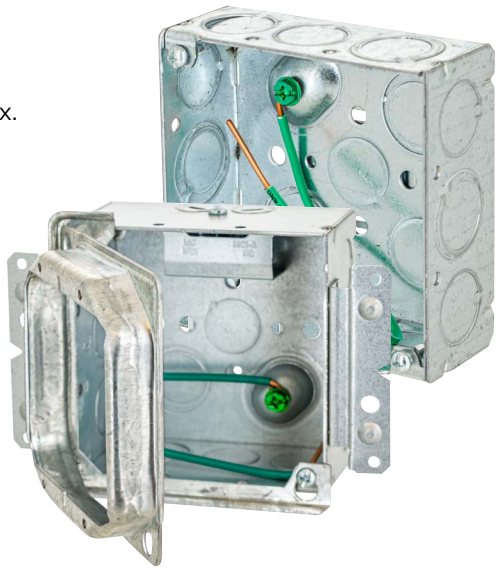
Dimensions in Inches (mm)

4″ Square boxes

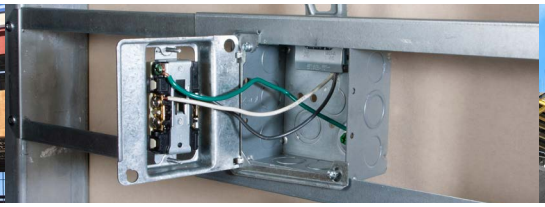
Regular or STAB-IT® boxes

These popular boxes are available with our unique connectors built into the box. Terminate MC cable in one third the time of other clamps. Models are available with connectors for two or four cables. Available mounting brackets and cable management offer the first means of support.

- 2-cable STAB-IT connectors install 3 times faster than traditional connectors
- Designed for quick installation of flex, MC, MCI, MCI-A, MC-PCS, AC, and HCF Cable
- HBL232MSCM & HBL232MS includes far-side support on back
- Includes ground wires, box mounting brackets and cable clamps
- Easier installation for labor savings









Boxes

Boxes are 4″ square, 2-1/8″ deep. They are constructed with welded steel and have raised grounds. The boxes have 30.3 in.³ capacity.

	Side Knock Outs			Back Knock Outs		
Box Description	Concentric	TKO	Cable Pry-outs	Concentric	TKO	Catalog Number
Standard	(8) ½″	(4) ½″-¾″		(2) ½″	(2) ½″-¾″	**HBL232**
10″ Solid #12 Ground Pigtail	(8) ½″	(4) ½″-¾″		(2) ½″	(2) ½″-¾″	**HBL232SM**
(1) STAB-IT Connector, 8″ Solid #12 Ground Pigtail	(6) ½″	(3) ½″-¾″	2	(1) ½″	(1) ½″-¾″	**HBL232S**
(1) STAB-IT Connector, 8″ Solid #12 Ground Pigtail, Back- Far Side Support, and (2) Mounting Brackets	(6) ½″	(3) ½″-¾″	2	(1) ½″	(1) ½″-¾″	**HBL232MS**
(1) STAB-IT Connector, 8″ Solid #12 Ground Pigtail, and (1) Cable Management Clamp	(6) ½″	(3) ½″-¾″	2	(1) ½″	(1) ½″-¾″	**HBL232SCM**
(1) STAB-IT Connector, 8″ Solid #12 Ground Pigtail, Back- Far Side Support, (1) Cable Management Clamp, and (2) Mounting Brackets	(6) ½″	(3) ½″-¾″	2	(1) ½″	(1) ½″-¾″	**HBL232MSCM**
(2) STAB-IT Connectors, 8″ Solid #12 Ground Pigtail, Back- Far Side Support, (2) Cable Management Clamp, and (2) Mounting Brackets	(6) ½″	(3) ½″-¾″	4	(1) ½″	(1) ½″-¾″	**HBL244MSCM**
(2) STAB-IT Connectors, 8″ Solid #12 Ground Pigtail	(4) ½″	(2) ½″-¾″	4	(1) ½″		**HBL248S**









Boxes

Boxes are 4″ square, 1½″ deep, and have 21 in.³ capacity. Use with standard cable connectors.

	Side Knock Outs		Back Knock Outs		
Box Description	Concentric	TKO	Concentric	TKO	Catalog Number
Welded Steel, Raised Ground, 8″ Solid #12 Ground Pigtail	(8) ½″	(4) ½″-¾″	(2) ½″	(2) ½″-¾″	**HBL189F**
Welded Steel, Raised Ground, 10″ Solid #12 Ground Pigtail	(8) ½″	(4) ½″-¾″	(2) ½″	(2) ½″-¾″	**HBL189SM***
Welded Steel, Long Side Mounting Brackets	(8) ½″	(4) ½″-¾″	(3) ½″	(2) ½″-¾″	**HBL196**
Welded Steel, Raised Ground, 10″ Solid #12 Ground Pigtail	(8) ½″, (4) ¾″		(2) ½″, (2) ¾″		**HBL232SCM**

*cULus



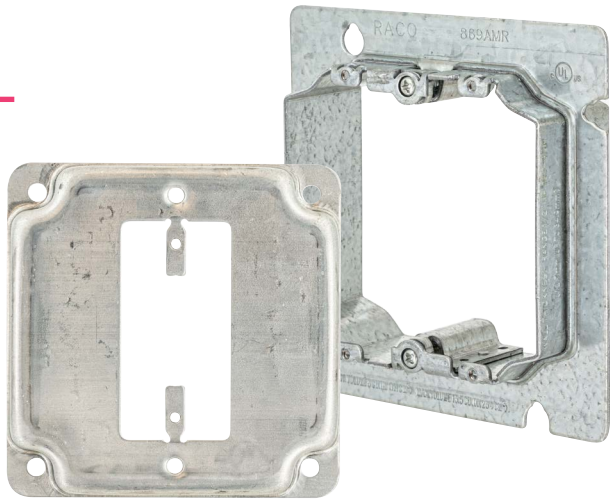
Dimensions in Inches (mm)

4″ & 4 11/16″ Square boxes

Mud rings, covers, supports

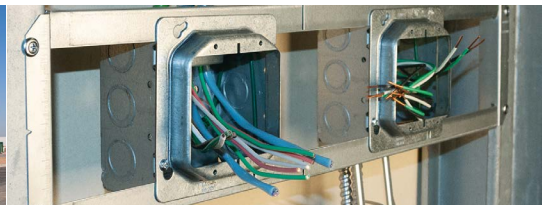
Steel adjustable mud rings provide flexibility after installation to match the drywall depth. Hinged mud rings allow devices to be installed during pre-assembly, then swing out of the way for final wiring on site. Protector plates can be attached during prefab to protect devices during drywall install, then removed during trim out.

- 1 & 2-Gang adjustable mud rings
- Standard 1 & 2-gang mud rings
- Adjustable open box mounting brackets
- Floor mounted box support includes fold back stabilizer prevents bracket from being pushed back in wall cavity during drywall installation





















Mud Rings

For use with	Type	Raised Height	Capacity (In.³)	Listing	Catalog Number
4 11/16″ boxes	1-Gang, Adjustable 2-Gang, Adjustable	½″ to 1⅜″	4 to 9.5 8 to 15.5	UL Listed	**HBL868AMR** **HBL869AMR**
	1-Gang	⅝″ 1¼″	4.5 9.5	cULus	**HBL843** **HBL842**
	2-Gang	½″ ⅝″ ¾″ 1″ 1¼″	5.5 7.3 8.8 12.0 15.0	cULus	**HBL841** **HBL818** **HBL840** **HBL819** **HBL820**
4″ boxes	1-Gang, Adjustable 2-Gang, Adjustable	½″ to 1⅜″	4 to 9.5 8 to 15.5	UL Listed	**HBL768AMR** **HBL769AMR**
	1-Gang 1-Gang, Stud Mount 1-Gang, Hinged 1-Gang	⅝″ ⅝″ ⅝″ 1¼″	4.5 4.5 5.5 9.5	UL Listed UL Listed UL Listed cULus	**HBL768** **HBL768B** **HBL768H** **HBL775**
	2-Gang 2-Gang, Stud Mount 2-Gang, Hinged 2-Gang	⅝″ ⅝″ ⅝″ 1¼″	7.3 7.3 8.3 15	cULus UL Listed UL Listed cULus	**HBL769** **HBL769B** **HBL769H** **HBL781**

Square Metallic Covers for Exposed Work

For use with	1 Decorator	1 Duplex	2 Decorator	2 Duplex	1 Duplex, 1 Decorator
4″ boxes, UL Listed	**HBL808C**	**HBL902C**	**HBL809C**	**HBL907C**	**HBL915C**

Metallic Box Brackets and Supports

For use with	Type	Box Mounting	Catalog Number
4 11/16″ and 4″ boxes, cULus	Open Wall Adjustable Box Bracket	16″ to 24″	**HBL9020R**
	Floor Mounted Box Support	12″ 18″	**HBL9009** **HBL9010**

Plates

Description	For use with	Height	1-Gang	2-Gang
Reuseable metallic mud ring cable protector plate	4 11/16″ and 4″ boxes	Flush ¾″	**HBL701F** **HBL701R**	**HBL702F** **HBL702R**
Metallic flush-fit devices levelling plate	4 11/16″ and 4″ boxes	–	**HBL999**	—

Dimensions in Inches (mm)

Grand Slam Junction boxes

Large capacity home run boxes

Terminate home runs in commercial applications with the Grand Slam box. It offers both flexibility and space. Features built-in STAB-iT® connectors for jobsite labor savings as well as included ground bar.



- With STAB-IT® clamps, has been tested at over 3X faster than traditional connectors
- Surface mount cover and ground bar included
- Two raised grounds for installation flexibility
- Available with concentric knockouts on side and back UL Listed









Grand Slam Junction Boxes

Box, surface covers and ground bar included.

Dimensions	Concentric Knock Outs	STAB-IT Clamps	Capacity (In.³)	Catalog Number
8″ X 8″ X 3″	(12) ½″ & ¾″ (5) ¾″ & 1″	(4) 14/2 to 10/3 Up to 8 Cables	179	**HBLSC080803STRC**
8″ X 8″ X 3″	NA	(4) 14/2 to 10/3 Up to 8 Cables	179	**HBLSC080803NKSTRC**
12″ X 12″ X 4″	(12) ½″ & ¾″ (9) ¾″ & 1″ (8) 1″ & 1¼″	(6) 14/2 to 10/3 Up to 12 Cables	546	**HBLSC121204STRC**
12″ X 12″ X 4″	NA	(6) 14/2 to 10/3 Up to 12 Cables	546	**HBLSC121204NKSTRC**





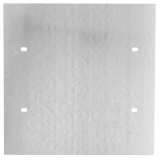




Grand Slam Junction Box Accessories

Description	For Use With	Dimensions	Catalog Number
Flush Style Cover	8″ X 8″ Boxes 12″ X 12″ Boxes	10″ x 10″ 14″ x 14″	**HBLSCF0808RC** **HBLSCF1212RC**
STAB-IT® Connector (accepts 2 cables)	All Grand Slam boxes	1.032″ x 1.75″ x 0.983″	**HBL989ST**





Dimensions in Inches (mm)

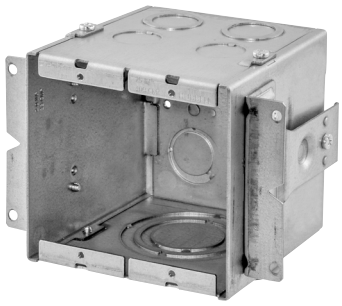
Av Wall Boxes

Gangable boxes

Deliver data, AV, and power side-by-side with these oversized in-wall boxes. Designed to install independently or ganged together for multiple devices. Perfect for Cat6 and 6A fiber optic cables that require a larger bend radius.



- 4" depth accepts any device
- Knockouts from 1/2" up to 2"
- Accepts low voltage partition
- NEMA spaced device mounting, accepts industry standard wallplates
- Adjustable stud mounting brackets and far side support
- Suitable for masonry application













Gangable AV Wall Boxes

Box Description	Knockouts: Top	Knockouts: Bottom	Knockouts: Back	Catalog Number
2-Gang, 2 in. KO, 54 in³ capacity, 4.21" X 4.06" X 4"	(2) ½" (2) ½" - ¾" TKO	(1) 1", 1¼", 1½", 2"	(2) ½"-¾"	**HBL985**
3-Gang, 2 in. KO, 79 in³ capacity. 4.21" X 5.87" X 4"	(3) ½" (3) ½" - ¾" TKO	(1) ½" (1) ½" - ¾" TKO (1) 1", 1¼", 1½", 2"	(3) ½"-¾"	**HBL986**
4-Gang, 2 in. KO, 104 in³ capacity, 4.21" X 7.69" X 4"	(4) ½" (4) ½" - ¾" TKO	(1) ½" (1) ½" - ¾" TKO (2) 1", 1¼", 1½", 2"	(4) ½"-¾"	**HBL987**
6-Gang, 2 in. KO, 154 in³ capacity, 4.21" X 11.31" X 4"	(6) ½" (6) ½" - ¾" TKO	(1) ½" (1) ½" - ¾" TKO (2) 1", 1¼", 1½", 2"	(6) ½"-¾"	**HBL988**



Low Voltage AV Wallbox Partition

For use with	Type	Catalog Number
HBL985, HBL986, HBL987 and HBL988	Solid divider With pass-thru capability	**HBL989** **HBL989AVD**

Dimensions in Inches (mm)

Large capacity Wall Boxes

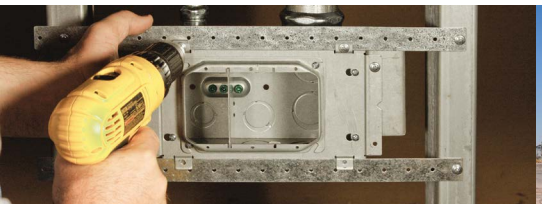
One, two or three gang boxes

Oversized two or three gang boxes and mud rings are perfect for AV, data and power applications. Extra-large knockouts for pulling pre-terminated cables.





- Designed to deliver power and low voltage in the same box
- Use standard mud rings and wallplates
- Two inch knockout feed-thru
- 3 ¼ Inch depth accommodates large cables and bend radii







2-Gang Large Capacity Wall Boxes



Boxes are 4 11/16" square, 3¼" deep. The boxes have 66.7 in.³ capacity.
Use with industry standard 4 11/16" square mud rings for 1- or 2-gang applications

	Side Knock Outs		Back Knock Outs	
Box Description	Concentric	TKO	TKO	Catalog Number
Standard	(2) 1"-2"	(2) ¾"-1" (2) 1"-1 ¼"	(2) ¾"-1" (2) 1 ½"	**HBL260**
With mounting brackets	(2) 1"-2"	(2) ¾"-1" (2) 1"-1 ¼"	(2) ¾"-1" (2) 1 ½"	**HBL260H**

3-Gang Large Capacity Wall Box



Boxes are 4 11/16"H, 7¾"W, 3¼" deep. The boxes have 113.3 in.³ capacity.
Use with industry standard 4" square mud rings for 1- or 2-gang applications

	Side Knock Outs		Back Knock Outs	
Box Description	Concentric	TKO	TKO	Catalog Number
Square 2- or 3-gang wall box	(2) 1"-2"	(4) ½"-¾" (4) ¾"-1" (2) 1"-1 ¼"	(2) ½"-¾" (2) ¾"-1" (2) 1"-1 ¼"	**HBL263**

Mud Rings



Description	For use with	Height	Capacity (In.³)	Catalog Number
2-gang mud rings	HBL260	5/8" ¾" 1" 1¼"	7.3 8.8 12.0 15.0	**HBL818** **HBL840** **HBL819** **HBL820**
3-gang mud rings	HBL263	½" 5/8" 1¼"	10.1 12.3 24.3	**HBL792** **HBL793** **HBL794**

Low Voltage Partition



For use with	Mud Ring Depth	Type	Catalog Number
HBL260 and HBL263	½", ¾" and 1¼"	Solid divider With pass-thru capability	**HBL981** **HBL981AVD**

Dimensions in Inches (mm)

SNAPConnect® Devices & Accessories

Modular wiring system

Our labor-saving receptacles and switches save up to 5 minutes per device. Perfect for prefab applications. The SNAPConnect terminal can be part of the pre-assembly. The device can be snapped in during pre-assembly or during trim out. Secure and fast, these products eliminate exposed live terminals.

- Modular wiring system eliminates screw terminals and NEC® torque requirements, speeding installation and trim-out
- Clear polycarbonate terminal connector housing to inspect contacts
- Receptacles available in standard, tamper-resistant and power indicating LED versions
- Abuse resistant nylon for extra heavy use applications
- Stainless steel autoground
- Simplifies device change out for end users











SNAPConnect® Right Angle Pigtailed Connectors for Receptacles

Description	Solid	Stranded
6 inch wire connector	**SNAP1RNA**	**SNAP2RNA**
6 inch wire with push-wire terminals	**SNAP1RNAM2**	**SNAP2RNAM2**



Hospital Grade SNAPConnect® Extra Heavy Duty Duplex Receptacles

Description	Style	Color	15A 125A	20A 125V
Standard	Duplex StyleLine Decorator	White	**SNAP8200WNA** **SNAP2172WNA**	**SNAP8300WNA** **SNAP2182WNA**
Standard with Finder Groove	Duplex	White	**SNAP8200WA**	**SNAP8300WA**
Tamper-Resistant	Duplex StyleLine Decorator	White	**SNAP8200WTRA** **SNAP2172WTRA**	**SNAP8300WTRA** **SNAP2182WTRA**
Tamper-Resistant with Split Circuit	Duplex StyleLine Decorator	White	**SNAP8200WSCTRA** **SNAP2172WSCTRA**	**SNAP8300WSCTRA** **SNAP2182WSCTRA**
Standard with Power Indicating (LED)	Duplex StyleLine Decorator	White	**SNAP8200WL** **SNAP2172WL**	**SNAP8300WL** **SNAP2182WL**
Tamper-Resistant with Power Indicating (LED)	Duplex StyleLine Decorator	White	**SNAP8200WLTRA** **SNAP2172WLTRA**	**SNAP8300WLTRA** **SNAP2182WLTRA**



Specification Grade SNAPConnect® Extra Heavy Duty Duplex Receptacles

Description	Style	Color	15A 125A	20A 125V
Standard	Duplex StyleLine Decorator	White	**SNAP5262WNA** **SNAP2152WNA**	**SNAP5362WNA** **SNAP2162WNA**
Standard with Finder Groove	Duplex	White	**SNAP5262WA**	**SNAP5362WA**
Tamper-Resistant	Duplex StyleLine Decorator	White	**SNAP5262WTRA** **SNAP2152WTRA**	**SNAP5362WTRA** **SNAP2162WTRA**
Tamper-Resistant with Split Circuit	Duplex StyleLine Decorator	White	**SNAP5262WSCTRA** **SNAP2152WSCTRA**	**SNAP5362WSCTRA** **SNAP2162WSCTRA**
Standard with Power Indicating (LED)	Duplex StyleLine Decorator	White	**SNAP5262WL** **SNAP2152WL**	**SNAP5362WL** **SNAP2162WL**
Tamper-Resistant with Power Indicating (LED)	Duplex StyleLine Decorator	White	**SNAP5262WLTRA** **SNAP2152WLTRA**	**SNAP5362WLTRA** **SNAP2162WLTRA**

Dimensions in Inches (mm)

SNAPConnect® Permanently Marked Controlled Duplex Receptacles

Description	Color	Standard 15A 125V	Standard 20A 125V	Tamper-Resistant 15A 125V	Tamper-Resistant 20A 125V
Duplex One Face Controlled Split Circuit Snap	White	**SNAP5262C1W**	**SNAP5362C1W**	**SNAP5262C1WTRA**	**SNAP5362C1WTRA**
Duplex Both faces Controlled	White	**SNAP5262C2W**	**SNAP5362C2W**	**SNAP5262C2WTRA**	**SNAP5362C2WTRA**
StyleLine Decorator One Face Controlled Split Circuit	White	**SNAP2152C1W**	**SNAP2162C1W**	**SNAP2152C1WTRA**	**SNAP2162C1WTRA**
StyleLine Decorator Both faces Controlled	White	**SNAP2152C2W**	**SNAP2162C2W**	**SNAP2152C2WTRA**	**SNAP2162C2WTRA**



SNAPConnect® Protection Receptacles

Description	Color	Hospital Grade 15A 125V	Hospital Grade 20A 125V	Specification Grade 15A 125V	Specification Grade 20A 125V
Heavy Duty Commercial Ground Fault	White	**SNAPGF82W**	**SNAPGF83W**	**GFRST15SNAPW**	**GFRST20SNAPW**
Heavy Duty Commercial Ground Fault Tamper-Resistant Weather-Resistant	White	**SNAPGFTW82W**	**SNAPGFTW83W**	**GFTWRST15SNAPW**	**GFTWRST20SNAPW**
Surge Protection Tamper resistant with Power Indicating (LED)	White	**SNAP8262WS**	**SNAP8362WS**	**SNAP5262WA**	**SNAP5362WS**
USB Charger Duplex, one USB Type A and one Type-C port, 3 Amp up to 9 Volt USB output	White	**SNAP8200UACW**	**SNAP8300UACW**	**SNAP15UACW**	**SNAP20UACW**



SNAPConnect® Right Angle Pigtailed Connectors for Switches

Description		Solid	Stranded
6 inch wire connector for use with	single pole single pole, with push-in terminals	**SNAPSP1NA** **SNAPSP1NAM2**	**SNAPSP2NA** **SNAPSP2NAM2**
	single pole pilot light single pole pilot light, with push-wire terminals	**SNAPSPP1NA** **SNAPSPP1NAM2**	**SNAPSPP2NA** **SNAPSPP2NAM2**
	3-way pilot light 3-way pilot light, with push-wire terminals	**SNAP3W1NA** **SNAP3W1NAM2**	**SNAP3W2NA** **SNAP3W2NAM2**



SNAPConnect® White Specification Grade Switches

Description	Style	15A, 120-277V AC Single Pole	15A, 120-277V AC Three Way	20A, 120-277V AC Single Pole	20A, 120-277V AC Three Way
Standard	Toggle Decorator	**SNAP1201WNA** **SNAP2101WNA**	**SNAP1203WNA** **SNAP2103WNA**	**SNAP1221WNA** **SNAP2121WNA**	**SNAP1223WNA** **SNAP2123WNA**
Illuminated blue LED, light ON with load OFF	Toggle Decorator	**SNAP1201ILWNA** **SNAP2101ILWNA**	**SNAP1203ILWNA** **SNAP2103ILWNA**	**SNAP1221ILWNA** **SNAP2121ILWNA**	**SNAP1223ILWNA** **SNAP2123ILWNA**
Pilot red LED, light ON with load OFF	Toggle Decorator	**SNAP1201PLWNA** **SNAP2101PLWNA**	—	**SNAP1221PLWNA** **SNAP2121PLWNA**	—



SNAPConnect® Testers

Description	Catalog Number
Circuit Tester for SNAPConnect® receptacle terminals, GFCI and standard receptacles	**SNAPCTG**
Switch jumper/tester, single pole, illuminated	**SANPSWJUMP**
Switch jumper/tester, 3-way, illuminated	**SNAP3WJUMP**



Polycarbonate Wallplates

Description	Standard 1-Gang	Standard 2-Gang	Mid-Size 1-Gang	Mid-Size 2-Gang
StyleLine Decorator, white	**P26W**	**P262W**	**PJ26W**	**PJ262W**
Duplex, white	**P8W**	**P82W**	**PJ8W**	**PJ82W**
Toggle, white	**P1W**	**P2W**	**PJ1W**	**PJ2W**
Combination 1-Toggle and 1-Duplex, white	-	**P18W**	-	**PJ18W**
Combination 1-Duplex and 1-StyleLine Decorator, white	-	**P826W**	-	**PJ826W**
Combination 1-Toggle and 1-StyleLine Decorator, white	-	**P126W**	-	**PJ126W**



Dimensions in Inches (mm)

Dimensions in Inches (mm)

SECTION Y

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Jacks and Connectors



AV In-Wall Enclosure and HDMI Products



Modular Snap Fit Jacks and Molded-In Voice/Data/Video



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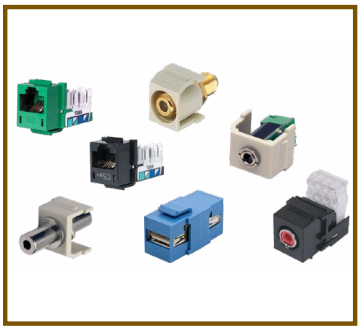
Products at a Glance



Jacks and Connectors

- NEXTSPEED® Category 6 system is designed to deliver headroom beyond 500 MHz
- Category 5e supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel
- F-Type connectors distribute high quality video signal to the workstation
- RCA connectors distribute component and composite audio and video signals from device to device



Modular Snap Fit Jacks

- Customize the jack selections and look
- Quick and secure snap-in design
- Hi impact-resistant thermoplastic frame
- Audio/Video connectors are available in standard bulkhead or recessed



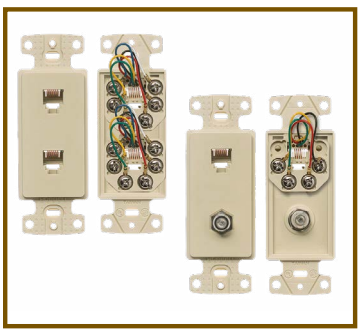
In-Wall AV Delivery and HDMI Products

- 18 Gauge white powder coated rugged steel base
- 2-Gang enclosure with two 1½ and 1¼ inch KOs
- Stud or sheetrock mounting integrated
- Supplied ABS trim ring quickly cleans up sheetrock rough-in
- Optional screw on cover reduces tampering
- cULus 1863 Listed



Patch Panels and Wall Mount Brackets

- Zero-crosstalk contact structure provides the highest performance while maintaining true balance
- Rear cable manager bars maintain termination integrity
- Integrated port and panel labeling, as well as port icon attachment
- Labeling, termination and aesthetics shared across all performance categories, sizes and configurations



Molded-In Voice/Data/Video

- Decorator frames provide a stylized look for that finishing touch
- Elongated strap for better wall box mounting
- High impact-resistant thermoplastic frame
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified



Network Enclosures

- Flush or surface mount enclosure (hardware provided)
- Hinged cover can be mounted to swing from either side
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance
- Horizontal and vertical module mounting holes for maximum flexibility

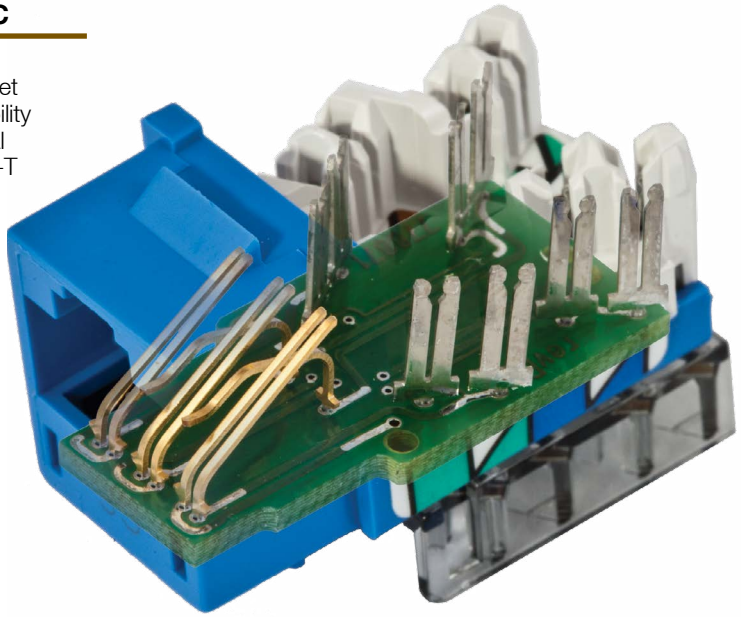


Network and Audio/Video Modules

- netSELECT® modular components enable the designer to select performance requirements specifically for the application
- Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage
- netSELECT® video modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas

Features and Benefits

Hubbell Xcelerator Jacks, Category 6, 5e and USOC



The NEXTSPEED® Category 6 system is designed to deliver headroom beyond 500 MHz for dependable Multi-gigabit Ethernet applications. NEXTSPEED's extended bandwidth provides reliability with zero bit error rate performance for today's high speed digital communications. The Category 5e supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel.

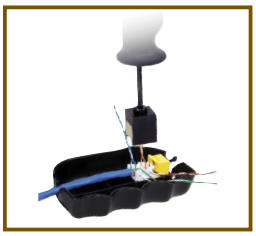
Hubbell's work area solutions and modular connectivity have many innovative features that integrate into a wide range of Hubbell products—floor boxes, patch panels, conference table boxes, fire-rated poke-throughs and wallplates.

- TIA-568.2-D Category 6 component
- IEC 60603-7-4 Category 6 component
- Qualified to 150% of IEEE 802.3bt current level
- IEEE 802.3an 10GBASE-T



Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavZ-duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use



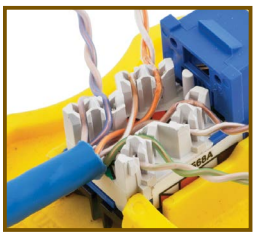
Labor Savings

- Exclusive 1-Punch Tool, terminates within seconds



Universal Wiring

- Two distinct labels eliminate wiring confusion, T568B or T568A



IDC Lacing

- IDC towers have a blade feature to assist pair splitting during termination



Specifications

- Mating cycles: 2500
- Manufacturing: 100% factory tested

Enterprise Grade Jacks







NEXTSPEED® Category 6 Jacks

Color	Single Pack	25-Pack
Black	**HXJ6BK**	**HXJ6BK25**
Blue	**HXJ6B**	**HXJ6B25**
Electric Ivory	**HXJ6EI**	**HXJ6EI25**
Gold	**–**	**HXJ6GL25**
Gray	**HXJ6GY**	**HXJ6GY25**
Green	**HXJ6GN**	**HXJ6GN25**
Office White	**HXJ6OW**	**HXJ6OW25**
Orange	**HXJ6OR**	**HXJ6OR25**
Purple	**–**	**HXJ6P25**
Red	**HXJ6R**	**HXJ6R25**
White	**HXJ6W**	**HXJ6W25**
Yellow	**HXJ6Y**	**HXJ6Y25**

Note: Also available in 100 packs.

NEXTSPEED® Category 5e Jacks

Single Pack	25-Pack
HXJ5EBK	**HXJ5EBK25**
HXJ5EB	**HXJ5EB25**
HXJ5EEI	**HXJ5EEI25**
–	**HXJ5EGL25**
HXJ5EGY	**HXJ5EGY25**
HXJ5EGN	**HXJ5EGN25**
HXJ5EOW	**HXJ5EOW25**
HXJ5EOR	**HXJ5EOR25**
–	**HXJ5EP25**
HXJ5ER	**HXJ5ER25**
HXJ5EW	**HXJ5EW25**
HXJ5EY	**HXJ5EY25**

USOC Jacks, RJ-25

Single Pack
HXJUBK
HXJUB
HXJUEI
–
HXJUGY
HXJUGN
HXJUOW
HXJUOR
–
HXJUR
HXJUW
HXJUY







netSELECT® Jacks

Color	Category 6 Jack (single)	Category 6 Jack (25 pack)	Category 5e Jack (single)	Category 5e Jack (25 pack)	USOC Jack (single)
Black	**NSJ6BK**	**NSJ6BK25**	**NSJ5EBK**	**NSJ5EBK25**	**NSJUBK**
Blue	**NSJ6B**	**NSJ6B25**	**NSJ5EB**	**NSJ5EB25**	**NSJUB**
Gray	**NSJ6GY**	**NSJ6GY25**	**NSJ5EGY**	**NSJ5EGY25**	**NSJUGY**
Green	**NSJ6GN**	**NSJ6GN25**	**NSJ5EGN**	**NSJ5EGN25**	**NSJUGN**
Ivory	**NSJ6I**	**NSJ6I25**	**NSJ5EI**	**NSJ5EI25**	**NSJUI**
Light Almond	**NSJ6LA**	**NSJ6LA25**	**NSJ5ELA**	**NSJ5ELA25**	**NSJULA**
Orange	**NSJ6OR**	**NSJ6OR25**	**NSJ5EOR**	**NSJ5EOR25**	**NSJUOR**
Red	**NSJ6R**	**NSJ6R25**	**NSJ5ER**	**NSJ5ER25**	**NSJUR**
White	**NSJ6W**	**NSJ6W25**	**NSJ5EW**	**NSJ5EW25**	**NSJUW**
Yellow	**NSJ6Y**	**NSJ6Y25**	**NSJ5EY**	**NSJ5EY25**	**NSJUY**





Jack Icons, XJ Series

100-Pack, snaps onto jack nose







Color	Blank Catalog Number	Computer Catalog Number	Telephone Catalog Number
Black	**IBK100**	**IBK100C**	**IBK100T**
Blue	**IB100**	**IB100C**	**IB100T**
Brown	**IBN100**	**IBN100C**	**IBN100T**
Electric Ivory	**IEI100**	**IEI100C**	**IEI100T**
Gray	**IGY100**	**IGY100C**	**IGY100T**
Green	**IGN100**	**IGN100C**	**IGN100T**
Orange	**IOR100**	**IOR100C**	**IOR100T**
Purple	**IP100**	**IP100C**	**IP100T**
Red	**IR100**	**IR100C**	**IR100T**
White	**IW100**	**IW100C**	**IW100T**
Yellow	**IY100**	**IY100C**	**IY100T**

Note: Cannot be used with SJ jack series.
Custom Icon numbering and labeling available. Contact Customer Service for details.

SecureIT™ RJ-45 Port Blocker

Description	Catalog Number
Locking RJ-45 port blocker	**RJ45PB50**

Note: Fits any RJ-45 port.



Jack Dust Covers, XJ Series

Description	Catalog Number
Polypropylene, clear, 25-pack	**HXJDC25**

Note: Mounts within the icon slots located above the RJ45 opening.
Cannot be used with SJ jack series.

Digital AV Connections






RJ-45 Couplers

Female to female couplers

Housing Color	Category 6, Pass-Thru	Category 5e, Pass-Thru	Category 5e, Cross Over 10/100BASE-T	Category 6, Shielded Pass-Thru
Black	**SFC6BK**	**SFC5EBK**	–	Lead free tinned shield **SFSC6**
Gray	–	–	**SF5ECOGY**	
White	**SFC6W**	**SFC5EW**	–	






USB Connectors

Pass-thru, female to female couplers

Housing Color	USB 3.0, A to A	USB 3.0, A to B	USB 2.0, A to A	USB 2.0, A to B
Black	**SFUSBAA3BK**	**SFUSBAB3BK**	–	–
Blue	–	–	**SFUSBAAB**	**SFUSBABB**
Office White	–	–	**SFUSBAAOW**	**SFUSBABOW**
White	–	–	**SFUSBAAW**	**SFUSBABW**







HDMI Connectors for IMB and ISFB Series

Color	HDMI Feed-Thru	HDMI Feed-Thru Coupler	HDMI Feed-Thru 3-Inch Tail
Black	**SFHC14BK**	**HDMIC14**	**HDMIT14**
White	**SFHC14W**	–	–

HDMI Decorator Frames

Color	1-Port	2-Port
Black	**NS801BK**	**NS802BK**
Gray	**NS801GY**	**NS802GY**
Ivory	**NS801I**	**NS802I**
Light Almond	**NS801LA**	**NS802LA**
White	**NS801W**	**NS802W**




HDMI Non-Active Horizontal Patch Cords

Black, non-plenum, #24 AWG, HDMI 4K

Length (ft)	HDMI Device Patch Cords
3	**HDPC03BK**
6	**HDPC06BK**

Length (ft)	In-Wall Cords (Male w/ Screw to Male w/ Screw)
10	**HDH10BK**
15	**HDH15BK**
20	**HDH20BK**
25	**HDH25BK**
30	**HDH30BK**

Video Connections



F-Type Connectors

Pass-thru, F/F coupler

	Nickel		Gold			
Color	2GHz	netSELECT F-Type Coupler Bulkhead, Female to Female	3GHz	2GHz	Recessed	RCA to F-Connector
Black	**SFFBX**	**NSF70BK**	**SFF3GBK**	**SFFGBK**	**SFGRFBK**	**SFRFGBK**
Gray	**SFFGX**	**NSF70GY**	**SFF3GGY**	**SFFGGY**	**SFGRFGY**	**SFRFGGY**
Ivory	**SFFEX**	**NSF70I**	**SFF3GEI**	**SFFGEI**	**SFGRFEI**	**SFRFGEI**
Office White	**SFFX**	**NSF70LA**	**SFF3GOW**	**SFFGOW**	**SFGRFOW**	**SFRFGOW**
White	**SFFWX**	**NSF70W**	**SFF3GW**	**SFFGW**	**SFGRFW**	**SFRFGW**

RCA Connectors, 110 Punch-Down



Extend up to 75ft (23m) over single 4-pair UTP cable; housing color is black

Insulator Color	Catalog Number
Blue	**SFRC110B**
Green	**SFRC110GN**
Red	**SFRC110R**
White	**SFRC110W**
Yellow	**SFRC110Y**

3.5mm to 110 Termination Stereo Jacks



Extend up to 75ft (23m) over single 4-pair UTP cable

Color	Catalog Number
3.5mm to 110 Termination, Black	**SF35110BK**

S-Video Connectors



Extend up to 75ft (23m) over single 4-pair UPT cable

Color	Catalog Number
S-Video 110 Punch-Down Black	**SFSV110BK**



F-Connector Plugs

25-pack

Termination Type	Cable Type	Catalog Number
Compression	RG6	**FRG625**

Screw Terminal



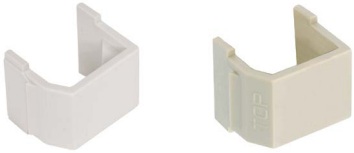
Description	Catalog Number
HD 15-Pin, 10-Pack	**15ST10**
HD 15-Pin, Front Mount	**SF15ST**

Gender Changers



Female to female couplers

Description	Catalog Number
HD 15-Pin, 10-Pack	**15GC10**



Blank Connectors

10-pack

Color	Blank Connector	Smooth Blank Connector
Black	**SFBB10**	**SFSBBK10**
Gray	**SFBG10**	**SFSBGY10**
Ivory	**SFBE10**	**SFSBEI10**
Light Almond	–	**SFSBLA10**
Office White	**SFB10**	–
White	**SFBW10**	**SFSBW10**

AV Connections



RCA Connectors, Solder Termination

	Insulator Color						
Housing Color	Black	Blue	Green	Orange	Red	White	Yellow
Black	**SFRCBKBK**	**SFRCBBK**	**SFRCGNBK**	**SFRCORBK**	**SFRCRBK**	**SFRCWBK**	**SFRCYBK**
Gray	**SFRCBKGY**	**SFRCBGY**	**SFRCGNGY**	**SFRCORGY**	**SFRCRGY**	**SFRCWGY**	**SFRCYGY**
Ivory	**SFRCBKEI**	**SFRCBEI**	**SFRCGNEI**	**SFRCOREI**	**SFRCREI**	**SFRCWEI**	**SFRCYEI**
Office White	**–**	**SFRCBOW**	**SFRCGNOW**	**SFRCOROW**	**SFRCR**	**SFRCW**	**SFRCY**
White	**SFRCBKW**	**SFRCBW**	**SFRCGNW**	**SFRCORW**	**SFRCRW**	**SFRCWW**	**SFRCYW**



RCA Connectors, Pass-Thru, Recessed

	Insulator Color						
Housing Color	Black	Blue	Green	Orange	Red	White	Yellow
Black	**SFRCBKRBK**	**SFRCBRBK**	**SFRCGNRBK**	**SFRCORRBK**	**SFRCRRBK**	**SFRCWRBK**	**SFRCYRBK**
Gray	**SFRCBKRGY**	**SFRCBRGY**	**SFRCGNRGY**	**SFRCORRGY**	**SFRCRRGY**	**SFRCWRGY**	**SFRCYRGY**
Ivory	**SFRCBKREI**	**SFRCBREI**	**SFRCGNREI**	**SFRCORREI**	**SFRCRREI**	**SFRCWREI**	**SFRCYREI**
Office White	**SFRCBKROW**	**SFRCBROW**	**SFRCGNROW**	**SFRCORROW**	**SFRCRROW**	**SFRCWROW**	**SFRCYROW**
White	**SFRCBKRW**	**SFRCBRW**	**SFRCGNRW**	**SFRCORRW**	**SFRCRRW**	**SFRCWRW**	**SFRCYRW**



RCA Connectors, Pass-Thru, Gold, Female to Female Coupler

	Insulator Color						
Housing Color	Black	Blue	Green	Orange	Red	White	Yellow
Black	**SFRCBKFFBK**	**SFRCBFFBK**	**SFRCGNFFBK**	**SFRCORFFBK**	**SFRCRFFBK**	**SFRCWFFBK**	**SFRCYFFBK**
Gray	**SFRCBKFFGY**	**SFRCBFFGY**	**SFRCGNFFGY**	**SFRCORFFGY**	**SFRCRFFGY**	**SFRCWFFGY**	**SFRCYFFGY**
Ivory	**SFRCBKFFEI**	**SFRCBFFEI**	**SFRCGNFFEI**	**SFRCORFFEI**	**SFRCRFFEI**	**SFRCWFFEI**	**SFRCYFFEI**
Office White	**SFRCBKFF**	**SFRCBFFOW**	**SFRCGNFFOW**	**SFRCORFFOW**	**SFRCRFF**	**SFRCWFF**	**SFRCYFF**
White	**SFRCBKFFW**	**SFRCBFFW**	**SFRCGNFFW**	**SFRCORFFW**	**SFRCRFFW**	**SFRCWFFW**	**SFRCYFFW**

Audio Connections






3.5mm Stereo Jacks

Color	3.5mm to Solder	3.5mm to Screw Terminal	3.5mm Pass-Thru, F/F Coupler	3.5mm Pass-Thru, Gold, F/F Coupler
Black	**SF35SJBK**	**SF35STBK**	**SF35FFBK**	**SF35GFFBK**
Gray	**SF35SJGY**	**SF35STGY**	**SF35FFGY**	**SF35GFFGY**
Ivory	**SF35SJEI**	**SF35STEI**	**SF35FFEI**	**SF35GFFEI**
Office White	**SF35SJ**	**SF35STOW**	**SF35FFOW**	**SF35GFFOW**
White	**SF35SJW**	**SF35STW**	**SF35FFW**	**SF35GFFW**



1/4" Stereo Jack

Solder

Color	Catalog Number
Black	**SF14SJBK**
Gray	**SF14SJGY**
Ivory	**SF14SJEI**
Office White	**SF14SJOW**
White	**SF14SJW**




BNC Connectors

Color	Nickel Finish	Gold Finish
Black	**SFBBK**	**SFBGBK**
Gray	**SFBGY**	**SFBGGY**
Ivory	**SFBEI**	**SFBGEI**
Light Almond	**SFBLA**	**SFBGLA**
Office White	**SFBOW**	**SFBGOW**
White	**SFBW**	**SFBGW**




Speaker Post Connectors

Screw termination, gold

Color	Black	Red
Black	**SFSPGBKBK**	**SFSPGRBK**
Gray	**SFSPGBKGY**	**SFSPGRGY**
Ivory	**SFSPGBKEI**	**SFSPGREI**
Office White	**SFSPGBK**	**SFSPGR**
White	**SFSPGBKW**	**SFSPGRW**




Speaker Banana Plugs

Screw termination, gold

	Black	Red
10-pack	**SPPBK10**	**SPPR10**

Hubbell iSTATION Wallplates

IFP Wallplates with Label Fields, 1 and 2-Gang



	1-Gang					2-Gang		
Color	1-Port	2-Port	3-Port	4-Port	6-Port	6-Port	9-Port	12-Port
Black	**IFP11BK**	**IFP12BK**	**IFP13BK**	**IFP14BK**	**IFP16BK**	**IFP26BK**	**IFP29BK**	**IFP212BK**
Gray	**IFP11GY**	**IFP12GY**	**IFP13GY**	**IFP14GY**	**IFP16GY**	**IFP26GY**	**IFP29GY**	**IFP212GY**
Ivory	**IFP11EI**	**IFP12EI**	**IFP13EI**	**IFP14EI**	**IFP16EI**	**IFP26EI**	**IFP29EI**	**IFP212EI**
Light Almond*	**IFP11LA**	**IFP12LA**	**IFP13LA**	**IFP14LA**	**IFP16LA**	**IFP26LA**	**IFP29LA**	**IFP212LA**
Office White	**IFP11OW**	**IFP12OW**	**IFP13OW**	**IFP14OW**	**IFP16OW**	**IFP26OW**	**IFP29OW**	**IFP212OW**
White	**IFP11W**	**IFP12W**	**IFP13W**	**IFP14W**	**IFP16W**	**IFP26W**	**IFP29W**	**IFP212W**

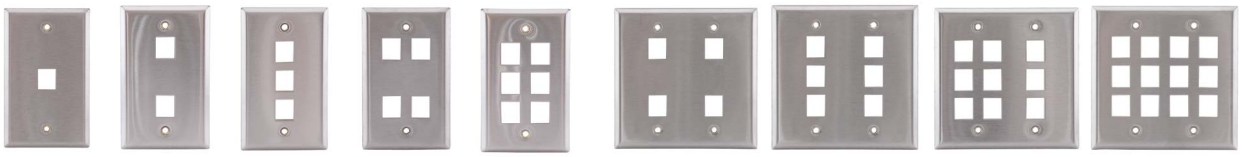
*Note: *Light Almond wallplates match Office White non-metallic raceway, boxes, jacks and connectors.*

Multimedia Nylon Wallplates, 1-Gang



	1-Gang				
Color	1-Port	2-Port	3-Port	4-Port	6-Port
Black	**NSP11BK**	**NSP12BK**	**NSP13BK**	**NSP14BK**	**NSP16BK**
Gray	**NSP11GY**	**NSP12GY**	**NSP13GY**	**NSP14GY**	**NSP16GY**
Ivory	**NSP11I**	**NSP12I**	**NSP13I**	**NSP14I**	**NSP16I**
Light Almond	**NSP11LA**	**NSP12LA**	**NSP13LA**	**NSP14LA**	**NSP16LA**
White	**NSP11W**	**NSP12W**	**NSP13W**	**NSP14W**	**NSP16W**

Stainless Steel Wallplates without Label Fields, 1 and 2-Gang



	1-Gang					2-Gang			
	1-Port	2-Port	3-Port	4-Port	6-Port	4-Port	6-Port	9-Port	12-Port
Catalog Number	**SSF11**	**SSF12**	**SSF13**	**SSF14**	**SSF16**	**SSF204**	**SSF206**	**SSF209**	**SSF212**

Stainless Steel Wallplates with Label Fields



1-Gang	Catalog Number
1-Port	**SSFL11**
2-Port	**SSFL12**
3-Port	**SSFL13**
4-Port	**SSFL14**
6-Port	**SSFL16**

Duplex and Decorator Wallplates with Label Fields



Color	Duplex Wallplate	Decorator Wallplate
Office White	**IFP18OW**	**IFP126OW**

Stainless Steel Wall Mount Phone Plates, 1-Gang

630 Stainless steel, 1-gang wall phone plate.



SPUF **SPUR**

Jack Format	Includes Gray Jack	Catalog Number
Flush	6-position USOC, RJ25	**SPUF**
Flush	8-position Cat. 5e, RJ45	**SP5EF**
Flush	8-position Cat. 6, RJ45	**SP6F**
Recessed	6-position USOC, RJ25	**SPUR**
Recessed	8-position Cat. 5e, RJ45	**SP5ER**
Recessed	8-position Cat. 6, RJ45	**SP6R**

Opening
Hole size for mounting all Hubbell Jacks.



A: .575" (14.61)
B: .676" (17.17)

Hubbell iSTATION Outlet Frames and Secure-IT Plates

Decorator Frames, Unloaded








Color	1-Gang, 1-Port	1-Gang, 2-Port	1-Gang, 3-Port	1-Gang, 4-Port	1-Gang, 6-Port	1-Gang, Adapter Blank**
Black	**NS611BK**	**NS612BK**	**NS613BK**	**NS614BK**	**NS616BK**	**NS620BK**
Gray	**NS611GY**	**NS612GY**	**NS613GY**	**NS614GY**	**NS616GY**	**NS620GY**
Ivory	**NS611I**	**NS612I**	**NS613I**	**NS614I**	**NS616I**	**NS620I**
Light Almond	**NS611LA**	**NS612LA**	**NS613LA**	**NS614LA**	**NS616LA**	**NS620LA**
White	**NS611W**	**NS612W**	**NS613W**	**NS614W**	**NS616W**	**NS620W**

*Note: *For use with rotary dimmers or to pull through AV or telephone cable.*
***To fill an extra decorator opening or to create customized openings.*

Decorator HD15/9-Pin or HDMI Frames, Unloaded





Color	HD15/9 or HDMI	(2) HD15/9 or HDMI	(1) Recessed HD15/9 or HDMI
Black	**ISFB15BK**	**ISFB215BK**	**ISFBR15BK**
Gray	**ISFB15GY**	**ISFB215GY**	**ISFBR15GY**
Ivory	**ISFB15EI**	**ISFB215EI**	**ISFBR15EI**
Office White	**ISFB15OW**	**ISFB215OW**	**ISFBR15OW**
White	**ISFB15W**	**ISFB215W**	**ISFBR15W**

Duplex Outlet Frames, Unloaded




Color	2-Port	4-Port
Black	**BR106B**	**Q106B**
Gray	**BR106G**	**Q106G**
Ivory	**BR106E**	**Q106E**
Office White	**BR106C**	**Q106O**
White	**BR106W**	**Q106W**

Secure-IT Plates

Secure-IT Plates protect mated and unmated connections from physical damage and unauthorized tampering. Available in Tamper-Resistant and Weatherproof versions.



TPF1W

Tamper-Resistant Plates

Color	1-Gang/4-Port
Black	**TPF1BK**
Gray	**TPF1GY**
Office White	**TPF1OW**
White	**TPF1W**



TWPF1GY

NEMA 3R Weatherproof Plates

Color	1-Gang/4-Port
Gray	**TWPF1GY**

AV 110 Everywhere™ Analog AV Over UTP

Tamper-Resistant Receptacle with 5V DC Power Output



Description	Color	Catalog Number
USB charger TR receptacle, (1) USB port 3A, switched 5V DC output, 15A, 125V AC decorator duplex	Black	**AVPS15BK**
	Ivory	**AVPS15I**
	Gray	**AVPS15GY**
	Office White	**AVPS15LA**
	White	**AVPS15W**



USB 2.0 High Speed 110 Extenders, 100ft

Description	Color	1.5 Unit Module
4-pair UTP cable installation, up to 100ft (305m)	Black	**IMU11015BK**
	Ivory	**IMU11015EI**
	Gray	**IMU11015GY**
	Office White	**IMU11015OW**
	White	**IMU11015W**

Note: Product consists of send and receive pair.





HDMI 1080P 110 UTP Extenders

(2) 4-pair UTP cable installation, 5V DC, up to 147ft (45m)

Color	Decorator	2 Unit Module
Black	**ISFH110BK**	**IMH110ST2BK**
Ivory	**ISFH110EI**	**IMH110ST2EI**
Gray	**ISFH110GY**	**IMH110ST2GY**
Office White	**ISFH110OW**	**IMH110ST2OW**
White	**ISFH110W**	**IMH110ST2W**

Note: Product consists of send and receive pair.



VGA and 3.5mm HD AV Extender

Extend up to 75ft (23m) over two 4-pair UTP cables, 1.5 unit

Color	Catalog Number
Black	**IM15311015BK**
Gray	**IM15311015GY**
Ivory	**IM15311015EI**
Office White	**IM15311015OW**
White	**IM15311015W**

Note: Product consists of send and receive pair.



RCA Component with Audio 110 Audio/Video Modules

Extend up to 75ft (23m) over (2) 4-pair UTP cables, 1.5 unit

Color	RCA Component Video, Left/Right Audio	RCA Component Video, 3.5mm Audio
Black	**IMCAR11015BK**	**IMC3511015BK**
Gray	**IMCAR11015GY**	**IMC3511015GY**
Ivory	**IMCAR11015EI**	**IMC3511015EI**
Office White	**IMCAR11015OW**	**IMC3511015OW**
White	**IMCAR11015W**	**IMC3511015W**







RCA 110 Audio/Video Modules

Extend up to 100ft (30.5m) over (1) 4-pair UTP cables, 1 unit

	75ft (23m) max.	100ft (30.5m) max.	
Color	RCA Component Video, HD	RCA Composite Video, Left/Right Audio	RCA Left/Right Audio
Black	**IMCR1101BK**	**IMR1101BK**	**IMAR1101BK**
Gray	**IMCR1101GY**	**IMR1101GY**	**IMAR1101GY**
Ivory	**IMCR1101EI**	**IMR1101EI**	**IMAR1101EI**
Office White	**IMCR1101OW**	**IMR1101OW**	**IMAR1101OW**
White	**IMCR1101W**	**IMR1101W**	**IMAR1101W**

AV Modules






Solder Audio/Video Modules

	1.5 Unit	1 Unit		
Color	RCA Component Video with Left/Right Audio or RGBHV	RCA Component Video	RCA Composite Video with Left/Right Audio	RCA Composite Video, 3.5mm Stereo Audio Jack
Black	**IMCRS15BK**	**IMCRS1BK**	**IM3RS1BK**	**IMRSJ1BK**
Gray	**IMCRS15GY**	**IMCRS1GY**	**IM3RS1GY**	**IMRSJ1GY**
Ivory	**IMCRS15EI**	**IMCRS1EI**	**IM3RS1EI**	**IMRSJ1EI**
Office White	**IMCRS15OW**	**IMCRS1OW**	**IM3RS1OW**	**IMRSJ1OW**
White	**IMCRS15W**	**IMCRS1W**	**IM3RS1W**	**IMRSJ1W**






Gold Pass-Through Audio/Video Modules

	Female to female coupler, 1 unit			Speaker post
Color	RCA Component Video	RCA Composite Video with Left/Right Audio	RCA Left/Right Audio with 3.5mm Stereo Audio Jack	Black and Red, Screw Termination
Black	**IMCRF1BK**	**IM3RF1BK**	**IM35AR1BK**	**IMSP1BK**
Gray	**IMCRF1GY**	**IM3RF1GY**	**IM35AR1GY**	**IMSP1GY**
Ivory	**IMCRF1EI**	**IM3RF1EI**	**IM35AR1EI**	**IMSP1EI**
Office White	**IMCRF1OW**	**IM3RF1OW**	**IM35AR1OW**	**IMSP1OW**
White	**IMCRF1W**	**IM3RF1W**	**IM35AR1W**	**IMSP1W**




Speaker Banana Plugs

Screw termination, gold		
	Black	Red
10-pack	**SPPBK10**	**SPPR10**

Wallplate Frames, Delivery Bezels, Modules and Gangable AV Wallboxes






Hubbell iSTATION Modular Wallplate Frames

Single-service, low voltage

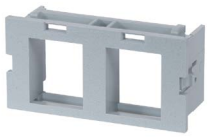
Color	1-Gang	2-Gang	3-Gang	4-Gang
Black	**IMF1BK**	**IMF2BK**	**IMF3BK**	**IMF4BK**
Gray	**IMF1GY**	**IMF2GY**	**IMF3GY**	**IMF4GY**
Ivory	**IMF1EI**	**IMF2EI**	**IMF3EI**	**IMF4EI**
Office White	**IMF1OW**	**IMF2OW**	**IMF3OW**	**IMF4OW**
White	**IMF1W**	**IMF2W**	**IMF3W**	**IMF4W**

Multi-service, power and low voltage

Color	1-Gang Decorator 1-Gang iSTATION	2-Gang Decorator	1-Gang Decorator 2-Gang iSTATION	1-Gang Decorator 3-Gang iSTATION	2-Gang Decorator 2-Gang iSTATION
Black	**IMFP1D1BK**	**IMFP2BK**	**IMFP1D2BK**	**IMFP1D3BK**	**IMFP2D2BK**
Gray	**IMFP1D1GY**	**IMFP2GY**	**IMFP1D2GY**	**IMFP1D3GY**	**IMFP2D2GY**
Ivory	**IMFP1D1EI**	**IMFP2EI**	**IMFP1D2EI**	**IMFP1D3EI**	**IMFP2D2EI**
Office White	**IMFP1D1OW**	**IMFP2OW**	**IMFP1D2OW**	**IMFP1D3OW**	**IMFP2D2OW**
White	**IMFP1D1W**	**IMFP2W**	**IMFP1D2W**	**IMFP1D3W**	**IMFP2D2W**

Hubbell iSTATION Stainless Steel Plates

1-Gang	2-Gang	3-Gang	4-Gang
IMSS1	**IMSS2**	**IMSS3**	**IMSS4**



Delivery Bezels and Modules

Color	Raceway Bezel	Hubbell iSTATION Bezel for Third-Party Raceway	Furniture Boxes
Black	–	–	**HBLIMFBK**
Gray	**KPIMBZGY**	**HWAPLGY**	**HBLIMFGY**
Ivory	–	–	**HBLIMFI**
Office White	**KPIMBZOW**	**HWAPLOW**	–
White	–	**HWAPLW**	**HBLIMFWA**

Third-Party Raceway Modules

Unloaded, 2-port, 10-pack

Color	Catalog Number
Black	**HWM2KBK10**
Gray	**HWM2KGY10**
Ivory*	**HWM2KI10**
White	**HWM2KW10**

*Note: *Equivalent to Hubbell Office White.*

Two and Three Gangable AV Wallboxes

Box	Dimensions	Top Knockouts	Bottom Knockouts	Back Knockouts	Catalog Number
2-Gang, 2" KO, 54in^3 capacity	H: 4.21" W: 4.06" D: 4.0"	(2) ½" (2) ½" – ¾" TKO*	(1) 1", 1¼", 1½" & 2"	(2) ½" – ¾" TKO	**HBL985**
3-Gang, 2" KO, 79in^3 capacity	H: 4.21" W: 5.87" D: 4.0"	(3) ½" (3) ½" – ¾" TKO*	(1) ½" (1) ½" – ¾" TKO* (1) 1", 1¼", 1½" & 2"	(3) ½" – ¾" TKO	**HBL986**

*Note: *TKO (Tangential Knockout).*



Low Voltage AV Wallbox Partitions

Compatible With	Description	Quantity	Catalog Number
HBL985 and HBL986	Solid divider	1	**HBL989**
	With pass-thru capability	1	**HBL989AVD**



Modules and Frames



HD15/9-Pin or HDMI Modules

Color	1 Unit	1.5 Unit		2 Unit
	HD15/9-Pin or HDMI	Angled, HD15/9-Pin or HDMI	HD15/9-Pin or HDMI with 3.5mm Stereo Jack*	HD15/9-Pin or HDMI with 3.5mm SJ+AV Conn
Black	**IMBDS1BK**	**IMBDSA15BK**	**IMB15315BK**	**IMB153X2BK**
Gray	**IMBDS1GY**	**IMBDSA15GY**	**IMB15315GY**	**IMB153X2GY**
Ivory	**IMBDS1EI**	**IMBDSA15EI**	**IMB15315EI**	**IMB153X2EI**
Office White	**IMBDS1OW**	**IMBDSA15OW**	**IMB15315OW**	**IMB153X2OW**
White	**IMBDS1W**	**IMBDSA15W**	**IMB15315W**	**IMB153X2W**

*Note: *Screw termination or solder.*

DVI Modules

DVI Blank, Unloaded, 1.5 Unit

Color	1-Pack	10-Pack
Black	**IMBDVI15BK**	**IMBDVI1015BK**
Gray	**IMBDVI15GY**	**IMBDVI1015GY**
Ivory	**IMBDVI15EI**	**IMBDVI1015EI**
Light Almond	**IMBDVI15LA**	**IMBDVI1015LA**
Office White	**IMBDVI15OW**	**IMBDVI1015OW**
White	**IMBDVI15W**	**IMBDVI1015W**



Modules

Color	1 Unit		1.5 Unit			
	Flat, 1-Port	Flat, 2-Port	Angled, 1-Port	Angled, 2-Port	Recessed, Angled, 1-Port	Recessed, Angled, 2-Port
Black	**IM1K1BK**	**IM2K1BK**	**IM1KA15BK**	**IM2KA15BK**	**IM1IA15BK**	**IM2IA15BK**
Gray	**IM1K1GY**	**IM2K1GY**	**IM1KA15GY**	**IM2KA15GY**	**IM1IA15GY**	**IM2IA15GY**
Ivory	**IM1K1EI**	**IM2K1EI**	**IM1KA15EI**	**IM2KA15EI**	**IM1IA15EI**	**IM2IA15EI**
Office White	**IM1K1OW**	**IM2K1OW**	**IM1KA15OW**	**IM2KA15OW**	**IM1IA15OW**	**IM2IA15OW**
White	**IM1K1W**	**IM2K1W**	**IM1KA15W**	**IM2KA15W**	**IM1IA15W**	**IM2IA15W**



Blank Modules

Color	0.5 Unit	1 Unit	1.5 Unit
Black	**IMB05BK**	**IMB1BK**	**IMB15BK**
Gray	**IMB05GY**	**IMB1GY**	**IMB15GY**
Ivory	**IMB05EI**	**IMB1EI**	**IMB15EI**
Office White	**IMB05OW**	**IMB1OW**	**IMB15OW**
White	**IMB05W**	**IMB1W**	**IMB15W**

SC Angled Modules

1.5 Unit, 1 Duplex	2 Unit, 2 Duplex
IM1SCA15BK	**IM2SCA2BK**
IM1SCA15GY	**IM2SCA2GY**
IM1SCA15EI	**IM2SCA2EI**
IM1SCA15OW	**IM2SCA2OW**
IM1SCA15W	**IM2SCA2W**

Hubbell iSTATION Audio/Video Modules

XLR, speakON® and ¼ inch modules applications include video distribution, desktop and laptop computers, monitors, cameras, microphones and projectors, home theater and entertainment. Note: Order IMAVB15 series blank modules with AV connectors for Hubbell iSTATION applications.



Color	AV Blank 1.5 Unit, 10-Pack	XLR Screw Terminal, 10-Pack	XLR Solder-Type, 10-Pack	speakON® Conn. Solder-Type, 10-Pack	USB Feed-Thru A-to-B, 10-Pack	¼" Stereo Jack Solder-Type, 10-Pack
Black	**IMAVB15BK**	**XLRST10**	**XLR10**	**SC10**	**USB10**	**14S10**
Gray	**IMAVB15GY**					
Ivory	**IMAVB15EI**					
Office White	**IMAVB15OW**					
White	**IMAVB15W**					

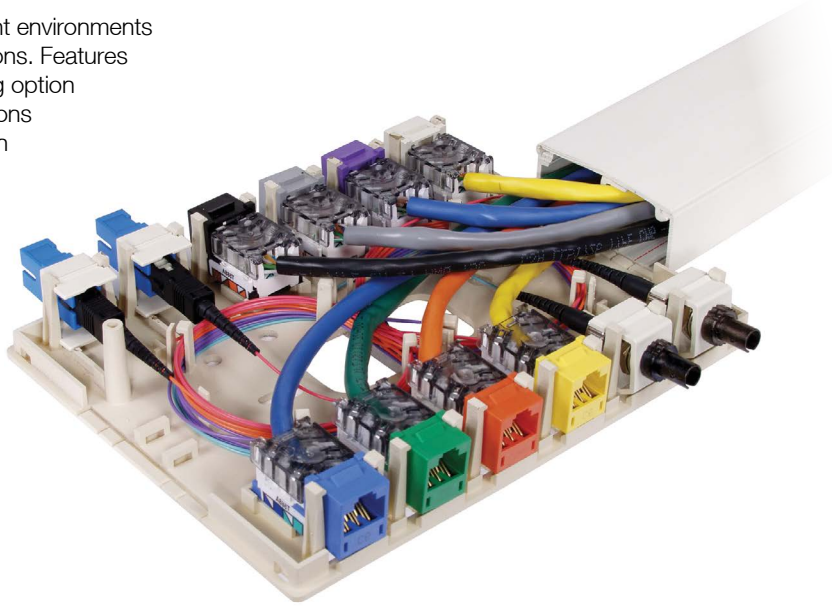
*Note: *Not UL Listed.*

speakON® is a registered trademark of Neutrik® AG.

Hubbell iSTATION Surface Mount Boxes

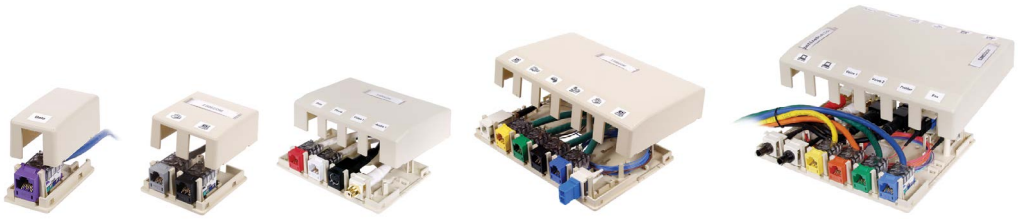
Ideal for open office MUTOA cabling, compact surface mount environments and retrofits to support data, voice and multimedia applications. Features adjustable furniture latches to provide an additional mounting option to common ANSI/TIA standard furniture openings and solutions requiring fiber. Box bases feature fiber storage posts that can store one meter fiber cable after termination.

Can be mounted with supplied surface mounting screws or double-sided adhesive tape and mounted to NEMA electric boxes or relay racks.



Features

- Low-profile design
- Accepts XJ jacks, audio video and fiber connectors
- Provided with double-sided tape and mounting screws for easy installation
- UL and cULus listed
- Constructed with a high-impact resistant, flame-retardant polymer
- ANSI/TIA-606B compliant



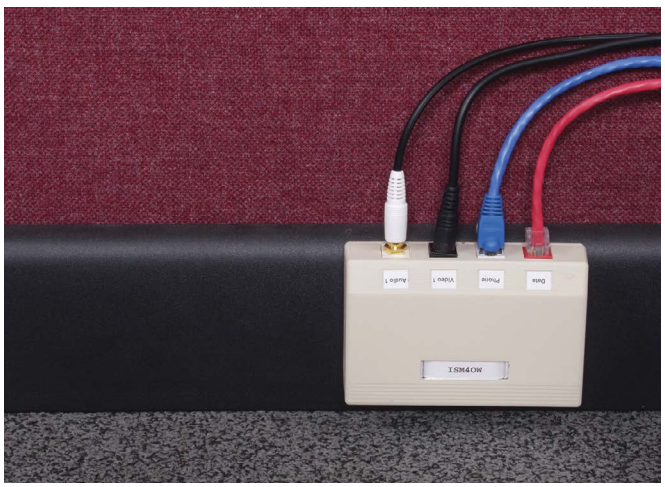
HSB Surface Mount Boxes

Color	1-Port	2-Port	4-Port	6-Port	12-Port
Black	**HSB1BK**	**HSB2BK**	**HSB4BK**	**HSB6BK**	**HSB12BK**
Ivory	**HSB1EI**	**HSB2EI**	**HSB4EI**	**HSB6EI**	**HSB12EI**
Gray	**HSB1GY**	**HSB2GY**	**HSB4GY**	**HSB6GY**	**HSB12GY**
Office White	**HSB1OW**	**HSB2OW**	**HSB4OW**	**HSB6OW**	**HSB12OW**
White	**HSB1W**	**HSB2W**	**HSB4W**	**HSB6W**	**HSB12W**

UL Plenum Rated HSB Surface Mount Boxes

Color	1-Port	2-Port
Black	**HSB1BKP**	**HSB2BKP**
Ivory	**HSB1EIP**	**HSB2EIP**
Gray	**HSB1GYP**	**HSB2GYP**
Office White	**HSB1OWP**	**HSB2OWP**
White	**HSB1WP**	**HSB2WP**

Note: HSB surface mount boxes are not compatible with SJ shielded jacks.



Non-Metallic Raceway Compatibility Chart

Series	PP	PL	PW	PB
HSB1	✓			✓*
HSB2	✓			✓*
HSB4	✓	✓	✓	✓*
HSB6	✓	✓	✓	✓*
HSB12	✓	✓	✓	✓*

*Note: *Use PB3REDA transition fitting.*
See section T for Raceway product information.

PP1 = PREMISETRAK Latching Raceway
PL1 = LANTRAK® Latching Raceway
PW2= WALLTRAK® Latching Raceway
PB2 = BASETRAK® Non-Latching Raceway
PB3 = BASETRAK Non-Latching Raceway
PS3 = SUPER BASETRAK® Non-Latching Raceway

Universal Patch Panels and Wall Mount Brackets



HP612



HP5E12



HP5E24



HP5E48



NSPJ24



CMBR

Consolidation Point Block, Category 6 and Category 5e

Description	Catalog Number
Category 6, 12-Port, Universal, 89D.	**HP612**
Category 5e, 12-Port, Universal, 89D.	**HP5E12**

Universal Patch Panel, Category 5e

Description	Catalog Number
24-Port, 1.75" H.	**HP5E24**
48-Port, 3.50" H.	**HP5E48**
96-Port, 7.0" H.	**HP5E96**

Universal Patch Panel, Category 6

Description	Catalog Number
24-Port, 1.75" H.	**HP624**
48-Port, 3.50" H.	**HP648**
96-Port, 7.0" H.	**HP696**

Jack Panel, Unloaded

Description	Catalog Number
Wall Mount, 12-Port, Black.	**HPJ1289**
Rack Mount, 24-Port, 1.75" H, Black.	**NSPJ24**
Rack Mount, 48-Port, 3.5" H, Black.	**NSPJ48**

Rear Cable Management Bar*

Description	Catalog Number
Screws to the rear flange of a 19-inch rack.	**CMBR**
HPW panel mount.	**HPRCMB**

*Note: *Not UL Listed.*



HPWWB2U4



HPWWB4U8



HPWWB6U18



BRMCCMB19X7X4

Wall Mount Brackets, Bottom-Hinged

Includes assembled bottom-hinged wall bracket.

Rack Units	Width Inches (mm)	Depth Inches (mm)	Height Inches (mm)	Catalog Number
1	19" (483)	4" (102)	1.75" (45)	**HPWWB1U4**
2	19" (483)	4" (102)	3.50" (89)	**HPWWB2U4**
		8" (203)	3.50" (89)	**HPWWB2U8**
4	19" (483)	4" (102)	7.00" (178)	**HPWWB4U4**
		8" (203)	7.00" (178)	**HPWWB4U8**
6	19" (483)	4" (102)	10.50" (267)	**HPWWB6U4**
		8" (203)	10.50" (267)	**HPWWB6U8**
		18" (457)	10.50" (267)	**HPWWB6U18**

Wall Mount Brackets, Side-Hinged

Includes assembled side-hinged wall bracket.

Rack Units	Width Inches (mm)	Depth Inches (mm)	Height Inches (mm)	Catalog Number
2	19" (483)	4" 102)	3.50" (89)	**BRMCCMB19X35X4**
4	19" (483)	4" (102)	7.00" (178)	**BRMCCMB19X7X4**
2	19" (483)	8" (203)	3.50" (89)	**BRMCCMB19X35X8**
4	19" (483)	8" (203)	7.00" (178)	**BRMCCMB19X7X8**

Features and Benefits

NSC Patch Cords

- Conductor: #24 AWG UTP
- Jacket: Flame-Retardant PVC-CM Rated
- Plug Body: Polycarbonate UL 94V-0
- Plug Boot: PVC
- Contact Plating: 50 micro-inch Gold





Housing Design

- Category 6 performance
- Slim snagless boot for high density ports
- PoE ready



Performance, Mechanical

- Cable to plug tensile strength: 20+ lbs.
- Mating cycles: 2000+

NSC Patch Cords, Category 6

Length (ft)	Color			
	Black	Blue	Gray	White
1’	**NSC6BK01**	**NSC6B01**	**NSC6GY01**	**NSC6W01**
3’	**NSC6BK03**	**NSC6B03**	**NSC6GY03**	**NSC6W03**
5’	**NSC6BK05**	**NSC6B05**	**NSC6GY05**	**NSC6W05**
7’	**NSC6BK07**	**NSC6B07**	**NSC6GY07**	**NSC6W07**
10’	**NSC6BK10**	**NSC6B10**	**NSC6GY10**	**NSC6W10**
15’	**NSC6BK15**	**NSC6B15**	**NSC6GY15**	**NSC6W15**



NSC6B01

NSC Patch Cords, Category 5e

Length (ft)	Color			
	Black	Blue	Gray	White
1’	**NSC5EBK01**	**NSC5EB01**	**NSC5EGY01**	**NSC5EW01**
3’	**NSC5EBK03**	**NSC5EB03**	**NSC5EGY03**	**NSC5EW03**
5’	**NSC5EBK05**	**NSC5EB05**	**NSC5EGY05**	**NSC5EW05**
7’	**NSC5EBK07**	**NSC5EB07**	**NSC5EGY07**	**NSC5EW07**
10’	**NSC5EBK10**	**NSC5EB10**	**NSC5EGY10**	**NSC5EW10**
15’	**NSC5EBK15**	**NSC5EB15**	**NSC5EGY15**	**NSC5EW15**



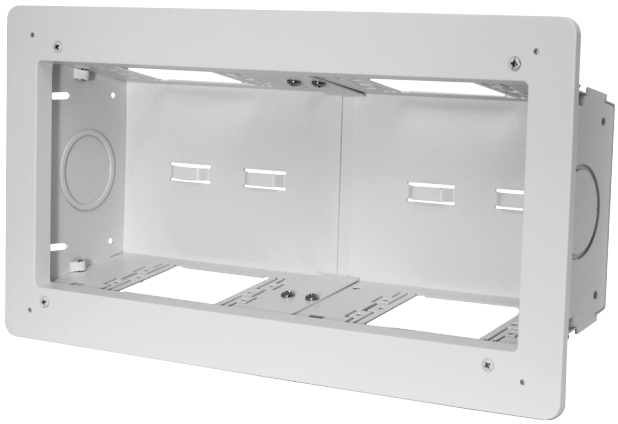
NSC5EW01

Features and Benefits

AV In-Wall Enclosure

Hubbell's netSELECT® Flat Panel Television (FPTV) connection enclosure delivers high-density connectivity and power in the wall. This allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords. It quickly installs to studs or sheetrock without additional components or hardware.

- 18 Gauge white powder coated rugged steel base
- 2 and 4-gang enclosure with two 1½ and 1¼ inch KOs
- Optional screw on cover reduces tampering
- cULus 1863 Listed





Box Design

- Flush against walls installation
- Sheet metal base white powder coat finish
- Accepts standard electrical boxes
- Integrated cable management



Mounting

- Multiple device mounting options
- 1½" And 1¼" conduit knockouts
- Easily mounts to studs or sheetrock
- Easily replaceable receptacle
- Trim ring covers rough-in

NSAV6C



NS801W



NSOKPS



NP26W



SFHC14W



NSJ6W

FPTV Connection Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Color	Catalog Number
2-gang in-wall enclosure.	8.16" (207)	7.92" (201)	3.37" (86)	White	**NSAV62M**
4-gang in-wall enclosure.	14.80" (376)	7.92" (201)	3.37" (86)	White	**NSAV124M**
Steel cover for NSAV6 series.	7.2" (183)	7.2" (183)	0.05" (1)	White	**NSAV6C**
Steel cover for NSAV12 series.	13.80" (351)	7.2" (183)	0.05" (1)	White	**NSAV12C**
Block wall adapter.					**NSAV6BW**
New work stud brackets.					**NSAV6NW**

Accessories

Power Kits

Description	Color	Catalog Number
Standard power kit.	White	**NSOKPTR**
Surge protected power kit.	Blue	**NSOKPS**

Unloaded Wallplates and Frames

1-gang blank wallplate.	White	**P14W**
1-gang decorator wallplate.	White	**P26W**
1-gang Hubbell iSTATION wallplate.	White	**IMF1W**
1-gang 4-port wallplate.	White	**NSP14W**

AV Connectors and Wallplates

1-port HDMI frame.	White	**NS801W**
2-port HDMI frame.	White	**NS802W**
HDMI snap fit.	White	**SFHC14W**
F-connector snap fit.	White	**NSF70W**
USB A-to-B snap fit.	White	**SFUSBABW**
Cat 6 snap fit jack.	White	**NSJ6W**

Note: See pages Y-4 to Y-8 for snap fit multimedia jacks and AV connectors.

HDMI Products

AV Ceiling Enclosure

The AV Ceiling Enclosure is designed to work with active AV devices to integrate AV distribution, data connections and power in one location, providing a direct connection to a projector or a display device. An additional AV/data kit can be added or customized to address all connector, mounting and patching needs, reducing multiple pieces on site.

- Manage multiple applications inside one enclosure
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Loaded with two Hubbell 20A duplex receptacles and a 2-gang back box
- All steel rugged construction provides the ultimate strength for installation



Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Color	Catalog Number
AV Ceiling Enclosure	12" (305)	24" (610)	8" (203)	White	**AVCE1H**

Note: Enclosure includes two 20 amp duplex receptacles and 2-gang back box.

HDMI Decorator Frames

netSELECT® HDMI Decorator Frames deliver uncompromising digital audio and video wherever you need it. Unleash the full potential of your high definition display and audio installations.

- Third party tested for 1080p resolutions
- UL Listed - Communications Circuit Accessory and CSA Certified





Frame Design

- High impact thermoplastic frame
- Connector flush to frame face



Connector

- Thumbscrew prevents accidental disconnection only when used with Hubbell's HDMI patch cords
- Connector sized to fit 1 inch conduit
- 4 inch flexible extension reduces bend radius issues in confined spaces

HDMI Products

Description	Color	1-Gang, 1-Port	1-Gang, 2-Port
HDMI, Decorator Frame, Female to Female	Black	**NS801BK**	**NS802BK**
	Gray	**NS801GY**	**NS802GY**
	Ivory	**NS801I**	**NS802I**
	Light Almond	**NS801LA**	**NS802LA**
	White	**NS801W**	**NS802W**



NS801W



NS802W

HDMI Patch Cords, #24 AWG



Length	HDMI Device Patch Cords
3 ft.	**HDPC03BK**
6 ft.	**HDPC06BK**



Length	Horizontal Cords (Connector to Connector)
10 ft.	**HDH10BK**
15 ft.	**HDH15BK**
20 ft.	**HDH20BK**
25 ft.	**HDH25BK**
30 ft.	**HDH30BK**

Note: Black and Non-Plenum only.

Advantages and Wiring Layout

Connect Your Home to Internet, Voice and Video Services

netSELECT® is an innovative network solution that's perfect for any home or small office. Specifically positioned as the voice/data segment for the Residential brand, the netSELECT® System satisfies the need for a dependable, flexible system that can accommodate all of today's fast-changing voice, data and video requirements.

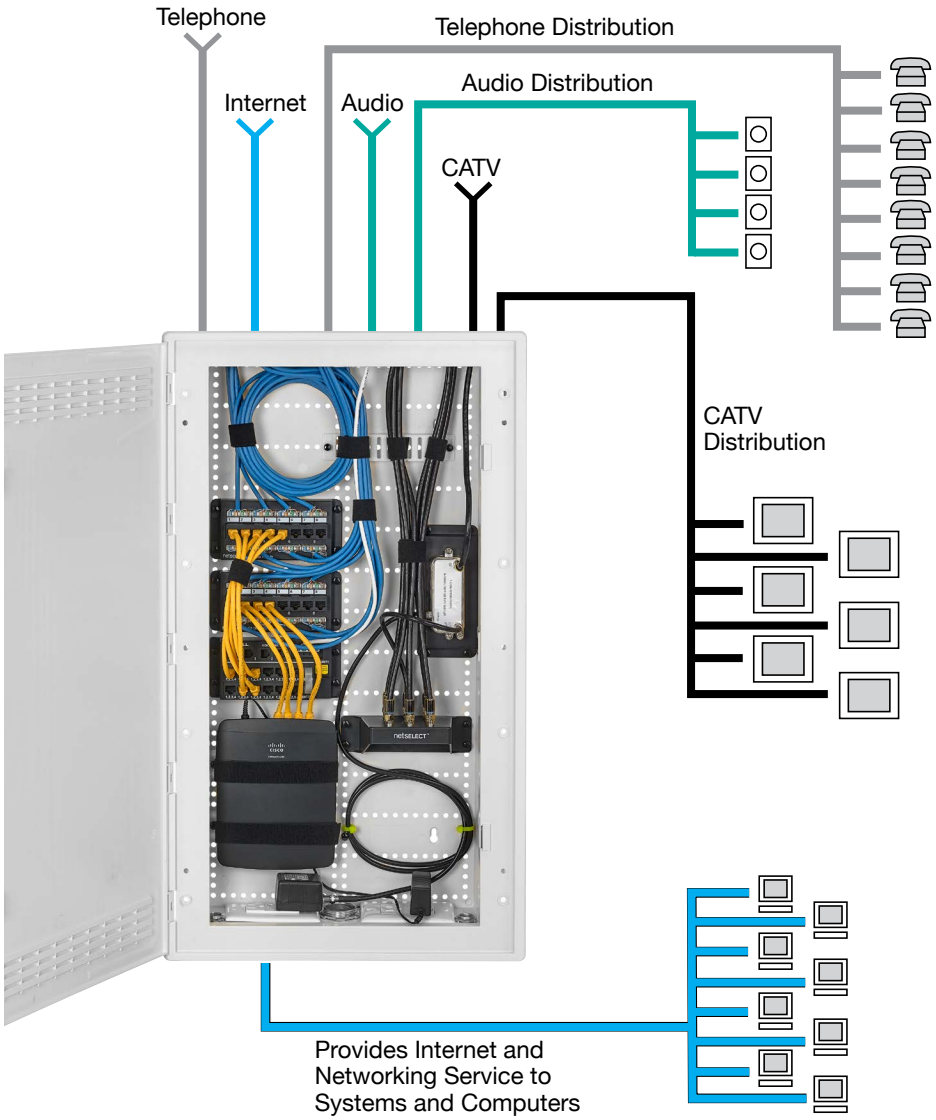
This cost-effective solution incorporates all the quality you'd expect from Hubbell. Built-in flexibility makes it easy to upgrade and keep pace with evolving technologies.

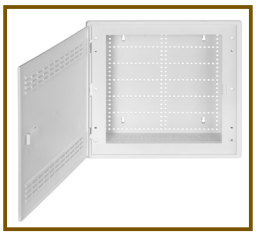
- Share single analog, cable or DSL internet connection
- Local file access
- Shared peripherals
- Multiple telephone distribution
- Call handling (PBX)
- Video distribution
- Play games that allow multi-users
- Control home automation systems

Specifications

- Material: high-impact thermoplastic to minimize WiFi degradation
- Finish: White, satin finish
- UL and cULus Listed

Today's Communications Entail A Lot More Than Just Talking. netSELECT® Keeps You Connected—Internet, Voice, Data and Entertainment





Flexibility

- Hinged door can be mounted to swing from either side



Options

- Horizontal and vertical module mounting holes for maximum flexibility



Installation

- Additional nylon push pins provided to assist module mounting

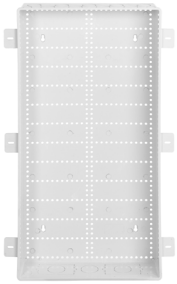
Network Enclosures

Features

- Flush or surface mount enclosure (hardware provided)
- Hinged cover can be mounted to swing from either side
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance (except NSOBOX48)
- Horizontal and vertical module mounting holes for maximum flexibility
- Unique 89D bracket mounting holes allow easy mounting of 66 blocks and peripherals
- Provisions to mount optional duplex power and lock kit available
- Integral cable management slots and tie-wraps provided to help dress cable runs
- Additional nylon push pins provided to assist module mounting
- Material: 20-18 gauge steel
- Finish: white, powder coat
- cULus Listed 1863



Box with Hinged Vented Door



Box Only



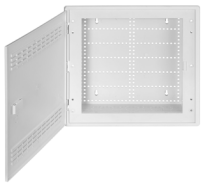
Hinged Vented Door



Hinged Vented Door Open

14-Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Module Unit Capacity	Catalog Number
With hinged vented door	16.2" (412)	17.5" (445)	4.35" (111)	5	**NSOBXP14**
14" height box only	13.5" (343)	17.1" (434)	3.95" (100)	5	**NSOBXP14B**
Hinged vented door	16.2" (412)	17.5" (445)	0.4" (10)	–	**NSOBXP14D**



28-Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Module Unit Capacity	Catalog Number
With hinged vented door	30" (762)	17.5" (445)	4.35" (111)	11	**NSOBXP28**
28" height box only	27.7" (704)	17.1" (434)	3.95" (100)	11	**NSOBXP28B**
Hinged vented door	30" (762)	17.5" (445)	0.4" (10)	–	**NSOBXP28D**



42-Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Module Unit Capacity	Catalog Number
With hinged, vented, 2-piece door	45.1" (1146)	17.5" (445)	4.35" (111)	16	**NSOBXP42**
42" height box only	42.6" (1082)	17.1" (434)	3.95" (100)	16	**NSOBXP42B**
Hinged vented door (2-piece)	45.1" (1146)	17.5" (445)	0.4" (10)	–	**NSOBXP42D**



Network Modules

Features

netSELECT® Modular Components enable the designer to select performance requirements specifically for the application. Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage.

- Dimensions: 6.47 in. W x 2.95 in. H, except NSOMTM24 6.47 in. W x 6.00 in. H
- Meets FCC Part 68 standard
- Material: High impact plastic
- cULus Listed 1863
- All data and phone modules 568A wired



NSOTVDM6



NSOPTM8



NSOETM8



NSODM8



NSOMTM24



NSOMTM12

Combination Modules

Description	Units	Catalog Number
6-port telephone panel and 6-port coaxial splitter with optional 6-port Category 5e panel provides voice, video, and data distribution in a space efficient package; perfect for use with NSOBOX10 and NS790xx plates to quickly establish a comprehensive home network.		
6-port telephone and video	3	**NSOTVM6**
6-port telephone, video and Category 5e	3	**NSOTVDM6**
6-port Category 5e data upgrade kit	3	**NSODK6**

Primary Telephone Module

Description	Units	Catalog Number
8-port phone outlets with up to (4) incoming lines for voice, fax or modem applications in a protected PCB module; pre-mounted push pins snap the module quickly into place; RJ31X interface jack included for security system connection; RJ45 jack interfaces with optional NSOETM8 telephone expansion module for additional extensions.	1	**NSOPTM8**

Expansion Telephone Module

Description	Units	Catalog Number
8-port adds an additional (8) phone outlets with up to (4) incoming lines when used with the primary telephone module; pre-mounted push pins snap the module quickly into place; includes RJ45 jumper cord to connect with NSOPTM8 primary telephone module.	1	**NSOETM8**

Data Modules

Description	Units	Catalog Number
Category 5e data module, 8-port supports Gigabit Ethernet for up to (8) Category 5e data lines with front 110 punch-down terminations in a protected PCB module; pre-mounted push pins snap the module quickly into place.	1	**NSODM8**
Category 6 data module, 8-port supports enhanced transmission speeds beyond Gigabit Ethernet; future-proof for tomorrow's applications.	1	**NSODM8C6**

Patchable Telecom Module

Description	Units	Catalog Number
Terminates lines via modular plug to accommodate flexibility, by changing plug locations; reconfigure where phone lines go at the panel level; allows data lines to be converted to voice, with the move of a patch cord; includes nine RJ45 jumper cords.	2	**NSOMTM24**

Multi-Provider Patchable Telcom Module

Description	Units	Catalog Number
12-port telephone module distributes 4 incoming lines out to 12 locations through RJ-45 jacks; allows data lines to be converted to voice with the move of a patch cord; RJ31X interface jack is included for security system connection.	1	**NSOMTM12**

Audio/Video Modules

Features

netSELECT® Video Modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas. Pre-mounted push pins snap the module quickly into place.

- Dimensions for VAMP, AM8 and BM: 6.47 in. W x 2.95 in. H
- Dimensions for video splitters: 6.47 in. W x 2.09 in. H x 3.20 in. D
- Material: High impact plastic
- cULus Listed 1863

4-Way Coaxial Splitter Modules

One incoming line, four outgoing.

Description	Units	Catalog Number
1GHz, basic unit	1	**NSOVM4**
2.3GHz, enhanced capability	1	**NSOVM42G**



NSOVM4

6-Way Coaxial Splitter Modules

One incoming line, six outgoing.

Description	Units	Catalog Number
1GHz, basic unit	1	**NSOVM6**
2.3GHz, enhanced capability	1	**NSOVM62G**



NSOVM6

8-Way Coaxial Splitter Modules

One incoming line, eight outgoing.

Description	Units	Catalog Number
1GHz, basic unit	1	**NSOVM8**
2.3GHz, enhanced capability	1	**NSOVM82G**



NSOVM8

Fixed Video Amplifier Module

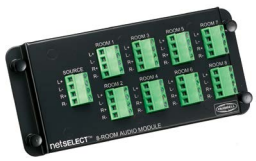
120 Volt rated

Description	Units	Catalog Number
Provides 10dB video signal amplification for incoming cable feeds recommended for use when more than four outputs are installed or when signal level is low; provides 10dB forward path gain and supports current digital cable systems and modems with a passive return; pre-mounted push pins snap the module quickly into place; includes RG-59 cable jumper to connect amplifier to passive video splitter.	1	**NSOVAMP**


NSOVAMP

Eight Room Audio Module

Description	Units	Catalog Number
Distributes audio from an amplifier to matching volume controllers; supports up to eight rooms of audio; power handling – 200W RMS@20° C; requires impedance matching volume controls (see page Y-24).	1	**NSOAM8**


NSOAM8

Blank Module Bracket

Description	Units	Catalog Number
Allows mounting of active components (i.e. switches, routers) or other devices onto a modular platform; (2) VELCRO® brand fasteners included to mount components onto module; pre-mounted push pins snap the module quickly into place; 2-pack	1	**NSOBM2**


NSOBM2

VELCRO® is a registered trademark of Velcro Industries B.V.

Accessories

Features

netSELECT® Accessories enhance system capabilities.
Volume controls expand home audio applications.
Cabinet mounted receptacle kits provide convenience power to the enclosure.

- Audio controls available in slide or rotary
- Receptacles available in surge and standard kits



NSOSAVC



NSORAVC



NSOKPS



FLOCK1



NSOFSB



FSPFP6X



FSPHD6X

Accessories

Description	Color	Catalog Number
Slide Audio Volume Controller, Decorator Styling, Power handling - 70W RMS@20° C. Impedance matching for up to 8 pairs of speakers. Includes both ivory and white slides and frames.	Ivory/White	**NSOSAVC**
Rotary Audio Volume Controller Power handling - 70W RMS@20° C. Impedance matching for up to 8 pairs of speakers. Includes both ivory and white knobs and frames.	Ivory/White	**NSORAVC**
Standard Power Kit, Includes tamper-resistant duplex receptacle 15A 125V NEMA 5-15R, electrical steel box and wallplate.		**NSOKPTR**
Surge Suppression Power Kit, Includes surge receptacle 15A 125V NEMA 5-15R, 240 Joules/15,000A protection per mode, electrical steel box and wallplate.		**NSOKPS**
Chromed Steel Lock Kit, Includes two keys. Eliminates unwanted tampering.		**FLOCK1**
Panel Bracket Adapter, For use with Adapter Panels shown below, and FSP series modules. Snap mounts into structured cabling enclosures.		**NSOFSB**
F-Connector Adapter Panel, with Six Populated Coaxial Connectors.		**FSPFP6X**
Jacks Adapter Panel, with Six Blank Openings for jacks and snap fits.		**FSPHD6X**

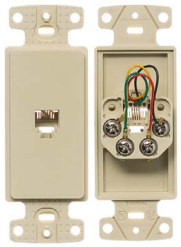
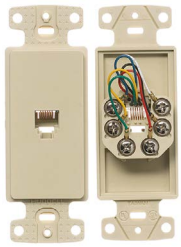
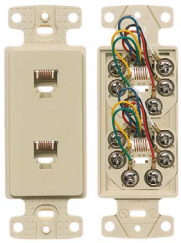
Molded-In Voice/Data/Video

Features

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate.

- High impact-resistant thermoplastic frame
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

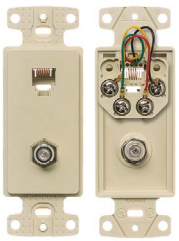

Description	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor	Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor	Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor	Decorator Frame, One Cat. 5e 110 Punch-Down, One RJ11 Jack, 6-Position, 4-Conductor
Color	Screw Terminations	Screw Terminations	Screw Terminations	110 Punch-Down/Screw Terminations
Black	**NS770BK**	—	—	**NS784BK**
Brown	**NS770**	**NS771**	—	**NS784**
Gray	**NS770GY**	—	—	**NS784GY**
Ivory	**NS770I**	**NS771I**	**NS772I**	**NS784I**
Light Almond	**NS770LA**	**NS771LA**	**NS772LA**	**NS784LA**
White	**NS770W**	**NS771W**	**NS772W**	**NS784W**

Features

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame
- Jacks meet FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data


Description	Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One Cat. 5e 110 Punch-Down, One F-Type Coupler Bulkhead, Female to Female
Color	Screw Terminations	Screw Terminations	110 Punch-Down Terminations
Black	—	—	**NS785BK**
Brown	—	—	**NS785**
Gray	—	—	**NS785GY**
Ivory	—	—	—
Light Almond	**NS780LA**	**NS783LA**	**NS785LA**
White	**NS780W**	**NS783W**	**NS785W**

Molded-In Plates

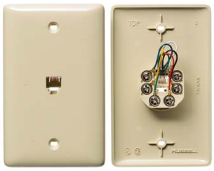
Features

Designed for voice, these devices provide an economical alternative to wall phone outlet placement.

- High impact-resistant thermoplastic wallplate
- Convenient screw down terminals
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Plates for Voice







Description	1-Gang Plate, One RJ11 Jack, 6-Position, 4-Conductor, Screw Terminations		1-Gang Plate, One RJ11 Jack, 6-Position, 6-Conductor, Screw Terminations	1-Gang Plate, Duplex RJ11 Jacks, 6-Position, 4-Conductor, Screw Terminations	
Color	Standard	Mid-Size	Standard	Standard	Mid-Size
Brown	**NS730**	—	**NS732**	—	—
Ivory	**NS730I**	**NS735I**	**NS732I**	**NS744I**	**NS745I**
Light Almond	**NS730LA**	**NS735LA**	**NS732LA**	—	—
White	**NS730W**	**NS735W**	**NS732W**	**NS744W**	**NS745W**

Molded-In Plates for Voice and CATV/Satellite









Description	1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female, One RJ11 Jack, 6-Position, 6-Conductor		1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female, One RJ11 Jack, 6-Position, 4-Conductor	1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female		1-Gang Plate, Duplex F-Type Coupler Bulkhead, Female to Female
Color	Standard	Mid-Size	Standard	Standard	Mid-Size	Standard
Ivory	**NS748I**	**NS755I**	**NS747I**	**NS750I**	**NS751I**	**NS752I**
Light Almond	**NS748LA**	**NS755LA**	**NS747LA**	**NS750LA**	**NS751LA**	—
White	**NS748W**	**NS755W**	**NS747W**	**NS750W**	**NS751W**	**NS752W**



Description	1-Gang Plate, One Cat. 5e 110 Punch-Down One RJ11 Jack, 6-Position, 4-Conductor One F-Type Coupler Bulkhead, Female to Female
Color	Standard
Black	**NS790BK**
Brown	**NS790**
Gray	**NS790GY**
Ivory	**NS790I**
Light Almond	**NS790LA**
White	**NS790W**

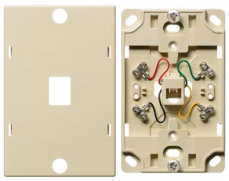
Telephone Wall Jacks

Features

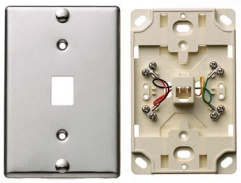
Designed for voice applications, these jacks provide an economical alternative to basic wall mount and performance needs.

- Available in high impact-resistant thermoplastic or stainless steel
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

Telephone Wall Jacks



Description	Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations
Ivory	**NS722I**
White	**NS722W**



Description	Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations
Stainless Steel	**NS726SS**

Features

Telephone surface mount jacks are available in 4 or 6-conductor configurations for voice. Alternatively, multimedia surface mount boxes can be custom loaded for computer and media use.

- High impact-resistant thermoplastic
- Mounts using screws or double sided tape (both included)
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Telephone Surface Mount Jacks







Description	Telephone Surface Mount Jack, 6-Position, 4-Conductor, Screw Terminations	Multimedia 1-Port Surface Mount Box, Jack Not Included	Multimedia 2-Port Surface Mount Box, Jacks Not Included
Black	—	**HSB1BK***	**HSB2BK***
Gray	—	**HSB1GY***	**HSB2GY***
Ivory	**NS760I**	**HSB1EI***	**HSB2EI***
Office White	—	**HSB1OW***	**HSB2OW***
White	**NS760W**	**HSB1W***	**HSB2W***

*Note: *cULus Listed 1863 - Communication Circuit Accessory.*
See pages Y-4 to Y-8 for snap fit multimedia jacks and AV connectors.

Standard UTP Wiring Conventions

Horizontal UTP Cable and Patch Cords

- Solid copper 4-pair #24 or better AWG UTP is specified for distribution cabling. Stranded UTP is specified for patch cords for flexibility. Shielded cable is not commonly used in the U.S. splices and bridge taps are not permitted.
- Cable, connectors and patch cords shall be marked with the performance category. Always match performance categories of cables and components throughout the infrastructure.
- All cable, cords and connecting hardware shall meet performance requirements of ANSI/TIA/EIA-568-C.1 and 568-C.2. Hubbell assures this compliance with all products and cable partners.

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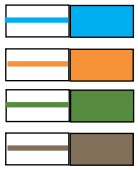
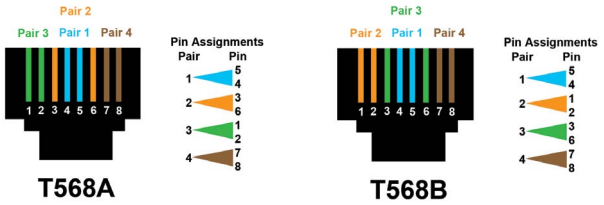


white-blue/blue
white-orange/orange
white-green/green
white-brown/brown

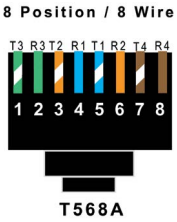
Recognized Connector and Wiring Configurations

- 8-position modular jack/plug.
- 8-position modular panel/plug.
- T568A wiring or T568B wiring options.
- Cat. 5e or Cat. 6 recommended.

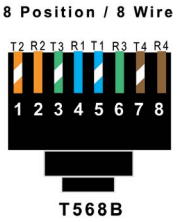


RJ45 - TIA-568 Conventions

Two wiring standards were adopted. Both configurations provide equivalent transmission performance.



- Preferred method
- Directly compatible with 2-pair voice and Token Ring systems utilizing 6-position connectors



- Optional method
- AT&T's standard
- Directly compatible with AT&T phone systems

LAN Wiring Conventions

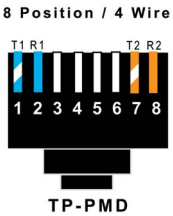
Local Area Network standards designed to operate over UTP specify pin/pair assignments on modular connectors for various signal transmission protocols. While TIA/EIA-568A and 568B conventions support all of these designations, there are some cases where the user chooses to cable only the number of pairs required to support these applications.



- 10 Mbps Ethernet over UTP
- 100 Mbps Ethernet



- 4/16 Mbps Token Ring over copper



- 100 Mbps FDDI over copper (pending)



- 1000 Mbps/10Gb Ethernet over UTP
- Uses all four pairs

SECTION Z

Table of Contents



Decorator Products



USB Charger Receptacles and Outlets



Power Delivery



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Products at a Glance



Decorator Switches

- Smooth, quiet rocker
- Self-grounding feature is standard
- Nightlight version is available
- Ultrasonically welded cover and base
- Operating temperature : -20°C to 60°C
- UL Listed, CSA Certified



Decorator Duplex Receptacles

- Self-grounding feature is standard
- Tamper and weather resistant availability
- Multiple-drive Slot/Phillips/ Robertson head screws
- Nightlight version is available
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified

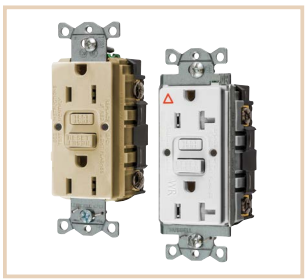


USB Charger Receptacles

- Two USB ports 5 Amp, 5V DC
- Patented Hubbell Tamper-Resistant technology uses cam action shutters
- Standard and Hospital grade
- cULus listed to UL498 and UL1310

4 Port and 2 Port USB Outlets

- Switch activated port door; when open enables power; when closed, all power is switched OFF, for a “zero” no-load draw
- Shallow depth design for two port



GFCI Receptacles

- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output



Passive Infrared Wall Switches and Timers

- Passive infrared technology
- Photocell (WS2000 series)
- No neutral required
- Steel mounting strap
- Compatible with most LED and CFL
- CEC Title 24 and Ashrae 90.1 compliant
- cULus



Modular Snap Fit Jacks

- Customize the jack selections and look
- Molded-In voice/low-speed data, modular snap fit
- AV connectors, standard bulkhead
- AV connectors, recessed



USB Wall Chargers

- Flexible holder to hold phone firmly in place
- Phone can be inserted vertically or horizontally
- Green LED indicates power available and blue LED indicates wireless charging
- Available in combination with 15A or 20A 125V tamperresistant receptacle with USB



Power Delivery

- Hubbell Pop-Up receptacles for countertops provide a power source ideal for kitchen or bath counters and islands
- Round non-metallic floor boxes for concrete floors
- Height adjustable wood floor boxes
- Drop-In floor boxes are perfect for quick and easy installations
- Under cabinet/counter power distribution boxes can also be placed under counter islands or kitchen cabinets
- JLOAD® multimedia outlet Isolates low voltage and power in the same box

Decorator Quiet Rocker Switches

Decorator Products - Smart Style, Good Looks

Residential Decorator Switches and Receptacles provide solid, dependable performance and more. Indeed, they are fashion statements, masterfully complementing the look and feel of any room in any home.

Single Pole Decorator Quiet Rocker Switches

Description	Single Pole	Single Pole, Illuminated	Single Pole, Pilot Light	Single Pole with Nightlight	Single Pole with ON/OFF Marking
Termination	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire
Rating	15A 120-277V AC	15A 120V AC	15A 120V AC	20A 120-277V AC	15A 120-277V AC
Black	**RSD115BK**	—	—	**DS120NLBK****	—
Brown	**RSD115**	—	—	**DS120NLBR****	—
Gray	**RSD115GY**	—	—	**DS120NLGY****	—
Ivory	**RSD115I**	**RSD115ILI***	**RSD115PLI****	**DS120NLIV****	**RSD115IM**
Light Almond	**RSD115LA**	**RSD115ILLA***	**RSD115PLLA****	**DS120NLLA****	**RSD115LAM**
White	**RSD115W**	**RSD115ILW***	**RSD115PLW****	**DS120NLWH****	**RSD115WM**

*Note: *Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.*
***Light glows through the top portion of the rocker when switch is in the OFF position. Requires a neutral wire.*

Double Pole, Three Way and Four Way Decorator Quiet Rocker Switches

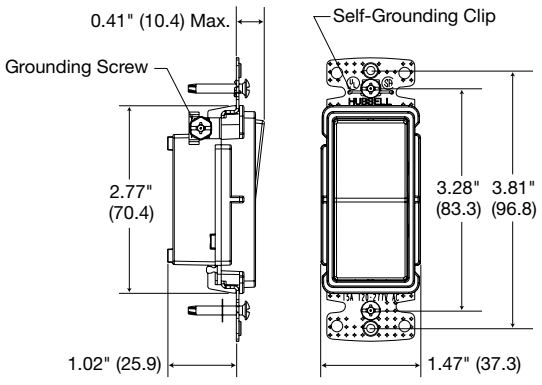
Description	Double Pole	Three Way	Three Way, Illuminated	Four Way
Termination	Self-Grounding, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Back and Side Wire
Rating	15A 120-277V AC	15A 120-277V AC	15A 120V AC	15A 120-277V AC
Black	**RSD215BK**	**RSD315BK**	—	**RSD415BK**
Brown	**RSD215**	**RSD315**	—	**RSD415**
Gray	**RSD215GY**	**RSD315GY**	—	**RSD415GY**
Ivory	**RSD215I**	**RSD315I**	**RSD315ILI***	**RSD415I**
Light Almond	**RSD215LA**	**RSD315LA**	**RSD315ILLA***	**RSD415LA**
White	**RSD215W**	**RSD315W**	**RSD315ILW***	**RSD415W**

*Note: *Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.*

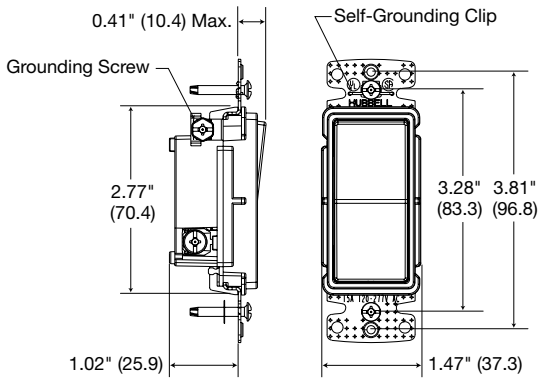
Decorator Weatherproof Series

Description	Color	Catalog Number
Style Line® rocker, weatherproof, self-grounding, 20A, 120/277V AC, back and side wire	Gray	**RSD120WPGY**
	Light Almond	**RSD120WPLA**
	White	**RSD120WPW**

Dimensions



Single Pole Decorator Switch



Three Way Decorator Switch



RSD115W



RSD115PLW



DS120NLWH



RSD115WM



RSD120WPW



RSD215W

Dimensions in Inches (mm)

Decorator Combination Quiet Rocker Switches/Devices



RCD111W



RCD101W



RCD108W



RCD109W



DD100NLWH

Dimensions in Inches (mm)

Features

- Low profile, less than 1 inch deep
- Self-grounding feature is standard
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified

Combination Quiet Rocker Switches/Devices

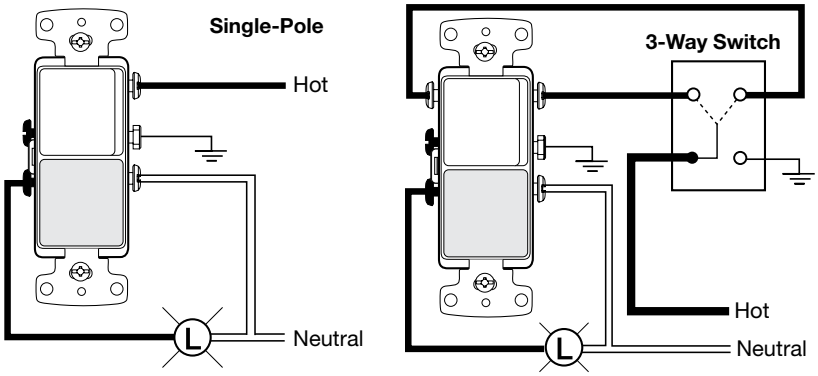
Description	Three (3) Single Pole Switches	Two (2) Single Pole Switches	Single Pole and Three Way Switch	Single Pole Switch, 2 Pole, 3 Wire Receptacle
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120-277V AC	15A 120-277V AC	15A 120-277V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R
Black	—	**RCD101BK**	**RCD103BK**	**RCD108BK**
Gray	—	**RCD101GY**	**RCD103GY**	**RCD108GY**
Ivory	**RCD111I**	**RCD101I**	**RCD103I**	**RCD108I**
Light Almond	**RCD111LA**	**RCD101LA**	**RCD103LA**	**RCD108LA**
White	**RCD111W**	**RCD101W**	**RCD103W**	**RCD108W**

Description	TR* Single Pole Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle	Two (2) Three Way Switches	TR* Three Way Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120-277V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R
Black	**RCD108BKTR**	**RCD303BK**	**RCD308BKTR**
Gray	**RCD108GYTR**	—	**RCD308GYTR**
Ivory	**RCD108ITR**	**RCD303I**	**RCD308ITR**
Light Almond	**RCD108LATR**	**RCD303LA**	**RCD308LATR**
White	**RCD108WTR**	**RCD303W**	**RCD308WTR**

Description	Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb	Three Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb	Nightlight Only
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, 6" Pre-wired Stranded Wire, ½" Stripped Ends
Rating	15A 120V	15A 120V	120V
Ivory	**RCD109I****	**RCD309I****	**DD100NLIV****
Light Almond	**RCD109LA****	**RCD309LA****	**DD100NLLA****
White	**RCD109W****	**RCD309W****	**DD100NLWH****

Note: See page Tech-10 for Tamper-Resistant description.
***Requires neutral wire.*

Pilot Light Wiring Diagram



Decorator Weather Resistant, Tamper-Resistant, Standard and Single Receptacles

Decorator Duplex Receptacles, 2 Pole, 3 Wire

Description	Weather and Tamper-Resistant*	Tamper-Resistant*	Standard
Termination	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Push and Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R
Black	**RRD15SBKWRTR**	**RRD15SBKTR**	**RRD15BK**
Brown	**RRD15SWRTR**	**RRD15STR**	**RRD15**
Gray	**RRD15SGYWRTR**	**RRD15SGYTR**	**RRD15GY**
Ivory	**RRD15SIWRTR**	**RRD15SITR**	**RRD15I**
Light Almond	**RRD15SLAWRTR**	**RRD15SLATR**	**RRD15LA**
White	**RRD15SWWRTR**	**RRD15SWTR**	**RRD15W**



RRD15SWTR

Description	Tamper-Resistant, Nightlight Receptacle*
Termination	Self-Grounding, Two Nightlight Sources for 0.5 Lumens Total, Back and Side Wired
Rating	15A 125V NEMA 5-15R
Black	—
Brown	—
Gray	—
Ivory	**DR15NLIV**
Light Almond	**DR15NLLA**
White	**DR15NLWH**



RRD15SW



DR15NLWH

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.
***100 per case, bulk packed. Mounting screws inserted into strap.*

Decorator Single Receptacles, 2 Pole, 3 Wire

Description	Tamper-Resistant*	Tamper-Resistant*
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 125V NEMA 5-15R	20A 125V NEMA 5-20R
Black	**RRD151BKTR**	**RRD201BKTR**
Brown	**RRD151TR**	**RRD201TR**
Gray	**RRD151GYTR**	**RRD201GYTR**
Ivory	**RRD151ITR**	**RRD201ITR**
Light Almond	**RRD151LATR**	**RRD201LATR**
White	**RRD151WTR**	**RRD201WTR**



RRD151W

Description	Standard	Standard
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 250V NEMA 6-15R	20A 250V NEMA 6-20R
Black	**RRD155BK**	**RRD205BK**
Brown	**RRD155**	**RRD205**
Gray	**RRD155GY**	**RRD205GY**
Ivory	**RRD155I**	**RRD205I**
Light Almond	**RRD155LA**	**RRD205LA**
White	**RRD155W**	**RRD205W**



RRD205W

Note: See page Tech-10 for Tamper-Resistant description.

Weather Resistant Recessed Receptacle with While-In Use Cover

Description	Housing Color	Horizontal Mount	Vertical Mount
Weather and tamper-resistant duplex receptacle with clear while-in-use cover, 15A 125V	Gray	**RW15300GY**	**RW15400GY**
	White	**RW15300W**	**RW15400W**
	Brown	**RW15300BR**	**RW15400BR**



RW15400GY

Dimensions in Inches (mm)

Features and Benefits

USB Charger Receptacles and Outlets

More Ways to Charge Faster with Hubbell's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Hubbell's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

The 4 Port and 2 Port Charger Outlet feature a USB port door, which when open enables power. When closed, all power is switched OFF. This eliminates all current flow for a "zero" no-load draw. Buildings looking to provide 100% green efficiency in power delivery will maximize LEED and energy efficient design.

Common Features

- LED ON to indicate USB and line voltage power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products



USB15AC5W



USB4ACW



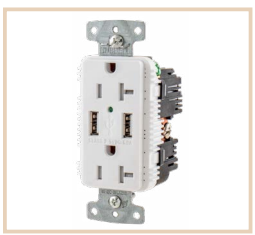
Type-C USB Charger

- Two Type-C port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle



Type A&C USB Charger

- One Type A and one Type-C port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle



Type A USB Charger

- Two Type A port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle



USB Wall Chargers

- Flexible holder to hold phone firmly in place
- Phone can be inserted vertically or horizontally
- Green LED indicates power available and blue LED indicates wireless charging
- Available in combination with 15A or 20A 125V tamperresistant receptacle with USB



Weather Resistant Type A&C USB Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Power indicating green LED light



4 Port USB Charger

- 4 Port outlet, 5 Amp, 5V DC, Type-C, Type A&C and Type A class 2.0
- Switch activated port door; when open enables power. When closed, all power is switched off, for a "zero" no-load draw



Switch Combo Outlets

- Two USB ports 2.1 Amp, 5 Volt DC, Type A, class 2.0
- Isolated 15 Amp, 120V AC single pole/ 3-way switch

Apple® is a registered trademark of Apple Inc.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

USB Charger Receptacles and Outlets

Wireless Chargers

Description	Color	Rating	Receptacle	Catalog Number
Wireless wall mount phone charger	White	Coil: 7.5 watt inductive, 125V AC input	–	**USB1518**



USB1518

Combination Wireless Chargers

Description	Color	Rating	Receptacle	Catalog Number
Combination wireless wall mount phone charger, inductive coil with USB Type A&C ports, and tamper-resistant receptacle	White	Coil: 7.5 watt inductive, USB: 5A 5V DC Input: 125V AC	15A 125V 20A 125V	**USB1528AC** **USB2028AC**



USB1528AC

Standard USB Charger Tamper-Resistant Duplex Receptacles

15A 125V NEMA 5-15R UL/CSA

20A 125V NEMA 5-20R UL/CSA

Description	Color	15A 125V	20A 125V
Type-C USB Charger Receptacle, two Type-C port configurations, high power 5 Amp, 5 Volt USB output.	Black	**USB15C5BK**	**USB20C5BK**
	Brown	**USB15C5**	**USB20C5**
	Gray	**USB15C5GY**	**USB20C5GY**
	Ivory	**USB15C5I**	**USB20C5I**
	Light Almond	**USB15C5LA**	**USB20C5LA**
	White	**USB15C5W**	**USB20C5W**
Type A&C USB Charger Receptacle, one Type A and one Type-C port configuration, high power 5 Amp, 5 Volt USB output.	Black	**USB15AC5BK**	**USB20AC5BK**
	Brown	**USB15AC5**	**USB20AC5**
	Gray	**USB15AC5GY**	**USB20AC5GY**
	Ivory	**USB15AC5I**	**USB20AC5I**
	Light Almond	**USB15AC5LA**	**USB20AC5LA**
	White	**USB15AC5W**	**USB20AC5W**
Type A USB Charger Receptacle, two Type A port configurations, high power 5 Amp, 5 Volt USB output.	Black	**USB15A5BK**	**USB20A5BK**
	Brown	**USB15A5**	**USB20A5**
	Gray	**USB15A5GY**	**USB20A5GY**
	Ivory	**USB15A5I**	**USB20A5I**
	Light Almond	**USB15A5LA**	**USB20A5LA**
	White	**USB15A5W**	**USB20A5W**



USB15C5W



USB15AC5W

Note: See page Tech-10 for Tamper-Resistant description.
See section L for Hospital grade series.

4 Port USB Charger Outlets

Intertek

Description	Color	4 Type A ports	2 Type A and 2 Type-C ports	4 Type-C ports
USB Charger Outlets, 4 USB ports, 5 Amp, 5 Volt DC, Style Line® decorator.	Black	**USB4BK**	**USB4ACBK**	**USB4CBK**
	Brown	**USB4**	**USB4AC**	**USB4C**
	Gray	**USB4GY**	**USB4ACGY**	**USB4CGY**
	Ivory	**USB4I**	**USB4ACI**	**USB4CI**
	Light Almond	**USB4LA**	**USB4ACLA**	**USB4CLA**
	White	**USB4W**	**USB4ACW**	**USB4CW**



USB20A5W



USB102W

Switch Combo Outlets

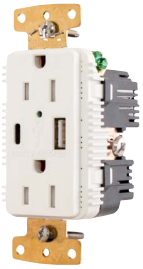
Description	Color	Catalog Number
Switch Combo Outlet, two USB type 2.0 ports, 2.1 Amp, 5 Volt DC, Style Line® decorator	Black	**USB102BK**
	Brown	**USB102**
	Gray	**USB102GY**
	Ivory	**USB102I**
	Light Almond	**USB102LA**
	White	**USB102W**



USB4ACW

Weather Resistant USB Charger Duplex Receptacles

Description	Color	15A 125V	20A 125V
Type A&C USB Charger Receptacle, One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant USB ports rated 10,000 cycles; Commercial Grade	Black	**USB15AC5BKWR**	**USB20AC5BKWR**
	Brown	**USB15AC5WR**	**USB20AC5WR**
	Gray	**USB15AC5GYWR**	**USB20AC5GYWR**
	Ivory	**USB15AC5IWR**	**USB20AC5IWR**
	Light Almond	**USB15AC5LAWR**	**USB20AC5LAWR**
	White	**USB15AC5WWR**	**USB20AC5WWR**



USB15AC5WWR

Note: Outdoor circuits should be GFCI protected per national and local electric codes.

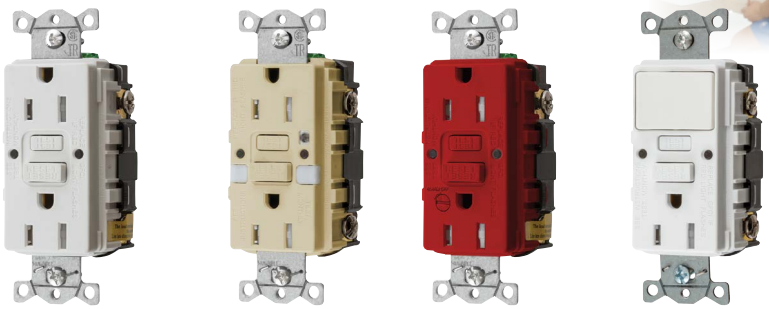
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

GFCI Receptacles with Auto Grounding

Features

- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output





Tamper-Resistant

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Combination Switch 15A 120V Switch
15A 125V NEMA 5-15R UL CSA 0.5 HP	Almond	**GFTRST15AL**	**GFTRST15ALNL**	**GFTRST15ALB**	—
	Black	**GFTRST15BK**	**GFTRST15BKNL**	**GFTRST15BKB**	—
	Brown	**GFTRST15**	**GFTRST15NL**	**GFTRST15B**	—
	Gray	**GFTRST15GY**	**GFTRST15GYNL**	**GFTRST15GYB**	—
	Ivory	**GFTRST15I**	**GFTRST15INL**	**GFTRST15IB**	**GFSPST15I**
	Light Almond	**GFTRST15LA**	**GFTRST15LANL**	**GFTRST15LAB**	**GFSPST15LA**
	Red	**GFTRST15R**	**GFTRST15RNL**	**GFTRST15RB**	—
	White	**GFTRST15W**	**GFTRST15WNL**	**GFTRST15WB**	**GFSPST15W**
20A 125V NEMA 5-20R UL CSA 1 HP	Almond	**GFTRST20AL**	**GFTRST20ALNL**	**GFTRST20ALB**	—
	Black	**GFTRST20BK**	**GFTRST20BKNL**	**GFTRST20BKB**	—
	Brown	**GFTRST20**	**GFTRST20NL**	**GFTRST20B**	—
	Gray	**GFTRST20GY**	**GFTRST20GYNL**	**GFTRST20GYB**	—
	Ivory	**GFTRST20I**	**GFTRST20INL**	**GFTRST20IB**	—
	Light Almond	**GFTRST20LA**	**GFTRST20LANL**	**GFTRST20LAB**	—
	Red	**GFTRST20R**	**GFTRST20RNL**	**GFTRST20RB**	—
	White	**GFTRST20W**	**GFTRST20WNL**	**GFTRST20WB**	—



Tamper-Resistant Weather Resistant

Rating	Color	Standard	Isolated Ground
15A 125V NEMA 5-15R UL CSA 0.5 HP	Almond	**GFTWRST15AL**	**GFTWRST15ALIG**
	Black	**GFTWRST15BK**	**GFTWRST15BKIG**
	Brown	**GFTWRST15**	**GFTWRST15IG**
	Gray	**GFTWRST15GY**	**GFTWRST15GYIG**
	Ivory	**GFTWRST15I**	**GFTWRST15IIG**
	Light Almond	**GFTWRST15LA**	**GFTWRST15LAIG**
	Red	**GFTWRST15R**	**GFTWRST15RIG**
	White	**GFTWRST15W**	**GFTWRST15WIG**
20A 125V NEMA 5-20R UL CSA 1 HP	Almond	**GFTWRST20AL**	**GFTWRST20ALIG**
	Black	**GFTWRST20BK**	**GFTWRST20BKIG**
	Brown	**GFTWRST20**	**GFTWRST20IG**
	Gray	**GFTWRST20GY**	**GFTWRST20GYIG**
	Ivory	**GFTWRST20I**	**GFTWRST20IIG**
	Light Almond	**GFTWRST20LA**	**GFTWRST20LAIG**
	Red	**GFTWRST20R**	**GFTWRST20RIG**
	White	**GFTWRST20W**	**GFTWRST20WIG**

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.
See section K for complete Hubbell GFCI offering.

Recessed Receptacles and AV Wallboxes

Hubbell has solutions for residential environments where wire management is a concern. Products sit flush against the wall and are available in multiple colors, creating an aesthetically pleasing look. Large connectors and cables are held securely and bundled together neatly. Wires are concealed behind the wall and out of view. Snap Fit options are used for customizing your connections.



Recessed Receptacle with Feed-Through

Metal Wallbox with Divider

Features

Receptacles

- Snap Fit is configurable to accommodate multiple connectors such as: HDMI, AV and Voice/Low-speed data
- Feed-through options allows you to make direct connections

Boxes

- Available in plastic or metal boxes to accommodate local building requirements

Recessed Receptacles



RR1510I



RR1512I



RR1514I

Color	15A 125V, Tamper-Resistant Duplex Receptacle		
	1-Gang	2-Gang with Feed-Through	2-Gang with Snap Fit
Ivory	**RR1510I**	**RR1512I**	**RR1514I**
Light Almond	**RR1510LA**	**RR1512LA**	**RR1514LA**
White	**RR1510W**	**RR1512W**	**RR1514W**

Feed-Through Plates



NSAV1I

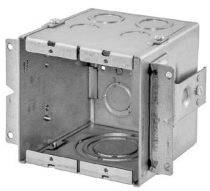


NSAV2I

Color	1-Gang	2-Gang
Ivory	**NSAV1I***	**NSAV2I***
White	**NSAV1W***	**NSAV2W***

*Note: *Not UL Listed.*

Two and Three Gangable AV Wallboxes



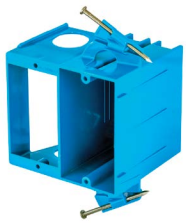
HBL985



HBL986



HBL989



RR1500

Box	Dimensions			Top Knockouts	Bottom Knockouts	Back Knockouts	Catalog Number
	Height	Width	Depth				
2-Gang, 2" KO, 54 in³ capacity	4.21" (107)	4.06" (103)	4.0" (102)	(2) ½" (2) ½" – ¾" TKO*	(1) 1", 1¼", 1½" and 2"	(2) ½" – ¾" TKO	**HBL985**
3-Gang, 2" KO, 79 in³ capacity	4.21" (107)	5.87" (149)	4.0" (102)	(3) ½" (3) ½" – ¾" TKO*	(1) ½", (1) ½" – ¾" TKO* (1) 1", 1¼", 1½" and 2"	(3) ½" – ¾" TKO	**HBL986**

*Note: *TKO (Tangential Knockout).*

Wallbox

Description	Color	Catalog Number
2-Gang, nail-on box, thermoplastic	Blue	**RR1500**

Low Voltage AV Wallbox Partitions

Compatible With	Description	Quantity	Catalog Number
HBL985 and HBL986	Solid divider	1	**HBL989**
	With pass-through capability	1	**HBL989AVD**

Dimensions in Inches (mm)

Decorator Frames and Modular Snap Fit Jacks

Decorator Frames









Color	1-Gang, 1-Port	1-Gang, 2-Port	1-Gang, 3-Port	1-Gang, 4-Port	1-Gang, 6-Port	1-Gang, Adapter .406" (10.30) Dia. Hole*	1-Gang, Adapter Blank**
Black	**NS611BK**	**NS612BK**	**NS613BK**	**NS614BK**	**NS616BK**	—	**NS620BK**
Gray	**NS611GY**	**NS612GY**	**NS613GY**	**NS614GY**	**NS616GY**	—	**NS620GY**
Ivory	**NS611I**	**NS612I**	**NS613I**	**NS614I**	**NS616I**	**NS621I**	**NS620I**
Light Almond	**NS611LA**	**NS612LA**	**NS613LA**	**NS614LA**	**NS616LA**	**NS621LA**	**NS620LA**
White	**NS611W**	**NS612W**	**NS613W**	**NS614W**	**NS616W**	**NS621W**	**NS620W**

*Note: *For use with rotary dimmers or to pull through AV or telephone cable.*
***To fill an extra decorator opening or to create customized openings.*

Molded-In Voice/Low-Speed Data - Modular Snap Fit





Color	Category 6 Jack (single)	Category 6 Jack (25 pack)	Category 5e Jack (single)	Category 5e Jack (25 pack)	USOC Jack (single)
Black	**NSJ6BK**	**NSJ6BK25**	**NSJ5EBK**	**NSJ5EBK25**	**NSJUBK**
Blue	**NSJ6B**	**NSJ6B25**	**NSJ5EB**	**NSJ5EB25**	**NSJUB**
Gray	**NSJ6GY**	**NSJ6GY25**	**NSJ5EGY**	**NSJ5EGY25**	**NSJUGY**
Green	**NSJ6GN**	**NSJ6GN25**	**NSJ5EGN**	**NSJ5EGN25**	**NSJUGN**
Ivory	**NSJ6I**	**NSJ6I25**	**NSJ5EI**	**NSJ5EI25**	**NSJUI**
Light Almond	**NSJ6LA**	**NSJ6LA25**	**NSJ5ELA**	**NSJ5ELA25**	**NSJULA**
Orange	**NSJ6OR**	**NSJ6OR25**	**NSJ5EOR**	**NSJ5EOR25**	**NSJUOR**
Red	**NSJ6R**	**NSJ6R25**	**NSJ5ER**	**NSJ5ER25**	**NSJUR**
White	**NSJ6W**	**NSJ6W25**	**NSJ5EW**	**NSJ5EW25**	**NSJUW**
Yellow	**NSJ6Y**	**NSJ6Y25**	**NSJ5EY**	**NSJ5EY25**	**NSJUY**

HDMI 1.4 Connectors



Color	HDMI Keystone Feed-Through for IMB and ISFB Series
Black	**SFHC14BK**
White	**SFHC14W**

Audio/Video Connectors - Standard Bulkhead









Color	Nickel F-Type Coupler Bulkhead, Female to Female	Gold F-Type Coupler Bulkhead, Female to Female	RCA Gold Pass-Through, Female to Female, Red Interior	RCA Gold Pass-Through, Female to Female, White Interior	RCA Gold Pass-Through, Female to Female, Yellow Interior	RCA Gold Pass-Through, Female to Female, Blue Interior	RCA Gold Pass-Through, Female to Female, Green Interior
Black	**NSF70BK**	**SFFGBK**	**SFRCRFFBK**	**SFRCWFFBK**	**SFRCYFFBK**	**SFRCBFFBK**	**SFRCGNFFBK**
Gray	**NSF70GY**	**SFFGGY**	**SFRCRFFGY**	**SFRCWFFGY**	**SFRCYFFGY**	**SFRCBFFGY**	**SFRCGNFFGY**
Ivory	**NSF70I**	**SFFGEI**	**SFRCRFFEI**	**SFRCWFFEI**	**SFRCYFFEI**	**SFRCBFFEI**	**SFRCGNFFEI**
Light Almond	**NSF70LA**	**SFFGLA**	**SFRCRFFLA**	**SFRCWFFLA**	**SFRCYFFLA**	**SFRCBFFLA**	**SFRCGNFFLA**
White	**NSF70W**	**SFFGW**	**SFRCRFFW**	**SFRCWFFW**	**SFRCYFFW**	**SFRCBFFW**	**SFRCGNFFW**

Audio/Video Connectors - Recessed









Color	Gold F-Type Coupler Bulkhead, Female to Female	RCA Gold Pass-Through, Female to Female, Red Interior	RCA Gold Pass-Through, Female to Female, White Interior	RCA Gold Pass-Through, Female to Female, Yellow Interior	RCA Gold Pass-Through, Female to Female, Blue Interior	RCA Gold Pass-Through, Female to Female, Green Interior	Blank Insert
Black	**SFGRFBK**	**SFRCRRBK**	**SFRCWRBK**	**SFRCYRBK**	**SFRCBRBK**	**SFRCGNRBK**	**SFSBBK10***
Gray	**SFGRFGY**	**SFRCRRGY**	**SFRCWRGY**	**SFRCYRGY**	**SFRCBRGY**	**SFRCGNRGY**	**SFSBGY10***
Ivory	**SFGRFEI**	**SFRCRREI**	**SFRCWREI**	**SFRCYREI**	**SFRCBREI**	**SFRCGNREI**	**SFSBEI10***
Light Almond	**SFGRFLA**	**SFRCRRLA**	**SFRCWRLA**	**SFRCYRLA**	**SFRCBRLA**	**SFRCGNRLA**	**SFSBLA10***
White	**SFGRFW**	**SFRCRRW**	**SFRCWRW**	**SFRCYRW**	**SFRCBRW**	**SFRCGNRW**	**SFSBW10***

*Note: *Sold in a package of 10. Order 1 to receive a bag of 10 blanks.*

Dimensions in Inches (mm)

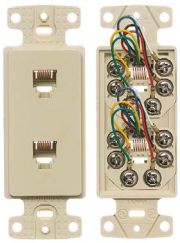
Molded-In Voice/Data/Video

Features

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate.

- High impact-resistant thermoplastic frame
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

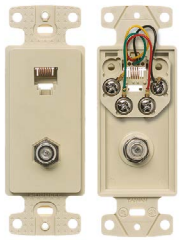
Description	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor	Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor	Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor	Decorator Frame, One Cat. 5e One RJ11 Jack, 6-Position, 4-Conductor
Termination	Screw Terminations	Screw Terminations	Screw Terminations	110 Punch-Down
				
Color				
Black	**NS770BK**	—	—	**NS784BK**
Brown	**NS770**	**NS771**	—	**NS784**
Gray	**NS770GY**	—	—	**NS784GY**
Ivory	**NS770I**	**NS771I**	**NS772I**	**NS784I**
Light Almond	**NS770LA**	**NS771LA**	**NS772LA**	**NS784LA**
White	**NS770W**	**NS771W**	**NS772W**	**NS784W**

Features

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame
- Jacks meet FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

Description	Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One Cat. 5e One F-Type Coupler Bulkhead, Female to Female
Termination	Screw Terminations	Screw Terminations	110 Punch-Down
			
Color			
Black	—	—	**NS785BK**
Brown	—	—	**NS785**
Gray	—	—	**NS785GY**
Ivory	**NS780I**	**NS783I**	**NS785I**
Light Almond	**NS780LA**	**NS783LA**	**NS785LA**
White	**NS780W**	**NS783W**	**NS785W**

Dimensions in Inches (mm)

Plastic and Metal Wallplates

More Style In a Snap

Snap-on wallplates offer a clean, elegant look that can be installed in seconds. Screw the mounting plate onto the device and press the snap-on cover into place. Snaps securely hold the cover to the sub-plate.

- Clean, elegant look
- No visible screws
- Snap-on cover plate completely covers sub-plate eliminating dirt build-up around the edges
- Snap-on cover plate hides any paint or scratches on sub-plate caused during installation
- Appearance is consistent with other Hubbell wallplates
- Meets UL and CSA standards

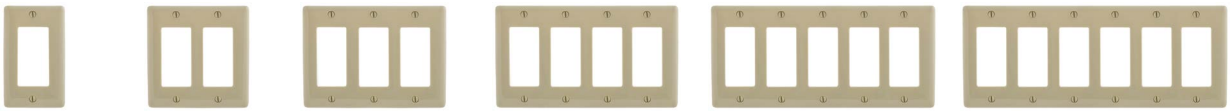


Snap-On Wallplates



Color	1-Gang, 1-Decorator	1-Gang, 1-Duplex	1-Gang, 1-Toggle	2-Gang, 2-Decorator	2-Gang, 2-Toggle	3-Gang, 3-Decorator	3-Gang, 3-Toggle	4-Gang, 4-Decorator
Ivory	**NPS26I**	**NPS8I**	**NPS1I**	**NPS262I**	**NPS2I**	**NPS263I**	**NPS3I**	**NPS264I**
Light Almond	**NPS26LA**	**NPS8LA**	**NPS1LA**	**NPS262LA**	**NPS2LA**	**NPS263LA**	**NPS3LA**	**NPS264LA**
White	**NPS26W**	**NPS8W**	**NPS1W**	**NPS262W**	**NPS2W**	**NPS263W**	**NPS3W**	**NPS264W**

Decorator, Screw-On, Standard, Nylon Wallplates



Color	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator
Black	**NP26BK**	**NP262BK**	**NP263BK**	**NP264BK**	**NP265BK**	**NP266BK**
Brown	**NP26**	**NP262**	**NP263**	**NP264**	**NP265**	**NP266**
Gray	**NP26GY**	**NP262GY**	**NP263GY**	**NP264GY**	**NP265GY**	**NP266GY**
Ivory	**NP26I**	**NP262I**	**NP263I**	**NP264I**	**NP265I**	**NP266I**
Light Almond	**NP26LA**	**NP262LA**	**NP263LA**	**NP264LA**	**NP265LA**	**NP266LA**
White	**NP26W**	**NP262W**	**NP263W**	**NP264W**	**NP265W**	**NP266W**

Decorator, Screw-On, Mid-Size, Nylon Wallplates

Color	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator
Black	**NPJ26BK**	**NPJ262BK**	**NPJ263BK**	**NPJ264BK**	—	—
Brown	**NPJ26**	**NPJ262**	**NPJ263**	**NPJ264**	—	—
Gray	**NPJ26GY**	**NPJ262GY**	**NPJ263GY**	**NPJ264GY**	—	—
Ivory	**NPJ26I**	**NPJ262I**	**NPJ263I**	**NPJ264I**	—	—
Light Almond	**NPJ26LA**	**NPJ262LA**	**NPJ263LA**	**NPJ264LA**	—	—
White	**NPJ26W**	**NPJ262W**	**NPJ263W**	**NPJ264W**	—	—

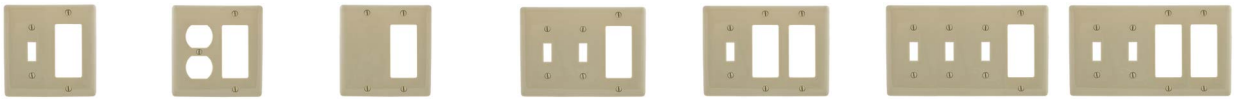
Decorator, Screw-On, Mid-Size, Metal Wallplates

Material	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator
Brass	**SB26**	**SB262**	—	—	—	—
Brass Plated	**SBP26**	**SBP262**	**SBP263**	—	—	—
Chrome	**SCH26**	**SCH262**	—	—	—	—
S/S 302/304	**SS26**	**SS262**	**SS263**	**SS264**	**SS265**	**SS266**
S/S 430	**SS26L**	**SS262L**	—	—	—	—

Note: See section O for complete selection of wallplates.

Combination Wallplates

Combination, Nylon, Standard Wallplates



Color	2-Gang, 1-Toggle 1-Decorator	2-Gang, 1-Duplex, 1-Decorator	2-Gang, 1-Blank Box Mount 1-Decorator	3-Gang, 2-Toggle 1-Decorator	3-Gang, 1-Toggle 2-Decorator	4-Gang, 3-Toggle 1-Decorator	4-Gang, 2-Toggle 2-Decorator
Black	**NP126BK**	**NP826BK**	**NP1326BK**	**NP226BK**	**NP1262BK**	**NP326BK**	**NP2262BK**
Brown	**NP126**	**NP826**	**NP1326**	**NP226**	**NP1262**	**NP326**	**NP2262**
Gray	**NP126GY**	**NP826GY**	**NP1326GY**	**NP226GY**	**NP1262GY**	**NP326GY**	**NP2262GY**
Ivory	**NP126I**	**NP826I**	**NP1326I**	**NP226I**	**NP1262I**	**NP326I**	**NP2262I**
Light Almond	**NP126LA**	**NP826LA**	**NP1326LA**	**NP226LA**	**NP1262LA**	**NP326LA**	**NP2262LA**
White	**NP126W**	**NP826W**	**NP1326W**	**NP226W**	**NP1262W**	**NP326W**	**NP2262W**

Combination, Nylon, Mid-Size Wallplates

Color	2-Gang, 1-Toggle 1-Decorator	2-Gang, 1-Duplex, 1-Decorator	2-Gang, 1-Blank Box Mount 1-Decorator	3-Gang, 2-Toggle 1-Decorator	3-Gang, 1-Toggle 2-Decorator	4-Gang, 3-Toggle 1-Decorator	4-Gang, 2-Toggle 2-Decorator
Black	**NPJ126BK**	**NPJ826BK**	—	**NPJ226BK**	—	—	—
Brown	**NPJ126**	**NPJ826**	**NPJ1326**	**NPJ226**	—	—	—
Gray	**NPJ126GY**	**NPJ826GY**	—	**NPJ226GY**	—	—	—
Ivory	**NPJ126I**	**NPJ826I**	**NPJ1326I**	**NPJ226I**	—	—	—
Light Almond	**NPJ126LA**	**NPJ826LA**	**NPJ1326LA**	**NPJ226LA**	—	—	—
White	**NPJ126W**	**NPJ826W**	**NPJ1326W**	**NPJ226W**	—	—	—

Combination, Standard, Metal Wallplates

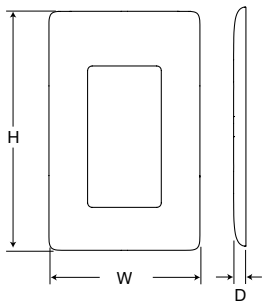


Material	2-Gang, 1-Toggle 1-Decorator	2-Gang, 1-Duplex, 1-Decorator	2-Gang, 1-Blank Strap Mount 1-Decorator	3-Gang, 2-Toggle 1-Decorator	3-Gang, 1-Toggle 2-Decorator	4-Gang, 3-Toggle 1-Decorator	4-Gang, 2-Toggle 2-Decorator
Brass	**SB126**	**SB826**	—	—	—	—	—
Brass Plated	**SBP126**	—	—	—	—	—	—
Chrome	—	—	—	—	—	—	—
SS 302/304	**SS126**	**SS826**	**SS1426**	**SS226**	—	**SS326**	—
SS 430	**SS126L**	—	—	—	—	—	—

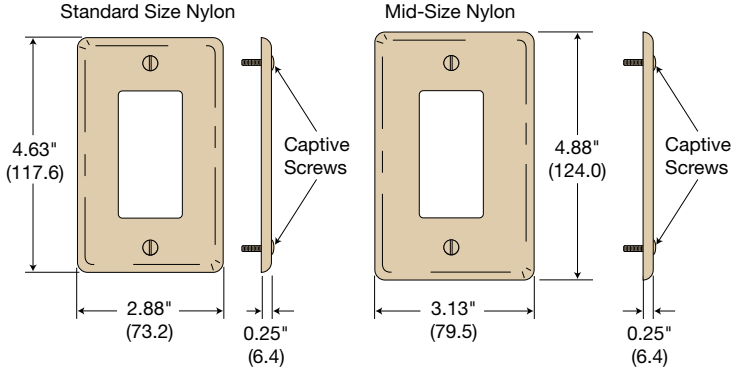
Note: See section O for complete selection of wallplates.

Dimensions

Snap-On Cover Plate



Gang	Height (H)	Width (W)	Depth (D)
1	4.75" (120.6)	3.00" (76.2)	.25" (6.2)
2	4.75" (120.6)	4.81" (122.2)	.25" (6.2)
3	4.75" (120.6)	6.62" (168.2)	.25" (6.2)
4	4.75" (120.6)	8.44" (214.3)	.25" (6.2)



Dimensions in Inches (mm)

Toggle Switches

Features

Standard toggle switches provide the basic ON/OFF control for home lighting and appliances.

- Tough thermoplastic with ultrasonically welded cover and base
- Elongated strap for easier wall box mounting
- Quiet snap action mechanism
- Multiple-drive Slot/Phillips/Robertson head screws
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified



RS115W

Single Pole Toggle Switches

Description	Single Pole	Single Pole, Illuminated
Termination	Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire
Rating	15A 120V AC	15A 120V AC
		
Color		
Clear	—	**RS115ILC**
Black	**RS115BK**	—
Brown	**RS115**	—
Ivory	**RS115I**	**RS115ILI***
Light Almond	**RS115LA**	**RS115ILLA***
White	**RS115W**	**RS115ILW***

*Note: *Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.*

Three and Four Way Toggle Switches

Description	Three Way	Three Way, Illuminated	Four Way
Termination	Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V AC	15A 120V AC
			
Color			
Clear	—	**RS315ILC**	—
Black	**RS315BK**	—	—
Brown	**RS315**	—	**RS415**
Ivory	**RS315I**	**RS315ILI***	**RS415I**
Light Almond	**RS315LA**	**RS315ILLA***	**RS415LA**
White	**RS315W**	**RS315ILW***	**RS415W**

*Note: *Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.*

Dimensions in Inches (mm)

Combination Switches/Devices

Features

Mini-toggles provide for multiple switches in a compact single gang. Maximize control while maintaining function and appearance.

- Low profile, less than 1 inch
- Self-grounding feature is standard
- Combination devices provide compact switches in a single-gang opening
- Smooth toggle action
- Multiple-drive Slot/Phillips/Robertson head screws
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified



RC108I

Combination Toggle Switches/Devices

Description	Two (2) Single Pole Switches	Single Pole Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle	Single Pole Switch, 2 Pole, 3 Wire, Receptacle	Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb*
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V AC
				
Color				
Brown	**RC101**	**RC108TR**	**RC108**	**RC109**
Ivory	**RC101I**	**RC108ITR**	**RC108I**	**RC109I**
Light Almond	**RC101LA**	**RC108LATR**	**RC108LA**	**RC109LA**
White	**RC101W**	**RC108WTR**	**RC108W**	**RC109W**

Note: See page Tech-10 for Tamper-Resistant description.
**Neutral required for pilot light, see page Z-4 for wiring diagram.*

Combination Toggle Switches/Devices

Description	Single Pole and Three Way Switch	Two (2) Three Way Switches	Three Way Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle	Three Way Switch, 2 Pole, 3 Wire, Receptacle	Three Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb*
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V AC
					
Color					
Brown	**RC103**	**RC303**	**RC308TR**	**RC308**	**RC309**
Ivory	**RC103I**	**RC303I**	**RC308ITR**	**RC308I**	**RC309I**
Light Almond	**RC103LA**	**RC303LA**	**RC308LATR**	—	—
White	**RC103W**	**RC303W**	**RC308WTR**	**RC308W**	**RC309W**

Note: See page Tech-10 for Tamper-Resistant description.
**Neutral required for pilot light, see page Z-4 for wiring diagram.*

Dimensions in Inches (mm)

XClamp and Duplex Receptacles

Features

- Eliminates the need to loop the wire
- External back-wire clamp for fast and easy installation of 15A & 20A branch circuits in residential applications
- Compression plates maximize holding power to provide a stronger, more secure connection
- Terminate up to 8 wires
- Accomodates #12 & #14 AWG wire
- Break-off tabs for switched receptacle applications
- Tamper-resistant shutter complies with NEC®

Best Solution for Residential 15A & 20A Branch Circuit Wiring

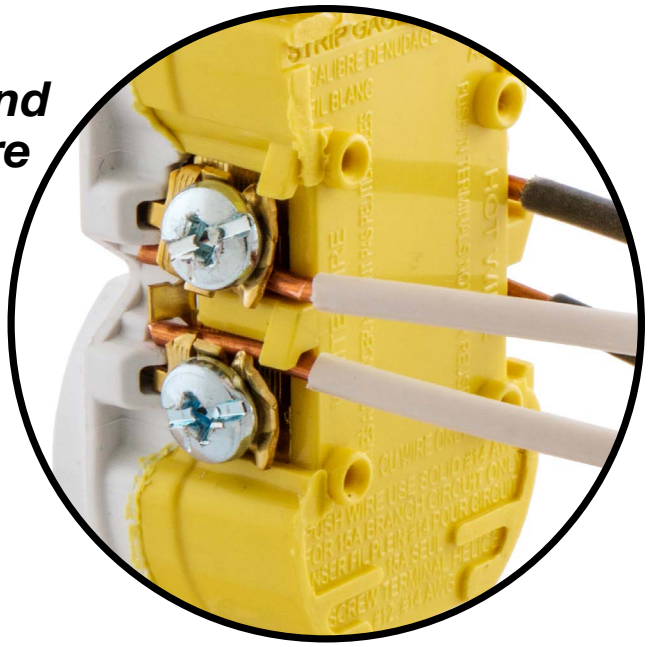
XCLAMP
External Clamping

1 **Strip** the wire

2 **Insert** the wire

3 **Clamp** the connection

Fast and Secure





RR15SWTRX

XClamp Duplex Receptacles

Description	Color	Catalog Number
Tamper-Resistant, 15A 125V, 2 Pole, 3 Wire Grounding, 20A Circuit Rated	Ivory	**RR15SITRX**
	Light Almond	**RR15SLATRX**
	White	**RR15SWTRX**

Listings

UL listed to UL498 File No. E2186
Certified to CSA C22.2, No. 42
NEMA® WD-6 Compliant



RR15W



RR15QW

Duplex Receptacles, 2 Pole, 3 Wire

Description	TR Tamper-Resistant, Quick Thread	Standard	WR TR Weather and Tamper-Resistant	TR Tamper-Resistant
Termination	Self-Grounding, Push and Side Wire	Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R
Black	—	**RR15BK**	**RR15SBKWRTR**	**RR15SBKTR**
Brown	—	**RR15**	**RR15SWRTR**	**RR15STR**
Gray	—	—	**RR15SGYWRTR**	—
Ivory	**RR15QITR**	**RR15I**	**RR15SIWRTR**	**RR15SITR**
Light Almond	**RR15QLATR**	**RR15LA**	**RR15SLAWRTR**	**RR15SLATR**
White	**RR15QWTR**	**RR15W**	**RR15SWWRTR**	**RR15SWTR**

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Singles, Range and Dryer Power Receptacles and Plugs

Single Receptacles, 2 Pole, 3 Wire

Description	Weather and Tamper-Resistant	Tamper-Resistant	Standard	Weather Resistant	Standard
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 250V NEMA 6-15R	15A 250V NEMA 6-15R
Black	**RR151BKWRTR**	**RR151BKTR**	**RR151BK**	**RR155BKWR**	**RR155BK**
Brown	**RR151WRTR**	**RR151TR**	**RR151**	**RR155WR**	**RR155**
Gray	**RR151GYWRTR**	**RR151GYTR**	**RR151GY**	**RR155GYWR**	**RR155GY**
Ivory	**RR151IWRTR**	**RR151ITR**	**RR151I**	**RR155IWR**	**RR155I**
Light Almond	**RR151LAWRTR**	**RR151LATR**	**RR151LA**	**RR155LAWR**	**RR155LA**
White	**RR151WWRTR**	**RR151WTR**	**RR151W**	**RR155WWR**	**RR155W**



RR151W

Description	Weather and Tamper-Resistant	Tamper-Resistant	Standard	Weather Resistant	Standard
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R	20A 250V NEMA 6-20R	20A 250V NEMA 6-20R
Black	**RR201BKWRTR**	**RR201BKTR**	**RR201BK**	**RR205BKWR**	**RR205BK**
Brown	**RR201WRTR**	**RR201TR**	**RR201**	**RR205WR**	**RR205**
Gray	**RR201GYWRTR**	**RR201GYTR**	**RR201GY**	**RR205GYWR**	**RR205GY**
Ivory	**RR201IWRTR**	**RR201ITR**	**RR201I**	**RR205IWR**	**RR205I**
Light Almond	**RR201LAWRTR**	**RR201LATR**	**RR201LA**	**RR205LAWR**	**RR205LA**
White	**RR201WWRTR**	**RR201WTR**	**RR201W**	**RR205WWR**	**RR205W**



RR201W

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.

Range and Dryer Power Receptacles



RR430FW

Description	30A 125/250V NEMA 14-30R UL/CSA	50A 125/250V NEMA 14-50R UL/CSA	30A 125/250V NEMA 10-30R UL/CSA	50A 125/250V NEMA 10-50R UL/CSA
	Flush Mount for 1- or 2-Gang Box	Flush Mount for 1- or 2-Gang Box	Flush Mount for 1- or 2-Gang Box	Flush Mount for 1- or 2-Gang Box
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	30A 125/250V 3 Pole, 3 Wire without Ground	50A 125/250V 3 Pole, 3 Wire without Ground
Black	**RR430F**	**RR450F**	**RR330F***	**RR350F***
White	**RR430FW**	**RR450FW**	—	—



RR450

Description	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	30A 125/250V 3 Pole, 3 Wire without Ground	50A 125/250V 3 Pole, 3 Wire without Ground
Black	**RR430**	**RR450**	**RR330***	**RR350***

Description	Panel Mount	Panel Mount	Panel Mount	Panel Mount
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	—	—
Black	**RR430PM**	**RR450PM**	—	—



RR430PM

*Note: *For replacement use only.*

Range and Dryer Power Angled Plugs

Description	30A 125/250V NEMA 14-30R UL/CSA; 50A 125/250V NEMA 14-50R UL/CSA	30A 125/250V NEMA 10-30R UL/CSA; 50A 125/250V NEMA 10-50R UL/CSA
	With Interchangeable Blades for 30 or 50 Amp	With Interchangeable Blades for 30 or 50 Amp
Rating	30/50A 125/250V 3 Pole, 4 Wire with Ground	30/50A 125/250V 3 Pole, 3 Wire without Ground
Black	**RR435P**	**RR335P**



RR435P

Special Use Products



RW15400GY

Weather Resistant Recessed Receptacle with While-In Use Cover

Description	Housing Color	Horizontal Mount	Vertical Mount
Weather and tamper-resistant duplex receptacle with clear while-in-use cover, 15A 125V	Gray	**RW15300GY**	**RW15400GY**
	White	**RW15300W**	**RW15400W**
	Brown	**RW15300BR**	**RW15400BR**



RR151CHWTR



RR1510W



RJ650BKTR



Dividers



RJ600

Special Use Products

Description	Color	Tamper-Resistant (15A 125V NEMA 5-15R UL/CSA)	Tamper-Resistant (20A 125V NEMA 5-20R UL/CSA)
Clock Hanger/Recessed Single Receptacle, Tamper-Resistant, 2 pole, 3 wire, grounding, side wire terminations	Brass	**RR151CHBSTR**	**RR201CHBSTR**
	Stainless Steel	**RR151CHSSTR**	**RR201CHSSTR**
	Ivory (Nylon)	**RR151CHITR**	**RR201CHITR**
	White (Nylon)	**RR151CHWTR**	**RR201CHWTR**
Recessed Duplex Receptacle, Tamper-Resistant, 2 pole, 3 wire, grounding, side wire terminations	Ivory	**RR1510I**	—
	Light Almond	**RR1510LA**	—
	White	**RR1510W**	—
JLOAD® Multimedia Outlet, Provides power, Cat. 5e and coaxial in a single gang box. Requires RJ600 Box. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*.	Black	**RJ650BKTR**	**RJ620BKTR**
	Gray	**RJ650GYTR**	**RJ620GYTR**
	Ivory	**RJ650ITR**	**RJ620ITR**
	Light Almond	**RJ650LATR**	**RJ620LATR**
	White	**RJ650WTR**	**RJ620WTR**
JLOAD® Multimedia Outlet, Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*.	Black	**RJ65BKTR**	**RJ62BKTR**
	Gray	**RJ65GYTR**	**RJ62GYTR**
	Ivory	**RJ65ITR**	**RJ62ITR**
	Light Almond	**RJ65LATR**	**RJ62LATR**
	White	**RJ65WTR**	**RJ62WTR**
JLOAD® Multimedia Box, 3 inches deep with seven ½-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud.	Steel	**RJ600**	**RJ600**

*Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor boxes.*

See page Z-10 for snap fit inserts.
See pages Z-21 to Z-26 for floor boxes and under cabinet power distribution options.
See page Tech-10 for Tamper-Resistant description.



RS100W



RS101W

In-Line Cord Switches

Description	Mini For Use with Flat Lamp Cord	Heavy Duty
Rating	6A 125V AC	6A 125V AC, 1/6 HP
Wire	#18 AWG SPT 1 and SPT 2	#18 to #16 AWG SPT 1 and SPT 2
Ivory	—	**RS101I**
White	**RS100W**	**RS101W**

Dimensions in Inches (mm)

Dimmers and Fan Speed Controls

Features

Standard rocker, toggle, slide and rotary styles for any interior design.

- Optimum CFL and LED Control
- Low End Adjustment for Fine Tuning
- For single-pole and 3-way applications
- Decorator and Traditional Toggle Styling Available
- Ivory, Light Almond, and White available for all SKUs
- No Neutral Required
- 0-10V Low Voltage loads supported with Decorator and Rocker styles



LCD300DW



LCD150SW



LCD150TW



LCD0108SW

LED/CFL Dimmers

Description	Color	Rocker Dimmer	Slide Dimmer	Toggle Dimmer
LED/CFL 200W, Incandescent/Halogen 600W, 120V AC, 60Hz, single pole/three way	Ivory	**LCD150DI**	**LCD150SI**	–
	Light Almond	**LCD150DLA**	**LCD150SLA**	–
	White	**LCD150DW**	**LCD150SW**	–
LED/CFL 150W, Incandescent/Halogen 600W, 120V AC, 60Hz, single pole/three way	Ivory	–	–	**LCD150TI**
	Light Almond	–	–	**LCD150TLA**
	White	–	–	**LCD150TW**
LED/CFL 300W, Incandescent/Halogen 600W, 120V AC, 60Hz, single pole/three way, with indicator light	Ivory	**LCD300DI**	–	–
	Light Almond	**LCD300DLA**	–	–
	White	**LCD300DW**	–	–

Low Voltage Dimmers

Description	Color	Rocker Dimmer	Slide Dimmer
01-10V Low Voltage Loads, 10 A @120V AC, 5 A @277V AC, 60Hz, single pole/three way	Ivory	**LCD0108DI**	**LCD0108SI**
	Light Almond	**LCD0108DLA**	**LCD0108SLA**
	White	**LCD0108DW**	**LCD0108SW**

Fan Speed Controls, 3 Speed

Description	Toggle	Rotary ON/OFF Knobs Provided
Termination	Single Pole/Three Way	Single Pole
Rating	1.5A 120V AC	1.5A 120V AC
Ivory	**RAYFSQFI**	—
Light Almond	**RAYFSQFLA**	—
White	**RAYFSQFW**	—
Ivory/White	—	**RFSQ2FDK**

Replacement Knobs

Rotary Fan Control Replacement Knobs
–
–
R28032406
—
R28032401
—



R28032401

R28032406



RFSQ2FDK

Fan Speed Controls, 3 Speed

Description	Rocker Slide Adjustment	Slide Control Slide to OFF
Termination	Single Pole/Three Way	Single Pole
Rating	1.5A 120V AC	1.5A 120V AC
Ivory	**RDVFSQFI**	**RSFSQFI**
Light Almond	**RDVFSQFLA**	**RSFSQFLA**
White	**RDVFSQFW**	**RSFSQFW**

Replacement Knobs

Slide Control Replacement Knobs
–
–
RSKI
RSKLA
RSKW



RSKW

RSKI



RSFSQFW

Wall Switches and Digital Timer



WS2000W



WS1000NW



WS1020W



DT5030W



DT2000W

Passive Infrared Wall Switches

- Passive infrared technology
- Photocell (WS2000 series)
- No neutral required
- 1200 sq. ft. coverage
- Steel mounting strap
- Compatible with most LED and CFL
- CEC Title 24 and ASHRAE 90.1 compliant
- cULus

Description	Color	Standard	with Nightlight	with Neutral	with Nightlight and Neutral
Manual adjusting; selectable manual/auto ON operation; dual-voltage 120/277V AC; multi-way capable.	Gray	**WS2000GY**	**WS2000NGY**	—	—
	Ivory	**WS2000I**	**WS2000NI**	**WS2004I**	**WS2004NI**
	Light Almond	**WS2000LA**	**WS2000NLA**	—	—
	White	**WS2000W**	**WS2000NW**	**WS2004W**	**WS2004NW**
Manual adjusting; selectable manual/auto ON operation; 120V AC only.	Ivory	**WS1000I**	**WS1000NI**	—	—
	Light Almond	**WS1000LA**	**WS1000NLA**	—	—
	White	**WS1000W**	**WS1000NW**	—	—
Manual adjusting; manual ON operation; 120V AC only.	Ivory	**WS1001I**	**WS1001NI**	—	—
	Light Almond	**WS1001LA**	**WS1001NLA**	—	—
	White	**WS1001W**	**WS1001NW**	—	—
Manual adjusting; auto ON operation; dual circuit; 120V AC only.	Gray	**WS1020GY**	**WS1020NGY**	—	—
	Ivory	**WS1020I**	**WS1020NI**	**WS1024I**	**WS1024NI**
	Light Almond	**WS1020LA**	**WS1020NLA**	**WS1024LA**	**WS1024NLA**
	White	**WS1020W**	**WS1020NW**	**WS1024W**	**WS1024NW**
Manual adjusting; manual ON operation; dual circuit; 120V AC only.	Gray	**WS1021GY**	**WS1021NGY**	—	—
	Ivory	**WS1021I**	**WS1021NI**	**WS1025I**	**WS1025NI**
	Light Almond	**WS1021LA**	**WS1021NLA**	**WS1025LA**	**WS1025NLA**
	White	**WS1021W**	**WS1021NW**	**WS1025W**	**WS1025NW**

Note: See below for coverage patterns.

Count Down Timer Wall Switch

Description	Color	30 Minutes: OFF, 5, 10, 20, 30	60 Minutes: OFF, 15, 30, 45, 60	12 Hours: OFF, 2, 4, 8, 12
1000W @ 120V AC and 1400W @ 277V AC.	Ivory	**DT5030I**	**DT5060I**	**DT5012I**
	Light Almond	**DT5030LA**	**DT5060LA**	**DT5012LA**
	White	**DT5030W**	**DT5060W**	**DT5012W**

Note: Neutral required.

Digital Timer Wall Switch

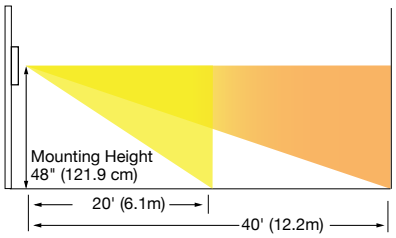
Description	Color	120V AC	277V AC	Catalog Number
Dip switch enabled preset intervals. User adjustable 1 min up to 4 hours, 3-way capable. Includes an ON/OFF momentary push button switch feature.	White	960W	1200W	**DT2000W**

Note: Neutral required.

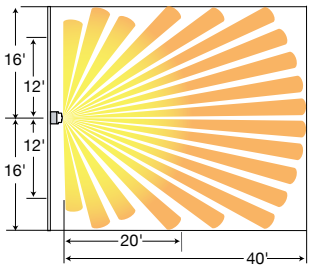
Wall Switches Coverage Patterns

Minor Motion: PIR **Major Motion:** PIR

Vertical Coverage



Horizontal Coverage



WS1000, WS2000 SERIES

Floor Boxes for Concrete Floors

Residential Round Non-Metallic Floor Box offers an economical solution for electrical power or a combination of power and voice/data applications. Designed specifically for slab-on-grade installation. Quick and easy installation is assured using a push in place leveling system. UL Listed.



RF406BK
with **RF400**

Features

After the box has been secured in concrete, cut for height, apply PVC glue and push the cover assembly into the box. No fasteners or adjustment screws required.

- 4 inch minimum concrete pour
- Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed
- Self height and leveling ring, no adjustments
- Pre-assembled flange, cover and leveling ring for quick installation
- Parallel PVC hubs for 1 inch and ¾ inch conduit
- Recessed GFCI/decorator opening
- Tamper-Resistant duplex receptacle included
- UL listed floor box

Floor Boxes for Concrete Floors

Description	Rating	Material/Color	Catalog Number
Flange and Hinged Door Cover Assembly. Includes tamper-resistant duplex receptacle, gasket, floor leveling PVC ring, high impact and chemically resistant nylon. Factory pre-assembled for easy drop-in installation.	15A 125V NEMA 5-15R	Brushed Aluminum Brushed Brass Plated Solid Brass Almond Black Chestnut Brown Gray	**RF406ALU** **RF406BP** **RF406BR** **RF406AL** **RF406BK** **RF406BN** **RF406GY**
Flush fit cover for hardwood and tile floors (similar to above).		Solid Brass	**RF409BR**
PVC Floor Box with Concrete Protective Cover. Accepts ¾ in. and 1.0 in. schedule 40 and schedule 80 PVC conduit. Includes round box (47/8 in. diameter x 6.0 in. deep), four reducers, closure plugs, and concrete cover with locator flag.		Gray	**RF400**
Hinged Nylon Replacement Door Cover. Includes neoprene gasket to seal plug openings. Replacement cover for RF406 series.		Solid Brass Almond Black	**RF407BR** **RF407AL** **RF407BK**
Low Voltage Divider. For use in PVC box RF400, when JLOAD® Multimedia Outlet is used.		Gray	**RF408**



RF406ALU



RF409BR



RF408

Adjustable Non-Metallic Concrete Floor Box Stand

Description	Color	Catalog Number
PVC floor box stand, adjusts up to 4 inches.	White	**PFBSTAND**



PFBSTAND

JLOAD® Multimedia Outlet - See page Z-27 for Features

15A 125V NEMA 5-15R UL/CSA

20A 125V NEMA 5-20R UL/CSA

Description	Color	Tamper-Resistant	Tamper-Resistant
JLOAD® Multimedia Outlet. Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires Low Voltage Divider RF408 when used in PVC Box RF400. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	**RJ650BKTR** **RJ650GYTR** **RJ650ITR** **RJ650LATR** **RJ650WTR**	**RJ620BKTR** **RJ620GYTR** **RJ620ITR** **RJ620LATR** **RJ620WTR**
JLOAD® Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	**RJ65BKTR** **RJ65GYTR** **RJ65ITR** **RJ65LATR** **RJ65WTR**	**RJ62BKTR** **RJ62GYTR** **RJ62ITR** **RJ62LATR** **RJ62WTR**



RJ650BKTR

*Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor boxes.*
See page Z-10 for snap fit inserts.
See pages Z-21 to Z-26 for floor boxes and under cabinet power distribution options.
See page Tech-10 for Tamper-Resistant description.

Floor Boxes for Wood Floors

Hubbell Wood Floor Boxes allow for the placement of electrical power or a combination of power and voice/data devices. Specifically designed for use with structural wood floors. The boxes are height adjustable (up to ¾ inch) for optimal alignment and fit.

Features

- Available surface mount or flush fit
- Pre-assembled flange and cover for fast installation
- Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed
- Low voltage divider optional provides for power and voice/data in a compact space
- Height accessible adjustments after the box is mounted
- Back and side knockouts for proper wiring access
- Recessed receptacle minimizes plug protrusion; allowing furniture to be located over the plug
- Top screw fastening and side joist mounting provided

Note: Template cutout provided with instructions for proper installation.



RF509BR, RJ650BKTR, RF500 with Divider

The Right Choice for that Perfect Finishing Touch!



Solid Brass | Brass Plated | Chrome Plated | Copper Plated | Nickel Plated | Stainless Finish | Almond | Black | Chestnut Brown

Note: Not all configurations are available in all colors. See below for details.



RF515BR



RF509BR



RF500



RF507BR

Floor Boxes for Structural Wood Floors

Description	Material	Finish	Catalog No.	Material	Finish	Catalog No.
Decorator duplex receptacle floor box kit; includes steel box, flange and hinged door cover assembly with 15A 125V tamper-resistant duplex receptacle; designed for installation in wood floors; mounts to sub-floor or joists.	Solid Brass	Clear Lacquer	**RF515BR**	Aluminum	Brass Plated	**RF515BP**
	Aluminum	Stainless Paint	**RF515SS**	Aluminum	Chrome Plated	**RF515CH**
	Aluminum	Almond Paint	**RF515AL**	Aluminum	Copper Plated	**RF515CU**
	Aluminum	Black Paint	**RF515BK**	Aluminum	Nickel Plated	**RF515NI**
	Aluminum	Chestnut Brown Paint	**RF515BN**			
Flange and hinged door cover assembly; includes tamper-resistant duplex receptacle; neoprene gaskets; for use with steel box RF500.	Solid Brass	Clear Lacquer	**RF506BR**	Aluminum	Brass Plated	**RF506BP**
	Aluminum	Stainless Paint	**RF506SS**	Aluminum	Chrome Plated	**RF506CH**
	Aluminum	Almond Paint	**RF506AL**	Aluminum	Copper Plated	**RF506CU**
	Aluminum	Black Paint	**RF506BK**	Aluminum	Nickel Plated	**RF506NI**
	Aluminum	Chestnut Brown Paint	**RF506BN**			
Flush fit cover for hardwood and tile floors (similar to above).	Solid Brass	Clear Lacquer	**RF509BR**			
Adjustable floor box; 3 inch deep; three (3) ½ inch knockouts: one on bottom; one on each side; non-metallic sheathed cable clamps on each side.				Steel	—	**RF500**
Hinged Door Cover Only Replacement door for RF515, RF509 and RF506 series.	Solid Brass	Solid Brass	**RF507BR**	Aluminum	Brass Plated	**RF507BP**
	Aluminum	Stainless Finish	**RF507SS**	Aluminum	Chrome Plated	**RF507CH**
	Aluminum	Almond	**RF507AL**	Aluminum	Copper Plated	**RF507CU**
	Aluminum	Black	**RF507BK**	Aluminum	Nickel Plated	**RF507NI**
	Aluminum	Chestnut Brown Paint	**RF507BN**			

Floor Boxes for Wood Floors

Features

Duplex floor receptacles provide ample connections to service lighting, entertainment equipment and computers for family rooms and offices. Single receptacle configurations available for minimum requirements.

- Low profile, solid brass flange and cover
- Cut out template provided to assure proper sub-flooring preparation
- Line and low voltage options
- 2½ inch hole, ample wiring room
- For use with single or feed through service



RF151R

Drop-In Floor Box

Drop-In Floor Boxes are perfect for quick and easy installation of power or low voltage. Simply cut a hole between the floor and joists and drop through. The flange lip holds it in place.

Floor Boxes for Wood Floors

Description	Material	15A 125V NEMA 5-15R UL/CSA Catalog Number	20A 125V NEMA 5-20R UL/CSA Catalog Number
Drop In Floor Box Mounts in 2½ inch hole opening. Includes solid brass cover, single tamper-resistant receptacle, optional device mounts for two (2) voice/data video ports. Suitable for feed through circuitry. Impact resistant box.	Solid Brass	**RF151R**	**RF201R**
Duplex Receptacle Floor Box Rated Includes steel box, duplex TR receptacle and cover.	Solid Brass	**RF6500BR**	—
Single Receptacle Floor Box Rated Includes steel box, single receptacle and cover.	Solid Brass	**RF151TR**	—
Single Receptacle Display Rated Receptacle and cover only, excludes box.	Solid Brass	**RF151DTR**	—

Note: See page Tech-10 for Tamper-Resistant description.



RF151R



RF6500BR



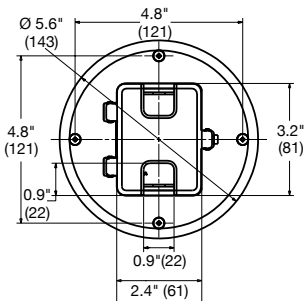
RF151TR

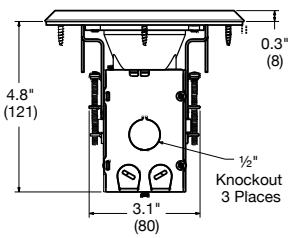


RF151DTR

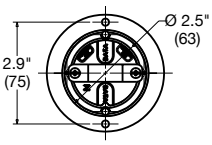
Dimensions

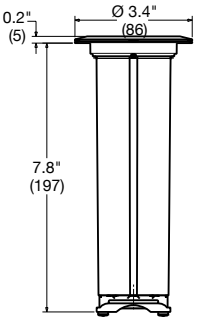
Wood Floor Boxes





Drop-In Floor Box





Dimensions in Inches (mm)

Countertop Receptacles

Hubbell Pop-Up Receptacles for countertops provide a power source ideal for kitchen and bath counters and islands. Hubbell is the first to market a countertop receptacle that is UL Listed. It allows compliance with NEC® 406.5(E) [countertops], 406.5(F) [work surfaces], and 406.5(H) [seating areas]. Pop-Up Receptacles are tested and water resistant to a half gallon spill. The receptacles feature Hubbell's patent pending silicone gaskets and patented cam action tamper-resistant technology. The compact design minimizes space required on the countertop as well as underneath in the cabinet area.

Features

- Surface or flush mount options
- Self sealing silicone gaskets at the receptacle face
- Compact design
- Permanent installation ready (suitable for MC cable or non-metallic sheath cable)
- Seven different finishes available
- Features two water and tamper-resistant receptacles
- Easy push down to pop-up function is rated for a minimum of 10,000 cycles (OPEN/CLOSE)
- Easy installation - simply drop in and tighten
- c UL us Listed



Because Spills Happen



Hubbell Countertop Receptacles are Spill Test Compliant

Hubbell Countertop Receptacles are the first pop-up receptacles UL listed for countertop applications and permanent installations.

UL 498 Section 146
Built and listed to be water resistant to a half gallon of liquid spilled on the device.

NEC 406.5(E)
Receptacle assemblies for installation in countertop surfaces shall be listed for countertop application.

NEC 406.5(E) "Receptacles in Countertops"
For a receptacle to meet this requirement it must be part of a listed assembly for use in countertops

- *— May be exposed to a larger liquid spill*
- *— Can also be installed in work surfaces*
- *— Must be GFCI protected surface*

NEC 406.5(F) "Receptacles in Work Surfaces"
For a receptacle to meet this requirement it must be part of a listed assembly for use in work surfaces

- *— Does not require as high of a spill rating*
- *— Cannot be used in countertop applications*

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Countertop Receptacles

Description	Finish	Color/Material	15A 125V Receptacle Surface Mount	15A 125V Receptacle Flush Mount	20A 125V Receptacle Surface Mount	20A 125V Receptacle Flush Mount
Tamper-resistant pop-up kitchen counter receptacle, rated for 20A circuits Cover: machined aluminum, wiring chamber accepts ½" MC or non-metallic sheath cable	Powder Coated	Black	**RCT200BK**	**RCT201BK**	**RCT220BK**	**RCT221BK**
		White	**RCT200W**	**RCT201W**	**RCT220W**	**RCT221W**
		Bronze	**RCT200BZE**	**RCT201BZE**	**RCT220BZE**	**RCT221BZE**
	Brushed	Aluminum	**RCT200ALU**	**RCT201ALU**	**RCT220ALU**	**RCT221ALU**
		Brass	**RCT200BR**	**RCT201BR**	**RCT220BR**	**RCT221BR**
		Nickel	**RCT200NI**	**RCT201NI**	**RCT220NI**	**RCT221NI**
	Polished	Chrome	**RCT200CH**	**RCT201CH**	**RCT220CH**	**RCT221CH**



RCT200BK



Brushed Aluminum



Brushed Brass



Brushed Nickel



Polished Chrome



Matte Bronze



Powder Coated Black



Powder Coated White

Description	Finish	Color/Material				
Tri-Power AC, includes: tamper-resistant pop-up kitchen counter receptacle, USB Type AC and wireless inductive, rated for 20A circuits Cover: machined aluminum, wiring chamber accepts ½" MC or non-metallic sheath cable; surface mount only	Powder Coated	Black	**RCT600BK**	—	**RCT620BK**	—
		White	**RCT600W**	—	**RCT620W**	—
		Bronze	**RCT600BZE**	—	**RCT620BZE**	—
	Brushed	Aluminum	**RCT600ALU**	—	**RCT620ALU**	—
		Brass	**RCT600BR**	—	**RCT620BR**	—
		Nickel	**RCT600NI**	—	**RCT620NI**	—
	Polished	Chrome	**RCT600CH**	—	**RCT620CH**	—



RCT221ALU



RCT600NI

Customizable Color Kits

Installable in surface mount option only, available in 7 different finishes



Aluminum w/Black, Gray or White



Brass w/ Black, Gray or White



Nickel w/ Black, Gray or White





Bronze w/ Black, Gray or White



Chrome w/ Black, Gray or White



Black w/Black



White w/ White

Note: Recommended to be fed by a GFCI circuit, up to 20 Amp Service.

Dimensions in Inches (mm)

Under Cabinet/Counter Power Distribution

Features

These boxes comply with the NEC® for kitchen receptacles, with placement not more than 20 inches above the counter surface. They can also be placed under counter islands, not lower than 15 inches from the surface.

- Available with nylon or metal cover
- Custom configurable, accepts any decorator style device
- Mounting hardware included
- UL Listed and CSA Certified under cabinet boxes





RU100W



RU200SS

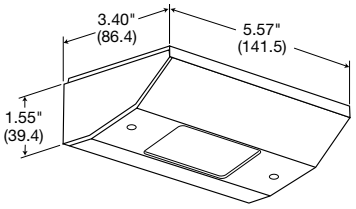
Under Cabinet/Counter Power Distribution

Description	Material	Catalog Number
Slim Box	Stainless Steel	**RU100SS**
	White Metal	**RU100W**
	White Nylon	**RU170W***
GFCI Fit Box	Stainless Steel	**RU200SS**
	White Metal	**RU200W**
	White Nylon	**RU270W***

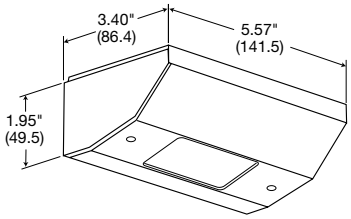
*Note: *Steel box with nylon cover.*

Dimensions

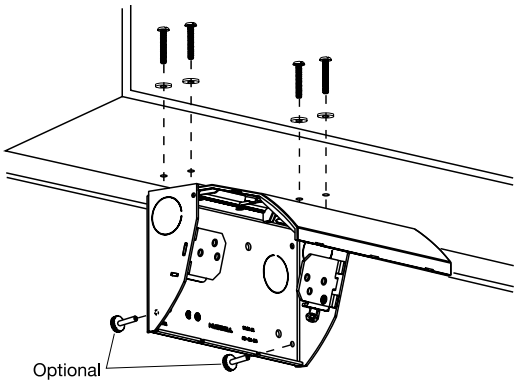
Slim Box



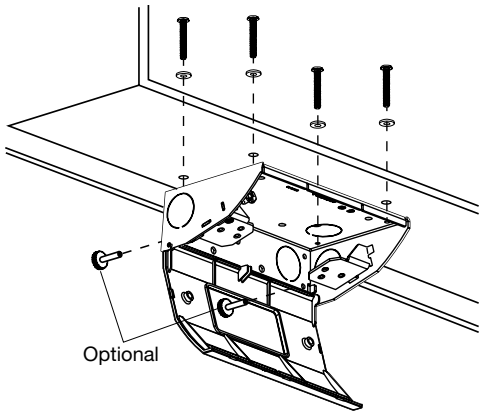
GFCI Fit Box



Vertical Mount



Horizontal Mount



Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

JLOAD® Multimedia Outlet

Make the Most of a Perfect Location

Install receptacles and voice/data devices exactly where they are needed, in the smallest space possible.

Features

- Accepts any snap fit jack configuration (see page Z10)
- Isolates low voltage and power in the same box
- Custom box mounting
- Provides for data, telephone and coaxial
- Available in 15 or 20 Amp



Note: Requires unique box shown below.

RJ620WTR



RJ620WTR



RJ62WTR



Dividers



RJ600

Dimensions in Inches (mm)

Special Use Products

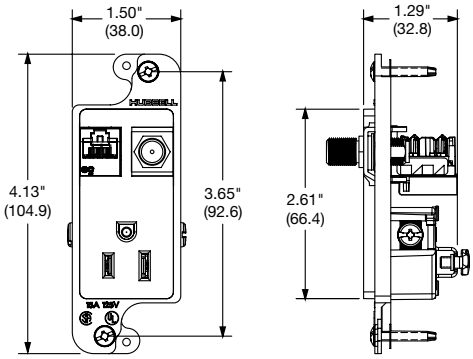




Description	Color	Tamper-Resistant	Tamper-Resistant
JLOAD® Multimedia Outlet Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires JLOAD® Multimedia Box RJ600. Perfect for HDTV and computer use where a combination of power and data are needed. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	**RJ650BKTR** **RJ650GYTR** **RJ650ITR** **RJ650LATR** **RJ650WTR**	**RJ620BKTR** **RJ620GYTR** **RJ620ITR** **RJ620LATR** **RJ620WTR**
JLOAD® Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	**RJ65BKTR** **RJ65GYTR** **RJ65ITR** **RJ65LATR** **RJ65WTR**	**RJ62BKTR** **RJ62GYTR** **RJ62ITR** **RJ62LATR** **RJ62WTR**
JLOAD® Multimedia Box 3 inches deep with seven ½-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud.	Steel	**RJ600**	**RJ600**

*Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor boxes.*
See page Z-10 for snap fit inserts.
See pages Z-21 to Z-26 for floor boxes and under cabinet power distribution options.
See page Tech-10 for Tamper-Resistant description.

Dimensions



Decorator Switches - Technical Information

Features

- Smooth, quiet rocker action
- Self-grounding feature standard
- Ultrasonically welded cover and base provides maximum strength
- Push, back and side wiring
- Available colors: Black, Brown, Gray, Ivory, Light Almond and White



RSD115W

Specifications

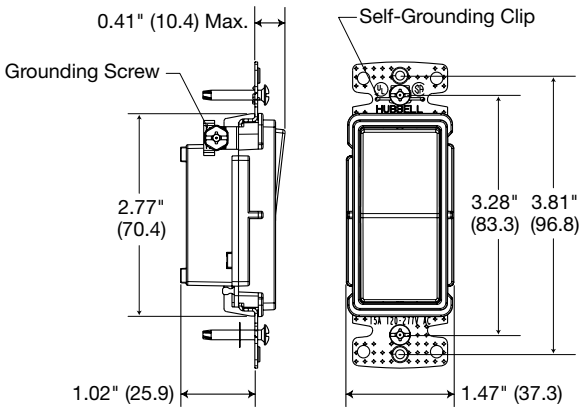
Switches	Component	Material
Typical Specification — Catalog Number **RSD115xx**	Base and body	PVC
Description — Decorator series rocker switch	Rocker	Polycarbonate
Type — Single Pole	Terminals	Brass
Rating — 15A, 120-277V AC	Mounting strap	Galvanized steel
Certification — Listed to UL Standard 20	Contacts	Silver alloy
CSA Certified	Movable contact arm	Copper alloy
	Terminal screws	Steel

Note: **xx** *= Color:* ***BK*** *(Black), Blank (Brown),* ***GY*** *(Gray),* ***I*** *(Ivory),* ***LA*** *(Light Almond), and* ***W*** *(White).*

Performance

Electrical	
Dielectric voltage	Withstands 1,500V AC minimum for 1 minute.
Max. working voltage	120V.
Overload	1.5 times rating.
Endurance	30,000 cycles minimum.
Mechanical	
Terminal accommodation	Back and side wire: #14 AWG min. - #12 AWG max. solid and stranded copper wire only; push wire: #14 AWG solid copper wire only.
Environmental	
Flammability	UL V0.
Operating temperatures	Maximum continuous 60°C; minimum -20°C (without impact).

Dimensions



Single-Pole Decorator Switch

Dimensions in Inches (mm)

SECTION AA

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30, 50, 100 & 200 Amp Cable Sets and Devices



Marine Adapters



Marine Isolation Transformers



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New Marine Products

IMPROVED DESIGN





Hubbell Marine 100 Amp Pin & Sleeve

The Best Just Got Better. . . . . Page AA-20

Hubbell Marine was the first to offer 100 amp marine grade devices that are considered second to none. Hubbell developed the standard for 100 amp pin and sleeve devices with the National Electric Code and the American Boat and Yacht Council.

100 Amp Pin and Sleeve Devices
Improved Features:

- UL Type 4X and IP69k Rated
- Compact and durable cap hinge is fully shrouded and protected
- VO flammability rating
- UV stabilized, impact resistant and chemical resistant housing to withstand the harshest environments



#316 Stainless Steel Housing



Standard White Powder Coated Steel Housing

Hubbell Marine Isolation Transformers

Constant Clean Safe Power . . . . . Page AA-30

- Protects sensitive equipment on board from fluctuating or low voltage
- Converts various dockside power, such as 208 volt systems to the 120/240 volts needed on board
- Greatly reduces the possibility of stray current from your boat from leaking into the water, known as Electrical Shock Drowning (ESD)

Available Options:

15 kVA and 25 kVA Models
60 Hz and 50/60 Hz Models
12.5% Auto-Boost
White Powder Coated Steel Housing (Non-Boost Only)
#316 Stainless Steel Housing (with and without Auto-Boost)

Additional Features

- Compact Size and Weight
- Two Full Current-Carrying Shields
- Vibration Resistant
- Exceeds ABYC's 4000 Volt HIPOT Test
- Full Capacity Taps = 1:1 Voltage Ratio

New Marine Products

USB Charger Receptacles with Type-C

Charge Faster with Hubbell . . . . . Page AA-41

The smaller size USB Type-C connection will replace the traditional larger Type A connection

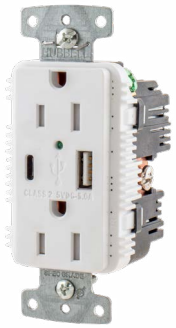
Now, with 5 amps of fast charging power
Available in standard tamper-resistant version
and in weather resistant versions

USB Type-C connection is:

- Smaller, 24 pin configuration
- More robust for reliable connection
- Quicker, simply plug in your cord



Type-C



Type A&C



Type A

New Hubbell Weather Resistant and Extra Heavy Duty Corrosion Resistant Ground Fault Receptacles . . . . . Page AA-42

Ground Fault Receptacle Features:

Hubbell's Weather Resistant offering:

- Meets NEC requirements for weather resistant, UV and corrosion resistance for harsh and damp locations
- Protects against line and load reversal

Extra heavy duty ground fault receptacles are designed to withstand the most demanding environments and applications:

- Nickel plated face contacts, mounting strap and terminals
- Stainless steel hardware
- Tamper and weather resistant make this the only corrosion resistant ground fault receptacle available



Weather Resistant



Extra Heavy Duty
Corrosion Resistant

Stainless Steel Weatherproof and Watertight Flip Covers

Flip Cover Features . . . . . Page AA-48

- Heavy duty #316 stainless steel covers provide superior corrosion resistance while maintaining their smooth, polished finish
- Available in rain-tight or watertight, duplex and GFCI versions
- Horizontal or vertical mounting positions
- UL and cUL listed



Ship-to-Shore Selection Chart - Boatside

30A
125V AC
2 Pole
3 Wire

Pages AA-8 to AA-12


HBL303NM


HBL303SS


HBL26CM13


HBL60CM33
HBL60CM33W

50A
125V AC
2 Pole
3 Wire

Pages AA-13 to AA-15


HBL503NM


HBL503SS


HBL63CM60


HBL77CM15
HBL77CM15W

50A
125/250V AC
3 Pole
4 Wire

Pages AA-16 and AA-17


HBL504NM


HBL504SS


HBL63CM64


HBL77CM15
HBL77CM15W

100A
125/250V AC
3 Pole
4 Wire

Pages AA-18 to AA-20


M4100B12R


M4100C12R

100A
3ØY
4 Pole
5 Wire

Page AA-21
120/208V AC
277/480V AC


M5100B9R
M5100B7R


M5100C9R
M5100C7R

200A
600V AC/250V DC
50-400 Hertz
4 Pole
5 Wire

Pages AA-22 and AA-23


M5200BS1R


M5200CS1R

Portable Telephone and Cable TV Devices

Pages AA-32 and AA-33


HBLPHTVNM


HBLPHTVSS


HBLTVSS


PH6624



PH7440

Ship-to-Shore Selection Chart - Dockside



YC310250 - 280' (85.3m) Yellow cable only.
WC310280 - 280' (85.3m) White cable only.

HBL61CM08 & HBL61CM08LED - 50' (15.2m)
HBL61CM05 & HBL61CM05LED - 35' (10.7m)
HBL61CM03 & HBL61CM03LED - 25' (7.6m)
HBL61CM08W & HBL61CM08WLED - 50' (15.2m)
HBL61CM03W & HBL61CM03WLED - 25' (7.6m)



HBL60CM31
HBL60CM31W



HBL26CM11



HBL26CM10



HBL74CM25WOA
HBL74CM25WOAW



YC306250 - 250' (76.2m) Yellow cable only.

HBL61CM53 & HBL61CM53LED - 50' (15.2m)
HBL61CM43 & HBL61CM43LED - 25' (7.6m)



HBL77CM16
HBL77CM16W



HBL63CM61



HBL63CM70



HBL77CM74WO



YC406250 - 250' (76.2m) Yellow cable only.

HBL61CM52 & HBL61CM52LED - 50' (15.2m)
HBL61CM42 & HBL61CM42LED - 25' (7.6m)
HBL61CM52W & HBL61CM52WLED - 50' (15.2m)
HBL61CM42W & HBL61CM42WLED - 25' (7.6m)



HBL77CM16
HBL77CM16W



HBL63CM65



HBL63CM69



HBL77CM74WO



CS1004 - 100' (30.4m) 4-Wire
CS754 - 75' (22.8m) 4-Wire
CS100IT4 - 100' (30.4m) 3-Wire
CS754IT4 - 75' (22.8m) 3-Wire

CW125IT4 - 125' (38.0m) One-ended cable set for winches.
CW100IT4 - 100' (30.4m) One-ended cable set for winches.
CW754 - 75' (22.8m) One-ended cable set for winches.
CS50EXT4 - 50' (15.2m) Extension cord.



M4100P12



M4100C12



M4100R12



CS100IT5 - 100' (30.4m) 4-Wire
CS75IT5 - 75' (22.8m) 4-Wire

CW125IT5 - 125' (38.0m) One-ended cable set for winches.
CW100IT5 - 100' (30.4m) One-ended cable set for winches.
CS50EXT5 - 50' (15.2m) Extension cord.



M5100P9
M5100P7



M5100C9
M5100C7



M5100R9
M5100R7



M5200PS1



M5200CS1



M5200RS1



PH6630 - 250' (76.2m) Yellow cable only.
PH6599 - 50' (15.2m)
PH6598 - 25' (7.6m)



75 Ohm TV Cable
TV99 - 50' (15.2m)
TV98 - 25' (7.6m)
TV99W - 50' (15.2m)
TV98W - 25' (7.6m)



PH7440



PH6625



PH6596



TV97



PH6597TV

ELCI Interface Solutions

ABYC Code Requirements

Hubbell Marine Electrical continues its tradition of innovation by developing a simple, flexible method of adapting a variety of ELCI Sensors and Breakers to our traditional Stainless Steel and Non-Metallic Shore Power Inlet Housings.

Effective July 31, 2012, ABYC, E-11.11.1 requires that “An Equipment Leakage Circuit Interrupter (ELCI) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional over current protection as required by E-11.10.2.8.3, whichever is closer to the shore power connection".

Note: A faulty electrical connection at the dock or on a boat could result in stray electrical current in the water. Such stray current in Electrical Shock Drowning (ESD).

Hubbell’s family of ELCI adaptive Shore Power Inlet Kits provide a simple, flexible, low-cost solution.

Kits Contain:

- Hubbell Shore Power Inlet
- Matching Shore Power Inlet Housing(s)
- Mounting Adapter Plate(s) for use with various ELCI Sensors and ELCI Breakers (not provided)
- Stainless Steel Hardware



An Equipment Leakage Circuit Interrupter (ELCI) provides 30mA ground fault protection for the entire AC shore power system beyond the ELCI









ELCI Interface Solutions

Hubbell ELCI Adapter Kits for North Shore Safety, Ltd® PGFM Series (ELCI Marine) Sensing Module and Sensata Technologies® ELCI Breakers

Description	Breaker	Sensor	Power Inlet	Catalog Number
30 Amp, 125 Volt Non-Metallic Inlet (HBL303NM) and (2) Non-Metallic Inlet Housings, Adapter Plates and Hardware.				**HBL303NMELCI**
30 Amp, 125 Volt Non-Metallic Inlet (HBL303NM) and (1) Non-Metallic Inlet Housing that adapts to North Shore Safety's Sensor only (no circuit breaker inlet housing), Adapter Plate and Hardware.				**HBL303NMELCIS**
30 Amp, 125 Volt Stainless Steel Inlet (HBL303SS) and (2) Stainless Steel Inlet Housings, Adapter Plates and Hardware.				**HBL303SSELCI**
30 Amp, 125 Volt Stainless Steel Inlet (HBL303SS) and (1) Stainless Steel Inlet Housing that adapts to North Shore Safety's Sensor only (no circuit breaker inlet housing), Adapter Plate and Hardware.				**HBL303SSELCIS**
50 Amp, 125/250 Volt Stainless Steel Inlet (HBL504SS) and (2) Stainless Steel Inlet Housings, Adapter Plates and Hardware.				**HBL504SSELCI**
50 Amp, 125/250 Volt Stainless Steel Inlet (HBL504SS) and (2) Stainless Steel Inlet Housing that adapts to a standard overcurrent-type circuit breaker.				**HBL504SSELCIH**
Blank Non-Metallic Inlet Housing and Hardware for mounting North Shore Safety ELCI Sensor only.				**HBLRRELCI**

Note: North Shore Safety's Sensor and Sensata Technologies Circuit Breakers (not provided) are separate devices each requiring their own blank shore power inlet interface.

Cable sets only.

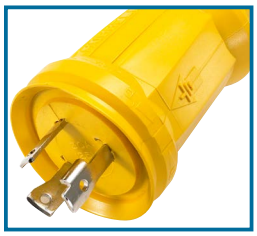
Features and Benefits

30 Amp Cable Sets

- Bright, durable, LED (green) indicates “Power-ON”
- High intensity LED is visible—even in bright sunlight
- Totally molded design for superior waterproofing and durability
- Exclusive copper crimp barrel terminations for tighter connections and longer life
- Marine UL and cUL Listed

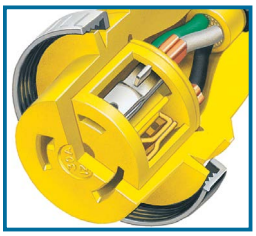


Note: Cable sets must be fully extended before using.



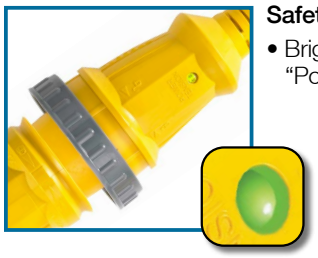
Housing Design

- New improved ergonomic styling
- Line-up notches to indicate: Locked - Unlocked
- Arrow indicating lock or unlock position
- Available in yellow or white colors



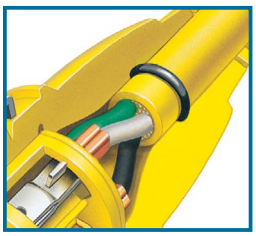
Interior Design

- Molded design totally encased in solid PVC material, for superior waterproofing and durability
- Locking ring assures proper alignment of connector to inlet for complete contact and waterproofing; prevents accidental disengagement



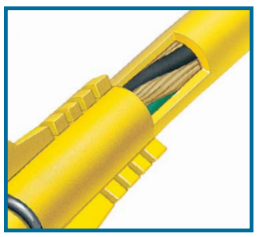
Safety

- Bright green LED indicates “Power-ON”



Interior Design

- Strain relief bull ring protects against stress and strain on the conductors caused by boat movement, crew traffic and rough handling
- Exclusive copper crimp barrel termination provides protection against internal overheating as well as additional strain relief



Cord Flexibility

- Molded flexneck adds life to cable set by helping to prevent right-angle cable damage and pullout
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter; particularly in colder climates



Cable Set Options

- Available in 50, 35 and 25 foot lengths
- Available with or without LED
- Available in UV resistant yellow or white
- Marine UL and cUL Listed

Cable sets only.

30A Ship-to-Shore Devices

30 Amp Cable Sets and Bulk Cable

Our 30A 125V cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.

IP55
SUITABILITY
(Boatside)



30A 125V
NEMA L5-30R
UL/CSA



HBL61CM08
HBL61CM05
HBL61CM03

30A 125V Cable Sets and Bulk Cable

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight.	**HBL61CM08**
Same as HBL61CM08 except 35 ft. (10.7m) in length.	**HBL61CM05**
Same as HBL61CM08 except 25 ft. (7.6m) in length.	**HBL61CM03**
Same as HBL61CM08 except in white in color.	**HBL61CM08W**
Same as HBL61CM05 except in white in color.	**HBL61CM05W**
Same as HBL61CM03 except in white in color.	**HBL61CM03W**

Note: See page AA-8 for features and benefits.



HBL61CM08W
HBL61CM05W
HBL61CM03W

30A Cable Sets with LED "Power-ON" Indicator

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight.	**HBL61CM08LED**
Same as HBL61CM08LED except 35 ft. (10.7m) in length.	**HBL61CM05LED**
Same as HBL61CM08LED except 25 ft. (7.6m) in length.	**HBL61CM03LED**
Same as HBL61CM08LED except in white in color.	**HBL61CM08WLED**
Same as HBL61CM05LED except in white in color.	**HBL61CM05WLED**
Same as HBL61CM03LED except in white in color.	**HBL61CM03WLED**

Note: See page AA-8 for features and benefits.



HBL61CM08LED
HBL61CM05LED
HBL61CM03LED

Accessories

Description	Catalog Number
Yellow 250 ft. (76.2m) three conductor, #10 AWG type STW, PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cord, and adapters that will not mark boat's deck. 250 ft. (76.2m) lengths only.	**YC310250**
White 280 ft. (85.3m) three conductor, #10 AWG type STW, PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cord, and adapters that will not mark boat's deck. 280 ft. (85.3m) lengths only.	**WC310280**
Replacement non-metallic sealing ring for 30A cable sets and boots.	**RPL30P***

*Note: *Not UL Listed.*



YC310250



RPL30P

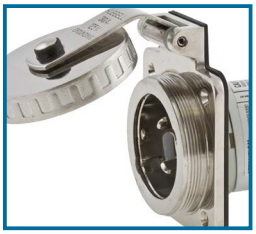
30A Ship-to-Shore Devices

30 Amp 125 Volt Shore Power Inlets and Outlet



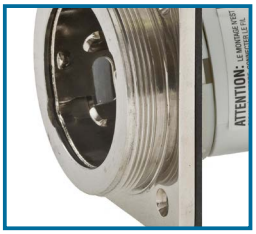
Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included.

- Friction tight self-closing cover assures the interior is shielded from the elements when the inlet is not in use
- Neoprene gasket on underside of cover. For sealing when the cover is closed
- Mirror stainless steel finish for superior appearance



Housing Design

- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal. When in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover



Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Mounting holes are 2.38 in. (60.3) on center
- Polycarbonate interior has superior heat resistance



HBL303NM



Terminations

- Easy-to-wire interior is transparent for quick, visual inspection of terminations
- #SR3050 protective rear enclosure cap attaches to contact carrier with 3 screws



30A 125V
NEMA L5-30R
UL/CSA



HBLCBISS



HBLCBINM



HBL303SSO

30A 125V Twist-Lock® Devices

Description	Catalog Number
Stylized UV resistant non-metallic shore power inlet has white Centrex® cover which makes unit weatherproof when completely closed. Interior has easy-to-wire terminations and is transparent for quick and easy visual inspection. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. **IP55 SUITABILITY.**	**HBL303NM**
Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. **IP56 SUITABILITY.**	**HBL303SS**
Traditional stainless steel inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included. **IP56 SUITABILITY.**	**HBLCBISS**
Stylized non-metallic inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included. **IP55 SUITABILITY.**	**HBLCBINM**
Protective rear cover. Fits all 30A shore power inlets. Secures to back of inlets with three screws which are provided.	**SR3050***
Replacement interior for HBL303SS and 60CM61 shore power inlets.	**HBL303INT**
Traditional stainless steel power outlet has gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. **IP56 SUITABILITY.**	**HBL303SSO**
Nickel plated brass adapter plate for mounting 30A traditional style shore power inlets and outlets to FS/FD box.	**HBL60CM75**

*Note: *Not UL Listed or CSA Certified.*

Centrex® is a registered trademark of LANXESS Corporation.

Plugs, receptacles and connectors only.

30A Ship-to-Shore Devices



30A 125V
NEMA L5-30R
UL/CSA

30A 125V Twist-Lock® Devices

Description	Catalog Number
Yellow Insulgrip® plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.**	**HBL26CM11**
Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief.	**HBL26CM13**
Yellow single receptacle has Rynite® body and abuse resistant nylon face. **IP20 SUITABILITY.**	**HBL26CM10**



HBL26CM11



HBL26CM13

Boots and Weatherproof Plates

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing HBL26CM11 plugs. **IP44 SUITABILITY.** Note: Fits Insulgrip devices only.	**HBL60CM31+**
White Seal-Tite cover for weatherproofing HBL26CM11 plugs. **IP44 SUITABILITY.** Note: Fits Insulgrip devices only.	**HBL60CM31W+**
Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. **IP56 SUITABILITY.** Note: Fits Insulgrip devices only.	**HBL60CM33+**
White Seal-Tite cover for weatherproofing HBL26CM13 connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. **IP56 SUITABILITY.** Note: Fits Insulgrip devices only.	**HBL60CM33W+**
Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used on extension cords or adapters. **IP44 SUITABILITY.** Note: Fits Insulgrip devices only.	**HBL60CM32+**
Yellow polycarbonate spring-loaded lift cover for weather-proofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	**HBL74CM24WO****
Same as HBL74CM24WO except gray in color. **IP44 SUITABILITY.**	**HBL7424WO****
Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	**HBL74CM25WOA****
Same as HBL74CM25WOA except white in color. **IP44 SUITABILITY.**	**HBL74CM25WOAW**
Same as HBL74CM25WOA except gray in color. **IP44 SUITABILITY.**	**HBL7425WOA****
Stainless steel wall plate for old 26CM10.	**SS725**
Stainless steel wall plate for new HBL26CM10.	**SS720**

Note: +Boots are not UL Listed or CSA Certified.
***See page AA-49 for aditional weatherproof plates.*



HBL26CM10



HBL60CM31



HBL60CM33



HBL60CM32



HBL74CM25WOA



HBL74CM25WOAW



SS725

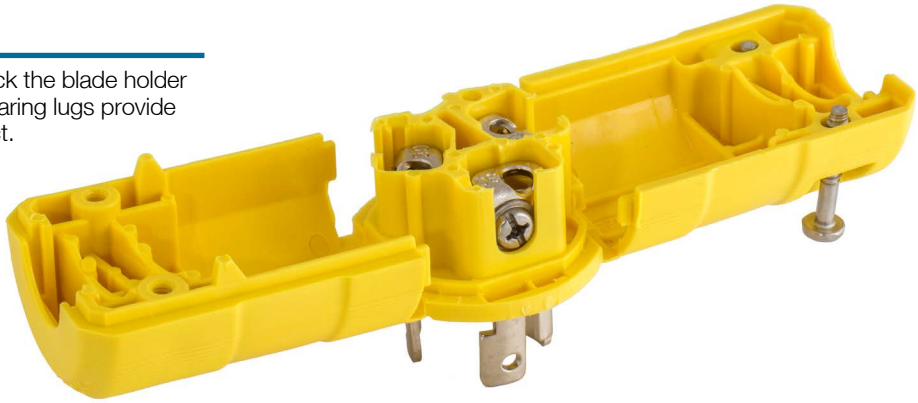
Rynite® is a registered trademark of E. I. DuPont.

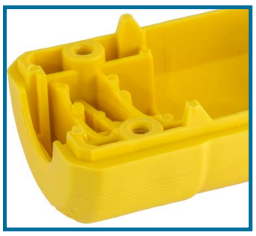
Plugs and connectors only.

30A Ship-to-Shore Devices

30 Amp Valise® Devices

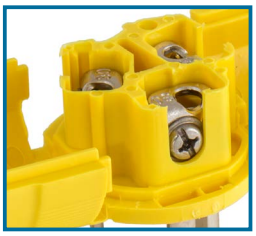
A unique system of special locking lugs interlock the blade holder and sides as the plug is closed. These load bearing lugs provide strength and security and keep the Valise intact.





Housing Design

- Nylon body
- Wiring time is reduced. Large easy to wire clamp type terminals eliminate the need to wrap conductors around a screw



Interior Design

- Exclusive nylon webs are provided to make wiring quick and easy by joining the three sections together during assembly
- Powerful cord grips resist conductor slip and strain on wiring terminals
- Nickel plated brass contacts for corrosion resistance



Terminations

- Terminals provide a superior electrical connection by "bundling" the conductors when the clamps are tightened
- Two captive stainless steel assembly screws



HBL26CM11V



HBL26CM11VB



HBL26CM13V



HBL60CM31V



HBL60CM33V



30A 125V
NEMA L5-30R
UL/CSA

30A 125V Twist-Lock® Devices

Description	Catalog Number
Yellow Valise® plug has one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). **IP20 SUITABILITY.**	**HBL26CM11V**
Black Valise plug for use on bass boats with trolling motor. One-piece nylon housing assembles easily with two screws. Built-in cord grip has a range of .59–.93 in. (15.0–23.6). **IP20 SUITABILITY.**	**HBL26CM11VB**
Yellow Valise connector body has a one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). **IP20 SUITABILITY.**	**HBL26CM13V**

Boots and Replacement Parts

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing HBL26CM11V plugs. **IP44 SUITABILITY.** Note: Fits Valise devices only.	**HBL60CM31V****
Yellow Seal-Tite cover for HBL26CM13V connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. **IP56 SUITABILITY.** Note: Fits Valise devices only.	**HBL60CM33V****
Yellow Seal-Tite cover for weatherproofing HBL26CM13V connector bodies when used on extension cords or adapters. **IP44 SUITABILITY.** Note: Fits Valise devices only.	**HBL60CM32V****
Replacement non-metallic sealing ring for 30A cable sets and boots. Not UL listed.	**RPL30P***

*Note: **Not UL Listed or CSA Certified.*
**Not UL Listed.*

Cable sets only.

Features and Benefits

50 Amp Cable Sets

- Two bright and durable LEDs. GREEN indicates “Power-ON” and RED indicates “Incorrect Wiring” at the power source
- High intensity LEDs are visible—even in bright sunlight
- Totally molded design for superior waterproofing and durability
- Exclusive copper crimp barrel terminations for tighter connections and longer life
- Marine UL and cUL Listed

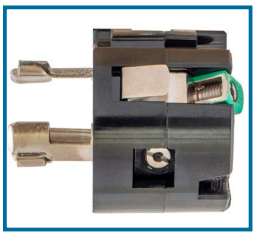


Note: Cable sets must be fully extended before using.



Housing Design

- New improved ergonomic styling
- Line-up notches to indicate: Locked - Unlocked
- Stainless steel threaded sealing ring to provide a watertight seal when mated with the shore power inlet
- Nickel plated brass shell for positive alignment of keying and corrosion-resistance



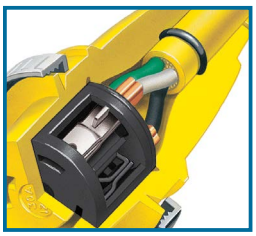
Interior Design

- Thermoset contact carrier is arcing and heat resistant
- Nickel plated brass contact blades for corrosion-resistance



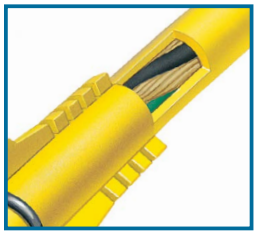
Safety

- Arrow with ground symbol allows lining up with ground of receptacle
- Bright green LED indicates “Power-ON”; Bright red LED indicates “Incorrect Wiring” at the power source



Superior Termination

- Bull ring for strain relief on the terminals
- Exclusive copper crimp barrel termination provides protection against internal overheating and burnout compared to brass crimps



Cord Flexibility

- Molded-in flex feature controls the angle of cord entry and keeps water out
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter



Cable Set Options

- Available in 50 and 25 foot lengths
- Available in yellow or white
- Cords for winch systems available upon request
- Marine UL and cUL Listed

Inlets and connectors only.

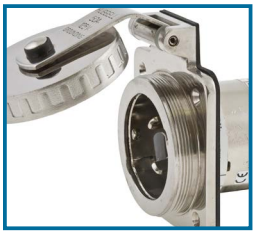
50A Ship-to-Shore Devices

50 Amp 125 Volt Traditional Stainless Steel Inlets

Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included.

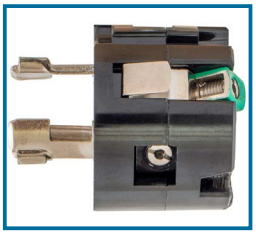
- Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inlet is not in use
- Neoprene gasket on underside of cover, for sealing when the cover is closed





Housing Design

- Base and cover end threads are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal. When in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover



Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Pressure screw terminals for secure terminations clearly marked for easy identification
- Thermoset contact carrier is arcing and heat resistant



Terminations

- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance



HBL503NM



HBL63CM60



HBL77CM15



HBL77CM17



50A 125V

50A 125V Twist-Lock® Devices

Description	Catalog Number
Stylized non-metallic shore power inlet has UV resistant white Centrex® cover which makes unit weatherproof when completely closed. Interior has easy to wire terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. **IP55 SUITABILITY.**	**HBL503NM**
Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included. **IP56 SUITABILITY.**	**HBL503SS**
Nickel plated brass connector body has heat resistant thermoset interior and combination metal and rubber cord grip provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.**	**HBL63CM60**

Boots and Replacement Parts

Description	Catalog Number
Protective rear cover. Fits all inlets except HBL503SS. Secures to back of inlets with three screws which are provided.	**SR3050****
Replacement interior for HBL503SS and 63CM72 shore power inlets.	**CR16277**
Yellow Seal-Tite® cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.**	**HBL77CM15****
White Seal-Tite cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.**	**HBL77CM15W****
Nickel plated brass cord clamp assembly with clamp range of .44–1.14 in. (11.1–29.0) provides strain relief for terminations on shore power inlets.	**HBL77CM67**
Yellow Seal-Tite cover for weatherproofing 50A connector bodies on extension cords or adapters. **IP56 SUITABILITY.**	**HBL77CM17****

*Note: **Not UL Listed or CSA Certified.*

Centrex® is a registered trademark of LANXESS Corporation.

UL c UL US LISTED

Cable sets only.

50A Ship-to-Shore Devices

50 Amp 125 Volt Cable Sets and Bulk Cable

Our 50A 125V cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.

IP56
SUITABILITY
(Boatside)



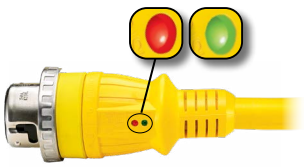
50A 125V

50A 125V Cable Sets and Twist-Lock® Devices

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #6 AWG type STOW is completely factory pre-wired with molded-on devices. Connector end has threaded metallic sealing ring to make inlet/connector interface watertight. **IP54 SUITABILITY (BOATSIDE).**	**HBL61CM53**
Same as HBL61CM53 except with two high intensity LEDs.	**HBL61CM53LED**
Same as HBL61CM53 except 25 ft. (7.6m) in length.	**HBL61CM43**
Same as HBL61CM43 except with two high intensity LEDs.	**HBL61CM43LED**
Three conductor, #6 AWG type STOW, yellow PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cords and adapters will not mark boat's deck. 250 ft. (75.2m) lengths only.	**YC306250**
Nickel plated brass plug has heat resistant thermoset interior and combination metal and rubber cord grip, provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.**	**HBL63CM61***
Single receptacle has a heat-resistant thermoset base. **IP20 SUITABILITY.**	**HBL63CM70***

*Note: *UL Listed and CSA Certified.*
See page AA-13 for features and benefits.


HBL61CM53
HBL61CM43


HBL61CM53LED
HBL61CM43LED


HBL63CM61

Boots and Weatherproof Plates

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing 50A plugs. **IP55 SUITABILITY.**	**HBL77CM16****
White Seal-Tite cover for weatherproofing 50A plugs. **IP55 SUITABILITY.**	**HBL77CM16W****
Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	**HBL77CM74WO**
Same as HBL77CM74WO except gray in color. **IP44 SUITABILITY.**	**HBL7774WO**
Stainless steel wall plate for 50A receptacle.	**SS750**

*Note: **Not UL Listed or CSA Certified.*


HBL63CM70


HBL77CM16


HBL77CM74WO


HBL7774WO


SS750


HBL77CM16W

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Inlets and connectors only.

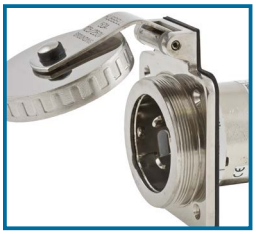
50A Ship-to-Shore Devices

50 Amp 125/250 Volt Traditional Stainless Steel Inlets

Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included.

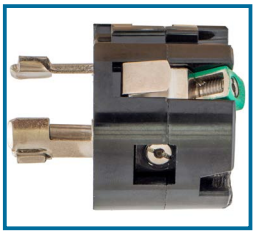
- Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inlet is not in use
- Neoprene gasket on underside of cover. For sealing when the cover is closed





Housing Design

- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal; when in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover



Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Pressure screw terminals for secure terminations clearly marked for easy identification
- Thermoset contact carrier is arcing and heat resistant



Terminations

- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance



50A 125/250V UL/CSA



HBL504NM



HBL63CM64



HBL77CM15



HBL77CM17

50A 125/250V Twist-Lock® Devices

Description	Catalog Number
Stylized non-metallic shore power inlet has UV resistant white Centrex® cover which makes unit weatherproof when completely closed. Interior is heat resistant thermoset material and has box lug terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. **IP55 SUITABILITY.**	**HBL504NM**
Traditional stainless shore power inlet has gasketed, self-closing cover so that the interior is shielded from the elements when not in use. It is watertight when the cover is securely fastened. The mounting holes are 2.38 in. (60.3) on centers and the rear portion has a 2.17 in. (55.1) diameter. Mounting screws and gasket are included. **IP56 SUITABILITY.**	**HBL504SS**
Nickel plated brass connector body has a heat resistant thermoset interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.**	**HBL63CM64**

Boots and Weatherproof Plates

Description	Catalog Number
Protective rear cover. Fits all inlets except HBL504SS. Secures to back of inlets with three screws which are provided.	**SR3050****
Replacement interior for 63CM74 and HBL504SS power inlets.	**CR16279****
Yellow Seal-Tite® cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.**	**HBL77CM15****
White Seal-Tite cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.**	**HBL77CM15W****
Yellow Seal-Tite cover for weatherproofing 50A connector bodies on extension cords or adapters. **IP55 SUITABILITY.**	**HBL77CM17****
Nickel plated brass cord clamp assembly with clamp range of .44–1.14 in. (11.1–29.0) provides strain relief for terminations on shore power inlets.	**HBL77CM67**

*Note: **Not UL Listed or CSA Certified.*

Centrex® is a registered trademark of LANXESS Corporation.

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Cable sets only.

50A Ship-to-Shore Devices

50 Amp 125/250 Volt AC Cable Sets and Bulk Cable

Our 50A 125/250V AC cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.



50A
125/250V
UL/CSA

50A 125/250V Cable Sets and Twist-Lock® Devices

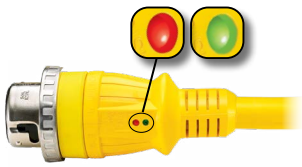
Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. **IP56 SUITABILITY (BOATSIDE).**	**HBL61CM52**
Same as HBL61CM52 except with two high intensity LEDs	**HBL61CM52LED**
Same as HBL61CM52 except white in color.	**HBL61CM52W**
Same as HBL61CM52LED except white in color.	**HBL61CM52WLED**
Yellow 25 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. **IP56 SUITABILITY (BOATSIDE).**	**HBL61CM42**
Same as HBL61CM52LED except 25 ft. (7.6m) in length.	**HBL61CM42LED**
Same as HBL61CM42 except white in color.	**HBL61CM42W**
Same as HBL61CM42LED except white in color.	**HBL61CM42WLED**
Four conductor, #6 AWG type STOW, yellow PVC jacketed portable cord with jute fillers for added flexibility is ideal for making cable sets, extension cords and adapters that will not mark the boats deck. Available in 250 ft. (76.2m) lengths only.	**YC406250**
Nickel plated brass plug has a heat resistant thermoset interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.**	**HBL63CM65***
Single receptacle has a heat resistant thermoset base. **IP20 SUITABILITY.**	**HBL63CM69***

*Note: *UL Listed and CSA Certified.*

See page AA-13 for features and benefits.



HBL61CM52
HBL61CM52W
HBL61CM42
HBL61CM42W



HBL61CM52LED
HBL61CM42LED



HBL63CM65

Boots and Weatherproof Plates

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing 50A plugs. **IP55 SUITABILITY.**	**HBL77CM16****
White Seal-Tite® cover for weatherproofing 50A plugs. **IP55 SUITABILITY.**	**HBL77CM16W****
Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	**HBL77CM74WO**
Same as HBL77CM74WO except gray in color. **IP44 SUITABILITY.**	**HBL7774WO**
Stainless steel wall plate for 50A receptacle.	**SS750**

*Note: **Not UL Listed or CSA Certified.*



HBL63CM69



HBL77CM16



HBL77CM74WO



HBL7774WO



SS750



HBL77CM16W

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Features and Benefits

100 Amp Pin and Sleeve Devices

- Hubbell Marine was the first to offer 100 amp marine grade devices that are considered second to none
- Hubbell developed the standard for 100 amp Pin and Sleeve devices with the National Electric Code and the American Boat and Yacht Council





Housing Design

- Supertough nylon housing provides increased safety and abuse resistance
- High visibility yellow, STOW cable, 105°C rated and UL listed
- The gasketed locking ring engages the mating device and when rotated and locked makes the interface between the devices watertight



Housing Design

- Nylon housing provides increased safety and resistance
- The gasketed, self-closing cover is keyed to normally seat in a position that provides a weatherproof seal; simply rotating the cover and locking it makes it watertight
- The device is marked with its catalog number and rating for easy identification



Interior Design

- High impact thermoset contact carrier is arcing and heat resistant
- Two screw pressure terminals provide reliable terminations
- Nickel plated solid brass pins provide for long life and reliable electrical contact in corrosive environments
- Special keying makes proper alignment of mating devices quick and easy



Interior Design

- High impact thermoset contact carrier is arcing and heat resistant
- The terminals are clearly identified with large markings for easy recognition
- Nickel plated solid brass contacts provide for long life and reliable electrical contact in corrosive environments
- Special keying makes proper alignment of mating devices quick and easy



Exterior Design

- Massive external cable grips protect the wiring from conductor movement which can cause strain on the terminals
- All screws are stainless steel for corrosion resistance
- The device is marked with its catalog number and rating for easy identification

100A Ship-to-Shore Devices

100 Amp Cable Sets

- Only Hubbell offers 3, 4 and 5 wire 100 amp cable sets for your shore power requirements
- Cable sets manufactured in factory-controlled conditions using specially compounded cable to accommodate a full 100 amperes



Note: Cable sets must be fully extended before using.

100A Pin and Sleeve Cable Sets

IP56 SUITABILITY

Description	Catalog Number	100A 125/250V AC	100A 3ØY 120/208V AC
Yellow 75 ft. (22.8m) corrosion-resistant shore power cable set, 105°C rated, #2 AWG, (no neutral), STOW cable with plug and connector body for use with boats with isolation transformer on board.		**CS75IT4***	**CS75IT5**
Same as above except 100 ft. (30.4m) in length.		**CS100IT4**	**CS100IT5**
Yellow 75 ft. (22.8m) corrosion-resistant shore power cable set, 105°C rated, #2 AWG, STOW cable.		**CS754**	**—**
Same as CS754/5 except 100 ft. (30.4m) in length.		**CS1004**	**—**
Yellow 50 ft. (15.2m) corrosion-resistant extension cord, 105°C rated, #2 AWG, STOW cable. For mating with existing shore power cable set.		**CS50EXT4**	**CS50EXT5**
Yellow 75 ft. (22.8m) corrosion-resistant one-ended (male only) power supply cable, 105°C rated, #2 AWG, STOW cable with 3 pole 4 wire male plug only; for use with boats using a cable winch system.		**CW754**	**—**
Yellow 100 ft. (30.4m) corrosion-resistant one-ended (male only) power supply cable, 105°C rated, #2 AWG, (no neutral) STOW cable with male plug only; for use with boats with isolation transformer on board and a cable winch system.		**CW100IT4**	**CW100IT5**
Same as CW100IT4/5 except 125 ft. (38.0m) in length.		**CW125IT4**	**CW125IT5**
Same as CW100IT4/5 except white in color.		**CW100IT4W**	**—**

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.
**Also available in white, consult factory.*



CS75IT4
CS100IT4



CS100IT4W

100A Ship-to-Shore Devices



M4100P12



M4100R12



M4100C12



M4100B12R



M4100C12R



FW60100



BB1001W
BB1002W

Dimensions in Inches (mm)



100A
125/250V AC

100A 125/250V Pin and Sleeve Devices

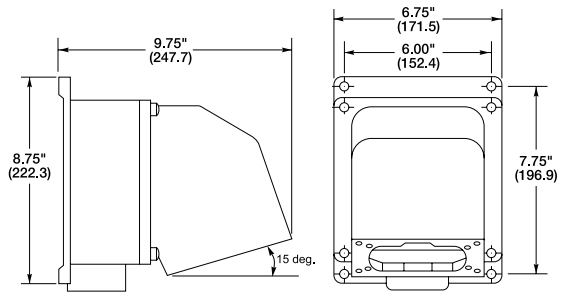
Description	Catalog Number
Yellow Zytel® super tough nylon watertight plug has gasketed locking ring to make plug/receptacle interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). **IP56 SUITABILITY.**	**M4100P12**
Gray nylon dockside receptacle has gasketed, spring-loaded cover. Closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers. Mounting screws and gasket included. **IP56 SUITABILITY.**	**M4100R12**
Yellow Zytel® super tough nylon watertight connector body for mating plug to connector interface on extension cords or adapters. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: It cannot be mated to the shore power inlet. **IP56 SUITABILITY.**	**M4100C12**
Gray nylon shore power inlet has gasketed, spring-loaded cover which closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers and rear portion has 3.94 in. (100.0) diameter. Mounting screws and gasket included. **IP56 SUITABILITY.**	**M4100B12R**
Yellow Zytel® super tough nylon watertight connector body has gasketed locking ring to make inlet/connector interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: This device mates with shore power inlet only. **IP56 SUITABILITY.**	**M4100C12R**

100A Back Boxes and Accessories

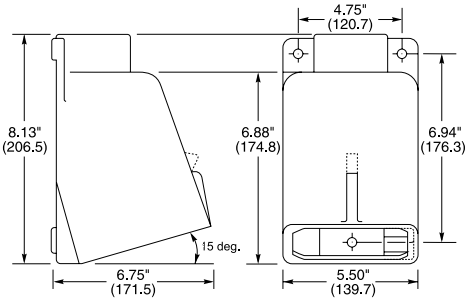
Description	Catalog Number
Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion-resistant gray alkyd-based enamel finish and 1½ in. NPT hub which can be mounted for either top or bottom feed. **IP56 SUITABILITY.**	**FW60100**
15° angle cast aluminum back box has corrosion-resistant gray finish and top hub with 1½ in. NPT 100A receptacles can be mounted directly to it.	**BB1001W**
Same as BB1001W except threaded top hub is 2 in. NPT.	**BB1002W**
15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1½ in. NPT hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended). **IP57 SUITABILITY.**	**BB100N**
Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings.	**PC100**
Replacement lift cover assembly; includes cover, arm and assembly tool.	**CA100**
Replacement locking ring and cord clamp.	**CC100**
Replacement locking ring only.	**LR100**

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

Product Dimensions Inches (mm)



FW60100



BB1001W, BB1002W

Zytel® is a registered trademark of E.I. DuPont.
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

100A Ship-to-Shore Devices

100A 3ØY 120/208V and 3ØY 277/480V Devices

Description	100A 3ØY 120/208V AC	100A 3ØY 277/480V AC
Yellow Zytel® super tough nylon watertight plug has gasketed locking ring to make plug/receptacle interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). **IP56 SUITABILITY.**	**M5100P9**	**M5100P7**
Gray nylon dockside receptacle has gasketed, spring-loaded cover. Closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers. Mounting screws and gasket included. **IP56 SUITABILITY.**	**M5100R9**	**M5100R7**
Yellow Zytel® super tough nylon watertight connector body for making plug to connector interface on extension cords or adapters. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: It cannot be mated to the shore power inlet. **IP56 SUITABILITY.**	**M5100C9**	**M5100C7**
Gray nylon shore power inlet has gasketed, spring-loaded cover which closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers and rear portion has 3.94 in. (100.0) diameter. Mounting screws and gasket included. **IP56 SUITABILITY.**	**M5100B9R**	**M5100B7R**
Yellow Zytel® super tough nylon watertight connector body has gasketed locking ring to make inlet/connector interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: This device mates with shore power inlet only. **IP56 SUITABILITY.**	**M5100C9R**	**M5100C7R**



M5100P9



M5100R9



M5100C9



M5100B9R



M5100C9R

100A Back Boxes and Accessories

Description	Catalog Number
Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion-resistant gray alkyd-based enamel finish and 1½ in. NPT hub which can be mounted for either top or bottom feed. **IP56 SUITABILITY.**	**FW60100**
15° angle cast aluminum back box has corrosion-resistant gray finish and top hub with 1½ in. NPT 100A receptacles can be mounted directly to it.	**BB1001W**
Same as BB1001W except threaded top hub is 2 in. NPT.	**BB1002W**
15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1½ in. NPT hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended). **IP57 SUITABILITY.**	**BB100N**
Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings.	**PC100**
Replacement lift cover assembly; includes cover, arm and assembly tool.	**CA100**
Replacement locking ring and cord clamp.	**CC100**
Replacement locking ring only.	**LR100**

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

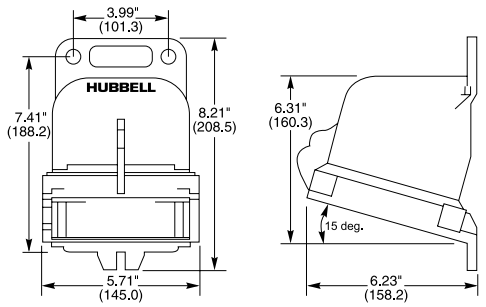


BB100N

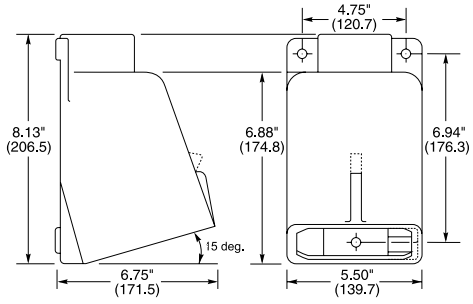


PC100

Product Dimensions Inches (mm)



BB100N



BB1001W, BB1002W

Zytel® is a registered trademark of E.I. DuPont.
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

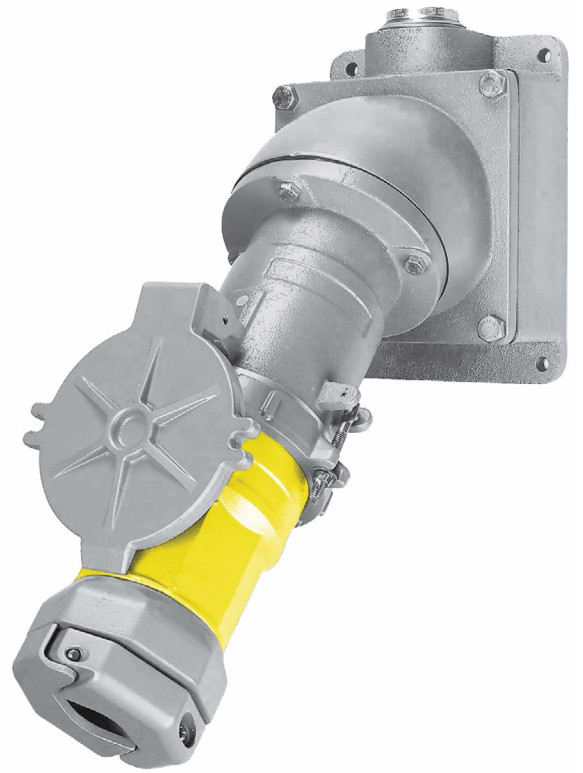
Features and Benefits

200 Amp Pin and Sleeve Devices

Hubbell was the first to offer a UL listed 100 amp Marine Ship-To-Shore System… and now, we are the first to offer a UL listed 200 amp Marine Ship-To-Shore System.

The only 200 amp rated Ship-to-Shore System - built specifically for Mega-Yachts.

Hubbell 200 amp devices are listed to UL1682 and UL Classified for the mating and operation of 200 amp devices. Mates with Cooper® Crouse-Hinds® Arktite® or Appleton® Powertite® (when installed in accordance with instructions furnished with device).





Housing Design

- Pins and Sleeves are made of nickel-plated Tellurium copper for superior corrosion and heat resistance
- UL Listed and CSA Certified



Housing Design

- Housing is made of copper-free aluminum with an electrostatically applied epoxy/polyester finish
- Type 3, 4, 4X Rated per UL50 standard for superior water resistance



Interior Design

- Interchangeable with other "UL1686 Series C1" Listed devices
- Terminal screws feature swivel/pressure pads to secure and prevent damage to conductors strands



Interior Design

- Interchangeable with other "UL1686 Series C1" Listed devices
- Terminal screws feature swivel/pressure pads to secure and prevent damage to conductors strands



Exterior Design

- Cable clamp captures cable at four points, provides superior retention
- Accepts a cord range of #1 AWG – 250 MCM

Appleton® and Powertite® are registered trademarks of Appleton Electric Company.
Cooper Crouse-Hinds® and Arktite® are registered trademarks of Cooper Industries, Inc.

NEMA 4X

200A Ship-to-Shore Devices



200A
600V AC/250V DC

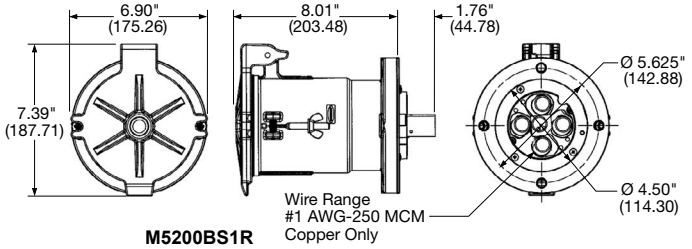
200A 600V AC/250V DC, 50-400 Hertz Pin and Sleeve Devices

Description	Catalog Number
Gray metallic, watertight boatside power inlet with wingnut-secured lid for water tightness when not in use.	**M5200BS1R**
Gray/yellow metallic, watertight boatside connector body with locking ring to make inlet/connector body interface watertight. Cord grip range is #1 AWG-250 MCM 1.00-2.5 in. (25.4-6.35).	**M5200CS1R**
Gray/yellow metallic, watertight dockside plug with locking ring to make plug/receptacle interface watertight. Cord grip range is #1 AWG-250 MCM 1.00-2.5 in. (25.4-6.35).	**M5200PS1**
Gray metallic, watertight dockside receptacle with wing nut-secured lid for water tightness when not in use.	**M5200RS1**
Gray/yellow metallic, watertight dockside connector body with wing nut-secured lid for water tightness when not in use. For making plug/connector body interface on extension cords or adapters.	**M5200CS1**

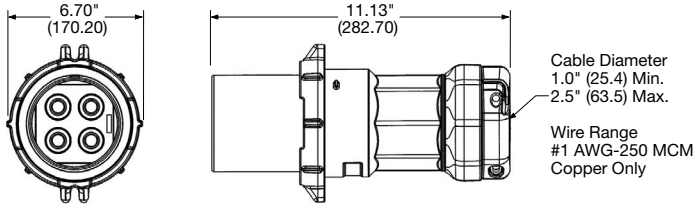
200A Back Boxes

Description	Catalog Number
Gray metallic back box for inlets and receptacles has 45° angle section which can be installed in any of 4 positions, 2 in. NPT hub.	**MB2003W**
Gray metallic back box – same as above but 2½ in. NPT hub.	**MB2004W**

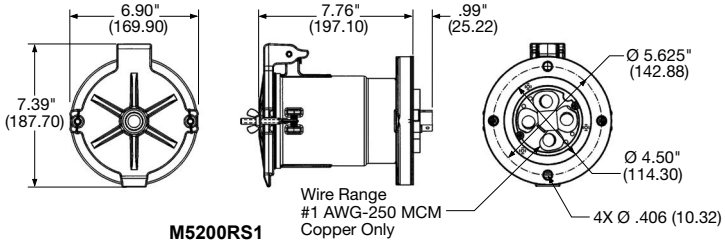
Product Dimensions Inches (mm)



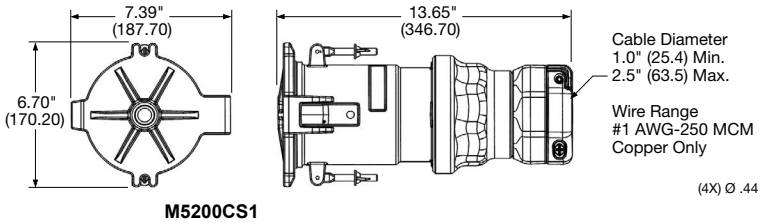
M5200BS1R



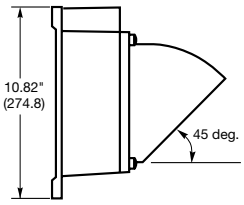
M5200CS1R, M5200PS1

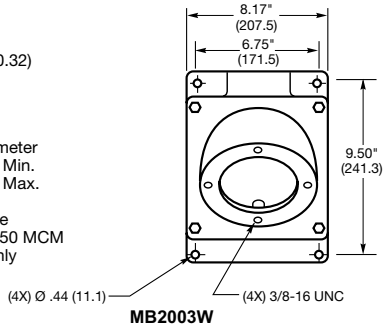


M5200RS1



M5200CS1





MB2003W



M5200BS1R



M5200CS1R



M5200PS1



M5200RS1



M5200CS1



MB2003W

Dimensions in Inches (mm)

UL Classified to IEC 60309-1 and 60309-2

Features and Benefits

Internationally Rated Conventional-Styled Devices

Hubbell offers the only CE certified electrical shore power systems truly dedicated for boats destined for Europe and the International community. Hubbell's offering of international shore power inlets are available in traditional #316 stainless steel and attractive white non-metallic types resembling our domestic offering in style and appearance but are not interchangeable with the domestic shore power system.

Utilizing standard NEMA (National Electrical Manufacturer's Association) configurations not typically used in the marine market, Hubbell can offer a safe and non-interchangeable 16 amp 230 volt system and 32 amp 230 volt system for use with 50 cycle systems. The system includes white power supply cables (one-end, female only) in both the 16 amp and 32 amp categories.

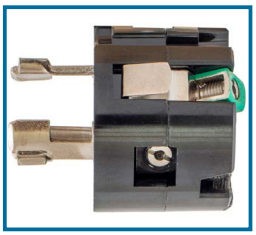
Hubbell also offers a series of Internationally Rated Pin and Sleeve Devices, available in 16A, 32A and 63A 240V, these devices are interchangeable with other manufactures of UL1686 C1 devices.





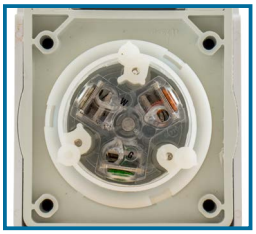
Housing Design

- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inleet is not in use



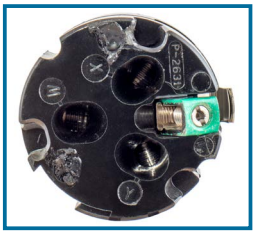
Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Watertight seal when in use, threaded base mates to the threaded ring of the watertight cover on the connector body; when not in use, it mates to the threaded cover



Housing Design

- White Centrex® cover and PBT base, weatherproof when closed
- Easy to wire polycarbonate interior is heat resistant and clear for visual inspection (16 amp and 32 amp)



Terminations (63 Amp)

- Thermoset contact carrier is arcing and heat resistant
- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance



HBL320R6W



HBL320B6W



HBL320C6W



HBL320P6W

IP66
SUITABILITY

Internationally Rated* Pin and Sleeve Devices, 2 Pole Plus Earth (⏚)

***Now Dual-Rated to match North American Configurations as well as International**

Description	16A / 20A	30A / 32A	60A / 63A
		220-240V / 250V	
Shore power inlet with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion.	**HBL320B6W**	**HBL330B6W**	**HBL360B6W**
Connector body with cord grip range of .36–.83 in. (9.1-21.1).	**HBL320C6W**	**HBL330C6W**	**HBL360C6W**
Shore power receptacle with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion.	**HBL320R6W**	**HBL330R6W**	**HBL360R6W**
Plug with cord grip range of .36–.83 in. (9.1-21.1).	**HBL320P6W**	**HBL330P6W**	**HBL360P6W**
Closure plug for inlets.	**PC320****	**PC3430****	**PC60****
Back box for inlets and receptacles is cast aluminum with corrosion-resistant alkyd-based enamel finish and two ¾ in. NPT hubs.	**BB201W**	**BB301W**	**BB601W**
Feed-thru box for inlets and receptacles is cast aluminum with corrosion-resistant alkyd-based enamel finish and one ¾ in. NPT hubs.	**FT202W**	**FT202W**	**FW60100**

*Note: **Not CSA Certified.*

Centrex® is a registered trademark of LANXESS Corporation.

Internationally Rated Conventional-Styled Devices

Twist-Lock® Devices, Ship-To-Shore Power System

Description	16A 230V	32A 230V, 50 Cycle
Non-metallic, white, stylized, UV resistant shore power inlet. White Centrex® cover makes the inlet weatherproof when closed. Mounting holes are 2.38 in. (60.3) on centers and match most existing mounting patterns. Rear enclosure strain/relief cap is provided. **IP55 SUITABILITY.**	**HBL316NM**	**HBL332NM**
Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. **IP56 SUITABILITY.**	**HBL316SSX**	**HBL332SSX**
Yellow locking connector replacement end for HBL316CS25 and HBL316CS. **IP20 SUITABILITY.**	**HBL316CRCX**	**HBL332CRCX**
White Seal-Tite® cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. **IP56 SUITABILITY.**	**HBL60CM33W**	**HBL60CM33W**
White Seal-Tite® cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. **IP56 SUITABILITY.**	**HBL60CM33**	**HBL60CM33**



HBL316NM
HBL332NM



HBL316SSX
HBL332SSX



HBL316CRCX
HBL332CRCX



HBL60CM33
HBL60CM33W



HBL363SSX



63A
230V

63A 230V Ship-To-Shore Power Systems

Description	Catalog Number
Traditional, stainless steel shore power inlet, including higher-quality metal threads, heat-resistant thermoset interior and box lug terminals. **IP56 SUITABILITY.**	**HBL363SSX**
Nickel plated brass plug with heat-resistant thermoset interior and box lug terminals cord grip range is .44 – 1.14 in. (11.1 - 29.0). **IP55 SUITABILITY.**	**HBL363CRP**
Nickel plated brass connector body with heat-resistant thermoset interior and box lug terminals. Cord grip range is .44 – 1.14 in. (11.1 - 29.0). **IP55 SUITABILITY.**	**HBL363CRC**
Single receptacle with heat-resistant thermoset base. **IP20 SUITABILITY.**	**HBL363CRR**
Yellow Seal-Tite® cover for connector bodies when used with 63A shore power inlets. Stainless steel threaded sealing ring makes connections watertight. **IP56 SUITABILITY.**	**HBL77CM15**
Same as HBL77CM15 except white in color.	**HBL77CM15W**
Yellow Seal-Tite® cover for 63A plugs. **IP55 SUITABILITY.**	**HBL77CM16**
Same as HBL77CM16 except white in color.	**HBL77CM16W**



HBL363CRP



HBL363CRC



HBL363CRR



HBL77CM15



HBL77CM16W

Centrex® is a registered trademark of LANXESS Corporation.

Features and Benefits

Intelligent Y Adapters

YQ230 - Safely powers a 50A 125/250V AC boat from two 30A 125V AC receptacles at dockside.*

Problem: A boat owner with one electrical system on board docks in a marina that can only provide a different electrical system.

Solution: Use of the Hubbell YQ series of Intelligent Adapters can correct many electrical system mismatches.

*Note: *The two 30 amp receptacles must be on separate phases to function.*

IMPROVED DESIGN



YQ230



Housing Design

- Rugged UV resistant high-impact housing
- Environmentally sealed against humidity, fog and rain
- Cord clamps prevent strain on terminals
- Sealing grommets keep moisture out



Safety

- Safety indicator light, (when ON, safe operation is indicated)
- 3 pole contactor breaks both hots and neutrals to prevent possibility of "live" plug when not engaged

Intelligent Y Adapters

Description	Catalog Number
Adapter that permits use of 50A 125/250V AC cable set. (HBL61CM52), with two 30A 125V AC receptacles, HBL26CM10.	**YQ230**
Adapter that permits use of 100A 125/250V AC cable set. (CS754, CS1004) with one or two 50A 125/250V AC receptacles, HBL63CM69.	**YQ100PLUS**

Note: The YQ230 Adapter will only work with two 30A receptacles that are on different phases.
The YQ100PLUS Adapter must be plugged into two 50A 125/250V AC receptacles that are on the same phase to achieve 100 amp, 125/250 volts power —or the "A" leg 50A male can be plugged into a single 50A 125/250V AC receptacle to achieve 50 amp, 125/250 volts power.

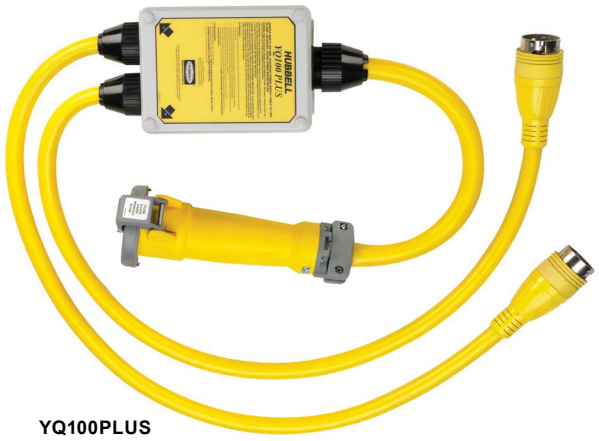
Intelligent Y Adapters

YQ100PLUS - Safely powers a 100A 125/250V AC boat from two 50A 125/250V AC receptacles at dockside -or- from a single 50A 125/250V AC receptacle acting as a single adapter.

Internal Logic Senses That:

- Both plugs are fully engaged (i.e., one is not dangling loose while the other is plugged in) -or- the "A" leg plug is engaged to access a single 50A 125/250V receptacle
- The polarity of the receptacle on the dock is correct (i.e., no mis-wiring of the hot and neutral wires)
- The two receptacles are from correct phases

CAUTION: This adapter must be connected to an onboard, center-tapped isolation transformer or shore power converter. DO NOT USE this adapter if such a transformer or converter is not available.



YQ100PLUS



Housing Design

- Rugged, smaller, lighter-weight enclosure
- Environmentally sealed against humidity, fog and rain
- Sealing grommets keep moisture out



Safety

- Indicator lights indicate correct polarity and safe operation
- "A" leg for accessing a single 50A 125/250V receptacle

Features and Benefits

Hubbell Molded Adapters

Hubbell Straight Adapters (pigtails) and "Y" Adapters are built to the same standards as all Hubbell Shore Power Cords.

Filled with end-to-end features and weathertight when mated with Hubbell shore cords without the need for extra collars, etc.

Hubbell Marine Adapters deliver the power you need.

- Available in a variety of configurations
- Now CSA Compliant





Housing Design

- Fully molded fittings (except 100A) for superior waterproofing and durability
- Hubbell adapters are weatherproof when mated with Hubbell cable sets



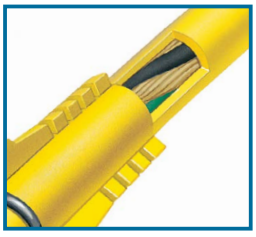
Interior Design

- Terminations utilize exclusive copper crimp barrel terminations, holds over 300% more securely
- Bull ring for strain relief on the terminals
- Nickel plated brass contact blades for corrosion-resistance



Safety

- Provides 15 amp convenience power with GFCI protection
- Manual reset button
- High impact PVC housing, UV stabilized
- Sealed GFCI housing and keypad
- Large LED power "ON" light



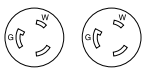
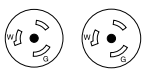
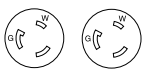
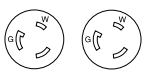
Cord Flexibility

- Molded-in flex feature controls the angle of cord entry and keeps water out
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter

Adapter Selection Guide

Boat/Cable Set Side Connector Body (Female End)	Molded Straight Adapters		Power Center/Dock Side Plug (Male End)
15A 125V, 2P 3W Straight Blade with GFCI protection		**HBL105GF**	 30A 125V, 2P 3W Twist-Lock®
30A 125V, 2P 3W Twist-Lock		**HBL61CM22** **HBL61CM22W**	 15A 125V, 2P 3W Straight Blade (lock type)
30A 125V, 2P 3W Twist-Lock		**HBL61CM25**	 20A 125V, 2P 3W Twist-Lock
50A 125V, 2P 3W Twist-Lock		**HBL61CM54**	 15A 125V, 2P 3W Straight Blade
30A 125V, 2P 3W Twist-Lock		**HBL61CM55**	 50A 125V, 2P 3W Twist-Lock
50A 125V, 2P 3W Twist-Lock		**HBL61CM56**	 30A 125V, 2P 3W Twist-Lock
30A 125V, 2P 3W Twist-Lock		**HBL61CM71**	 50A 125/250V, 3P 4W Twist-Lock
50A 125V, 2P 3W Twist-Lock		**HBL61CM72**	 50A 125/250V, 3P 4W Twist-Lock
100A 125/250V, 3P 4W Pin and Sleeve		**HBL61CM100**	 50A 125/250V, 3P 4W Twist-Lock

Molded Y Adapters

(2) 30A 125V, 2P 3W Twist-Lock		**HBL64CM54**	 50A 125/250V, 3P 4W Twist-Lock
(2) 50A 125V, 2P 3W Twist-Lock		**HBL64CM55**	 50A 125/250V, 3P 4W Twist-Lock
(2) 30A 125V, 2P 3W Twist-Lock		**HBL64CM56**	 30A 125V, 2P 3W Twist-Lock
(2) 30A 125V, 2P 3W Twist-Lock		**HBL64CM57**	 50A 125V, 2P 3W Twist-Lock

One Piece Adapters

30A 125V, 2P 3W Twist-Lock		**HBL31CM28**	 15A 125V, 2P 3W Straight Blade
15 or 20A 125V, 2P 3W Straight Blade		**HBL31CM29**	 30A 125V, 2P 3W Twist-Lock
20A 125V, 2P 3W Twist-Lock		**HBL21CM28**	 15A 125V, 2P 3W Straight Blade
15 or 20A 125V, 2P 3W Straight Blade		**HBL21CM29**	 20A 125V, 2P 3W Twist-Lock

Note: See page AA-27 for features and benefits.
See page AA-29 for photographs and descriptions.

Molded Adapters

Molded Straight Adapters — Now CSA Compliant

Description	Catalog Number
Permits use of 20A 125V Twist-Lock® locking type plug with 15 or 20A 125V straight blade receptacle. **IP20 SUITABILITY.**	**HBL21CM28***
Permits use of 15A or 20A 125V straight blade plug with 20A 125V Twist-Lock locking type receptacle. **IP20 SUITABILITY.**	**HBL21CM29***
Permits use of 30A 125V Twist-Lock locking type plug with 15 or 20A 125V straight blade receptacle. **IP20 SUITABILITY.**	**HBL31CM28**
Permits use of 15A or 20A 125V straight blade plug with 30A 125V Twist-Lock locking type receptacle. **IP20 SUITABILITY.**	**HBL31CM29**
Permits use of 30A 125V cable set, HBL61CM08 with 15 or 20A 125V straight blade receptacle. Anchor locking screw on plug when screwed down resists pullout of the cable set. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM22**
Same as HBL61CM22, except white.	**HBL61CM22W**
Permits use of 30A 125V cable set, HBL61CM08 with 20A 125V Twist-Lock receptacle, HBL23CM10. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM25**
Permits use of 50A 125V cable set, HBL61CM53 with 15 or 20A 125V straight blade receptacle. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM54**
Permits use of 30A 125V cable set, HBL61CM08 with 50A 125V Twist-Lock receptacle, HBL63CM70. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM55**
Permits use of 50A 125V cable set, HBL61CM53 with 30A 125V Twist-Lock receptacle, HBL26CM10. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM56**
Permits use of 30A 125V cable set, HBL61CM08 with 50A 125/250V Twist-Lock receptacle, HBL63CM69. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM71⅄**
Permits use of 50A 125V cable set, HBL61CM53 with 50A 125/250V Twist-Lock receptacle, HBL63CM69. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM72⅄**
Permits use of 15A 125V 3 wire straight blade plug with 15 or 20A 125V 2 wire straight blade receptacle. **IP55 SUITABILITY (CONNECTOR).**	**HBL5273L***
Permits a 100A 125/250V cable set to plug into a single 50A 125/250V outlet. **IP55 SUITABILITY (CONNECTOR).**	**HBL61CM100****
Permits use of 15A straight blade plug with 30A 125V Twist-Lock receptacle; with GFCI protection. **IP55 SUITABILITY (PLUG).**	**HBL105GF****

Molded Y Adapters — Now CSA Compliant

Description	Catalog Number
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125/250V receptacle, HBL63CM69. **IP55 SUITABILITY (CONNECTORS).**	**HBL64CM54**
Permits use of two 50A 125V cables sets, HBL61CM53, with one 50A 125/250V receptacle, HBL63CM69. **IP55 SUITABILITY (CONNECTORS).**	**HBL64CM55**
Permits use of two 30A 125V cable sets, HBL61CM08, with one 30A 125V receptacle, HBL26CM10. **IP55 SUITABILITY (CONNECTORS).**	**HBL64CM56**
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125V receptacle, HBL63CM70. **IP55 SUITABILITY (CONNECTORS).**	**HBL64CM57****

*Note: *UL Listed.*
***Not CSA Certified.*
⅄ The male plug end (50A 125/250V) has a blade removed and the blade slot filled with epoxy. Omitting the blade ensures achieving 125V safely.
Adapters do not provide overcurrent protection and do not provide GFCI protection except HBL105GF.


HBL31CM28


HBL21CM29


HBL61CM22


HBL61CM25


HBL61CM56


HBL61CM100


HBL105GF


HBL64CM54


HBL64CM55


HBL64CM56


HBL64CM57

Features and Benefits

Hubbell Marine Isolation Transformers

Hubbell Isolation Transformers can protect your vessel's sensitive electronic equipment from damaging electrical spikes or surges. These transformers will also convert various dockside power systems to the 120/240 volt power required to operate all of the equipment on board.

And most importantly, Hubbell Isolation Transformers greatly reduce the possibility of stray current leaking from your boat's electrical system into the water, which could otherwise result in Electrical Shock Drowning (ESD) or electrocution.

Available Options:

- Available in White Powder Coated Steel or #316 Stainless Steel Housing
- 15 kVA and 25 kVA Models
- 60 Hz and 50/60 Hz Models
- 12.5% Taps

Constant Clean Safe Power



Standard White Powder Coated Steel Housing



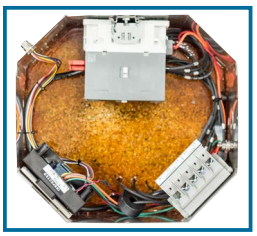
Housing Design

- Available in #316 stainless steel or white powder coated steel finish
- Compact size and weight



Exterior Design

1. Easy access wiring chamber/drip lid
2. Auto boost connector
3. 1" and 1½" knockouts
4. Weep holes



Neatly Routed Wiring Chamber

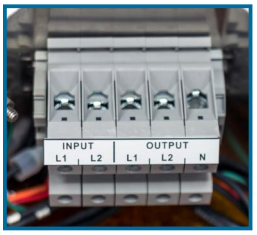
(Top view with cover removed)

- Easy access wiring chamber
- Pre-wired for 120/240 volt applications



Safety/Installation

- Mounting brackets
- Vibration resistant



Interior Design

- Main module cleanly mounted in easy access wiring chamber
- High-quality terminal block for wire management
- Sand-filled and epoxy topped
- Auto-boost/remote cable receptacle



Auto-Boost Unit

- Factory programmed module automatically boosts voltage up to 12.5% if the reading at the dock falls between 195 – 220 Volts.

Constant Clean Safe Power

Hubbell Marine Isolation Transformers

15 kVA and 25 kVA Models

- Protects Sensitive Equipment on Board
- Virtually Eliminates Potential for In-Water Stray Current
- Can be wired per ABYC E-11 for either a Polarization or Isolation Transformer system

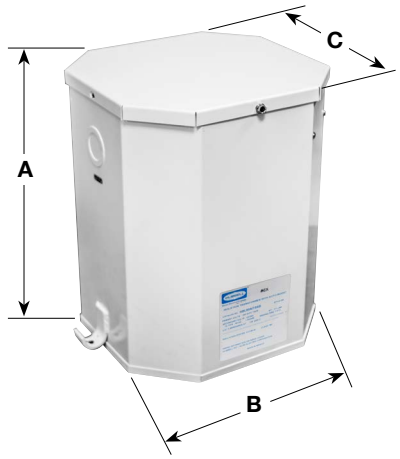


Isolation Transformers

Description	Weight (Lbs.)	Color	60 Hz Catalog Number	50/60 Hz Catalog Number
15 kVA isolation transformer.	170	White powder coated steel	**HBL50AITW**	**HBL32AITW**
15 kVA isolation transformer.	170	#316 Stainless steel	**HBL50AITSS**	**HBL32AITSS**
15 kVA isolation transformer with auto-boost.	175	#316 Stainless steel	**HBL50AITSSB**	**HBL32AITSSB**
25 kVA isolation transformer.	250	White powder coated steel	**HBL100AITW**	**HBL63AITW**
25 kVA isolation transformer.	250	#316 Stainless steel	**HBL100AITSS**	**HBL63AITSS**
25 kVA isolation transformer with auto-boost.	255	#316 Stainless steel	**HBL100AITSSB**	**HBL63AITSSB**

Product Dimensions Inches (mm)

Description	Weight (Lbs.)	A - Height	B - Width	C - Depth
15 kVA Models	170	16.94" (43.0)	14.12" (35.9)	11.59" (29.4)
25 kVA Models	250	18.44" (46.8)	16.13" (41.0)	13.34" (33.9)



Recommended Seal-tite Cord Connectors

- For input and output cables
- Straight connectors for 1 and 1½ inch KOs

Cord Connectors

Description	NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Cast Aluminum Catalog Number
Straight male connectors	1	1.13"-1.25"	(28.6-31.7)	F5	**SHC1048***
	1½	1.25"-1.38"	(31.7-34.9)	F5	**SHC1059**
	1½	1.38"-1.50"	(34.9-38.1)	F6	**SHC1061**

*Note: *Cable jacket may have to be stripped to pass through connector body.*



Dimensions in Inches (mm)

Telephone and Cable TV Devices



HBLPHTVNM



HBLPHTVSS



HBLTVSS



PH6625



PH6624



PH7440

Telephone and Cable TV Ship-to-Shore Devices

Description	Catalog Number
Stylized non-metallic inlet provides telephone and cable TV connections in one unit. UV resistant white Centrex® cover makes unit weatherproof when completely closed. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket provided. **IP55 SUITABILITY.**	**HBLPHTVNM**
Traditional stainless steel inlet provides connections for telephone and cable TV in one unit. Connections can be used individually or together. Gasketed cover is self-closing so interior is shielded from the elements when not in use. Watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. **IP56 SUITABILITY.**	**HBLPHTVSS**
Same as HBLPHTVSS above except no phone.	**HBLTVSS**
Replacement int. for PH6594TV and HBLPHTVSS series inlets.	**CR16914**
Black locking type plug for telephone cable sets or adapters.	**PH6625**
Black locking type connector body used on telephone cable sets or adapters.	**PH6624**
Yellow Seal-Tite® cover for weatherproofing PH6624 connector body on cable sets when connecting to an inlet and for weather-proofing PH6625 plug. **IP20 SUITABILITY.**	**PH7440**
Yellow Seal-Tite cover for weatherproofing PH6624 connector body when used on extension cords or adapters. **IP55 SUITABILITY.**	**PH7499**
Factory pre-wired 50 ft. (15.2m) telephone cable set. Uses 3 conductor, #16 AWG type SJTO, yellow vinyl cord for marine and recreational vehicle applications. **IP20 SUITABILITY.**	**PH6599**
Same as PH6599 except white in color.	**PH6599W***
Same as PH6599 except 25 ft. (7.6m) in length.	**PH6598**
Same as PH6598 except white in color.	**PH6598W***

*Note: *Discontinued.*



PH6599
PH6598

Centrex® is a registered trademark of LANXESS Corporation.

Telephone and Cable TV Devices

Telephone and Cable TV Ship-to-Shore Devices

Description	Catalog Number
Black polycarbonate combination telephone/TV outlet with spring-loaded weatherproof lift cover. Can be wired for telephone service only or for telephone and MATV/CATV services in one FS/FD box in both marinas and RV parks. Can be padlocked to prevent unauthorized use. **IP44 SUITABILITY.**	**PH6597TV**
Black polycarbonate cable TV outlet has coax connector and gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes in both marinas and RV parks. **IP20 SUITABILITY.**	**TV97**
Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes in both marinas and RV parks. **IP20 SUITABILITY.**	**PH6597**
Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Can be used to retrofit old style telephone outlets of Pauluhn Manufacturing Company (2833 and 2843) in both marinas and RV parks. **IP20 SUITABILITY.**	**PH6596**
Black polycarbonate RV inlet for telephone connection only. Has spring-loaded, gasketed weatherproof lift cover designed for mounting to FS/FD type weatherproof boxes. **IP20 SUITABILITY.**	**PH6595**
50 ft. (15.2m) yellow jacketed ship-to-shore TV cable set is the industry standard 75 Ohm, RG59-U with male plugs on both ends. Adapter included for a quick, slip-on connection to inlet on boat.	**TV99**
Same as TV99 except white in color.	**TV99W**
Same as TV99 except 25 ft. (7.6m) in length.	**TV98**
Same as TV98 except white in color.	**TV98W**



PH6597TV



TV97



PH6597



PH6596



PH6595



TV99
TV99W
TV98
TV98W

30 Amp 28 Volt DC Rated

Electric Fishing Reel Devices

Hubbell has a DC rated electrical system designed specifically for larger electric fishing reel systems. Up until now, larger electric fishing reel systems typically utilized conventional 30 Amp AC rated devices since an appropriately rated DC system was not available.

The system features a corrosion-resistant plug, connector body and receptacle and can be used along with a Hubbell outlet box and weatherproof cover plate to complete the installation. These devices are all rated at 28 Volt DC and applicable for all 12, 24 and 32 Volt DC fishing reel systems. The devices are UL listed and CSA certified. All devices are made of high-visibility yellow nylon that is impact resistant and UV stabilized for longer life. Also, the contacts are nickel plated for corrosion resistance.







HBL328DCR



HBL328DCP



HBL328DCC

30A 28V DC Rated Devices

Description	Catalog Number
Yellow locking single receptacle with abuse-resistant face. Can be mounted in Hubbell box HBL6083 and used wit HBL74CM25WOA weatherproof plate.	**HBL328DCR**
Same as HBL328DCR except white in color.	**HBL328DCRW**
Yellow locking plug has rugged nylon housing and rear dust seal to keep dust and foreign matter out.	**HBL328DCP**
Same as HBL328DCP except white in color.	**HBL328DCPW**
Yellow locking connector body has rugged, nylon housing and rear dust seal to keep dust and foreign matter out.	**HBL328DCC**

Accessories

Description	Catalog Number
Gray, high-impact thermoplastic FD (deep) weatherproof box with ¾ in. (19.1) NPT threaded hub, with 30 cubic inch capacity.	**HBL6083**
Same as HBL6083 except yellow in color.	**HBL60CM83A**
Same as HBL6083 except white in color.	**HBL60CM83WA**
Spring-loaded lift cover, for weatherproofing HBL328DCR outlet. Yellow in color.	**HBL74CM25WOA**
Same as HBL74CM25WOAW except white in color.	**HBL74CM25WOAW**
Same as HBL74CM25WOAW except gray in color.	**HBL7425WOA**

Note: See page AA-50 for 55° angle adapters and additional accessories.

IMPROVED DESIGN



HBL60CM83A



HBL74CM25WOA



HBL74CM25WOAW

12 Volt DC Rated Switches

KEY CHART



M11SP

1. Toggle switch
Fits panels up to ¼ in. thick when not using the back-up nut provided; fits panels up to 3/16 in. thick when using the back-up nut. Requires a ½ in. mounting hole.



M11LRGSP

2. Lighted toggle switch
Built-in pilot light (R=red, G=green) for night vision. Same panel specs as 1.



M11LTR

3. Lighted-tip toggle switch
Red pilot light visible in tip of toggle only. Same panel specs as 1.



MR11SP

4. Rocker switch
Requires a 1½ in. high x 7/8 in. wide rectangular opening.



MR123LRSP

5. Lighted rocker switch
Built-in pilot light for night vision. Same panel specs as 4.

Panel Mount Toggle and Rocker Switches

Description	Typical Applications	Key	Catalog Number
Single pole, single throw, ON/OFF.	Lights, bilge blower, bilge pump(s), accessories	1 2 2 3 4 5	**M11SP** **M11LRSP** **M11LRGSP** **M11LTR** **MR11SP** **MR11LRSP**
Single pole, single throw, ON/OFF/ON.	Horn, starter, winches, gauges		**M11MSP** **MR11MSP**
Single pole, double throw, ON/OFF/ON.	Bilge pumps, speed selector, lights, navigation lights		**M123SP** **M123LTR** **MR123SP** **MR123LRSP**
Single pole, double throw, Momentary ON/OFF/ON.	Bilge pumps	1 4	**M123MSP** **MR123MSP**
Single pole, double throw. Momentary ON/OFF/Momentary ON.	Trim Tabs	1 4	**M123MMSP** **MR123MMSP**
Double pole, single throw, ON/OFF.	Lights, accessories	1 4	**M21SP** **MR21SP**
Double pole, double throw, ON/OFF/ON.	Navigation lights, wipers, dual fuel tanks	1 4	**M223SP** **MR223SP**
Double pole, double throw, ON/OFF/ON (with jumper).	Navigation lights, windlass	1	**M223JSP**
Double pole, double throw. Momentary ON/OFF/Momentary ON.	Winches, trim tabs, dual fuel tanks	1 4	**M223MMSP** **MR223MMSP**
Black silicone rubber boot bonded to brass nut.	Provides positive seal against moisture, oil, etc. Fits any non-lighted toggle switch.		**MSB1**
Push-button horn switch with 15/32 in. long nickel plated brass mounting stem. Terminals are .25 in. spade.	For remote operation of horn.		**MH11**
Black push-button (horn) boot.	Fits MH11 horn switch.		**MHB11**



M11SP



MR11SP



M21SP



M223SP



MSB1

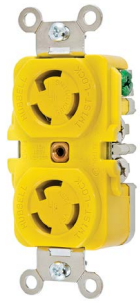


MH11



MHB11

15 Amp Twist-Lock® Devices and Accessories



HBL47CM00



HBL47CM20C



HBL47CM29C



HBL47CM15



HBL47CM16



15A 125V
NEMA L5-15R
UL/CSA

15A 125V AC Twist-Lock® Devices

Description	Catalog Number
Yellow duplex receptacle has heat resistant body. **IP20 SUITABILITY.**	**HBL47CM00**
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.**	**HBL47CM20C**
Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.**	**HBL47CM29C**
Panel mount flanged outlet has heat resistant melamine interior and stainless steel casing. **IP20 SUITABILITY.**	**HBL47CM15**
Panel mount flanged inlet has heat resistant melamine interior and stainless steel casing. **IP20 SUITABILITY.**	**HBL47CM16**

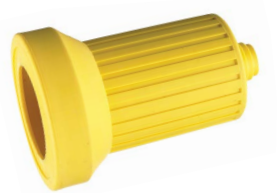
Accessories

Description	Catalog Number
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 SUITABILITY.**	**HBL52CM21**
Same as HBL52CM21 except white in color	**HBL52CM21W**
Same as HBL52CM21 except gray in color.	**HBL5221**
Same as HBL52CM21 except for mounting to standard boxes.	**HBL52CM22**
Same as HBL52CM22 except gray in color.	**HBL5222**
Short yellow Seal-Tite® cover for weatherproofing HBL47CM20C Insulgrip plug when used with receptacles or connector bodies. Also can be used to weatherproof HBL47CM29C Insulgrip connector body when used with HBL47CM16 flanged inlet. **IP44 SUITABILITY.**	**HBL60CM23****
Yellow Seal-Tite cover for weatherproofing HBL47CM29C Insulgrip connector body when used on extension cords and adapters. **IP20 SUITABILITY.**	**HBL60CM24****

*Note: **Not UL Listed or CSA Certified.*



HBL60CM23



HBL60CM24



HBL52CM21W

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

15 Amp Straight Blade Devices and Accessories

15A 125V AC Straight Blade Devices



15A 125V
NEMA 5-15R
UL/CSA

Description	Catalog Number
Yellow corrosion-resistant/weather resistant duplex receptacle. Use outdoors or where salt and other corrosive materials are a problem. Accepts 15A 125V, 2 pole 3 wire straight blade plugs. **IP20 SUITABILITY.**	**HBL52CM62**
Same as HBL52CM62 except ivory in color.	**HBL52CM62I**
Single version of HBL52CM62 duplex yellow receptacle. **IP20 SUITABILITY.**	**HBL52CM61**
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief. **IP20 SUITABILITY.**	**HBL52CM66C**
Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief. **IP20 SUITABILITY.**	**HBL52CM69C**
Yellow Valise® plug has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8). **IP20 SUITABILITY.**	**HBL52CM66V**
Yellow Valise connector body has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8). **IP20 SUITABILITY.**	**HBL52CM69V**
Yellow Insulgrip plug with anchor locking screw to prevent accidental pull-out. The plug is "locked" into the receptacle when the screw is turned down so the head is flush with the plug surface. The cord grip range is .30–.69 in. (7.5–17.4). UL Recognized Component. **IP20 SUITABILITY.**	**HBL52CM80C**
Compact gray nylon panel mount inlet ideal for bass boat battery charging connection. Has gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Will accept both 15A 125V and 20A 125V, 2 pole 3 wire straight blade connector bodies. **IP44 SUITABILITY.**	**HBL61CM64**
Same as HBL61CM64 except black in color.	**HBL61CM64BK**

Note: See page Tech-10 for Weather Resistant description.



HBL52CM62 **HBL52CM61**


HBL52CM66C


HBL52CM69C


HBL52CM80C

Accessories

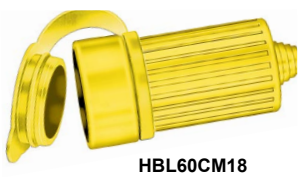
Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip plugs, HBL52CM66C and HBL53CM66C, when used with receptacles and connector bodies. Can also be used to weatherproof Insulgrip connector bodies when mating with flanged inlets. **IP44 SUITABILITY.** Note: For Insulgrip devices only.	**HBL60CM17****
Yellow Seal-Tite cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. **IP55 SUITABILITY.** Note: For Insulgrip devices only.	**HBL60CM18****
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 SUITABILITY.**	**HBL52CM21**
Same as HBL52CM21 except gray in color.	**HBL5221**
Same as HBL52CM21 except for mounting to standard boxes.	**HBL52CM22**
Same as HBL52CM22 except gray in color.	**HBL5222**
Yellow Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	**HBL74CM23WO**
Same as HBL74CM23WO except gray in color.	**HBL7423WO**

*Note: **Not UL Listed or CSA Certified.*


HBL52CM66V


HBL52CM69V


HBL60CM17


HBL60CM18
HBL60CM19


HBL52CM21


HBL74CM23WO


HBL61CM64

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Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

20 Amp Twist-Lock® Devices and Accessories

Plugs, receptacles and connectors only.



20A 125V
NEMA L5-20R
UL/CSA



HBL23CM10



HBL23CM11



HBL23CM13



HBL23CM11V



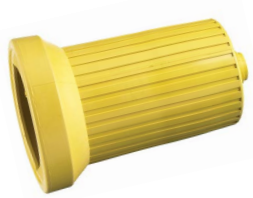
HBL60CM31



HBL60CM31V



HBL60CM32



HBL60CM32V



HBL74CM25WOA

20A 125V Twist-Lock® Devices

Description	Catalog Number
Yellow single receptacle has Rynite® body and abuse resistant nylon face. **IP20 SUITABILITY.**	**HBL23CM10**
Yellow Insulgrip® plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.**	**HBL23CM11**
Yellow Insulgrip connector body has rugged nylon housing and cord with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.**	**HBL23CM13**
Yellow Valise plug has one-piece nylon housing, assembles easily with two screws. Built-in cord grip has range of .33–.72 in. (8.3–18.2). **IP20 SUITABILITY.**	**HBL23CM11V**

Accessories

Description	Catalog Number
Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL23CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	**HBL74CM25WOA**
Same as HBL74CM25WOA except gray in color.	**HBL7425WOA**
Same as HBL74CM25WOA except white in color.	**HBL74CM25WOAW**
Yellow Seal-Tite® cover for weatherproofing HBL26CM11 or HBL23CM11 plugs. **IP44 SUITABILITY.** Note: Fits Insulgrip devices only.	**HBL60CM31****
Same as HBL60CM31 except white in color.	**HBL60CM31W****
Yellow Seal-Tite cover for weatherproofing HBL26CM13 or HBL23CM13 connector bodies when used on extension cords or adapters. **IP44 SUITABILITY.** Note: Fits Insulgrip devices only.	**HBL60CM32****
Yellow vinyl Seal-Tite cover for weatherproofing HBL23CM13V or HBL26CM13V connector bodies. **IP44 SUITABILITY.** Note: Fits Valise® devices only.	**HBL60CM32V****
Yellow Seal-Tite cover for weatherproofing HBL23CM11V or HBL26CM11V plugs. **IP44 SUITABILITY.** Note: Fits Valise devices only.	**HBL60CM31V****

*Note: **Not UL Listed or CSA Certified.*

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20 Amp Straight Blade Devices and Accessories



20A 125V
NEMA 5-20R
UL/CSA

20A 125V AC Straight Blade Devices

Description	Catalog Number
Yellow corrosion-resistant/weather resistant duplex receptacle. Use outdoors or where salt and other corrosive materials are a problem. Accepts both 20A 125V and 15A 125V, 2 pole 3 wire straight blade plugs. **IP20 SUITABILITY.**	**HBL53CM62**
Single version of HBL53CM62 duplex yellow receptacle. **IP20 SUITABILITY.**	**HBL53CM61**
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.**	**HBL53CM66C**
Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement for secure strain relief. **IP20 SUITABILITY.**	**HBL53CM69C**
Compact gray nylon panel mount outlet ideal for electric trolling motors and reel applications. Features gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Accepts both 20A 125V and 15A 125V, 2 pole 3 wire straight blade plugs. **IP44 SUITABILITY.**	**HBL61CM65**

Note: See page Tech-10 for Weather Resistant description.



HBL53CM62 **HBL53CM61**



HBL53CM66C



HBL53CM69C

Accessories

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip plugs, HBL52CM66C and HBL53CM66C, when used to mate receptacles and connector bodies. Can also be used with Insulgrip connector bodies when mating with flanged inlets. **IP44 SUITABILITY.** Note: For Insulgrip devices only.	**HBL60CM17****
Yellow Seal-Tite cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. **IP55 SUITABILITY.** Note: For Insulgrip devices only.	**HBL60CM18****
Yellow closure plug used with HBL60CM18 long Seal-Tite cover to prevent water from entering front of device when not in use. **IP55 SUITABILITY.**	**HBL60CM19****
Yellow polycarbonate spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 SUITABILITY.** Not CSA certified.	**HBL52CM21**
Same as HBL52CM21 except white in color.	**HBL52CM21W**
Same as HBL52CM21 except gray in color.	**HBL5221**
Same as HBL52CM21 except for mounting to standard boxes.	**HBL52CM22**
Same as HBL52CM22 except gray in color.	**HBL5222**
Yellow polycarbonate spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.** Not CSA certified.	**HBL74CM23WO**
Same as HBL74CM23WO except gray in color.	**HBL7423WO**

*Note: **Not UL Listed or CSA Certified.*



HBL52CM66V



HBL52CM69V



HBL61CM65



HBL60CM17



HBL52CM21



HBL52CM21W



HBL74CM23WO



HBL7423WO

Rynite® is a registered trademark of E. I. DuPont.

Circuit Testers

Hubbell Twist-Lock® Circuit Tester

The Hubbell Twist-Lock® Tester is an exclusive patented design that easily tests the circuit condition without the need for traditional measurement techniques. Whether it is a boater, marina operator or electrician, knowing that power is present at any receptacle or connector is critical. By plugging the tester into an outlet, an LED output will immediately provide the state of the circuit.

An easy to read card is provided with the tester, to help determine if the connections are made properly and in the correct position. This unique NEMA configuration ensures that the proper connection was made through an easy to read output display. It also easily attaches to a tool belt so it is available when needed.



For Testing the Wiring Condition of Receptacles and Connectors

- Quickly diagnose mis-wiring situation or application
- Great for dark, difficult to reach spaces
- No measurement readings to interpret
- Easy to read LED output and condition tables
- Insulgrip® nylon housing for secure gripping
- Carabiner style clip to secure to work belt
- UL 1436 listed



HBLT26CM11

Hubbell Twist-Lock® Circuit Tester

Description	Catalog Number
Styled and sized like a standard Hubbell Twist-Lock® Plug. Simply plug it in and the LED back panel immediately identifies if the connections are made correctly and are in the correct position, ensuring the device is wired properly. An easy to read card is provided with the tester, to help determine if the connections are correct. This tester is compact and can easily clip onto your tool belt. The Hubbell Circuit Tester is UL and C-UL Listed.	**HBLT26CM11**



GFT2G



HBL5200

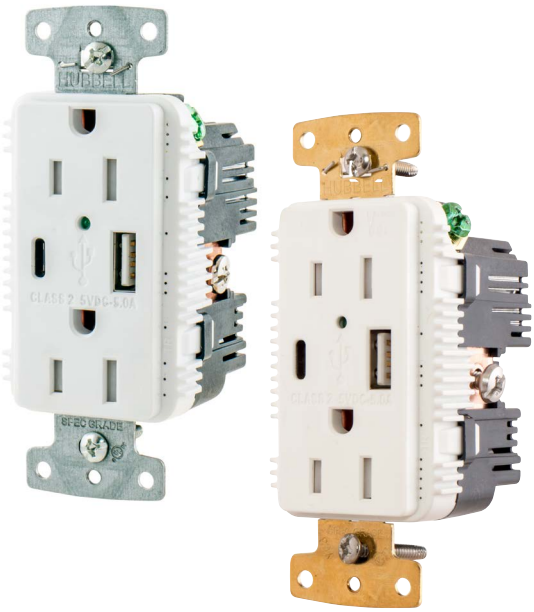
Additional Testers

Description	Catalog Number
This unit is designed to measure the trip level of GFCI portables, receptacles, or breakers within any range from 2 to 7 milliamperes, or the leakage in portable tools or appliances within a leakage range of 1 to 7 milliamperes. It can be used on any AC circuit of 110 to 130V.	**GFT2G***
This outlet circuit tester has a simple arrangement of neon lights which visually indicate correct wiring, reversed polarity, open ground wire, open neutral wire, open hot wire, hot and ground reversed and hot wire on neutral terminal and hot terminal unwired. Simply plug the HBL5200 into a single phase 125V 2 pole 3 wire outlet and the combination of lighted and/or unlighted lamps will immediately indicate the condition of the circuit. The instructions and symbol identification are printed on durable polyester labels permanently attached to the tester. To test other 2 pole 3 wire single phase 125V outlets, use one of the proper adapters shown on page AA-29.	**HBL5200****

*Note: *Not UL Listed or CSA Certified.*
***Not CSA Certified.*

Features and Benefits

USB Charger Receptacles

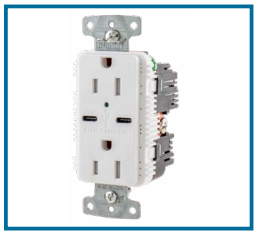


More Ways to Charge Faster with Hubbell's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Hubbell's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

Hubbell's new weather resistant USB charger receptacle offers a safe and reliable solution, conveniently expanding way to charge portable electronics. Now, being outdoors no longer means worrying about finding a charging source. Weather resistant receptacles comply with Section 406.9 of the National Electrical Code when used with covers.

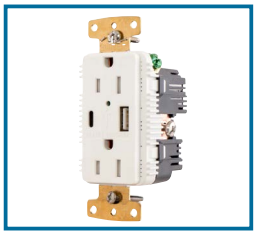
Common Features

- LED ON to indicate USB and line voltage power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products



USB Chargers

- Two Type-C port configurations
- One Type A and one Type-C port
- Two Type A port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle



Weather Resistant Type A&C USB Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC® with cover
- 5 Amp, 5 Volt USB output
- Power indicating green LED light

Weather Resistant USB Charger Duplex Receptacles

Description	Color	15A 125V AC	20A 125V
Type A&C USB Charger receptacle, one Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant USB ports rated 10,000 cycles; Commercial Grade.	Ivory Light Almond White	**USB15AC5IWR** **USB15AC5LAWR** **USB15AC5WWR**	**USB20AC5IWR** **USB20AC5LAWR** **USB20AC5WWR**

Note: Outdoor circuits should be GFCI protected per national and local electric codes. Also available in black, brown and gray.
See page Tech-10 for Weather and Tamper-Resistant descriptions.



USB15AC5WWR

Standard USB Charger Tamper-Resistant Duplex Receptacles

Description	Color	15A 125V AC
Type-C USB Charger Receptacle, two Type-C port configurations, high power 5 Amp, 5 Volt USB output.	Ivory Light Almond White	**USB15C5I** **USB15C5LA** **USB15C5W**
Type A&C USB Charger Receptacle, one Type A and one Type-C port configuration, high power 5 Amp, 5 Volt USB output.	Ivory Light Almond White	**USB15AC5I** **USB15AC5LA** **USB15AC5W**
Type A USB Charger Receptacle, two Type A port configurations, high power 5 Amp, 5 Volt USB output.	Ivory Light Almond White	**USB15A5I** **USB15A5LA** **USB15A5W**

Note: Also available in black, brown and gray.



USB15AC5W

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NEC® is a registered trademark of The National Electrical Code.

GFCI and Portable Ground Fault Circuit Interrupters

The American Boat and Yacht Council recommends the use of ground fault protected receptacles in a head, galley, machinery space or on a weather deck. Refer to ABYC "Ground Fault Protection" on page AA-52.



New Hubbell Weather Resistant and Extra Heavy Duty Corrosion Resistant Weather and Tamper-Resistant Ground Fault Receptacles

Hubbell now offers a Ground Fault Receptacle for every application.

Hubbell's GFCI offering, with patented self-test technology, continually tests and monitors itself to insure proper functioning.

Hubbell's GFCI Receptacle line-up now includes:

- Standard Commercial Series; for typical standard use
- Weather Resistant Series; meets NEC® requirements for weather resistance, UV and corrosion resistance for harsh and damp applications.
- Extra Heavy Duty Corrosion Resistant Series; has high-impact and UV stabilized housing, nickel-plated face contacts, mounting strap and terminals to withstand the most demanding environments and applications.



GFSG5262I



CWP26CRW



GFP15M



GFP315A



GFP6C15M
GFP25C15M

Ground Fault Receptacles

Description	Color	OEM Version Standard Series	Marine Packaging Weather Resistant Series	Extra Heavy Duty Series
15A 125V GFCI receptacle.	Ivory	**GFRST15I**	**GFRST52MI**	**GFSG5262I**
	Light Almond	**GFRST15LA**	**GFRST52MLA**	**–**
	White	**GFRST15W**	**GFRST52MW**	**GFSG5262W**

Note: Also available in black, brown and gray. See page Tech-10 for Tamper and Weather Resistant descriptions.

Hubbell's GFCI receptacles can be mounted on any standard 2.50 inch (63.5) deep box. A feed-through feature provides protection not only at that receptacle but also at any other receptacle located downstream from it on the same circuit. These devices meet the requirements of The National Electric Code (NEC®) and American Boat and Yacht Council Standard and will accept locking fork terminals.

Caution: Ground Fault Receptacles should not be mounted in locations exposed to salt spray nor in the engine room. For GFCI protection of such locations, downstream feeding from an internally located Ground Fault Receptacle is recommended.

Description	Color	Catalog Number
PVC weatherproof lift cover for ground fault receptacles (such as GFRST52M series) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes.	Gray	**CWP26CR**
	White	**CWP26CRW**

Portable Ground Fault Circuit Interrupters (GFCI)

Ideal for providing safety in applications requiring multiple outlets, features gasketed cover to protect outlets not in use. Ensures safety by interrupting power when leakage to ground is 4 to 6 milliamperes. A test button allows the user to test that the GFCI is in working order. This portable solution provides open neutral protection.

Description	Catalog Number
The housing is high-impact yellow polycarbonate as are the liftcovers which protect the receptacles from dirt and damage. Incorporates a 20 Amp GFCI module that can be replaced in the field. The module provides not only ground fault protection, but also contains the no voltage release feature.	**GFP15M**
3-outlet plug-in unit. Plugs into boat convenience receptacles to provide ground fault protection.	**GFP315A**

Note: GFCI devices will not protect against overloads or short circuits.

15A 125V GFCI Line Cord Devices

Description	Line Cord Length	Catalog Number
Ideal for personal plug-in protection at marinas and onboard boats when used with pumps, drills, sanders and all portable electrical equipment. GFCI mechanism is watertight and approved for outdoor use. High visibility yellow SJTW-A power cord resists moisture, chemicals and sunlight.	6 ft. (1.8m)	**GFP6C15M**
	25 ft. (7.6m)	**GFP25C15M**

NEC® is a registered trademark of the The National Electrical Code.

15 and 20 Amp Receptacles

Style Line® Decorator Receptacles

- High-impact nylon face resists breaking, chipping and cracking.
- Will accept locking fork terminal to comply with ABYC standards.
- Available in 4 colors for any decor with matching wall plates.
- Smooth, high-gloss finish for rich appearance.

Commercial Style Line® Decorator Series

Description	Color	Standard Duplex	Duplex, Tamper-Resistant	Duplex, Weather and Tamper-Resistant
15A 125V duplex receptacle.	Black	**DR15BLK**	**DR15BLKTR**	**DR15BLKWRTR**
	Brown	**DR15**	**DR15TR**	**DR15WRTR**
	Gray	**DR15GRY**	**DR15GRYTR**	**DR15GRYWRTR**
	Ivory	**DR15I**	**DR15ITR**	**DR15IWRTR**
	Light Almond	**DR15LA**	**DR15LATR**	**DR15LAWRTR**
	White	**DR15WHI**	**DR15WHITR**	**DR15WHIWRTR**


DR15ITR


DR15GRYWRTR

Commercial Series

Description	Color	Standard Duplex, Spec. Grade, Side Wired	Duplex, Tamper-Resistant	Duplex, Weather and Tamper-Resistant, Back and Side Wired
15A 125V duplex receptacle.	Black	**CR15BLK**	**CR15BLKTR**	**BR15BLKWRTR**
	Brown	**CR15**	**CR15TR**	**BR15WRTR**
	Gray	**CR15GRY**	**CR15GRYTR**	**BR15GRYWRTR**
	Ivory	**CR15I**	**CR15ITR**	**BR15IWRTR**
	Light Almond	**CR15LA**	**CR15LATR**	**BR15LAWRTR**
	White	**CR15WHI**	**CR15WHITR**	**BR15WHIWRTR**

Note: All devices above will accept locking fork terminal to comply with ABYC standards.
See page Tech-10 for Tamper and Weather Resistant descriptions.


CR15TR


BR15IWRTR

Extra Heavy Duty Single Receptacles

Description	Color	Catalog Number
15A 125V single receptacle.	Brown	**HBL5251**
	Ivory	**HBL5251I**
20A 125V single receptacle.	Brown	**HBL5361**
	Ivory	**HBL5361I**


HBL5251


HBL5361I

Corrosion-Resistant Receptacles

Description	Color	Catalog Number
15A 125V yellow corrosion-resistant duplex receptacle. Use where salt or other corrosive elements are a problem.	Yellow	**HBL52CM62**
Same as HBL52CM62 except ivory in color.	Ivory	**HBL52CM62I**

Special Application Illuminated Receptacle

Description	Color	Catalog Number
Illuminated receptacle 15A 125V grounding. A high quality receptacle with an illuminated face. Ideal for use in halls or as a gentle night light.	Ivory	**HBL8200ILI**

Note: See page Tech-10 for Weather Resistant description.


HBL52CM62I


HBL8200ILI

Switches and Accessories



CS115I



HBL1221IL



HBL1221PL



HBL1281



HBL1283



HBL17CM50



HBL1795



HBL6079

Commercial Series

Description	Toggle Color	Catalog Number
15A single-pole toggle switch for controlling AC load from one point.	Black	**CS115BK**
	Brown	**CS115**
	Gray	**CS115GY**
	Ivory	**CS115I**
	Light Almond	**CS115LA**
	White	**CS115W**
15A three-way toggle switch for controlling AC load from two points.	Black	**CS315BK**
	Brown	**CS315**
	Gray	**CS315GY**
	Ivory	**CS315I**
	Light Almond	**CS315LA**
	White	**CS315W**

Note: All devices above will accept locking fork terminal to comply with ABYC standards.

Special Application Series

Description	Catalog Number
20A 120V toggle switch with LED lamp set in ivory handle. Handle illuminates when switch is in "OFF" position.	**HBL1221IL**
20A 120V three-way toggle switch with LED illuminated ivory handle for controlling AC load from two points. Handle illuminates when "OFF".	**HBL1223IL**
20A 120V single-pole toggle switch with LED lamp set in clear red handle. Handle illuminates when switch is "ON". Serves as instant reminder that current is flowing to an appliance.	**HBL1221PL**
20A 120V three-way toggle switch with LED for controlling AC load from two points. Red handle illuminates when "ON".	**HBL1223PL**
Single-pole PresSwitch® for controlling AC load from one point. Switch activated brown button.	**HBL1281**
Same as HBL1281 except ivory button.	**HBL1281I**
Three-way PresSwitch for controlling AC load from two points. Switch activated brown button.	**HBL1283***
Same as HBL1283 except ivory button.	**HBL1283I***

Accessories

Description	Catalog Number
Yellow neoprene weatherproof plate for use only with PresSwitches. PresSwitch button is activated when bubble is pressed. Not CSA certified.	**HBL17CM50***
Clear silicone rubber weatherproof bubble plate for use with all AC toggle switches and PresSwitches. Also ideal for use with lighted handle toggle switches. Not CSA certified.	**HBL1795**
Plastic switch/receptacle box. Measures 3.281" x 2.188" x 2.50" (83.3 x 55.6 x 63.5) deep. For mounting in walls without studs. A support strap is provided which pulls box tightly against back side of wall.	**HBL6079****

*Note: *Not UL Listed.*
***Not CSA Certified.*

Wallplates

Non-metallic Plates

- High-impact polycarbonate thermoplastic is virtually unbreakable
- Smooth satin finish, blends into the wall
- Screws are factory-inserted for fumble-free installation

Stainless Steel Plates

- Type 302/304
- Non-magnetic
- Ideal for highly corrosive environments

Description		Color	Thermoplastic Standard	Thermoplastic Mid-Size	Material	Metal Catalog Number
	1-Gang, 1-Toggle	Black	**P1BK**	**PJ1BK**	Brass	**SB1**
		Brown	**P1**	**PJ1**	Stainless Steel	**SS1**
		Gray	**P1GY**	**PJ1GY**		
		Ivory	**P1I**	**PJ1I**		
		White	**P1W**	**PJ1W**		
	1-Gang, 1-Duplex	Black	**P8BK**	**PJ8BK**	Brass	**SB8**
		Brown	**P8**	**PJ8**	Stainless Steel	**SS8**
		Gray	**P8GY**	**PJ8GY**		
		Ivory	**P8I**	**PJ8I**		
		White	**P8W**	**PJ8W**		
	1-Gang, 1-Decorator	Black	**P26BK**	**PJ26BK**	Brass	**SB26**
		Brown	**P26**	**PJ26**	Stainless Steel	**SS26**
		Gray	**P26GY**	**PJ26GY**		
		Ivory	**P26I**	**PJ26I**		
		White	**P26W**	**PJ26W**		
	2-Gang, 2-Toggle	Black	**P2BK**	**PJ2BK**	Brass	**SB2**
		Brown	**P2**	**PJ2**	Stainless Steel	**SS2**
		Gray	**P2GY**	**PJ2GY**		
		Ivory	**P2I**	**PJ2I**		
		White	**P2W**	**PJ2W**		
	2-Gang, 2-Duplex	Black	**P82BK**	**PJ82BK**	Brass	**SB82**
		Brown	**P82**	**PJ82**	Stainless Steel	**SS82**
		Gray	**P82GY**	**PJ82GY**		
		Ivory	**P82I**	**PJ82I**		
		White	**P82W**	**PJ82W**		
	2-Gang, 2-Decorator	Black	**P262BK**	**PJ262BK**	Brass	**SB262**
		Brown	**P262**	**PJ262**	Stainless Steel	**SS262**
		Gray	**P262GY**	**PJ262GY**		
		Ivory	**P262I**	**PJ262I**		
		White	**P262W**	**PJ262W**		
	2-Gang, 1-Toggle, 1-Duplex	Black	–	**PJ18BK**	Brass	**SB18**
		Brown	**P18**	**PJ18**	Stainless Steel	**SS18**
		Gray	**P18GY**	**PJ18GY**		
		Ivory	**P18I**	**PJ18I**		
		White	**P18W**	**PJ18W**		
	2-Gang, 1-Toggle, 1-Decorator	Black	**P126BK**	**PJ126BK**	Brass	**SB126**
		Brown	**P126**	**PJ126**	Stainless Steel	**SS126**
		Gray	**P126GY**	**PJ126GY**		
		Ivory	**P126I**	**PJ126I**		
		White	**P126W**	**PJ126W**		
	1-Gang, 1-Single 1.40" Dia. Hole	Black	**P7BK**	**PJ7BK**	Brass	**SB7**
		Brown	**P7**	**PJ7**	Stainless Steel	**SS7**
		Gray	**P7GY**	**PJ7GY**		
		Ivory	**P7I**	**PJ7I**		
		White	**P7W**	**PJ7W**		
	1-Gang, 1-Blank, Box Mount	Black	**P13BK**	**PJ13BK**	Brass	**SB13**
		Brown	**P13**	**PJ13**	Stainless Steel	**SS13**
		Gray	**P13GY**	**PJ13GY**		
		Ivory	**P13I**	**PJ13I**		
		White	**P13W**	**PJ13W**		

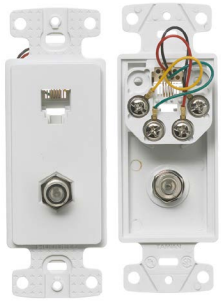
Communication Frames and Connectors

Hubbell Now Offers The Ability To Put 2 or 3 Communication Devices In a Single, Style Line® Plate

Any combination of phone (6-position jack), cable TV (F-type connector) and Category 5e modular data jacks can be assembled onto a 2-port or 3-port frame—each sold individually so you can customize them as needed. Or the highly popular phone and cable TV combination is available with the frame and matching wallplate under a single catalog number, in all the popular colors.

Finally—a single communications plate that can take the place of 2 or 3 plates—available from a company you can trust for superior quality.

Hubbell's Marine communication frames and connectors deliver high quality data and multimedia transmission to the point of connection. Hubbell's 2 and 3 port Style Line® frames and leading edge connections allow for customized configurations. Install Hubbell's Marine communication offering and be assured a reliable connection.



NS783W

2 Port Communication Frame, Fully Loaded (6-Position Phone Jack, F-Type Cable TV Jack and Style Line® Plate Included)

Color	No. of Ports	Connection Type	Catalog Number
White	2	USOC, F-Type	**NS783W**



NS612W



NS613W

Style Line® Frames, 2 Port and 3 Port Unloaded

Color	No. of Ports	Connection Type	Catalog Number
Black	2	–	**NS612BK**
Gray	2	–	**NS612GY**
Ivory	2	–	**NS612I**
White	2	–	**NS612W**
Black	3	–	**NS613BK**
Gray	3	–	**NS613GY**
Ivory	3	–	**NS613I**
White	3	–	**NS613W**

Category 6 Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Number
Black	T568A/T568B	8-Positions	**NSJ6BK**
Gray	T568A/T568B	8-Positions	**NSJ6GY**
Ivory	T568A/T568B	8-Positions	**NSJ6I**
White	T568A/T568B	8-Positions	**NSJ6W**



NSJ6W



NSJ5EW

Category 5e Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Number
Black	T568A/T568B	8-Positions	**NSJ5EBK**
Gray	T568A/T568B	8-Positions	**NSJ5EGY**
Ivory	T568A/T568B	8-Positions	**NSJ5EI**
White	T568A/T568B	8-Positions	**NSJ5EW**



NSJUW

USOC Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Number
Black	USOC	6-Positions	**NSJUBK**
Gray	USOC	6-Positions	**NSJUGY**
Ivory	USOC	6-Positions	**NSJUI**
White	USOC	6-Positions	**NSJUW**



SFFGEI

F-Type Connector Keystone

Color	Catalog Number
Black	**SFFGBK**
Gray	**SFFGGY**
Ivory	**SFFGEI**
White	**SFFGW**

c UL us LISTED
Enclosures only.

Boatyard Accessory Items

Non-Metallic While-In-Use Weatherproof Covers



- High-impact polycarbonate construction provides maximum durability
- Patented keyhole mounting system allows installation in under a minute
- Includes attached gasket and mounting hardware
- Pre-configured for GFCI with patented knockout technology for alternate devices
- Lockable tab
- NEMA 3R rated
- EXTRA DUTY® 5800 Series covers meet or exceed the extra duty rating per UL 514D and are NEMA 3R rated
- 2017 NEC® Compliant (Article 406.9A & B)
- cULus Listed

1-Gang Weatherproof Covers for Vertical or Horizontal Mounting

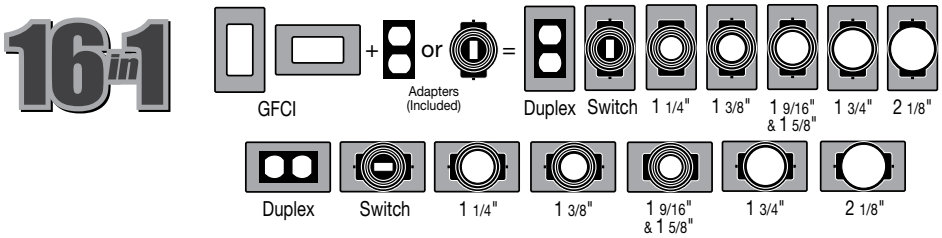
Description	Standard	EXTRA DUTY®
Non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 16-in-1 configurations below.	**RW57300**	**RW58300**
Jumbo, non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 16-in-1 configurations below.	**RW57350**	**RW58350**


RW57300


RW58300


RW57350


RW58350



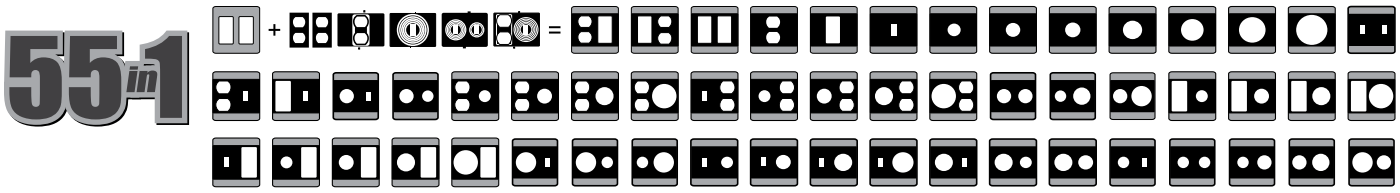
2-Gang Weatherproof Covers for Vertical Mounting Only

Description	Standard	EXTRA DUTY®
Non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 55-in-1 configurations below	**RW57750**	**RW58750**

Note: Required by the NEC® for while-in-use outdoor power distribution. Thermoplastic covers provide protection for use in wet locations with the cover closed, NEMA® 3R rated. Meets 2017 NEC 406.9 – receptacles in damp or wet locations. Holes for padlocks are .40 inch.


RW57750

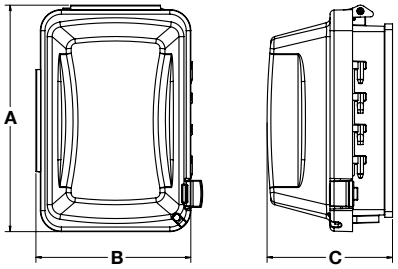

RW58750



Multiple combinations of duplex, GFCI, switch, and rounds: 1 1/4", 1 3/8", 1 9/16", 1 5/8", 1 11/16", 2 1/8", 2 /4", 2 7/16"

Product Dimensions Inches (mm)

	1-Gang		Jumbo, 1-Gang		2-Gang	
	Standard	EXTRA DUTY®	Standard	EXTRA DUTY®	Standard	EXTRA DUTY®
A	5.54" (140.7)	5.90" (149.9)	5.54" (140.7)	5.92" (150.4)	5.54" (140.7)	5.54" (140.7)
B	3.79" (96.3)	4.18" (106.2)	3.79" (96.3)	4.20" (106.7)	5.43" (137.9)	5.43" (137.9)
C	3.07" (78.0)	3.00" (76.2)	5.08" (129.0)	5.10" (129.5)	3.07" (78.0)	3.07" (78.0)



Dimensions in Inches (mm)

NEC® is a registered trademark of the The National Electrical Code.
NEMA® is a registered trademark of The National Electrical Manufacturers Association.

Features and Benefits

Stainless Steel Weatherproof and Watertight Flip Covers

Stainless steel weatherproof flip covers are suitable for use in applications where corrosion and sanitation are vital concerns. Heavy duty #316 stainless steel provides an excellent finish and superior corrosion resistance in all applications. Models listed are typically used in indoor/outdoor applications such as, food/chemical processing, pharmaceutical and water treatment facilities. Meets Section 406.9 of NEC®.

- UL Type 3R:
  - Rain-tight and sleet (Ice) resistant
  - Self-closing lid
- UL Type 4X:
  - Watertight, dust-tight and corrosion resistant for wash-down application
  - Latching cover





Flip Cover Design

- Manufactured in heavy duty #316 stainless steel for increased corrosion resistance
- Polished finish for a clean aesthetic appearance
- Smooth surfaces to allow ease of cleaning
- Horizontal and vertical mounting positions
- Duplex and GFCI versions



Self-Closing Design

- Self-closing cover
- Neoprene gasket on underside of cover. For sealing when the cover is closed



HBLSS83R



HBLSS263R



HBLSS84X



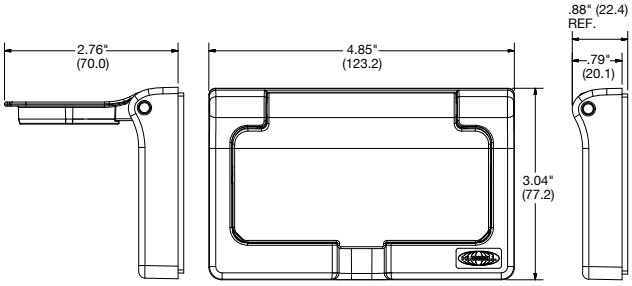
HBLSS264X

Stainless Steel Weatherproof Flip Covers

Description	Catalog Number
1-Gang, stainless steel duplex, 3R, self-closing cover.	**HBLSS83R**
1-Gang, stainless steel GFCI, 3R, self-closing cover.	**HBLSS263R**
1-Gang, stainless steel duplex, 4X, latching cover.	**HBLSS84X**
1-Gang, stainless steel GFCI, 4X, latching cover.	**HBLSS264X**

Product Dimensions Inches (mm)

Catalog Number	Height	Width	Depth	Opening
HBLSS83R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS263R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)
HBLSS84X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS264X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)



Specifications

Base & Cover	Stainless Steel
Hinge Pin & Spring	Stainless Steel
Base & Cover Gasket	Elastomer
Back Gasket	Eva Form
Ground Screw	Steel, Zinc Plated
Mounting Screw	Stainless Steel

Dimensions in Inches (mm)

NEC® is a registered trademark of the The National Electrical Code.

Boatyard Accessory Items

Marine Grade Weatherproof Plates

Description	Color	Catalog Number
Thermoplastic vertical spring-loaded lift cover plate for weatherproofing ground fault receptacles and decorator-type devices. Marine drip-proof rated with stainless steel hardware. **IP44 SUITABILITY.**	Gray Yellow	**HBL5226** **HBL52CM26**
Same as above except for horizontal mounting.	Gray Yellow	**HBL5226H** **HBL52CM26H**
Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 SUITABILITY.**	Gray Yellow White	**HBL5221** **HBL52CM21** **HBL52CM21W**
Same as HBL52CM21 except for mounting to standard boxes.	Gray Yellow	**HBL5222** **HBL52CM22**
Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	Gray Yellow	**HBL7423WO** **HBL74CM23WO**
Valox spring-loaded lift cover for weatherproofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	Gray Yellow	**HBL7424WO** **HBL74CM24WO**
Valox spring-loaded lift cover for weatherproofing HBL26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	Gray Yellow White	**HBL7425WOA** **HBL74CM25WOA** **HBL74CM25WOAW**
Valox lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.**	Gray Yellow	**HBL7774WO** **HBL77CM74WO**



HBL52CM26



HBL52CM21W



HBL52CM26H

Commercial Grade Weatherproof Plates

Available in a host of configurations—Twist-Lock® and straight blade receptacles in single or duplex as well as switches—these plates are perfect for marine use. The PVC resists deterioration over time and has high tensile and impact strength. Each plate comes with a tightly sealing, rubberized gasket and a super strong lift cover spring.

Description	Catalog Number
Gray thermoplastic weatherproof lift cover for toggle switches (such as CS115). For vertical mounting in standard or FS/FD type boxes.	**HBL5201**
Gray PVC weatherproof lift cover for duplex receptacles (such as HBL52CM62). For vertical mounting in standard or FS/FD type boxes.	**CWP8CR**
Gray PVC weatherproof lift cover for ground fault receptacles (such as GF5252MGYA) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes.	**CWP26CR**
Same as CWP26CR except white in color.	**CWP26CRW**



HBL52CM21



HBL74CM23WO



CWP8CR



CWP26CR



HBL5201



HBL77CM74WO

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Boatyard Accessory Items

Marine Grade Dockside Boxes and Covers

30 cu. in. FD box made of high impact thermoplastic material. Accepts duplex and single receptacles up to 50A Twist-Lock®.







IMPROVED DESIGN



Housing Design

- ¾" NPT and 1" NPT threaded hub options
- 30 cu. in. FD box made of high impact thermoplastic material
- External mounting feet, accepts #10 screw
- Stainless steel mounting/grounding bracket



Housing Design

- 55° angle adapter (15 cu. in.)
- External mounting feet, accepts #8 screw
- Stainless steel mounting/grounding bracket



HBL60CM83A



HBL60CM88



HBLP14FS



HBL6081



HBL6082

FD Boxes, Angled Adapters, Kits and Covers

Boxes	Gray	White	Yellow
(2) ¾" NPT Hubs, FD Boxes	**HBL6083**	**HBL60CM83WA**	**HBL60CM83A**
(2) 1" NPT Hubs, FD Boxes	**HBL6084**	**HBL60CM84WA**	**HBL60CM84A**
Adapters*			
55° Angle Adapters	**HBL6055***	**HBL60CM55W***	**HBL60CM55***
Kits			
(2) ¾" NPT Hubs, Box/Adapter Kits	**HBL6083AK**	**HBL60CM83WAK**	**HBL60CM83AK**
(2) 1" NPT Hubs, Box/Adapter Kits	**HBL6084AK**	**HBL60CM84WAK**	**HBL60CM84AK**
Covers			
Blank Cover Plates	**HBLP14FS**	**HBL60CM88W**	**HBL60CM88**

*Note: *Adapters are not UL Listed, nor UL Type 4X. For UL Type 4X rating, use receptacles in a FD box.*

Marine Grade Dockside Boxes and Covers

Description	Catalog Number
Black phenolic junction box with four ¾ in. (19.1) I.P.S. molded-in knock-outs. Has 4.13 in. (104.8) diameter and is 1.88 in. (47.6) deep.	**HBL6081**
Phenolic blank cover, ¼ in. (6.4) thick, for HBL6081 box.	**HBL6082**
Black phenolic blank cover plate.	**HBL6087**
Yellow Valox® blank cover plate for use with FS and FD type boxes.	**HBL60CM88**

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Boatyard Accessory Items

Non-Metallic Vapor-tight Incandescent Fixtures

These non-metallic, vapor-tight incandescent fixtures offer long life and trouble-free lighting in wet locations in marinas and on boats. Some features of these new units are:

- UV resistant, gray, glass filled thermoplastic polyester box, mounting adapters and globe guards resists abuse and harmful effects of the elements
- Excellent temperature operating range of -40°F (-40°C) to +302°F (150°) for use in areas with wide temperature variations or extreme ambient temperatures
- High temperature silicone gasketing maintains integrity and molded threads for ease of installation/removal
- Heat resistant glass globe withstands thermal shock in wet locations and has thread type mounting to assure weathertight sealing
- High strength protective globe guard helps prevent accidental globe and lamp breakage
- Accommodates Type A incandescent lamps up to 150 watts
- UL 1598 Standard for luminaries
- UL 1598A Marine type luminaries



NVX15GHGA



NVA15GHGA

Lighting and Lighting Fixtures

Description	Catalog Number
Ceiling mount non-metallic, vapor-tight incandescent luminaries including the fixture, mounting box, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included).	**NVX15GHGA**
Pendant mount non-metallic, vapor-tight incandescent luminaries including fixture, mounting cap, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included).	**NVA15GHGA**
Wall mount bracket only to adapt NVX15GHGA ceiling mount fixture to a wall mount fixture. Order NVBA and NVX15GHGA to get wall mount fixture.	**NVBA**
Replacement guard to NVX15GHGA and NVA15GHGA.	**NVGA**
Heat resistant replacement globe for NVX15GHGA and NVA15GHGA. Made of tempered glass.	**VCGP100**



NVBA



VCGP100

Nylon Watertight Strain Relief Cord Connectors

These Hubbell nylon cord connectors provide strain relief and a watertight seal where cable enters a piece of equipment, panel, or box. A patented GOTCHA® ring, with a split and hinge design, allows for better adjustment to the cord as the connector nut is tightened, providing superior cord gripping compared to other types. A soft neoprene bushing compresses to keep liquids out and allows the nut to be easily tightened.

Description	Catalog Number
A gray male PVC adapter with ¾ in. NPT pipe thread for adapting PVC conduit to FS and FD boxes with ¾ in. NPT hub (HBL6080, HBL60CM83). Not UL Listed.	**HBL6085**

Description	NPT Hub Size	Diameter Range	Catalog Number
Straight nylon cord connector	½ in.	.25–.38 in. (6.4–9.5)	**HBL10CM22S**
	½ in.	.38–.50 in. (9.5–12.7)	**HBL10CM23S**
	¾ in.	.38–.50 in. (9.5–12.7)	**HBL10CM35S**
	¾ in.	.50–.63 in. (12.7–15.9)	**HBL10CM36S**
	¾ in.	.63–.75 in. (15.9-19.1)	**HBL10CM37S**
	1.0 in.	.63–.75 in. (15.9-19.1)	**HBL10CM41S**



HBL6085



HBL10CM22S

Electrical Standards

Codes and Specifications

ABYC Standard, July 2015, E-11 Excerpts.

11.4 DEFINITIONS – For the purposes of this standard, the following definitions apply.

11.4.11 Equipment Leakage Circuit Interrupter (ELCI) - A residual current device which detects equipment ground fault leakage current and disconnects all current carrying conductors from the supply source at a preset trip threshold.

11.4.14 Ground fault circuit interrupter (GFCI) - A device intended for the protection of personnel that functions to de-energize a circuit, or portion thereof, within an established period of time when a current to ground exceeds some predetermined value that is less than that required to operate the overcurrent protective device of the supply circuit.

11.4.34 Watertight - Constructed so that water will not enter the enclosure under the test conditions specified in NEMA Standard 250, Type 6P or IEC Standard 60529 Type IP67.

11.4.35 Weatherproof - Constructed or protected so that exposure to the weather will not interfere with successful operation under the test conditions specified in NEMA Standard 250, Type 3 or IEC Standard 60529 Type IP54.

11.11 GROUND FAULT PROTECTION — AC SYSTEMS

11.11.1 An Equipment Leakage Circuit Interrupter (ELCI) or Type A Residual Current Device (RCD) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional overcurrent protection as required by E-11.10.2.8.3 whichever is closer to the shore power connection.

11.11.1.1 Trip level shall be a maximum of 30mA. The trip time shall be a maximum of 100ms.

11.11.1.4 The ELCI shall be readily accessible.

Note: A ground fault circuit interrupter (GFCI) may be used on single phase AC circuits to provide additional protection for personnel and equipment.

11.11.5 GFCI receptacle devices shall meet the requirements of Underwriters Laboratories' standard UL 943, Ground Fault Circuit Interrupters and the requirements of UL 498, Electrical Attachment Plugs and Receptacles.

Note: GFCI receptacle devices may be installed as part of a convenience outlet installation either in single outlet applications or in multiple feed through installations. (See E-11.13.3.5)

11.12 SWITCHES

11.12.1.1 Switches shall have voltage ratings not less than the system voltage, current ratings not less than the connected load and shall be rated for the type of load, i.e., inductive or resistive.

11.12.3.1 Switches used in branch circuits shall simultaneously open all ungrounded conductor(s) of the branch circuit.

11.13 PLUGS AND RECEPTACLES

11.13.1.1 Receptacles shall be installed in locations not normally subject to rain, spray, or flooding but if receptacles are used in such areas the following shall apply:

11.13.1.1.1 Receptacles installed in locations subject to rain, spray, or splash shall be weatherproof when not in use.

Note: Weatherproofing may be provided by means such as spring-loaded, self-closing, or snap type receptacle covers.

11.13.1.1.2 Receptacles installed in areas subject to flooding or momentary submersion shall be of a watertight design as may be provided by a threaded, gasketed cover.

11.13.1.3 Receptacles and matching plugs used on AC systems shall not be interchangeable with receptacles and matching plugs used on DC systems.

11.13.3.1 Receptacles shall be installed in boxes that meet the requirements of UL 514A, Metallic Outlet Boxes, or 514C, Non-metallic Outlet Boxes, Flush Device Boxes And Covers.

11.13.3.2 Receptacles shall be of the grounding type with a terminal provided for the grounding (green) conductor as shown in Figure 11, Figure 12 and Figure 13 of ABYC E-11.

11.13.3.3 Power wiring for receptacles shall be connected so that the grounded (white) conductor attaches to the terminal identified by the word "white" or a light color (normally white or silver). The ungrounded conductor(s) shall be attached to the terminal(s) identified by a dark color (normally brass or copper) and, optionally, the letters X, Y and Z or L1, L2 and L3.

11.13.3.4 A branch circuit supplying a combination of receptacle loads and permanently connected loads shall not supply permanently connected loads in excess of the following:

11.13.3.4.1 600 watts for a 15 ampere circuit.

11.13.3.4.2 1000 watts for a 20 ampere circuit.

11.13.3.5 If installed in a head, galley, machinery space, or on a weather deck, the receptacle shall be protected by a Type A (nominal 5 milliamperes) Ground Fault Circuit Interrupter (GFCI). (See E-11.11.)

Note: GFCI receptacle devices are not necessarily ignition protected per E-11.5.1.4.

11.6.2.2 SHORE POWER

11.6.2.2.2.1 Power Inlet - The receptacle, or receptacles, installed to receive a connecting cable to carry AC shore power aboard shall be a male type connector.

11.6.2.2.2.2 Power inlets installed in locations subject to rain, spray, or splash shall be weatherproof whether or not in use.

11.6.2.2.2.2.1 Power inlets installed in areas subject to flooding or momentary submersion shall be watertight whether or not in use.

11.6.2.2.2.3 Metallic power inlets installed on metallic or carbon fiber reinforced boats using an isolation transformer or a galvanic isolator shall be insulated from metallic structure and components. On non-metallic boats using an isolation transformer or a galvanic isolator the power inlet shall be insulated from metallic components connected to the boat's ground.

11.6.2.2.1.1 Shore Power Cable – On each boat equipped with an AC shore power system, a shore power cable that contains the conductors for the power circuit and a grounding (green) conductor shall be provided.

11.6.2.2.1.2 Except where the shore power cable is permanently connected to the boat, the boat end of this cable shall be terminated with a locking and grounding female type connector to match the boat power inlet. (See Figure 12 and Figure 13 of ABYC E-11).

11.6.2.2.1.3 The shore power cable shall be flexible cord with the minimum properties of Type SOW, STW, STOW, SEOW, or STOOW and shall be suitable for outdoor use. The shore connection end of this cable shall be fitted with a locking and grounding type plug with the required number of poles and shall comply with Article 555 of the National Electrical Code. (See Figure 13 and Table VII-A of ABYC E-11).

EXCEPTION: Pin and sleeve devices in accordance with Figure 14 of ABYC E-11.

SECTION BB

Table of Contents



Circuit Testers, Adapters and Starters



Lockout Devices



Lampholders



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Features and Benefits

Twist-Lock® Circuit Testers

The Hubbell Twist-Lock® Tester is an exclusive patented design that easily tests the circuit condition without the need for traditional measurement techniques. Whether it is a contractor, electrician, or entertainment stage crew, knowing that power is present at any receptacle or connector is critical. By plugging the tester into an outlet, an LED output will immediately provide the state of the circuit.

An easy to read card is provided with the tester, to help determine if the connections are made properly and in the correct position. This unique NEMA configuration ensures that the proper connection was made through an easy to read output display. It also easily attaches to a tool belt so it is available when needed.

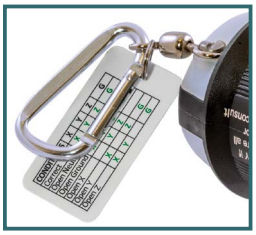
- Quickly diagnose mis-wiring situation or application
- Great for dark, difficult to reach spaces
- No measurement readings to interpret
- UL 1436 listed





Housing Design

- Insulgrip® nylon housing for secure gripping
- Brass blades
- Steel (nickel plated) assembly screws
- Styles available: L21-20P, L21-30P, L5-20P, L5-30P, L5-30P Marine, L6-20P, L6-30P, L7-20P, L14-20P, L14-30P, L24-20P



Attachment Clip

- Carabiner style clip to secure to work belt



Proper Connection

- Easy to read LED output and condition tables

CONDITIONS	X	Y	Z	G
Correct	X	Y	Z	G
Open Neutral				G
Open Ground	X	Y	Z	
Open X		Y	Z	
Open Y	X		Z	G
Open Z	X	Y		G



CONDITIONS	X	Y	Z	G
X & N Rev.	X	Y	Z	▲
Y & N Rev.	X	Y	Z	G ▲
Z & N Rev.	X	Y	Z	G ▲
X & G Rev.		Y	Z	G ▲
Y & G Rev.	X		Z	G ▲
Z & G Rev.	X	Y		G ▲

Twist-Lock® Circuit Testers

Description	Rating	20 Amp Configuration	20 Amp Catalog Number	30 Amp Configuration	30 Amp Catalog Number
3-Phase Circuit Tester	3Ø 120/208V AC Min. Voltage: 90V AC	NEMA L21-20P	**HBL3PT2511**	NEMA L21-30P	**HBL3PT2811**
Circuit Tester	125V	NEMA L5-20P	**HBLT2311**	NEMA L5-30P	**HBLT2611** **HBLT26CM11** (Marine)
	250V	NEMA L6-20P	**HBLT2321**	NEMA L6-30P	**HBLT2621**
	277V	NEMA L7-20P	**HBLT2331**		
	125/250V	NEMA L14-20P	**HBLT2411**	NEMA L14-30P	**HBLT2711**
	347V	NEMA L24-20P	**HBLT3721**		
	128/208V AC	Non-NEMA	**HBLT3521**		

Note: Testers in other NEMA configurations can be developed upon request.



HBL3PT2511



HBLT26CM11

SNAP*Connect*® Receptacle Wiring Tester with GFCI Test Button

Description	Catalog Number
Circuit Tester for SNAPConnect receptacle terminals, GFCI and standard receptacles.	**SNAPCTG**



SNAPCTG

Receptacle Circuit Tester

Description	Catalog Number
Receptacle circuit tester.	**HBL5200**

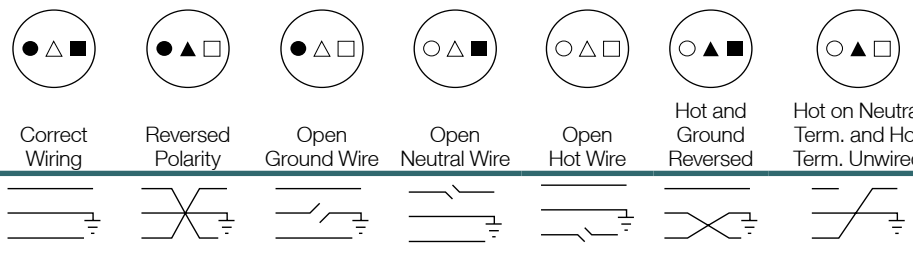
How It Operates

The Hubbell HBL5200 Receptacle Circuit Tester has a simple arrangement of neon lights which visually indicate and identify various fault conditions in electrical circuits (see chart below). By plugging the HBL5200 Tester into a single phase, 125V, 2 pole, 3 wire outlet the combination of lighted and/or unlighted lamps will immediately indicate circuit condition.

- Large, easy to read symbols.
- Recessed indicating lamps with one piece Polycarbonate lens.
- Tough impact resistant nylon housing.
- User information and instructions printed on durable Polyester labels permanently attached to the tester.
- Rotatable labels can be easily read regardless of tester position.



HBL5200



Note: □ △ ○ Indicates Unlighted Lamp. ■ ▲ ● Indicates Lighted Lamp.
When testing other receptacle types, use HBL5200 only with polarized adapters.

***CAUTION:** This device introduces low level current into the grounding path. Use with caution in critical care areas.*

GFCI Tester

Description	Rating	Catalog Number
Ground fault tester.	120V AC	**GFT2G**

- Designed to measure the trip level of portable or "wired-in" GFCI's in a range of 2-7mA. Leakage level can be adjusted from 2-7mA.
- Ideal for measuring leakage level of GFCI breakers, GFCI portables and GFCI receptacles.



GFT2G

Features and Benefits

Adapters and Fluorescent Starters

- Available in 6 diferent configurations
- One female slot end and one male blade end
- UL listed, except for adapter **HBL31CM29**





HBL2271



HBL5273L



HBL5289



9053A



9054A



FS2

Nylon Convenience Adapters

NEMA Configuration

Catalog Number	HBL2270	HBL2271	HBL2128	HBL2274	HBL2129	HBL31CM29*
Male Blade End	15A 125V NEMA 5-15P	15A 125V NEMA 5-15P	15A 125V NEMA 5-15P	15A 125V NEMA L5-15P	20A 125V NEMA L5-20P	30A 125V NEMA L5-30P
Female Slot End	20A 125V NEMA 5-20R	15A 125V NEMA L5-15R	20A 125V NEMA L5-20R	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R

*Note: *Not UL Listed.*

CAUTION: *Where adapters have different ratings on the blade and slot end the following precautions must be exercised in their use.*
(1) Remember that overcurrent protection is determined by the blade end.
(2) The use of the adapter should be limited to the lowest rated end of the adapter in order to prevent overheating.
(3) Adapters do not provide GFCI, overcurrent or short circuit protection.

Plug In Adapters

Description	Catalog Number
Male end - 2 wire parallel polarized blades, 15A, 125V. Female end - 3 wire 15A, 125V straight slot grounding.	**HBL5273L**
Male end - 3 wire crow foot 15A, 125V blades. Female end - 3 wire 15A, 125V straight slot grounding.	**HBL5289♦***
Male end - 3 wire 10A, 250V, 15A, 125V Twist-Lock® blades. Female end - 3 wire 15A, 125V straight slot grounding.	**9053A♦***
Male end - 3 wire 15A, 125V straight blade grounding. Female end - 10A, 250V, 15A 125V Twist-Lock® slots.	**9054A♦***

Note: ♦Must always be used with a grounded receptacle.
**Not UL Listed.*

Fluorescent Starters

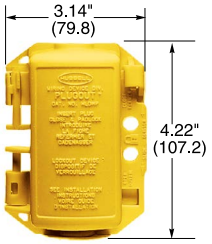
Neostart	Lamps	Catalog Number
The Hubbell Neostart is a glow discharge type of starter which combines fast starting speed with rugged, dependable operation. The Neostart lights the lamp very rapidly and insures proper lamp operation throughout rated life. Because of its rugged construction, it can be depended upon to withstand continued punishment resulting from lamp failure. In addition, it operates satisfactorily over a wide temperature range. In dual lamp circuits, the Neostart lights both lamps quickly and uniformly.	14, 15 and 20 watt lamps	**FS2**
	13, 30 and 40 watt lamps	**FS4**
	4, 6 and 8 watt lamps	**FS5**
	22 watt circle line, 25 watt standard lamps	**FS25**

Lockout Devices

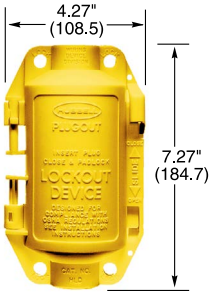
PLUGOUT®, Keyed PLUGOUT® and SWITCHOUT® Lockout Devices

Description	Typical Devices Accommodated	Catalog Number
Small yellow lockout device.	15 and 20A straight blade plugs. 15A Twist-Lock® plugs.	**HLDMP**
Medium yellow lockout device.	15 and 20A, 125V straight blade plugs. 20 and 30A Twist-Lock® plugs.	**HLD**
Large yellow lockout device.	20, 30 and 60A metallic and non-metallic Pin and Sleeve, Hubbellock® and 50A Twist-Lock® plugs.	**HLD2**
Yellow SWITCHOUT device.	Toggle switch.	**HSLDPK2***
Yellow lockout kit.	One each of above lockout devices.	**HLDKIT**
Yellow keyed PLUGOUT, keyed differently.	15 and 20A, 125V straight blade plugs with holes in blades.	**HKLD**

*Note: *Two devices per package.*



HLDMP



HLD



HSLDPK2

Cord Grip

Description	Catalog Number
Cord grip for ½ inch knockouts.	**HBL112***

*Note: *Not UL Listed.*



HBL112

Lampholders

Lampholders provide lighting in unfinished areas, such as attics and basements.

Porcelain White Lampholders





Catalog Number	RL8804	RL8806	RL8812	RL8816	RL8822
Description	Keyless, 4 Terminal Screws	Keyless, 6 inch Pigtails	Pull Chain, 2 Terminal Screws	Pull Chain, 6 inch Pigtails	Pull Chain with Receptacle, 2 Terminal Screws
Rating	660W 250V	660W 250V	660W 250V	660W 250V	660W 125V 15A 125V NEMA 5-15R

Plastic White Lampholders




Catalog Number	RL8504	RL8506	RL8512	RL8516
Description	Keyless, 4 Terminal Screws	Keyless, 6 inch Pigtails	Pull Chain, 2 Terminal Screws	Pull Chain, 6 inch Pigtails
Rating	660W 600V	660W 600V	660W 250V	660W 250V

Incandescent Brass Lampholders, Medium Base







Catalog Number	RL101*	RL102*	RL105*	RL100**	RL106*
Description	Turn Knob, On/Off	Turn Knob, Three Way	Push Through, On/Off	Keyless	Pull Chain, On/Off
Rating	250W 250V	250W 250V	660W 250V	660W 250V	660W 250V

*Note: *UL or cUL.*
***UL or CSA.*

Fluorescent Lampholders

Compact Flourescent Lampholders








Catalog Number	RL479HSM	RL413HSI	RL413HSM	RL426G24	RL42G11HSM	RL42G11H9
Description	G23 base	GX23 base	GX23 base	G24Q-3, GX24Q-4	2G11 base, 4 pin	2G11 base, 4 pin
Lamp Type	5W, 7W, 9W	13W	13W	26-32W	18-55W	18-55W
Rating	75W, 600V	75W, 600V	75W, 600V	75W, 600V	75W, 600V	75W, 600V
Mounting	Horizontal, screw-down	Horizontal, snap-in	Horizontal, screw-down	Horizontal, screw-down	Horizontal, screw-down	Vertical 90°, snap-in

RL42G11C



Clip for 2G11 Base Lampholders, Adjustable, Snap-in

High Output Fluorescent Lampholders








Catalog Number	RL305*	RL306*	RL307	RL308	RL356	RL357
Description	Plunger	Fixed	Plunger	Fixed	Plunger	Fixed
Lamp Type	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Vertical - Power groove & jacketed lamps	Vertical - Power groove & jacketed lamps
Rating	660W, 600V	660W, 600V	660W, 600V	660W, 600V	660W, 600V	660W, 600V
Mounting	Pedestal, slide-on	Pedestal, slide-on	Slide-on, snap-in	Slide-on, snap-in	Slide-on, snap-in	Slide-on, snap-in

*Note: *UL or cUL.*

Medium Bi-Pin Fluorescent Lampholders - T8 and T12





Catalog Number	RL320	RL325	RL325B
Description	Disconnect 4 wire	Disconnect 4 wire	Shunted 2 wire
Lamp Type	Bi-pin/tall profile	Bi-pin/low profile	Bi-pin/low profile
Rating	660W, 600V	660W, 600V	660W, 600V
Mounting	Slide-on and snap-in with captive nut	Slide-on and snap-in with captive nut	Slide-on and snap-in

Slimline Type Fluorescent Lampholder




RL310*	RL311*
Plunger	Fixed
Single pin	Single pin
660W, 600V	660W, 600V
Slide-on and snap-in	Slide-on and snap-in

*Note: *UL or cUL.*

Incandescent Lampholders

HID Incandescent Lampholders, Porcelain Keyless





Catalog Number	RL4221*	RL5221	RL3742
Description	Mogul base	Mogul base	Medium base prefocus
Lamp Type	E39 socket	EX39 socket	Bayonet socket
Rating	1500W, 600V Max, 4KV or 5KV PULSE	1500W, 600V Max, 5KV PULSE	1200W, 250V
Mounting	Screw mount, 12 inch leads	Screw mount, 12 inch leads	Screw mount

*Note: *UL Listed, CSA Certified.*

Straight Body Keyless Porcelain






Catalog Number	RL162	RL156	RL157	RL160	RL158	RL159
Description	Medium base	Medium base	Medium base	Medium base	Medium base, low profile	Medium base, shallow base
Lamp Type	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket
Rating	660W, 250V	660W, 250V	660W, 250V	660W, 250V	660W, 250V	660W, 250V
Mounting	Screw mount, screw terminals	Screw mount, 12 inch leads	NPSF1/8 hickey with terminals	NPSF1/8 hickey with 12 inch leads	Front mount, panel mount snap-in	Front mount, panel mount snap-in

Surface and Sign Mount, Medium Base






Catalog Number	RL152	RL153	RL161	RL163	RL164
Description	Medium base, Porcelain, Pony Cleat	Medium Base, Plastic, Black, Pony Cleat	Medium base, Porcelain	Medium base, Porcelain	Medium base, Porcelain
Lamp Type	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket
Rating	660W, 600V	660W, 250V	660W, 250V	660W, 250V	660W, 250V
Mounting	1 piece, surface mount	1 piece, surface mount	2 piece, surface mount	2 piece, sign mount with leads	2 piece, sign mount with terminals

Lampholder Accessories

Incandescent Lampholders, Medium Base





Catalog Number	RL124*	RL124H	RL202
Description	Pigtail Medium Base Socket with 6 inch Leads, Rubber with #18 Gauge Wire	Phenolic Medium Base Socket with Hook, Insulation Piercing Termination	Medium Lampholder to Lampholder Adapter, Pull Chain with Two 2-Prong Outlets without Ground
Rating	660W 250V	660W 250V	660W 125V 15A 125V

*Note: *cCSAus Certified only.*

Incandescent Adapters, Medium Base






Catalog Number	RL150	RL154	RL200	RL201
Description	Medium to medium base extension, Screw-in, E26 to E26 socket	Mogul to medium base adapter, Screw-in E39 to E26 socket	Outlet Adapter, 2 Prong Plug to Medium Lampholder	Medium Lampholder Adapter, Medium Lampholder to Outlet without Ground
Rating	250W, 250V	660W, 250V	15A 660W 125V 15A 125V NEMA 1-15R	15A 125V NEMA 1-15R

Lamp Switches

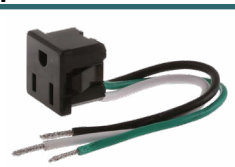
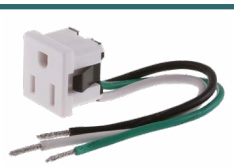





Catalog Number	RL120	RL121	RL122	RL125
Description	Pull chain switch, 2 circuit, L1/L2/L1+L2/off	Pull chain switch, SPST on/off	Pull chain switch, L1/L2/L3/off	Rotary switch, SPST on/off
Rating	6A 125V AC, 3A 250V AC, 3A 125V “L”	6A 125V AC, 3A 250V AC, 3A 125V “L”	6A 125V AC, 3A 250V AC	6A 125V AC, 3A 250V AC, 3A 125V “L”

Note: 6 inch wire leads are #18 AWG AWM/TEW 105°C 600V.

Snap-in Receptacles

Catalog Number	RR374	RR374W
Description	Single receptacle, Black	Single receptacle, White
Rating	15A 125V, 3 wire NEMA 5-15R	15A 125V, 3 wire NEMA 5-15R

- Accommodate panel thickness of .031 to .062 inch (0.7 to 1.5 mm).
- Panel cutout .95 x .95 inch (24.1 x 24.1 mm).
- #14 AWG 6 inch AWM/TEW FT1 105°C 600V on black and white leads.
- #14 AWG 6 inch AWM/TEW FT1 600V on green lead.

Other Wiring Products

Taps, Adapters, Plugs and Connectors

Taps and Adapters







Color					
Ivory	**RT600I**	**RT300I**	—	**RT200***	—
Orange	—	—	**RT303**	—	—
White	**RT600W**	**RT300W**	—	—	**RT100W**
Description	Duplex Receptacle to Six Outlets with Ground	Single Receptacle to Three Outlets with Ground	Single Receptacle to Three Outlets, Heavy Duty Rubber, with Ground	Two Wire to U-Ground	Cube Tap without Ground
Rating	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 1-15

*Note: *UL Listed only.*

Plugs and Connectors







Color					
Black	**RP101BK**	**RP102BK**	**RP646**	**RP648**	**RP649**
White	**RP101W**	**RP102W**	—	—	—
Description	Straight Plug, Polarized, Two Blade Light Duty	Straight Connector, Polarized, Two Blade, Light Duty	Straight Plug, Non-Polarized, Two Blade, Heavy Duty	Straight Plug, Polarized, Two Blade, Heavy Duty	Straight Connector, Polarized, Two Blade, Heavy Duty
Wire Range Cord	#16,18 AWG, Up to .250 inch Dia.	#16,18 AWG, Up to .250 inch Dia.	#14-18 AWG, Up to .330 inch Dia.	#14-18 AWG, Up to .330 inch Dia.	#14-18 AWG, Up to .330 inch Dia.
Rating	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P



Color	
Ivory	**RP123I**
White	**RP123W**
Description	Straight Plug, Non-Polarized, Two Blade
Cord	SPT 1 and 2 Cord 18/2 & 16/2 AWG
Rating	15A 125V NEMA 1-15P

SECTION Tech

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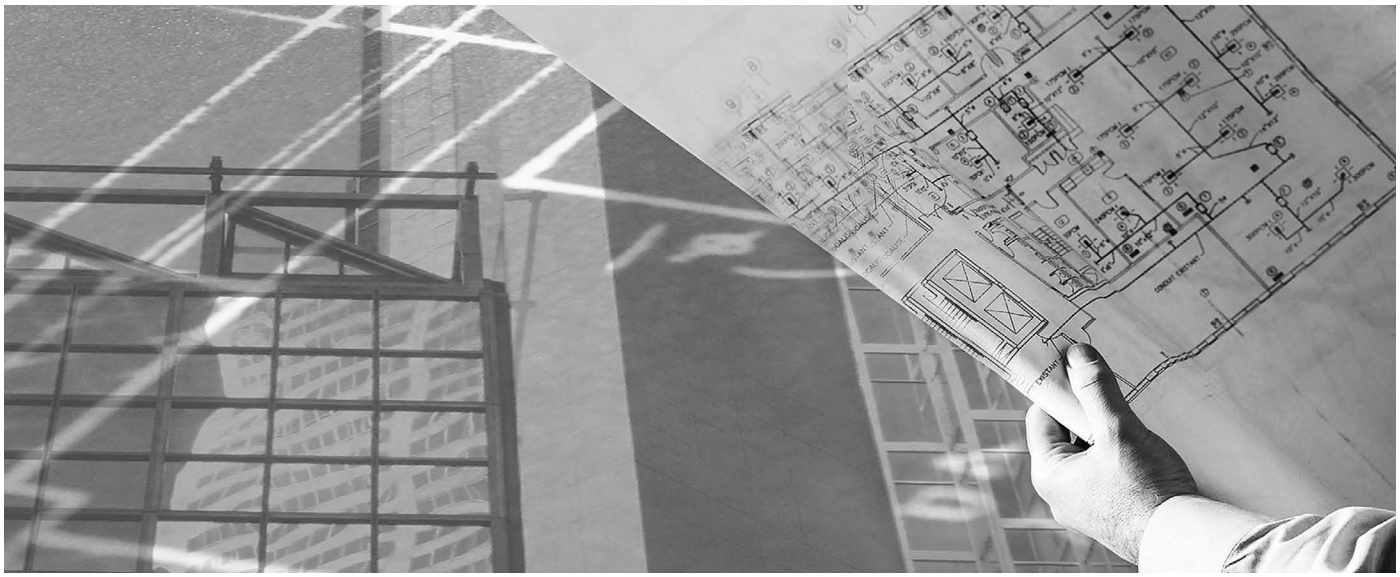
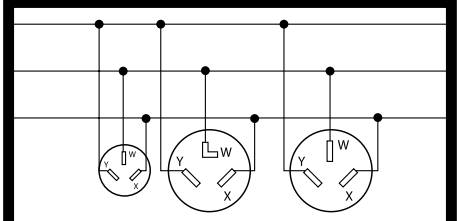


Certification Agencies and Markings

Circuit Wiring Diagrams



Electrical Symbols and Abbreviations

Push Button	Buzzer
Bell	Annunciator
Outside telephone	
Interconnecting telephone	
Telephone switchboard	
Bell ringing transformer	
Electric door opener	

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Product Standards and Installation Codes

Standards and codes of many types developed by and for our industry form a vital consideration in the design of our products. The following pages in this section briefly describe the functions of the organizations producing the standards which influence the safety and design of wiring devices.

The American Boat and Yacht Council Inc. (ABYC) is a not-for-profit membership organization that has been developing and updating the safety standards for boat building and repair for over 50 years. ABYC is actively involved with the International Organization for Standardization (ISO) and is a leader in education for the marine industry, as well as certification programs for marine technicians. ABYC's membership includes boat builders, boat owners, surveyors, boat yards, insurance companies, law firms, trade associations, marinas, dealerships, government agencies, educational institutions and equipment and accessory manufacturers. Over 400 volunteers donate time, expertise, and research while serving on technical committees, which develop and revise the ABYC standards and technical information reports. We ensure quality and professionalism in each of ABYC's services.

UL LLC, formely Underwriters Laboratories Inc. (UL) A for-profit corporation, operating in two distinct roles, as a certifier and testing facility, and as a developer of safety standards. By its own definition, Underwriters Laboratories defines itself as follows: "Underwriters Laboratories Inc. founded in 1894, is chartered as a not-for-profit organization without capital stock, under the laws of the state of Delaware to establish, maintain, and operate laboratories for the examination and testing of devices, systems and materials to determine their relation to hazards to life and property." On January 1, 2012, UL moved to a for-profit structure.

Separate from product certifications, UL develops consensus safety standards for the U.S. UL evaluates products for paying "clients" and if the product submitted passes the requirements of the UL standard for which it is submitted, a UL "Listing" is granted which allows the manufacturer to use the UL manifest or "Label" on its products. Electrical inspectors or other Authorities Having Jurisdiction (AHJs) use UL Listings of products to determine acceptability of electrical installations. It is important to remember that UL is not an approval agency. It approves nothing, but lists a product as meeting minimum standards for safety. The Underwriters "Listing" mark on a product is generally accepted by the public and government agencies as evidence of a "safe" product, not necessarily a "quality" product.

CSA Group, formerly Canadian Standards Association (CSA) is a not-for-profit membership-based association and performs a function for manufacturers similar to that performed in the USA by Underwriters Laboratories Inc. (UL) and National Fire Protection Association (NFPA). CSA Standards develops product safety standards for Canada, which parallel UL standards in many aspects but are not always identical. CSA International evaluates products and grants paying clients "Certification" that their products meet CSA Standards. CSA Standards also sponsors the Canadian Electrical Code (CE Code).

American National Standards Institute, Inc. (ANSI) as the voice of the U.S. standards and conformity assessment system, the American National Standards Institute (ANSI) empowers its members and constituents to strengthen the U.S. marketplace position in the global economy while helping to assure the safety and health of consumers and the protection of the environment.

The Institute oversees the creation, promulgation and use of thousands of norms and guidelines that directly impact businesses in nearly every sector: from acoustical devices to construction equipment, from dairy and livestock production to energy distribution, and many more. ANSI is also actively engaged in accrediting programs that assess conformance to standards – including globally-recognized cross-sector programs such as the ISO 9000 (quality), ISO 14000 (environmental) and ISO 17025 (laboratory) management systems.

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes international standards for all electrical, electronic and related technologies. These serve as a basis for national standardization and as references when drafting international tenders and contracts. Through its members, the IEC promotes international cooperation on all questions of electrotechnical standardization and related matters, such as the assessment of conformity to standards, in the fields of electricity, electronics and related technologies.

IEC's international standards facilitate world trade by removing technical barriers to trade, leading to new markets and economic growth. Put simply, a

component or system manufactured to IEC standards and manufactured in country A can be sold and used in countries B through Z. IEC's standards are vital since they also represent the core of the World Trade Organization's Agreement on Technical Barriers to Trade (TBT), whose 100-plus central government members explicitly recognize that international standards play a critical role in improving industrial efficiency and developing world trade.

The National Electrical Code® (NEC®)
The NEC is a model installation code developed by NFPA's Committee on the National Electrical Code®, which consists of 19 Code-Making Panels and a Technical Correlating Committee. Work on the NEC is sponsored by the National Fire Protection Association (NFPA). The NEC is approved as an American National Standard by the American National Standards Institute (ANSI). It is formally identified as ANSI/NFPA 70. The NEC must be adopted locally by legislation or regulation.

First published in 1897, the NEC is updated and published every three years. The 2017 edition will be published in October 2016. Most states adopt the most recent edition within a couple of years of its publication. As with any "uniform" code, a few jurisdictions regularly omit or modify some sections, or add their own requirements (sometimes based upon earlier versions of the NEC, or locally accepted practices). However, the NEC is the least amended model code, even with it setting minimum standards. No court has faulted anyone for using the latest version of the NEC, even when the local code was not updated to the most recent edition.

National Electrical Manufacturers Association (NEMA®) An organization of over 450 manufacturers of electrical equipment, including, but not limited to, wiring devices, wire and cable, conduit, load centers, pressure wire connectors, circuit breakers, fuses, etc. NEMA is the "voice" of the electrical industry, and through it, standards are developed for electrical distribution.

Generally these standards promote interchangeability between products of one manufacturer with like products made by another manufacturer. In some cases, standards relating to product "performance" are also formulated by NEMA but these are the exception rather than the rule.

NEMA standards are not compulsory, but generally are accepted by those manufacturers that help to write them as a way of making their products more saleable and acceptable. However, many NEMA standards, such as ANSI/NEMA WD 6, are approved by the American Standards Institute and referenced by mandatory UL and CSA product standards. NEMA standards are utilized by many consumers in writing specifications for the materials they purchase. NEMA does not evaluate or certify products or enforce regulations.

General Services Administration Federal Supply Service (GSA) Federal Supply Service (FSS) provides federal customers with the products, services, and programs to meet their supply, service, procurement, vehicle purchasing and leasing, travel and transportation, and personal property management requirements. Hubbell offers devices listed by UL as FED SPEC and can be found throughout this catalog.

Occupational Safety and Health Administration (OSHA) is a branch of the US Department of Labor which was created to assure safe and healthful working conditions for working men and women. OSHA uses regulations from the Federal Register, NFPA and the National Electric Code to establish and enforce safety standards for the workplace. It is important to note: OSHA does NOT approve products. OSHA enforces existing safety regulations.

Canadian Electrical Code, Part I (CE Code)
The CE Code is a model installation code developed by the Committee on CE Code, Part I, composed of members representing inspection authorities, manufacturing and utilizing industries, utilities and allied interests. The Committee meets annually to address reports submitted by 43 section subcommittees. Work on CE Code, Part I is sponsored by CSA Standards. The product standards of CSA Standards comprise the Canadian Electrical Code, Part II.

First published in 1927, the CE Code, Part I, is updated and published every three years, prior to 2006 every four years. The 2012 CE Code, Part I, is the latest edition. As with any "uniform" code, provinces and a few jurisdictions regularly modify or add their own requirements.

NSF International, formerly National Sanitation Foundation (NSF) NSF International is a not-for-profit organization founded in 1944 from the University of Michigan's School of Public Safety. NSF develops public health standards, and provides and enforces certifications to protect food, water, and beverages. NSF is the leading certifier of food service equipment.

Certification Agencies and Markings

Understanding Certification Marks:

Certification marks vary significantly with respect to testing required to achieve a particular mark. In some cases, (i.e.: Specification Grade), no outside certification agency is involved. The manufacturer decides which of their products they wish to be so identified. The following table for 15 and 20A Straight Blade receptacles demonstrates these wide differences. The understanding of these marks permits the user/specifier to make more meaningful product selections.

Understanding Product Certification Marks - 15 and 20 Amp Straight Blade Receptacles
Products that carry certification marks must meet the specific testing standards indicated

Certification Mark	Description	UL 498	CSA, C22.2 No. 42	UL 498 Hospital Grade	CSA, C22.2 No. 42 M Hospital Grade	DESC WC596
Spec Grade*	Self Certified, No Testing Required- Advertising/Trade Name					
	Used on recognized component parts that are part of a Listed product or system intended for the United States. Component "C" intended for Canada. Recognized components are intended only for installation by Original Equipment Manufacturers (OEMs) within their Listed products, and are not accepted by electrical inspectors for general-use field installations due to limitations called Conditions Of Acceptability (COA).	X				
	Used on recognized component parts that are part of a Listed product or system intended for the United States and Canada. Recognized components are intended only for installation by Original Equipment Manufacturers (OEMs) within their Listed products, and are not accepted by electrical inspectors for general-use field installations due to limitations called Conditions Of Acceptability (COA).	X				
	Products found with this mark means Underwriters Laboratory or CSA International found that representative samples of this product met Underwriters Laboratory's published Standards for Safety intended for the US market.	X				
	Products found with this mark are certified primarily for the Canadian market.		X			
	Products intended for US and Canada.	X	X			
• Hospital Grade	In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards.	X		X		
• Hospital Grade	In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards.		X		X	
Fed. Spec.	In addition to complying with general use grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	X				X
Fed. Spec. • Hospital Grade	In addition to complying with general use and hospital grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	X		X		X

*Note: *Includes such variation as Premium Spec, Super Spec, etc.*
***End Product test also required.*

Cross Reference Note:

Recognize that cross reference guides supplied by some manufacturers should be used only to determine compatible devices (rating and configuration). It does not, in any way, deal with performance levels (which will vary widely by manufacturer). Common catalog numbers are often used for convenience of selection. The use of the same catalog number is solely the discretion of the manufacturer. It in no way implies compliance to any standard or testing criteria.

Industry Associations, Organizations and Standards

For convenience, the following listings define common acronyms for a variety of organizations.

Standards Development Organizations: Organizations primarily involved in the development and/or promulgation of standards.

ANSI	American National Standards Institute.
CANENA	Consejo de Armonizacion de los Naciones de America.
CSA	Canadian Standards Association.
IEC	International Electrotechnical Commission.
IEEE	Institute of Electrical & Electronics Engineers, Inc.
ISA	The Instrumentation, Systems and Automation Society.
ISO	International Organization for Standardization.
LEEDS	Leadership in Energy and Environmental Design.
NFPA	National Fire Protection Association, Inc.
NSF	National Sanitation Foundation.
SAE	Society of Automotive Engineers.
SME	Society of Manufacturing Engineers.
USGBC	United States Green Building Council.
UL	Underwriters Laboratories Inc.

Installation Codes

CEC Part I	Canadian Electrical Code, Part I.
NEC®	National Electrical Code®.
NOM	Normas Oficiales Mexicanas (Mexican Electrical Code).

Industry Associations: Associations of companies or individuals for the purpose of standardization, trade, and professional development, etc.

ABYC	American Boat and Yacht Council.
ASTM	American Society for Testing and Materials.
BICSI	Building Industry Consulting Services International.
BOMA	Building Owner Management Association.
CANAME	Camara Nacional de Manufacturas Electricas.
CEMRA	Canadian Electrical Manufacturers Representative Association.
ECOC	Electrical Contractors of Canada.
EF-C	Electro-Federation-Canada.
EIA	Electronic Industries Alliance.
EPRI	Electric Power Research Institute.
IAEI	International Association of Electrical Inspectors.
IECI	Independent Electrical Contractors International.
IFMA	International Facilities Management Association.
NAED	National Association of Electrical Distributors.
NAW	National Association of Wholesalers.
NECA	National Electrical Contractors Association.
NEMA	National Electrical Manufacturers Association.
NEMRA	National Electrical Manufacturers Representatives Association.
NMDA	National Marine Distributor Association.
NMRA	National Marine Representative Association.
SEMI	Semi Conductor Equipment and Material International.
TIA	Telecommunication Industry Association.

General Technical Data

Codes and Standards Organizations

For convenience, the following listings define common acronyms for a variety of organizations.

Certification Agencies: Primarily involved in certification of products or manufacturers to standards developed by the certification agency or by others.

ANCE	National Association of Normalization and Certification of the Electrical Sector.
BSI	British Standards Institute.
CE	Self Certification Marking of European Community.
CCC	China Compulsory Certification.
CSA	Canadian Standards Association or CSA International.
FM	Factory Mutual.
NRTL	Nationally Recognized (by OSHA) Testing Laboratory.
PSE	Product Safety Electrical Appliance and Material (Japan).
TÜV	TÜV Rheinland of N.A., Inc.
UL	Underwriters Laboratories Inc.
VDE	Verband Deutscher Elektrotechniker (Germany).

Note: Hubbell products are in the process of being certified in Mexico. Many have already been certified. Consult with the factory for specific data.

Government Agencies

DSCC	Defense Supply Center – Columbus.
EU	European Union.
FCC	Federal Communications Commission.
IAPA	Industrial Accident & Prevention Association (Canada).
OSHA	Occupational Safety and Health Administration.

Copies of standards referred to on the preceding pages may be purchased from the following:

American Boat and Yacht Council, Inc. (ABYC)
613 Third Street, Suite 10
Annapolis, MD 21403
USA

The American National Standards Institute (ANSI)
25 West 43rd Street,
(between 5th and
6th Avenues), 4 floor
New York, NY 10036

or

1819 L Street, NW
(between 18th and
19th Streets), 6th floor
Washington, DC 20036
USA

CSA Group (CSA)
178 Rexdale Boulevard
Toronto, Ontario
M9W 1R3
CANADA

National Electrical Manufacturers Association (NEMA)
1300 North 17th Street
Rosslyn, VA 22209
USA

National Fire Protection Association (NFPA)
1 Batterymarch Park
Quincy, MA 02169-7471
USA

NSF International (NSF)
789 North Dixboro Road
Ann Arbor, MI 49105
USA

The International Electrotechnical Commission (IEC)
IEC Central Office
3, rue de Varembé
P.O. Box 131
CH - 1211 GENEVA 20
Switzerland

Asociacion Nacional de Normalizacion y Certificacion del Sector Electrico A.C. (NOM – ANCE)
Ibsen No.13,
Colonia Chapultepec Polanco,
C.P.11560 México, D.F.,
Conmutador 5280-6775

Occupational Safety and Health Administration (OSHA)
Occupational Safety & Health Administration
200 Constitution Avenue, NW
Washington, DC 20210
USA

UL LLC (UL)
Underwriters Laboratories Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
USA

AC Switch Data and Horsepower Explanation

AC Test Requirements

When AC general use switches were considered by the industry and Underwriters' Laboratories, Inc. thought was given to the ratings and it was decided to rate the switches in accordance with NEC branch circuit ratings of 15, 20 and 30 amperes. It was also decided to test the switch for all the loads that could be applied to a branch circuit. Therefore, all AC switches are tested on resistance, tungsten lamp and inductive loads to 100% of switch rating.

Underwriters' Laboratories and Canadian Standards Association Test requirements for AC General Use Switches

In order to be listed by Underwriters' Laboratories, Inc. and certified by CSA International, all 15, 20 and 30 amperes 120/277V AC switches must perform, without failure, the following sequence of tests.

1. An overload test of 100 cycles at 4.8 times rated current and 40-50% power factor and rated voltage. This overload test is performed at 144 amps, 277 volts for 30 ampere switches at 6-10 cycles per minute.

2. 10,000 cycles on a plain resistance load at full rating of 15, 20 or 30 amperes, at 277 volts at 18-24 cycles per minute.

3. 10,000 cycles on an inductive load of either 15, 20 or 30 amperes at 277 volts, 80% power factor at 24 cycles per minute.

4. 10,000 cycles at 15, 20 or 30 amperes, 120 volts on a tungsten filament lamp load at 6-10 cycles per minute.

5. Temperature rise at test-rated load. In this test, temperature rise must not exceed 30 degrees Celsius.

6. A switch shall withstand, without breakdown, 1500 volts for 1 minute between live parts of opposite polarity and between live parts and dead metal parts, with the switch at the maximum operating temperature reached in intended use.

Explanation of "Horsepower" Ratings

Manual motor controllers marked with Horsepower Ratings are suitable for controlling the Motor Loads of the HP ratings shown on the manual motor controllers for that operating voltage as well as for lower HP ratings.

To qualify for an HP rating, a manual motor controllers is tested at (6) six times the full load Motor Current corresponding to the HP rating marked on the switch. (For DC Motor Controllers, the test is made at 10 times the full load Motor Current corresponding to the DC HP rating marked on the switch). The test consists of 50 on-off operations at this load and the test is conducted on (3) three samples. For ¾ HP 120 - 240 volts AC rating, (2) two sets of (3) three samples each are tested in addition to the regular overload, endurance, temp. rise and dielectric tests. The test circuit characteristics are:

	For ¾ HP 120V AC	**For ¾ HP 240V AC**
Closed Circuit Volts	120 volts AC	240 volts AC
Current	82.8 amps	41.4 amps
Power Factor	0.40-0.50	0.40-0.50

Note: Current at 240V AC is ½ that at 120V AC

All manual motor controllers must be in good operating condition after the tests have been completed. There must be no excessive arcing, welding or burning of the contacts nor arc-over to the ground (the manual motor controller frames are grounded during the stalled rotor test).

Wiring Device Standards and Testing

Wiring Device Standards

There are many different marketing terms in the electrical industry to describe the various electrical receptacles available from different manufacturers. Some of these terms include: Spec-Grade, Commercial, Heavy Duty, Industrial, Hard-Use, etc. There are no clear or universal definitions for these terms. There is no criteria established to differentiate one term from the next. Reliance solely upon these terms is not a reliable measure of performance or durability in a given application.

Underwriters Laboratories (UL) recognized a need to categorize receptacles based on application and expectations of performance. As a result, UL verifies performance to the following designations. Here are brief descriptions of each:

General Use - UL 498 – All duplex receptacles are required to meet these general requirements. Devices bearing the UL mark for general use have been tested to insure they can safely provide power in typical everyday usage (vacuum, lamps, electronics, etc.).

Fed. Spec.

Fed. Spec. - W-C-596 – The Federal Government wanted some way to determine that a receptacle performed better than average and would withstand the tougher demands of institutional use (post offices, military installations, prisons, etc.). Fed. Spec. listing identifies receptacles as having construction features, marking specifications and performance requirement (i.e., plug retention, increased cycle testing) beyond the requirements of the general use listing.

• Hospital Grade

Hospital Grade – In addition to compliance with general use requirements, Hospital Grade receptacles must meet performance criteria designed to test: ground reliability, assembly integrity, overall strength and reliability. Hospital Grade devices are marked with a green dot on their face.

Fed. Spec.
• Hospital Grade

Hospital Grade Fed. Spec. – Receptacles meeting this designation meet requirements and have completed test programs for both Fed. Spec. and Hospital Grade receptacles. All Hubbell Hospital Grade devices are UL listed to this designation.

These UL designations are a better determinant of performance than marketing descriptions, for performance and durability.

Wiring Device Standards and Testing

Testing for Hospital Grade and Fed. Spec. Listing of Hubbell Receptacles, Plugs and Connectors

All Hubbell Hospital Grade products are tested quarterly in our factories with Underwriters Laboratories.

Receptacles

Fed. Spec. Test: Ground Pin Retention Test - The grounding contact of the receptacle is conditioned by twenty insertions with a 0.204 inch oversized diameter pin. After conditioning, a 0.184 inch diameter pin is inserted in the grounding contact must be capable of supporting a weight of at least 4 ounces for one minute.

Fed. Spec. Test: Power Blade Retention Test - A test plug with a single oversized blade measuring 0.075 inch thick is inserted into each current carrying contact for twenty conditioning cycles. When the conditioning cycles are completed, each contact must be capable of supporting, for one minute, 1.5 pounds secured to a single 0.055 inch thick solid steel blade without holes.

HG Test: Abrupt Removal of Plug Test - A steel bodied test plug with blades made of brass is inserted into the receptacle. A 10 pound weight dropped from at least 24 inches, pulls the plug out of the receptacle abruptly. This test is done eight times with the receptacle rotated in different positions to create the greatest stress to the face and contacts. Then, with the receptacle facing down, the grounding contact must retain a 4 ounce grounding pin with a 0.184 inch diameter for one minute. After this test there shall be no breakage of the receptacle that interferes with the receptacle function or to the integrity of the enclosure.

Fed. Spec. Test: Assembly Security Test - A force of 100 pounds is applied through the slots of the receptacle into the base while the bridge is supported at its screw mounting positions. Each receptacle is then examined for damage.

Plugs and Connectors

HG Test: Impact Test – A plug or connector wired with the minimum size flexible cord is subjected to an impact from a 10 pound cylindrical weight having a flat face with a 2 inch diameter dropped from a height of 18 inches. After the test, there shall be no breakage or other damage that may effect the function of the device.

HG Test: Mechanical Drop Test – The cord connector is wired to #18 AWG flexible cord and suspended horizontally. It is released so it impacts a hardwood surface 45 inches below the point of suspension. This is repeated for 1,300 cycles. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

HG Test: 500 Pound Crush Test – A wired plug or connector is placed between two hardwood slabs while subjected to a force which is progressively increased to 500 pounds. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

HG Test: Strain Relief Test – While assembled to a plug or connector but not wired to the terminals; the cord must remain securely fastened after a straight pull of 30 pounds and a rotary motion within 3 inch circles with a 10 pound force applied for two consecutive hours. Displacement of conductors, insulation and outer jacket of the flexible cord shall not exceed 0.031 inch. There shall be no cuts, rips or tears in the insulation of the cord.

RoHS, WR, TR and LED Power Descriptions

RoHS - Restriction of Hazardous Substances

This EU Directive, 2002/95/EC, prohibits the use of mercury, cadmium, lead, chromium VI, PBB (polybrominated biphenyls) and PBDE (polybrominated diphenyl ethers) in certain electrical products. The regulatory maximums for these items are 0.01%, by weight, for cadmium and 0.1%, by weight, for the other five items in each "homogenous unit" contained within that product. There are certain exemptions available from the RoHS requirements.

Weather Resistant Receptacles

Per National Electrical Code (NEC®) Section 406.9; all 125 and 250 volt, 15 and 20 amp non-locking receptacles for use in damp or wet locations shall be a listed weather resistant type. Listed devices are required to have a WR marking on the face visible when installed.

Tamper-Resistant Receptacles

Per National Electrical Code (NEC®) Section 406.12 now addresses all 15 and 20 ampere, 125 and 250 volt nonlocking-type receptacles in the areas specified in 406.12(1) through (7) shall be listed tamper-resistant receptacles. New occupancies have been added to the receptacle tamper-resistant requirements: Dwelling units, guest rooms and guest suites of hotels and motels, child care facilities, preschools and elementary education facilities, business offices, corridors, waiting rooms and in clinics, medical and dental offices and outpatient facilities, places of waiting transportation, gymnasiums, skating rinks, auditoriums and dormitories.

LED Power Indicators

Most popularly used to identify emergency circuits in hospitals, the LED power indicators are bright enough to be visible in low light as well as bright daylight conditions.

Tamper-Resistant SG Series Duplex Receptacle, Hospital Grade. How the SG Tamper-Resistant Receptacle Works.

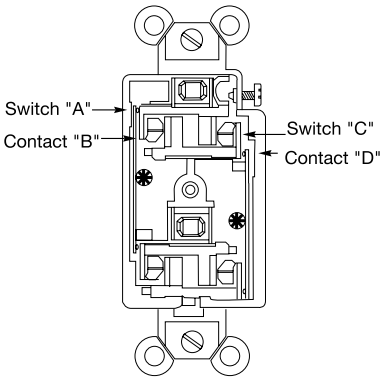


Figure 1

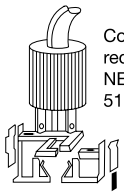


Figure 2

As shown in Figure 1, Switch “A” energizes the left hand Contact “B” and Switch “C” energizes the right hand Contact “D”. The same arrangement applies to the lower portion of the outlet.

If, for example, a metallic object is inserted into the left power Contact “B” only, the object is not energized because it requires the additional insertion of a similar object in the opposite Contact “D” to move the slider to close Switch “A”.

Similarly, if an object is inserted into the right hand slot only, it cannot become energized unless and additional object is inserted in the opposite slot to close Switch “C”.

In other words it requires the presence of an object in both right and left hand contacts to energize the device. This condition is in practice fulfilled only by the insertion of the proper electrical plug as shown in Figure 2.

Remember, this receptacle can be used with either a 2 or 3 wire plug. No other tamper-resistant receptacle on the market can provide you with greater reliability and durability than the Hubbell hospital grade tamper resistant receptacle.

Complies with requirements of NEC Section 517-18(c).

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

NEMA and IEC Classifications

Comparison Between NEMA Enclosure Type Numbers and IEC Enclosure Classification Designations

IEC Publication 60529 Classification of Degrees of Protection Provided by Enclosures provides a system for specifying the enclosures of electrical equipment on the basis of the degree of protection provided by the enclosure. IEC 60529 does not specify degrees of protection against mechanical damage of equipment, risk of explosions, or conditions such as moisture (produced for example by condensation), corrosive vapors, fungus, or vermin. NEMA Standards Publication 250 does test for environmental condition such as corrosion, rust, icing, oil, and coolants. For this reason, and because the tests and evaluations for other characteristics are not identical, the IEC Enclosure Classification Designations cannot be exactly equated with NEMA Enclosure Type Numbers.The IEC designation consists of the letters IP followed by two numerals. The first characteristic numeral indicates the degree of protection provided by the enclosure with respect to persons and solid foreign objects entering the enclosure. The second characteristic numeral indicates the degree of protection provided by the enclosure with respect to the harmful ingress of water.

The table below provides an equivalent conversion from NEMA Enclosure Type Numbers to IEC Enclosure Classification Designations. The NEMA Types meet or exceed the test requirements for the associated IEC Classifications; for this reason the table cannot be used to convert from IEC Classifications to NEMA Types.

Conversion of NEMA Type Numbers to IEC Classification Designations

(Cannot be used to convert IEC classification designations to NEMA type numbers)

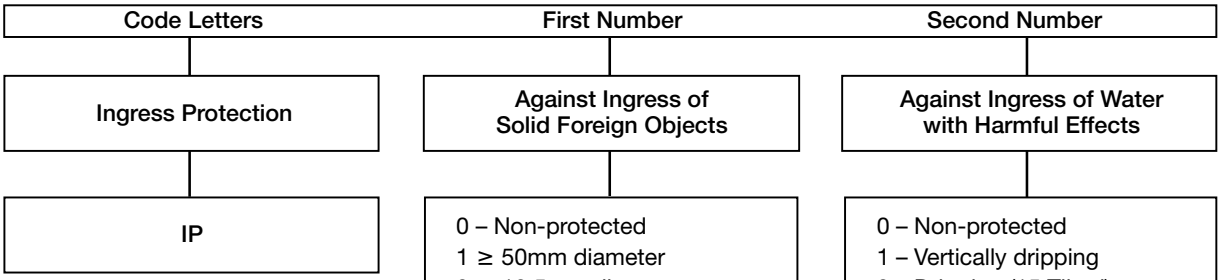
NEMA Enclosure Type Number	IEC Enclosure Classification Designation	Basic Description
1	IP10	General Purpose
2	IP11	Dripproof- Indoor
3	IP54	Dusttight, Raintight and Sleet (Ice) Resistant- Outdoor
3R	IP14	Rainproof and Sleet (Ice) Resistant- Outdoor
3S	IP44, IP54	Dusttight, Raintight and Sleet (ice) Proof- Outdoor
4	IP56	Watertight and Dusttight- Indoor and Outdoor
4X	IP56	Watertight, Dusttight and Corrosion-Resistant - Indoor and Outdoor
5	IP52	Superseded by Type 12 for Control Apparatus
6	IP67	Submersible, Watertight, Dusttight and Sleet (Ice) Resistant- Indoor and Outdoor
12	IP52	Industrial Use, Dusttight and Driptight- Indoor
12K	IP52	Industrial Use, Dusttight and Driptight with Knockouts- Indoor
13	IP54	Oiltight and Dusttight- Indoor

Elements of the IP Code and Their Meanings - *In Accordance with Standard IEC 60529*

IP Suitability Ratings are a system for classifying the degree of ingress protection provided by enclosures of electrical equipment. Generally, the higher the number, the greater the degree of protection; they apply ONLY to properly installed equipment.

Example: IP67 = Ingress Protection/Dust-Tight/Temporary Immersion

Meaning for the Protection of Equipment



The numerals stand for the following:

1. First Numeral: degree of protection for persons against access to hazardous parts inside the enclosure and/or against the ingress of solid foreign objects.
2. Second Numeral: degree of protection of equipment inside enclosures against damage from the ingress of water.

Enclosure Types for Self-Certified Non-Hazardous (Unclassified) Locations

	NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum)	UL50E Standard for Enclosures for Electrical Equipment Environmental Considerations	CAN/CSA C22.2 No. 94.2 Special Purpose Enclosures
Designation	**Intended Use and Description**	**Intended Use and Description**	**Intended Use and Description**
Definition	An enclosure is a surrounding case constructed to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.	Enclosure - A surrounding case constructed to provide a degree of protection against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.	Enclosures…provide a degree of protection against accidental contact with the enclosed equipment, and to the enclosed equipment, against specified environmental conditions.
Type 1	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection against falling dirt.	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.	No CSA equivalent.
Type 2	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment, to provide a degree of protection against falling dirt, and to provide a degree of protection against dripping and light splashing of non-corrosive liquids.	Indoor use primarily to provide a degree of protection against limited amounts of falling water and dirt.	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids, and falling dirt.
Type 3	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and that will be undamaged by the external formation of ice on the enclosure.	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and wind blown dust; undamaged by the external formation of ice on the enclosure.
Type 3X	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.
Type 3R	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, and snow; and that will be undamaged by the external formation of ice on the enclosure.	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain and snow, undamaged by the external formation of ice on the enclosure.
Type 3RX	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.
Type 3S	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and in which the external mechanism(s) remain operable when ice laden.	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust, and to provide for operation of external mechanisms when ice laden.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and windblown dust, the external mechanism(s) remain operable while ice covered.
Type 3SX	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.
Type 4	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, and hose-directed water, and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure.
Type 4X	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and corrosion; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water, undamaged by the external formation of ice on the enclosure; resists corrosion.

Enclosure Types for Self-Certified Non-Hazardous (Unclassified) Locations

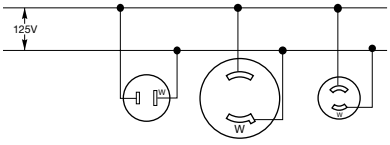
	NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum)	UL50E Standard for Enclosures for Electrical Equipment Environmental Considerations	CAN/CSA C22.2 No. 94.2 Special Purpose Enclosures
Designation	**Intended Use and Description**	**Intended Use and Description**	**Intended Use and Description**
Type 5	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against settling airborne dust, lint, fibers, and flyings; and to provide a degree of protection against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids and settling dust, lint, fibers, and flyings.
Type 6	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose directed water and the entry of water during occasional temporary submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during occasional temporary submersion at a limited depth, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during occasional temporary submersion at a limited depth; undamaged by the external formation of ice on the enclosure.
Type 6P	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose-directed water and the entry of water during prolonged submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during prolonged submersion at a limited depth; undamage by the external formation of ice on the enclosure; resists extended corrosion.
Type 12	Enclosures constructed (without knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts.
Type 12K	Enclosures constructed (with knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts.
Type 13	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against the spraying, splashing, and seepage of water, oil, and non-corrosive coolants.	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and non-corrosive coolant.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibers, and flyings; seepage and spraying of non-corrosive liquids including oils and coolants.

Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations

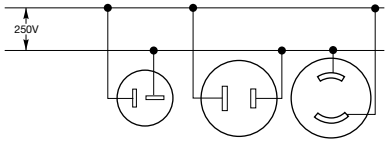
(Configurations shown are for female devices)

125V – 2P, 2W



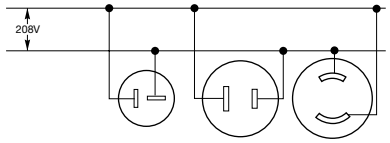
ANSI/NEMA WD-6 1-15R L1-15R ML1-R

250V – 2P, 2W



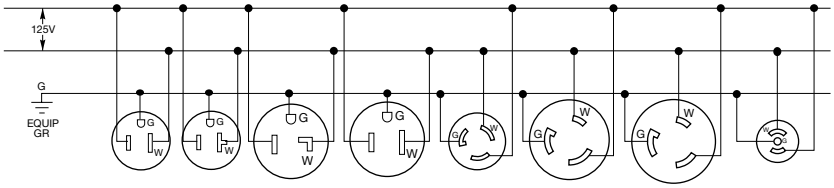
ANSI/NEMA WD-6 2-20R 2-30R L2-20R

208V AC Line-to-Line* – 2P, 2W



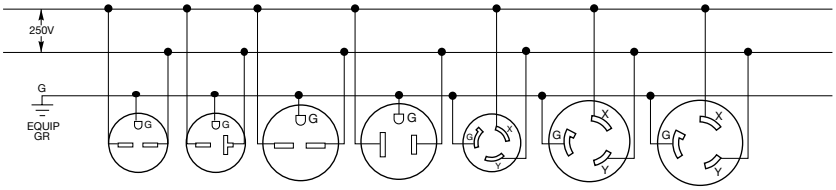
ANSI/NEMA WD-6 2-20R 2-30R L2-20R

125V – 2P, 3W – Grounding



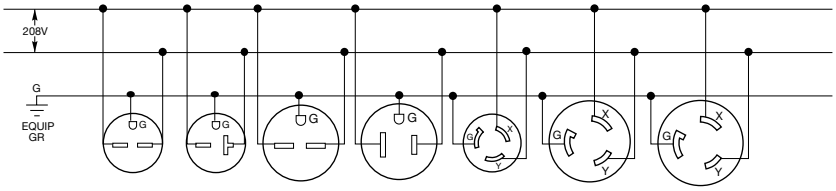
ANSI/NEMA WD-6 5-15R 5-20R 5-30R 5-50R L5-15R L5-20R L5-30R ML2-R

250V – 2P, 3W – Grounding



ANSI/NEMA WD-6 6-15R 6-20R 6-30R 6-50R L6-15R L6-20R L6-30R

208V AC Line-to-Line* – 2P, 3W – Grounding



ANSI/NEMA WD-6 6-15R 6-20R 6-30R 6-50R L6-15R L6-20R L6-30R

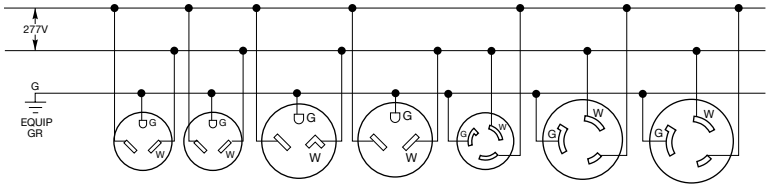
*Note: *Does NOT encompass 208V AC Line-to-Neutral.*
The above diagrams are intended to show device terminal identification only.

Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations

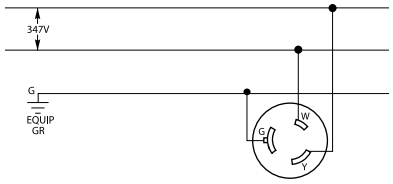
(Configurations shown are for female devices)

277V AC – 2P, 3W – Grounding



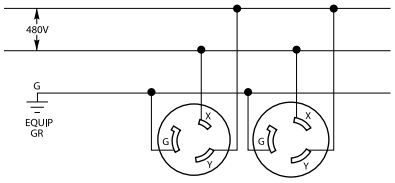
ANSI/NEMA WD-6 7-15R 7-20R 7-30R 7-50R L7-15R L7-20R L7-30R

347V AC – 2P, 3W – Grounding



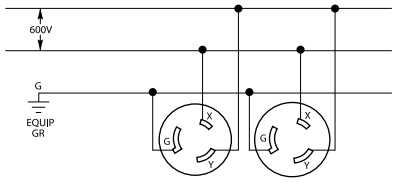
ANSI/NEMA WD-6 L24-20R

480V AC – 2P, 3W – Grounding



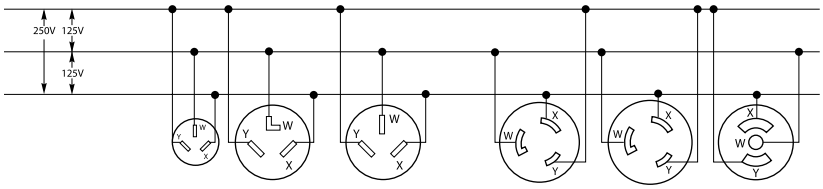
ANSI/NEMA WD-6 L8-20R L8-30R

600V AC – 2P, 3W – Grounding



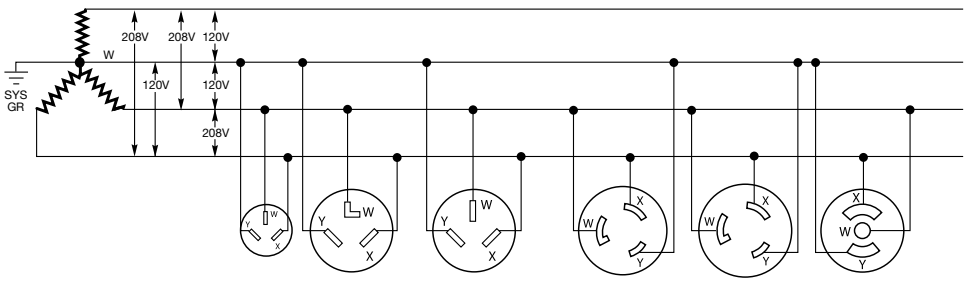
ANSI/NEMA WD-6 L9-20R L9-30R

125/250V – 3P, 3W



ANSI/NEMA WD-6 10-20R 10-30R 10-50R L10-20R L10-30R ML3-R

1Ø 120/208YV AC – 3P, 3W



ANSI/NEMA WD-6 10-20R 10-30R 10-50R L10-20R L10-30R ML3-R

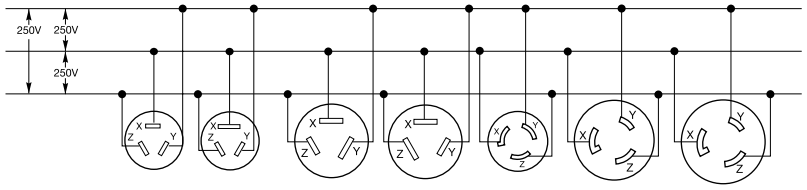
Note: The above diagrams are intended to show device terminal identification only.

Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations

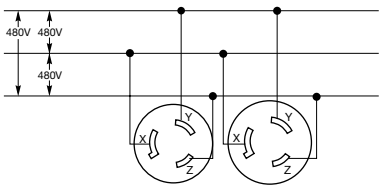
(Configurations shown are for female devices)

3Ø 250V AC – 3P, 3W



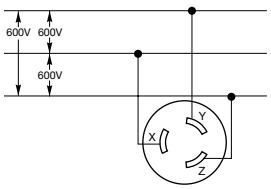
ANSI/NEMA WD-6 11-15R 11-20R 11-30R 11-50R L11-15R L11-20R L11-30R

3Ø 480V AC – 3P, 3W



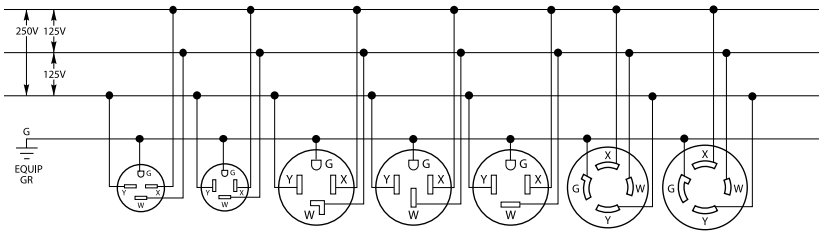
ANSI/NEMA WD-6 L12-20R L12-30R

3Ø 600V AC – 3P, 3W



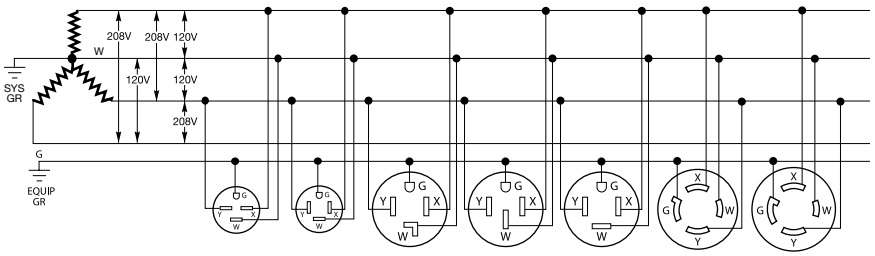
ANSI/NEMA WD-6 L13-30R

125/250V – 3P, 4W



ANSI/NEMA WD-6 14-15R 14-20R 14-30R 14-50R 14-60R L14-20R L14-30R

1Ø 120/208YV AC – 3P, 4W – Grounding



ANSI/NEMA WD-6 14-15R 14-20R 14-30R 14-50R 14-60R L14-20R L14-30R

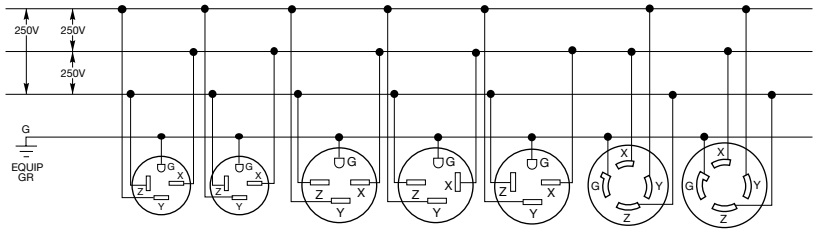
Note: The above diagrams are intended to show device terminal identification only.

Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations

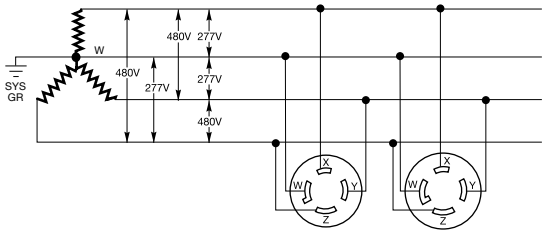
(Configurations shown are for female devices)

3Ø 250V – 3P, 4W – Grounding



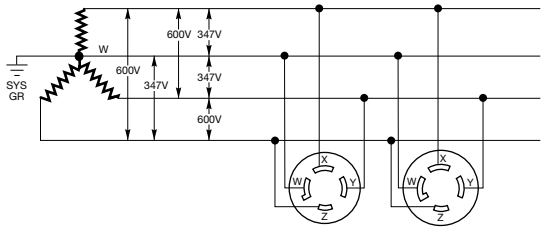
ANSI/NEMA WD-6 15-15R 15-20R 15-30R 15-50R 15-60R L15-20R L15-30R

3ØY 277/480V AC – 4P, 4W



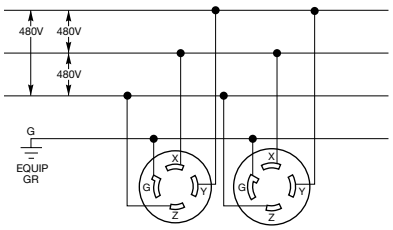
ANSI/NEMA WD-6 L19-20R L19-30R

3ØY 347/600V AC – 4P, 4W



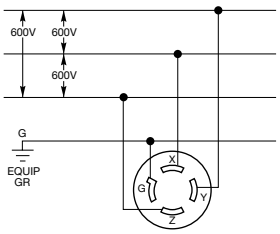
ANSI/NEMA WD-6 L20-20R L20-30R

3Ø 480V AC – 3P, 4W – Grounding



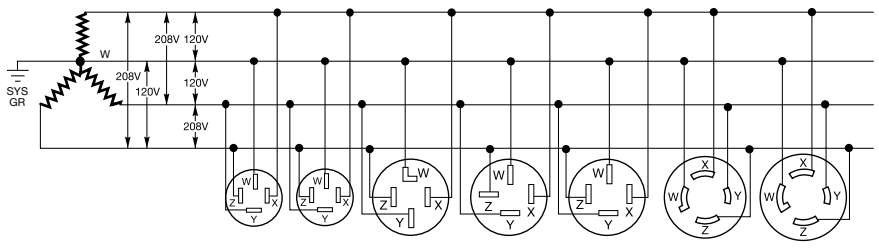
ANSI/NEMA WD-6 L16-20R L16-30R

3Ø 600V AC – 3P, 4W – Grounding



ANSI/NEMA WD-6 L17-30R

3ØY 120/208V AC – 4P, 4W



ANSI/NEMA WD-6 18-15R 18-20R 18-30R 18-50R 18-60R L18-20R L18-30R

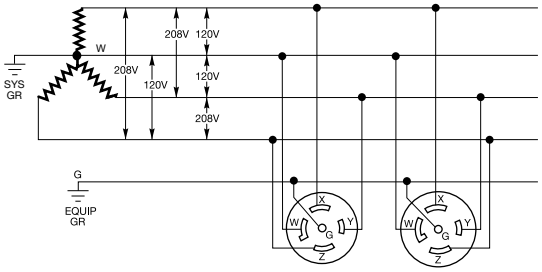
Note: The above diagrams are intended to show device terminal identification only.

Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations

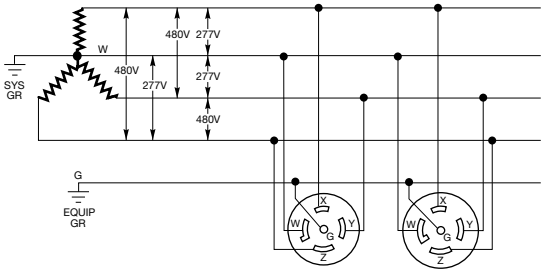
(Configurations shown are for female devices)

3ØY 120/208V AC – 4P, 5W – Grounding



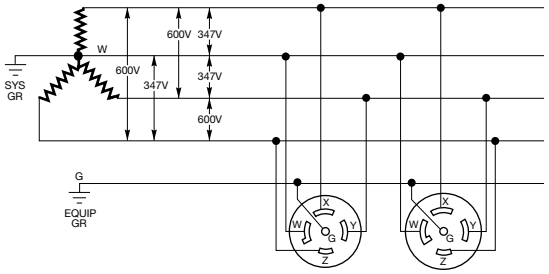
ANSI/NEMA WD-6 L21-20R L21-30R

3ØY 277/480V AC – 4P, 5W – Grounding



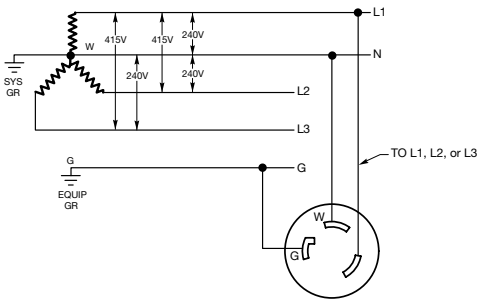
ANSI/NEMA WD-6 L22-20R L22-30R

3ØY 347/600V AC – 4P, 5W – Grounding



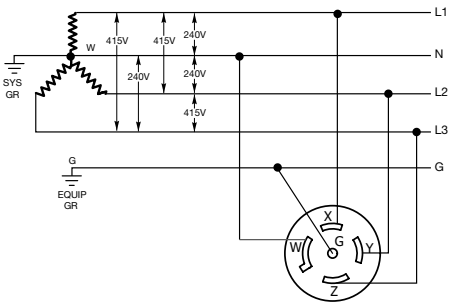
ANSI/NEMA WD-6 L23-20R L23-30R

3ØY 220/380V AC – 4P, 5W – Grounding



L25-30R

3ØY 240/415V AC – 4P, 5W – Grounding



L26-30R

Note: The above diagrams are intended to show device terminal identification only.

Horsepower Ratings and UL 508A Table SB4.1

Horsepower Ratings for NEMA Configurations – Plugs and Receptacles Only

Straight Blade				Locking			
NEMA Configuration	AC HP Rating[1]	NEMA Configuration	AC HP Rating[1]	NEMA Configuration	AC HP Rating[1]	NEMA Configuration	AC HP Rating[1]
1-15	0.5	11-15 11-20 11-30 11-50	2 3 3 7.5	L1-15	0.5	L11-15 L11-20 L11-30	2 3 3
2-15 2-20 2-30	1.5* 2* 2*			L2-20	2*		
5-15 5-20 5-30 5-50	0.5 1 2 2	14-15 14-20 14-30 14-50 14-60	1.5 L-L* 0.5 L-N 2 L-L* 1 L-N 2 L-L* 2 L-N 3 L-L* 2 L-N 3 L-L* 2 L-N	L5-15 L5-20 L5-30	0.5 1 2	L12-20 L12-30	5 10
6-15 6-20 6-30 6-50	1.5* 2* 2* 3*			L6-15 L6-20 L6-30	1.5* 2* 2*	L14-20 L14-30	2 L-L* 1 L-N 2 L-L* 2 L-N
7-15 7-20 7-30 7-50	2 2 3 5			L7-15 L7-20 L7-30	2 2 3	L15-20 L15-30	3 3
		15-15 15-20 15-30 15-50 15-60	2 3 3 7.5 10	L8-20 L8-30	3 5	L16-20 L16-30	5 10
						L18-20 L18-30	2 3
10-20 10-30 10-50	2 L-L* 1 L-N 2 L-L* 2 L-N 3 L-L* 2 L-N	18-15 18-20 18-30 18-50 18-60	2 2 3 7.5 7.5	L10-20 L10-30	2 L-L* 1 L-N 2 L-L* 2 L-N	L19-20 L19-30	5 10
						L21-20 L21-30	2 3
						L22-20 L22-30	5 10
						L25-30	2
						L26-30	7.5

Note: [1]The phase to phase horsepower ratings are noted "L-L". The phase to neutral ratings are identified "L-N".
**Also suitable for 208V Line-to-Line, not 208V Line-to-Neutral.*

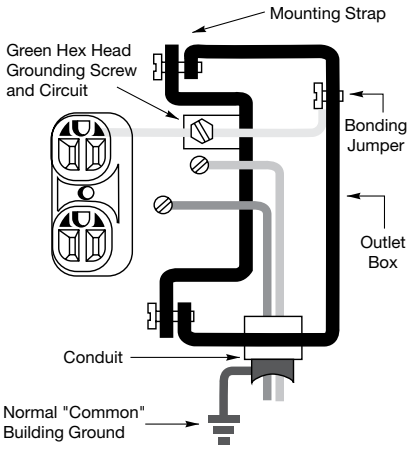
UL 231 Table 2.1, UL 508A Table SB4.1, UL 891 Table 16 - Assumed Maximum Short Circuit Current Rating for Unmarked Components When Used in UL 231 Power Outlets, UL 508A Industrial Control Panels, and UL 891 Switchboards

Component	Short Circuit Current Rating, kA
Bus bars	10
Circuit breaker (including GFCI type)	5
Current meters	a
Current shunt	10
Fuseholder	10
Industrial control equipment:	
a. Auxiliary devices (overload relay)	5
b. Switches (other than mercury tube type)	5
c. Mercury tube switches	
- Rated over 60 amperes or over 250 volts	5
- Rated 250 volts or less, 60 amperes or less, and over 2 kVA	3.5
- Rated 250 volts or less and 2 kVA or less	1
Motor controller, rated in horsepower (kW)	
a. 0 – 50 (0 – 37.3)	5c
b. 51 – 200 (38 – 149)	10c
c. 201 – 400 (150 – 298)	18c
d. 401 – 600 (299 – 447)	30c
e. 601 – 900 (448 – 671)	42c
f. 901 – 1500 (672 – 1193)	85c
Meter socket base	10
Miniature or miscellaneous fuse	10b
Receptacle (GFCI type)	2
Receptacle (other than GFCI type)	10
Supplementary protector	0.2
Switch unit	5
Terminal block or power distribution block	10

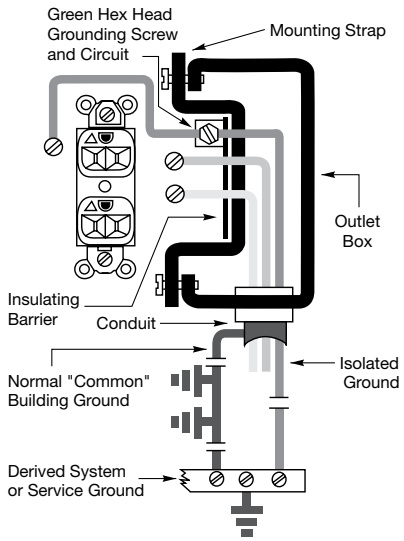
Note: a A short circuit current rating is not required when connected via a current transformer or current shunt.
A directly connected current meter shall have a marked short circuit current rating.
b The use of a miniature fuse is limited to 125-volt circuits.
c Standard fault current rating for motor controller rated within specified horsepower range.

Isolated Ground Story

Conventional Receptacle



Isolated Ground Receptacle



Hubbell Isolated Ground Receptacles

Why do you need an isolated ground device?

When mounting a conventional receptacle in a steel box, the ground is commonly established through the existing electrical system. This is done by using either the grounding clip on the receptacle's mounting strap, or by running a ground wire (which is part of the "normal" existing system) to the green grounding screw.

In a conventional receptacle the grounding contacts are connected to the mounting strap and the green grounding screw. Thus, even when a separate green wire is brought to the receptacle, it is still tied into the normal ground. This occurs since the mounting strap is in contact with the box grounding system, therefore, a "pure" isolated path to the ground is not established.

The Problem

The conventional grounding receptacle provides safety for personnel and equipment. However, the ground network also serves as a giant antenna and conductor of electrical noise. This electrical noise is electromagnetic interference and is caused by numerous transient ground currents. This can produce random transient electrical signals on the grounding system.

As a result, sensitive electronic equipment such as point of purchase terminals, accounting machines, computers and highly sensitive medical and communications equipment, can pick up these transient signals. This can interfere with the proper operation of the equipment.

The Solution

The isolated ground receptacle is similar to a conventional receptacle except for one important change. Insulating barrier construction, first patented by Hubbell, isolates the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. The isolated equipment grounding circuit is completed by running an isolated ground wire to the green grounding screw. This ground wire passes through intermediate panel boards without being connected to their grounding terminal and terminates directly at an equipment grounding conductor terminal of the derived system or service, in accordance with NEC® requirements.

The Result

This "isolated ground" can be kept relatively free of electrical noise. This is achieved since the grounding network has less branches, fewer sources of noise, and is connected to the ground at a single point.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Decimal Equivalents Table

Decimal Equivalents Table

Inches	Inches	Millimeters	Inches	Inches	Millimeters
1/64	.015625	.3969	33/64	.515625	13.0969
1/32	.03125	.7938	17/32	.53125	13.4938
3/64	.046875	1.1906	35/64	.546875	13.8906
1/16	.0625	1.5875	9/16	.5625	14.2875
5/64	.078125	1.9844	37/64	.578125	14.6844
3/32	.09375	2.3813	19/32	.59375	15.0813
7/64	.109375	2.7781	39/64	.609375	15.4781
1/8	.1250	3.1750	5/8	.6250	15.8750
9/64	.140625	3.5719	41/64	.640625	16.2719
5/32	.15625	3.9688	21/32	.65625	16.6688
11/64	.171875	4.3656	43/64	.671875	17.0656
3/16	.1875	4.7625	11/16	.6875	17.4625
13/64	.203125	5.1594	45/64	.703125	17.8594
7/32	.21875	5.5563	23/32	.71875	18.2563
15/64	.234375	5.9531	47/64	.734375	18.6531
¼	.2500	6.3500	¾	.7500	19.0500
17/64	.265625	6.7469	49/64	.765625	19.4469
9/32	.28125	7.1438	25/32	.78125	19.8438
19/64	.296875	7.5406	51/64	.796875	20.2406
5/16	.3125	7.9375	13/16	.8125	20.6375
21/64	.328125	8.3344	53/64	.828125	21.0344
11/32	.34375	8.7313	27/32	.84375	21.4313
23/64	.359375	9.1281	55/64	.859375	21.8281
3/8	.3750	9.5250	7/8	.8750	22.2250
25/64	.390625	9.9219	57/64	.890625	22.6219
13/32	.40625	10.3188	29/32	.90625	23.0188
27/64	.421875	10.7156	59/64	.921875	23.4156
7/16	.4375	11.1125	15/16	.9375	23.8125
29/64	.453125	11.5094	61/64	.953125	24.2094
15/32	.46875	11.9063	31/32	.96875	24.6063
31/64	.484375	12.3031	63/64	.984375	25.0031
½	.5000	12.7000	1	1.0000	25.4000

Electrical Symbols and Abbreviations

General Outlets

Ceiling Wall

○ -○	Lighting Outlet
Ⓑ -Ⓑ	Blanked outlet
Ⓓ	Deep cord
Ⓔ -Ⓔ	Electrical outlet: for use only when circle used alone might be confused with columns, plumbing symbols, etc.
Ⓕ -Ⓕ	Fan outlet
Ⓙ -Ⓙ	Junction box
Ⓛ -Ⓛ	Lamp holder
$Ⓛ_{PS}$ -$Ⓛ_{PS}$	Lamp holder with pull switch
Ⓢ -Ⓢ	Pull switch
Ⓥ -Ⓥ	Outlet for vapor discharge lamp
Ⓧ -Ⓧ	Exit light outlet
Ⓒ -Ⓒ	Clock outlet (specify voltage)

Convenience Outlets

⊖	Duplex convenience outlet
$⊖_{1,3}$	Convenience outlet other than duplex 1-single, 3-triplex, etc.
$⊖_{WP}$	Weatherproof convenience outlet
$⊖_{R}$	Range outlet
$⊖_{S}$	Switch and convenience outlet
⊖R	Radio and convenience outlet
▲	Special purpose outlet (Des. in Spec.)
⊖	Floor outlet

Switch Outlets

S	Single pole switch
S_2	Double pole switch
S_3	Three way switch
S_4	Four way switch
S_D	Automatic door switch
S_E	Electrolier switch
S_K	Key operated switch
S_P	Switch and pilot lamp
S_{CB}	Circuit breaker switch
S_{WCB}	Weatherproof circuit breaker
S_{MC}	Momentary contact switch
S_{RC}	Remote control switch
S_{WP}	Weatherproof switch
S_F	Fused switch
S_{WF}	Weatherproof fused switch

Special Outlets

Any standard symbol as given above with the addition of a lower case subscript letter may be used to designate some special variation of standard equipment of particular interest in a specific set of architectural plans.

$○_{a,b,c,etc}$	When used they must be listed in the Key of Symbols on each drawing and if necessary further described in the specifications.
$⊖_{Sa,b,c,etc}^{a,b,c,etc}$	

Panels, Circuits and Miscellaneous

■	Lighting panel
▨	Power panel
——	Branch circuit; concealed in ceiling or wall
– – –	Branch circuit; concealed in floor
-----	Branch circuit; exposed
→→	Home run to panel board. Indicated number of circuits by number of arrows.

Note: Any circuit without further designation indicates a two-wire circuit. For a greater number of wires indicate as follows: /// (3 wires) //// (4 wires), etc.

▬	Feeders

Note: Use heavy lines and designate by number of corresponding to listing in feeder schedule.

⊏⊐	Underfloor duct and junction box. Triple system

Note: For double or single systems eliminate one or two lines. This symbol is equally adaptable to auxiliary system layouts.

Ⓖ	Generator
Ⓜ	Motor
Ⓘ	Instrument
Ⓣ	Power transformer (or draw to scale)
⊠	Controller
□	Isolating switch

Auxiliary Systems

•	Push Button	□/	Buzzer
□	Bell	◇	Annunciator
◀	Outside telephone		
◁	Interconnecting telephone		
◁◁	Telephone switchboard		
Ⓣ	Bell ringing transformer		
D	Electric door opener		
F	Fire alarm bell	F	Fire alarm station
⧗	City fire alarm station		
FA	Fire alarm central station		
FS	Automatic fire alarm device		
W	Watchman's station		
W	Watchman's central station		
H	Horn		
N	Nurse's signal plug	M	Maid's signal plug
R	Radio outlet		
SC	Signal central section		
□	Interconnection box	⫼	Battery
–·–·–	Auxiliary system circuits.		

Note: Any line without further designation indicates a 2-wire system. For a greater number of wires designate with numerals in manner similar to – · – 12-No. 18 W-3'4"C, or designate by number corresponding to listing in schedule.

□$_{a,b,c,}$ **Special auxiliary outlets**

Subscript letters refer to notes on plans or detailed description in specifications.

Diameter Ranges of Jacketed Cord and Wire Charts

Diameter Ranges of Jacketed Cord Chart - In Accordance with Standard UL62

Acceptable range in inches (mm) of the average overall diameter of round, jacketed heater cords and non-retractile vacuum cleaner and service cords.

Type of Cord	AWG Size	2 Conductor	3 Conductor	4 Conductor	5 Conductor
SV, SVE, SVEO, SVOO	18	.22"-.26" (5.6-6.6)	.23"-.27" (5.8-6.9)	—	—
SVO, SVT, SVTOO, SVTO	16	.25"-.28" (6.2-7.1)	.26"-.30" (6.6-7.5)	—	—
SJ, SJE, SJOO, SJO, SJEO,	18	.28"-.32" (7.1-8.1)	.30"-.34" (7.6-8.6)	.33"-.37" (8.4-9.4)	—
SJEOOSJT, SJTO, SJTOO,	16	.31"-.34" (7.9-8.6)	.33"-.36" (8.4-9.1)	.35"-.40" (8.9-10.2)	—
SJEW, SJOOW, SJOW,	14	.34"-.38" (8.6-9.7)	.36"-.40" (9.1-10.2)	.39"-.44" (9.9-11.2)	—
SJEOW, SJEOOW, SJTW,	12	.41"-.46" (10.4-11.7)	.43"-.48" (10.9-12.2)	.47"-.52" (11.9-13.2)	—
SJTOW, SJTOOW	10	.54"-.61" (13.7-15.5)	.57"-.64" (14.5-16.3)	.63"-.70" (16.0-17.8)	—
S, SE, SOO, SEO, SEOO, ST	18	.34"-.39" (8.6-9.9)	.36"-.40" (9.1-10.2)	.39"-.43" (9.9-10.9)	.46"-.51" (11.7-13.0
STOO, STO, SEW, SOOW,	16	.37"-.41" (9.4-10.4)	.39"-.43" (9.9-10.9)	.41"-.46" (10.4-11.7)	.49"-.55" (12.4-14.0
SOW, SEOW, SEOOW, STW,	14	.50"-.55" (12.7-14.0)	.52"-.58" (13.2-14.7)	.56"-.62" (14.2-15.7)	.63"-.71" (16.0-18.0
STOOW, STOW	12	.57"-.63" (14.5-16.0)	.59"-.66" (15.0-16.8)	.64"-.71" (16.3-18.0)	.70"-.77" (17.8-19.6)
	10	.62"-.69" (15.7-17.5)	.65"-.72" (16.5-18.3)	.70"-.78" (17.8-19.8)	.76"-.84" (19.3-21.3)
	8	.78"-.88" (19.8-22.4)	.83"-.93" (21.1-23.6)	.93"-1.05" (23.6-26.7)	1.00"-1.15" (25.4-29.2)
	6	.92"-1.05" (23.4-26.7)	.97"-1.10" (24.6-27.9)	1.05"-1.20" (26.7-30.5)	1.18"-1.33" (30.0-33.8)
	4	1.06"-1.21" (26.9-30.7)	1.13"-1.28" (28.7-32.5)	1.25"-1.45" (31.8-36.8)	—
	2	1.21"-1.40" (30.7-35.6)	1.30"-1.50" (33.0-38.1)	1.45"-1.65" (36.8-41.9)	—

Nominal Diameters of Round Portable Power Cable - In Accordance with Standard CSA-C22.2 No. 96

Type of Cord	AWG Size	2 Conductor	3 Conductor	4 Conductor	5 Conductor
W, G, G-GC, G-BGC, PPC	6	0.945" (24.0)	0.984" (25.0)	1.102" (28.0)	1.220" (31.0)
	4	1.063" (27.0)	1.142" (29.0)	1.260" (32.0)	1.417" (36.0)
	3	1.181" (30.0)	1.220" (31.0)	1.339" (34.0)	1.496" (38.0)
	2	1.260" (32.0)	1.339" (34.0)	1.496" (38.0)	1.614" (41.0)
	1	1.339" (34.0)	1.496" (38.0)	1.654" (42.0)	1.890" (48.0)
	1/0	1.417" (36.0)	1.614" (41.0)	1.772" (45.0)	1.929" (49.0)
	2/0	1.535" (39.0)	1.732" (44.0)	1.929" (49.0)	2.047" (52.0)
	3/0	1.654" (42.0)	1.890" (48.0)	2.047" (52.0)	2.244" (57.0)
	4/0	1.772" (45.0)	2.008" (51.0)	2.244" (57.0)	2.441" (62.0)

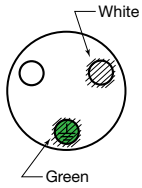
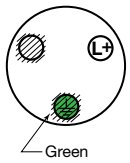
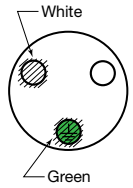
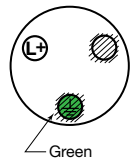
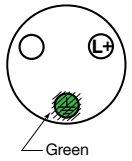
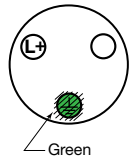
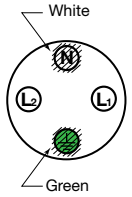
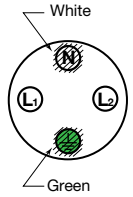
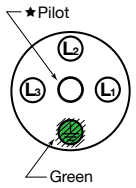
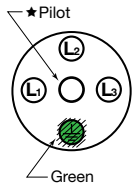
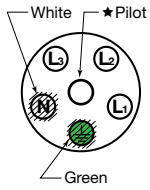
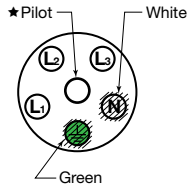
Wire Types Approximate Diameter in Inches (mm)*

Size (AWG or kcmil)	THHN, THWN, THWN-2 Inches (mm)	TW, THHW, THW, THW-2 Inches (mm)	XHHW, ZW, XHHW-2, XHH Inches (mm)
12	0.130 (3.302)	0.152 (3.861)	0.152 (3.861)
10	0.164 (4.166)	0.176 (4.470)	0.176 (4.470)
8	0.216 (5.486)	0.236 (5.994)	0.236 (5.994)
6	0.254 (6.452)	0.304 (7.722)	0.274 (6.960)
4	0.324 (8.230)	0.352 (8.941)	0.322 (8.179)
3	0.352 (8.941)	0.380 (9.652)	0.350 (8.890)
2	0.384 (9.754)	0.412 (10.46)	0.382 (9.703)
1	0.446 (11.23)	0.492 (12.50	0.442 (11.23)
1/0	0.486 (12.34)	0.532 (13.51)	0.482 (12.34)
2/0	0.532 (13.51)	0.578 (14.68)	0.528 (13.41)
3/0	0.584 (14.83)	0.630 (16.00)	0.580 (14.73)
4/0	0.642 (16.31)	0.688 (17.48)	0.638 (16.21)
250	0.711 (18.06)	0.765 (19.43)	0.705 (17.91)
300	0.766 (19.46)	0.820 (20.83)	0.760 (19.30)
350	0.817 (20.75)	0.871 (22.12)	0.811 (26.60)
400	0.864 (21.95)	0.918 (23.32)	0.858 (21.79)
500	0.949 (24.10)	1.003 (25.48)	0.943 (23.95)
600	1.051 (26.70)	1.113 (28.27)	1.053 (26.75)
700	1.122 (28.50)	1.184 (30.07)	1.124 (25.55)
750	1.156 (29.36)	1.218 (30.94)	1.158 (29.41)
800	1.188 (30.18)	1.250 (31.75)	1.190 (30.23)
900	1.252 (31.80)	1.314 (33.38)	1.254 (31.85)
1000	1.310 (33.27)	1.372 (34.85)	1.312 (33.32)

*Note: *Information Sourced from the National Electrical Code.*

IEC Pin and Sleeve Terminal Identification

IEC Pin and Sleeve Terminal Identification – Rear View

Description	Rating		Terminal Marking Pattern*			
			Receptacle and Connector		Plug and Inlet	
	Domestic	International	Domestic	International	Domestic	International
3 Wire	125V AC 277V AC	100-130V				
3 Wire	250V AC 480V AC 600V AC	200-250V 380-415V AC				
4 Wire	125/250V AC 1ØY 120/208V	—				
4 Wire	(3Ø Δ) 250V AC 480V AC 600V AC	380-415V AC				
5 Wire	(3ØY) 120/208V AC 277/480V AC 347/600V AC	220/380V 50Hz 250/440V 60Hz 200/346V to 240/415V 50 and 60Hz				

*Note: *Location of grounding contact position will change as clock positions assigned to specific voltages change.*
★Pilot contacts supplied on 4 and 5 wire, 63 and 125 Amp international rated devices.

Horsepower Ratings for Hubbell IEC Pin and Sleeve Devices*

Single Phase

Amps	Wire Count	Voltage	Clock	Catalog Number	New HP Rating
20	3	125V	4	HBL320x4W	1
20	3	250V	6	HBL320x6W	2
20	3	480V	7	HBL320x7W	5
20	4	125/250 (208L-L)	12	HBL420x12W	2
20	4	125/250 (250L-L)	12	HBL420x12W	2
20	4	125/250 (125L-N)	12	HBL420x12W	1
30	3	125V	4	HBL330x4W	2
30	3	250V	6	HBL330x6W	3
30	3	480V	7	HBL330x7W	7.5
30	3	550VDC	8	HBL330X8	N/A
30	4	125/250 (208L-L)	12	HBL430x12W	3
30	4	125/250 (250L-L)	12	HBL430x12W	3
30	4	125/250 (125L-N)	12	HBL430x12W	2
60	3	125V	4	HBL360x4W	2
60	3	250V	6	HBL360x6W	3
60	3	480V	7	HBL360x7W	7.5
60	3	250VDC	3	HBL360x3W	N/A
60	3	550VDC	8	HBL360x8W	N/A
60	4	125/250 (208L-L)	12	HBL460x12W	3
60	4	125/250 (250L-L)	12	HBL460x12W	3
60	4	125/250 (125L-N)	12	HBL460x12W	2
100	3	125V	4	HBL3100x4W	5
100	3	250V	6	HBL3100x6W	15
100	3	480V	7	HBL3100x7W	30
100	3	250VDC	3	HBL3100x3W	N/A
100	3	550VDC	8	HBL3100x8W	N/A
100	4	125/250 (208L-L)	12	HBL4100x12W	10
100	4	125/250 (250L-L)	12	HBL4100x12W	15
100	4	125/250 (125L-N)	12	HBL4100x12W	5

3-Phase

Amps	Wire Count	Voltage	Clock	Catalog Number	Present HP Rating	New HP Rating
20	4	3Ø 250V	9	HBL420x9W	2	5
20	4	3Ø 480V	7	HBL420x7W	5	10
20	4	3Ø 600V	5	HBL420x5W	7.5	10
20	4	3Ø 380-415V	6	HBL420x6W	-	7.5
20	5	3ØY 120/208V	9	HBL520x9W	0.5	3
20	5	3ØY 277/480V	7	HBL520x7W	5	10
20	5	3ØY 347/600V	5	HBL520x5W	7.5	10
20	5	3Ø 240/415V	6	HBL520x6W	-	5
30	4	3Ø 250V	9	HBL430x9W	3	7.5
30	4	3Ø 480V	7	HBL430x7W	7.5	15
30	4	3Ø 600V	5	HBL430x5W	10	20
30	5	3ØY 120/208V	9	HBL530x9W	2	5
30	5	3ØY 277/480V	7	HBL530x7W	7.5	15
30	5	3ØY 347/600V	5	HBL530x5W	10	20
30	4	3Ø 380/415V	6	HBL430x6W	-	10
30	5	3Ø 200/346-240/415	6	HBL530x6W	-	10
60	4	3Ø 250V	9	HBL460x9W	5	7.5
60	4	3Ø 480V	7	HBL460x7W	10	20
60	4	3Ø 600V	5	HBL460x5W	15	25
60	4	3Ø 380-415VAC	6	HBL460x6W	-	10
60	5	3ØY 120/208V	9	HBL560x9W	3	7.5
60	5	3ØY 277/480V	7	HBL560x7W	10	20
60	5	3ØY 347/600V	5	HBL560x5W	15	25
60	5	3Ø 200/346-240/415	6	HBL560x6W	-	10
100	4	3Ø 250V	9	HBL4100x9W	10	15
100	4	3Ø 480V	7	HBL4100x7W	30	40
100	4	3Ø 600V	5	HBL4100x5W	30	50
100	4	3Ø 380-415V	6	HBL4100x6W	-	30
100	5	3ØY 200/346-240/415V	6	HBL5100x6W	-	30
100	5	400VDC	8	HBL5100x8W		N/A
100	5	3ØY 120/208V	9	HBL5100x9W	10	15
100	5	3ØY 277/480V	7	HBL5100x7W	30	40
100	5	3ØY 347/600V	5	HBL5100x5W	30	50

*Note: *Horsepower Ratings are NOT standardized amongst different Pin and Sleeve manufacturers.*

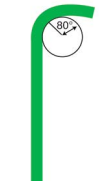
Network Cabling Requirements

Supported Media - International

Designation	ANSI/TIA-568-C	ISO/IEC 11801 Amend 2: 2010	CENELEC EN-50173-1: 2002
Category 3 (16 MHz)	Supported	Supported: Class C	Supported: Class C
Category 5e (100 MHz)	Supported	Supported: Class D	Supported: Class D
Category 6 (250 MHz)	Supported	Supported: Class E	Supported: Class E
Category 6A (500 MHz)	Supported	Supported: Class EA	Supported: Class EA
Category 7 (600 MHz)	Not Recognized	Supported: Class F	Supported: Class F
Category 7A (1,000 MHz)	Not Recognized	Supported: Class FA*	Supported: Class FA*
Category 8 (2,000 MHz)	Not Recognized	Supported: Class FA*	Supported: Class FA*
50/125 - 62.5/125 Multimode	Supported	Supported	Supported
Singlemode Fiber	Supported	Supported	Supported
Singlemode Fiber to the Work Area	Not Supported	Supported	Supported
Work Area Outlet Configuration	4 Pairs T568A or B	4 Pairs T568A Only	4 Pairs T568A Only
Stranded Patch Cord Attenuation	120% of Horiz. Cable	150% of Horiz. Cable	150% of Horiz. Cable

*Note: *Category 8 proposed in TIA 568-C.2-1 for 40 GBASE-T. ISO/IEC and cenelec to be determined. ISO/IEC and cenelec considering expanding Class FA frequency in addition to a considering new Class.*

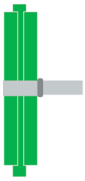
- Strip back only as much cable jacket as is required for termination and maintain pair twists as close as possible to the point of mechanical termination
- At a minimum, never allow untwisting of pairs as specified: Category 5e and 6/6A: 0.5 inch max.



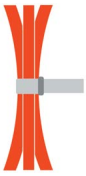
Maintain a minimum bend radius of 4x the cable diameter (4-pair cables)



Never exceed a 90 degree bend



Apply cable ties loosely and at random intervals



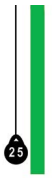
Don't over-tighten cable ties



Try to minimize the amount of jacket twisting



Don't over-twist cable, it can lead to torn jackets



Avoid stretching the cable



Don't exceed 25 lbs. of pulling tension

Use appropriate methods for dressing and securing cables:
- Cable ties
- Cable support bar
- Wire management panels
- Releasable straps

Don't use a staple gun to position cable

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