

Power Tools & Machine Tools

General Catalog



CONTENTS

Product Line

Boring	ATRA ACE ----- 5
---------------	------------------

Punching	SELFER ----- 17
	PUMP ----- 17
	HANDY SELFER ----- 19

Chamfering	BEVELER ----- 25
-------------------	------------------

Scaling	AIR CHIPPER ----- 30
	AUTO CHISEL ----- 31
	SUPER KELEN ----- 32
	JET CHISEL ----- 33

Grinding & Sanding	MYTON ----- 35
	BELTON ----- 37
	COMPACT MULTI SANDER -- 41

Grinding & Sanding	FREE SANDER ----- 42
	LINE SANDER ----- 42
	ORBITAL SANDER ----- 43
	PALM ORBITAL SANDER ----- 43
	AIR SONIC ----- 44

Filing	SUPER HAND ----- 45
	MICRO AIR HAND ----- 46

Deburring	BURR CUTTER ----- 46
------------------	----------------------

Cutting	SUPER SAW ----- 47
----------------	--------------------

Drilling	AIR DRILL ----- 47
-----------------	--------------------

Suspending	SPRING BALANCER ----- 48
-------------------	--------------------------

Consumables

Annular Cutters	BROACH CUTTERS & BROACH HOLDERS ----- 15
------------------------	---

Punches & Dies	PUNCHES & DIES FOR SELFER ----- 20
---------------------------	---------------------------------------

Indexable Inserts	INDEXABLE INSERTS FOR BEVELER ----- 29
--------------------------	---

Needles	NEEDLES FOR JET CHISEL ---- 34
----------------	--------------------------------

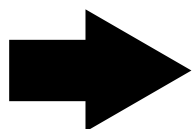
Grinding & Sanding Discs	GRINDING & SANDING DISCS FOR MYTON ----- 36
-------------------------------------	--

Abrasive Belts	ABRASIVE BELTS FOR BELTON ----- 38,40
-----------------------	--

Green Procurement

Nitto Kohki has made every effort in developing "Environmental Improvement Plans" through the implementation of ISO14001, to execute environmentally conscious business activities on a company-wide basis. As a part of our ongoing commitment to the environment, we are also committed to reduce and/or exclude restricted chemical substances from our products as designated by RoHS directives, laws and regulations of chemical substances.

Check out our video gallery to see our products at work.



You can also view this
on your smartphone or tablet.

www.youtube.com/c/NittoKohkiGLOBAL

High-End Features of ATRA ACE Drilling Machines

High-End Features of ATRA ACE Drilling Machines Enhance Your Productivity and Safety

Ref. No.	Features	QA-4000	QA-6500	WA-3500	WA-5000	WOJ-3200	AO-5575A	LO-3550	ARA-100A
1	Auto-feed	●	●	●	●	—	—	—	—
2	Slow Start Mechanism	●	●	●	●	—	—	—	—
3	Step Feed	●	●	—	—	—	—	—	—
4	Variable Automatic Feed	●	●	●	●	—	—	—	—
5	Load Sensor	●	●	●	●	—	—	—	—
6	Magnet Open-circuit Sensor	●	●	●	●	●	●	●	●
7	Fail-safe Restart	●	●	●	●	●	●	●	●
8	Built-in Motion Sensor	●	●	●	●	—	●	—	●
9	Overload Stop	●	●	●	●	●	●	●	●
10	Cycle Stop	●	●	●	●	—	—	—	—
11	Unique Battery Conservation	—	—	—	—	—	—	—	—
12	One-touch Cutter Replacement	●	●	●	●	●	●	●	●

1. Automatic control & feed are activated by simply pushing the feed handle to engage the clutch.

2. The feed speed is reduced for the first few seconds after boring begins to ensure a smooth cut through the mill scale.

3. When the cutter has become dull or it cuts through difficult materials, the load sensor will automatically activate the Step Feed Program to help penetrate material. When working on deep holes or large diameter holes, the Step Program will also help to reduce swarf build up around the cutter as the waste material will break off with each Step cycle.

4. The feed speed is continuously monitored and updated proportionally to the load on the cutter.

5. **QA-4000/QA-6500:** The sensing system responds to drilling forces on the cutter for the optimum cutting condition.

WA-3500/WA-5000: The dual sensing system responds to both drilling and feeding forces on the cutter for the optimum cutting condition.

6. The drill will not start until the magnetic field is active.

7. The drill will not re-start even if power is re-supplied after accidental shutdown. Drilling can only be continued after turning on the drill switch.

8. **QA-4000/QA-6500/WA-3500/WA-5000:** If any lateral movement or excess vibration is detected, both the drill and the feed motor stop.

AO-5575A/ARA-100A: If any lateral movement or excess vibration is detected, the drill motor stops.

9. **QA-4000/QA-6500/WA-3500/WA-5000:** When an excessive load is applied to the cutter, both the drill and the feed motor will stop automatically.

WOJ-3200/AO-5575A/LO-3550/ARA-100A: When an excessive load is applied to the cutter, the drill motor will stop automatically.

10. **QA-4000/QA-6500:** After the cut has finished, a detector responds to the reduction in load, the drill retracts quickly and then both the drill and feed motor automatically stop.

WA-3500/WA-5000: After the cut has finished, a detector responds to the reduction in load and both the drill and the feed motor automatically stop.

11. While the drill motor is running, if no load is applied within 10 seconds, the drill will stop automatically to save the battery.

12. Replacement is quick and easy with our unique push fit self-centering cutter system.

ARA-100A: Optional one-touch type Holder required.

Scan here to see comparison video.
ATRA ACE Auto vs Manual



YouTube

ATRA ACE Specifications



LO-3550



WA-3500



WA-5000

Specifications

Model		LO-3550	WA-3500		WA-5000				
Electric Drill	Power Source (Single Phase)	220 - 240 V AC, 50/60 Hz	110 - 120 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz	110 - 120 V AC, 50/60 Hz		220 - 240 V AC, 50/60 Hz		
	Rated Power Consumption W	800	1100		1150				
	Rated Current A	3.3	10.2	5.1	10.8		5.4		
	No-load Speed min ⁻¹ (rpm)	950	950		350 / 650				
Magnet Power Consumption W		35	34		75				
Hole Capacity	Max. Hole Diameter mm	35	35		50				
	Max. Plate Thickness mm	50	50		75				
	One-touch Type JETBROACH	Hole Diameter mm	12 to 35	17.5 to 35		12 to 17	17.5 to 40	12 to 50	17.5 to 50
		Plate Thickness mm	6 to 50	9 to 50		9 to 25	9 to 35	9 to 50	9 to 75
	Side-lock Type JETBROACH	Hole Diameter mm	—	—		—			
		Plate Thickness mm	—	—		—			
	One-touch Type HI-BROACH	Hole Diameter mm	—	14 to 35		14 to 50			
		Plate Thickness mm	—	9 to 25		9 to 50			
	Twist Drill	Hole Diameter mm	—	—		—			
Max. Stroke mm		80	83		107				
Magnet Holding Power N(kgf)		5500 (561)	7056 (720)		9800 (1000)				
Magnet Dimensions mm		65 x 145	92 x 213		101 x 201				
Overall dimensions * (length) x (width) x (height) mm		339 x 112 x 316	409 x 237 x 530		425 x 237 x 604				
Power Cord Length m		3	3		3				
Mass (Weight) kg		8.7	20		23				
Feeding		Manual	Automatic		Automatic				
Page		7	9		9				

*The height is the dimension from the surface of the workpiece to the highest part of the machine when the tip of the Pilot Pin is touching the workpiece with the cutter of the machine's maximum capacity attached.

ATRA ACE Specifications

Scan here to see comparison video.
ATRA ACE Auto vs Manual



	WOJ-3200		AO-5575A		QA-4000		QA-6500	ARA-100A
	110 - 120 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz		110 - 120 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz
	950		950		680		1010	1800
	8.6	4.3	4.3		6.1	3.0	4.5	8.2
	870		520		750		400/750	110 - 210 /330 - 660
	38	30	50		50		75	80
	32		55		40		65	100
	50		75		35		50	75
	12 to 32		12 to 17	17.5 to 55	17.5 to 40		17.5 to 65	17.5 to 50
	9 to 50		9 to 50	9 to 75	9 to 35		9 to 50	13 to 75
	-		-		-		-	50 to 100
	-		-		-		-	13 to 75
	-		12 to 50		14 to 15	16 to 18	18 to 35	17.5 to 35
	-		9 to 50		9 to 12	9 to 25	9 to 25	13 to 50
	Max. 13		-		-		-	Max. 32
	130		105		75		88	296
	9000 (918)		10000 (1020)		6664 (680)		9800 (1000)	17000 (1733)
	99 x 177		86 x 170		82 x 172		100 x 200	110 x 220
	318 x 196 x 420		432 x 197 x 493		407 x 215 x 424		455 x 215 x 534	570 x 274 x 623
	3		3		4	5	5	5
	13		17.5		18.5		26	30
	Manual		Manual		Automatic		Automatic	Manual
	11		11		13		13	5

Portable Magnetic Base Drilling Machine

ATRA ACE manual feed

Model **ARA-100A** 

• Max. 100 mm dia. x 75 mm deep



 YouTube



The versatile drilling machine with top-class power in ATRA ACE series

- Accepts various cutters for diverse drilling
- Advanced electronic control for efficient drilling and operator safety

Specifications

Model		ARA-100A	
Power Source (Single Phase)		220 - 240 V AC, 50/60 Hz	
Electric Drill	Rated Power Consumption	W	1800
	Rated Current	A	8.2
	No-load Speed	min ⁻¹ (rpm)	110 - 210 / 330 - 660
	Morse Taper No.		MT3
	Rated Duty	min	30
Magnet Power Consumption		W	80
Hole Capacity mm	Cutter	Hole Diameter	Plate Thickness
	One-touch Type JETBROACH 35L	17.5 to 40	13 to 35
	One-touch Type JETBROACH 50L	17.5 to 50	13 to 50
	One-touch Type JETBROACH 75L	17.5 to 50	13 to 75
	JETBROACH 75L	50 to 100	13 to 75
	One-touch Type HI-BROACH 25L	17.5 to 35	13 to 25
	One-touch Type HI-BROACH 50L	18 to 35	13 to 50
Twist Drill		Max. 32 mm dia.	
Min. Plate Thickness for Magnet Adhesion		mm	13
Max. Stroke		mm	296
Magnet Holding Power		N(kgf)	17000 (1733)
Magnet Dimensions		mm	110 (W) x 220 (L)
Cutter Position	Straight Front to Back	mm	20
Adjustment	Swivel angle		30°
Power Cord Length		m	5
Mass (Weight)		kg	30

Accessories Included

- Pilot Pin 12075 Ass'y
- Side Handle
- 2.5 mm Hex. Socket Screw Key
- 5 mm Hex. Socket Screw Key
- 6 mm Hex. Socket Screw Key
- 8 mm Hex. Socket Screw Key
- Drill Drift
- 7 x 8 mm Spanner
- Safety Chain
- Guard
- Oil Tank
- Oil Tank Bracket
- 3 pieces of Rod Handle
- Holder MT03075 Side Lock

Optional Accessories

Ref. No.	PN	Description	Sales Unit
1	TB01507	Cutting Oil 2L	1 piece
2	TB04374	Supporting Magnet Ass'y	1 set
3	TB09727	Holder MT03075 One-touch	1 piece

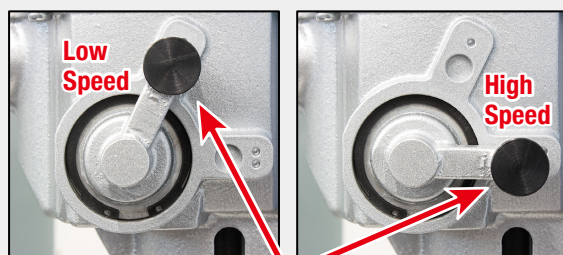
Slow Starting Function

Slow speed at the beginning of boring will securely set a hole cutting position.

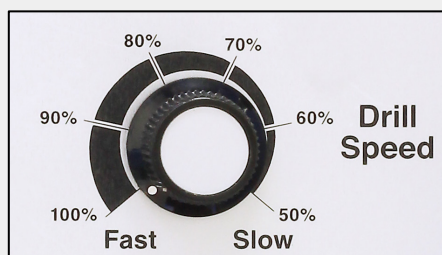


Two speed electric drill with speed adjustment

Optimum drill speed adjustment can be made to bore a hole on difficult-to-cut materials or to securely set a hole cutting position at initial cutting stage.



Shift Lever



1

2

3



Load Indication and LED Condition

Load Indication

The load indicator (LED) indicates the condition of the load with different color of LED light.

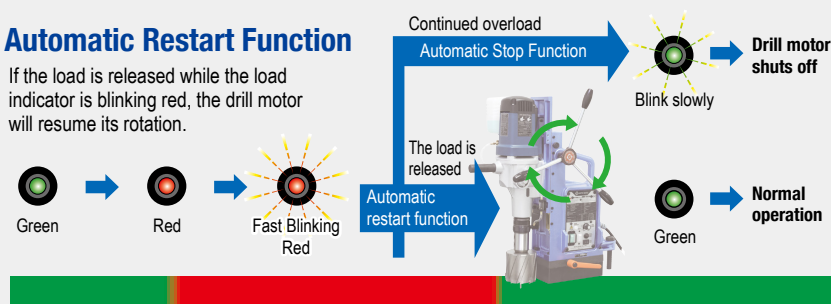
- The LED lights up in green. → The load on the drill motor is normal.
- The LED lights up in red. → The load on the drill motor is close to overload.
- The LED blinks in red. → The drill motor is overloaded.

Automatic Stop Function

As the drilling load increases, the load indicator will change in color from green to red. In addition, if excessive feeding force is applied, the load indicator will rapidly blink red and the rotation of the drill motor will slow down and stop. After the drill motor has come to a complete stop, the load indicator will slowly blink in green. To resume the rotation of the drill motor release the load and turn off the switch of the drill motor, and then turn it on.

Automatic Restart Function

If the load is released while the load indicator is blinking red, the drill motor will resume its rotation.



Built-in Motion Sensor

If any lateral movement or excess vibration is detected during drilling a hole, the drill motor stop instantly and the LED blink red. To resume operation, turn the magnet switch off and on.



Fail-safe Restart

The magnetic field will become active, but the drill will not re-start even if power is re-supplied after accidental shutdown. The LED will blink green at this stage. Drilling can only be continued after turning on the drill switch.

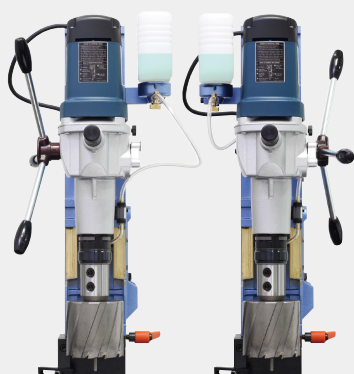
Magnet Open-circuit Sensor

The drill will not start until the magnetic field is active. If malfunction occurs on the magnet, the LED will blink red slowly and the drill motor will not revolve.



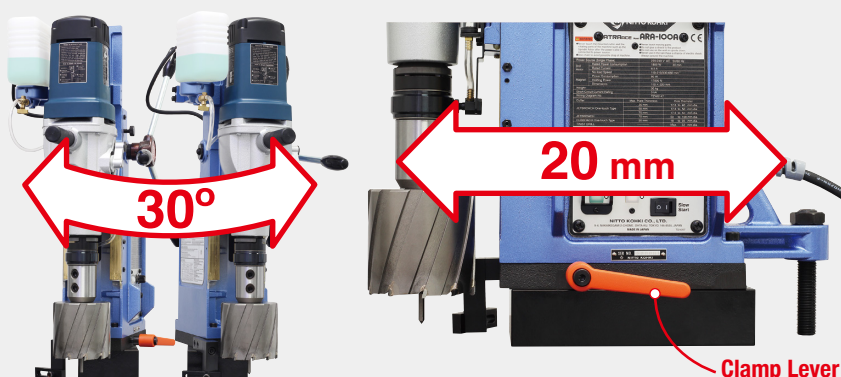
Features

Reversible Feed Handles



Feed handles can be positioned on the right or left hand side for ease of drilling. When changing the feed handle position, oil tank is required to be positioned opposite to the feed handles.

Drilling Position Adjustment



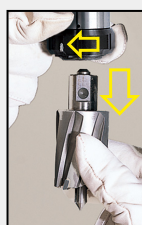
When the clamp lever is loosened, the drill position can be adjusted back and forth by 20 mm and pivoted 15 degrees to the left or right. The clamp lever can be positioned for left hand or right hand operation.

One-Touch Cutter Replacement (Holder MT03075 One-Touch)



Mounting the cutter

Align the depression in the cutter shank with the white line on the sleeve, and then insert the cutter.



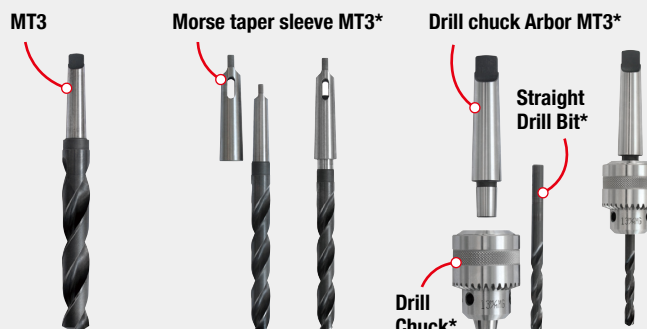
Removing the cutter

Turn the sleeve counterclockwise. The cutter will come off.



Available on the market

Twist Drill Bit



MT3 Morse taper shank drill bit can be directly installed.

Use Morse taper sleeve MT3 for other sizes than MT3

A drill chuck is required to install a straight drill bit.

*Available on the market

Portable Magnetic Base Drilling Machine

ATRA ACE manual feed

Model **LO-3550** 

• Max. 35 mm dia. x 50 mm deep



 YouTube



Compact, light weight, low profile design gives you greater hole making mobility

- Drilling on 100 mm or more width web and flange of wide flange beam
- Designed to improve drilling on walls, confined and elevated locations
- Drill position can be adjusted up to 10 mm travel on each axis straight front to back and pivot side to side

Specifications

Model			LO-3550	
Power Source (Single Phase)			220 - 240 V AC, 50/60 Hz	
Electric	Rated Power Consumption	W	800	
Drill	Rated Current	A	3.3	
	No-load Speed	min ⁻¹ (rpm)	950	
Hole	Cutter		Hole Diameter	Plate Thickness
Capacity mm	One-touch Type JETBROACH 25L		12 to 17	6 to 25
	One-touch Type JETBROACH 35L		17.5 to 35	6 to 35
	One-touch Type JETBROACH 50L		12 to 35	6 to 50
Min. Plate Thickness for Magnet Adhesion		mm	6	
Magnet Holding Power		N(kgf)	5500 (561)	
Magnet Dimensions		mm	65 (W) x 145 (L)	
Cutter Position	Pivot Side to Side	mm	10	
Adjustment	Straight Front to Back		10	
Power Cord Length		m	3	
Mass (Weight)		kg	8.7*	

*Excluding Power Cord and Sub Handle

Accessories Included

- Carry Case
- Cutting Oil 0.5L
- Feed Handle
- Sub Handle
- Pilot Pin 08035
- Spanner 17
- Blade
- Hex. Socket Bolt 5 x 12
- Hex. Socket Head Set Screw 8 x 28
- 4 mm Hex. Socket Screw Key
- 5 mm Hex. Socket Screw Key
- Spanner 7 x 8
- Guard
- Safety Strap

Optional Accessories

Ref. No.	PN	Description	Sales Unit
1	TB01507	Cutting Oil 2L	1 piece
2	TQ10581	Oiler No. 3013	
3	TB01098	Tube 4 x 7 x 3000 Ass'y	1 set
4	TB07306	Lubrication Adapter Ass'y	
5	TB04374	Supporting Magnet Ass'y	
6	TB07696	Pipe Attachment Ass'y	
7	TB11527	Guard	1 piece
*50L for stacked plates		One-touch Type JETBROACH 25L, 35L, 50L	

Chip Breaker



This chip breaker prevents the cutter from becoming jammed with metal shavings.



Easy Drilling Position Adjustment

After engaging the magnet, the drill position can be adjusted up to 10 mm travel on each axis straight front to back and pivot side to side.



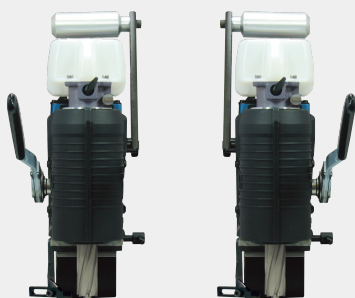
Light Handle Operation

Fast revolution of Jetbroach cutter makes less cutting resistance and smooth handling.



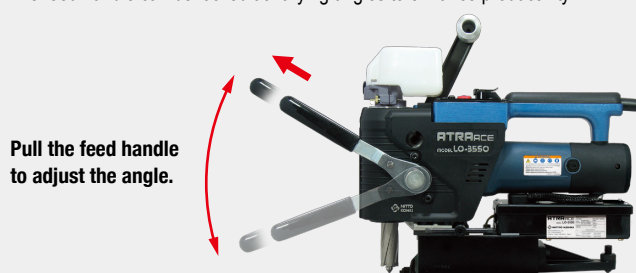
Reversible Feed Handle

The feed handle can be positioned on the right or left hand side for ease of drilling and mounting in confined spaces.



Adjustable Feed Handle

The feed handle can be locked at varying angles to enhance productivity.

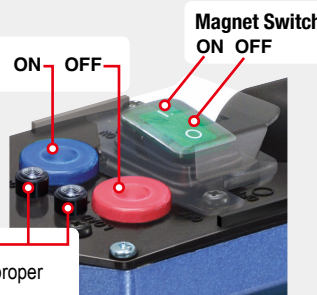


Easy-to-use Switch Panel

On / off buttons of the magnet and the drill motor are on the front panel and can be operated by one hand. Drilling conditions can be checked by lamp colors.

Motor Switch

The motor switch can be activated after the magnet switch is turned on.



LED Load Indicator

The LED load display allows proper cutting pressure adjustments.

A Carrying Case Is Provided

The carrying case is a rugged accessory that provides a convenient way to transport and store the LO-3550.



Optional Accessories for ATRA ACE

Pipe Attachment Ass'y

The Pipe Attachment Ass'y is an optional base to securely fasten ATRA ACE on pipes for drilling. The chain can easily and securely fit around pipes having an outside diameter of 48.6 to 318.5 mm.

Example of installation on a pipe



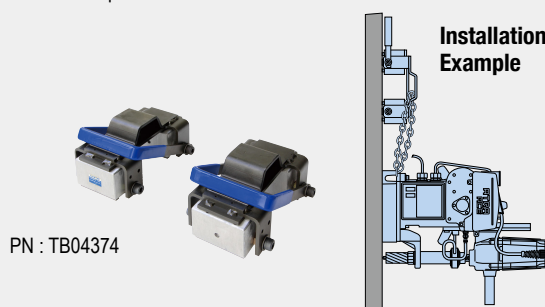
Applicable Pipe Size:
48.6 to 318.5 mm

PN : TB07696

Applicable Models when a 35 mm or 50 mm length one touch type JETBROACH CUTTER is used:
WOJ-3200, LO-3550, WA-3500, and QA-4000

Supporting Magnet Ass'y

If the accessory safety strap or chain is unable to be properly secured to prevent ATRA ACE from falling off the workpiece, the Supporting Magnet Ass'y is recommended. It employs a permanent magnet and can secure ATRA ACE even if power is interrupted.



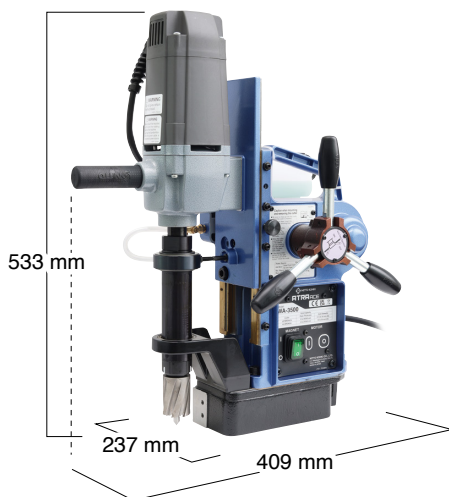
PN : TB04374

Applicable Models:
LO-3550, WA-3500, W0J-3200, AO-5575A, QA-4000, and QA-6500

ATRA ACE auto

Model **WA-3500** 

• Max. 35 mm dia. x 50 mm deep



High-performance feed system & high-tech components

• Drilling time and cutting performance are enhanced by the automatic feed function.

Model **WA-5000** 

• Max. 50 mm dia. x 75 mm deep



 YouTube



Specifications

Model		WA-3500		WA-5000	
Power Source (Single Phase)		110 - 120 V AC, 50/60 HZ	220 - 240 V AC, 50/60 Hz	110 - 120 V AC, 50/60 HZ	220 - 240 V AC, 50/60 Hz
Electric Drill	Rated Power Consumption	W		1100	
	Rated Current	A		10.2	
	No-load Speed	min ⁻¹ (rpm)		950	
Magnet Power Consumption		W		34	
Capacity mm	Cutter	Hole Diameter		Plate Thickness	
	One-touch Type JETBROACH 25L	-		12 to 17	
	One-touch Type JETBROACH 35L	17.5 to 35		9 to 25	
	One-touch Type JETBROACH 50L	17.5 to 35		9 to 35	
	One-touch Type JETBROACH 75L	-		9 to 50	
	One-touch Type HI-BROACH 25L	14 to 35		17.5 to 50	
	One-touch Type HI-BROACH 50L	-		9 to 75	
Min. Plate Thickness for Magnet Adhesion		mm		9	
Max. Stroke		mm		83	
Magnet Holding Power		N(kgf)		7056 (720)	
Magnet Dimensions		mm		92 (W) x 213 (L)	
Power Cord Length		m		101 (W) x 201 (L)	
Mass (Weight)		kg		3	
Accessories Included		20		23	
		• Carry Case • Cutting Oil 0.5L • Pilot Pin 08035 • Side Handle		• 3 mm Hex. Socket Screw Key • 8 x 10 mm Spanner • Guard • Chain	
		• 3 mm Hex. Socket Screw Key • 4 mm Hex. Socket Screw Key • 8 x 10 mm Spanner • Guard • Chain • Chip Breaker			

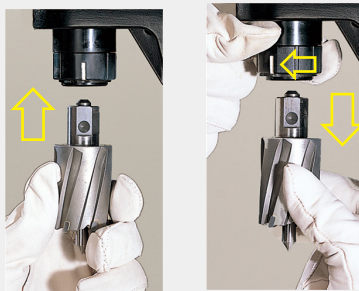
Optional Accessories

Ref. No.	PN	Description	Sales Unit	Applicable Model	
				WA-3500	WA-5000
1	TB05186	Chip Breaker Ass'y	1 set	●	●
2	TB01507	Cutting Oil 2L	1 piece	●	●
3	TB04374	Supporting Magnet Ass'y	1 set	●	●
4	TB02536	Sleeve 6.5 for Triangle Shank Drill Bit	1 piece	●	●
5	TB07696	Pipe Attachment Ass'y	1 set	●	●
		One-touch Type JETBROACH 25L	1 piece	●	●
		One-touch Type JETBROACH 35L	1 piece	●	●
		One-touch Type JETBROACH 50L	1 piece	●	●
		One-touch Type JETBROACH 75L	1 piece	●	●
		One-touch Type HI-BROACH 25L	1 piece	●	●
		One-touch Type HI-BROACH 50L	1 piece	●	●



One-touch Cutter Replacement

Replacement is quick and easy with our unique push fit self-centering cutter system.



Mounting the cutter

Removing the cutter

Coolant into the Heart of the Cut

Coolant is fed directly to the inside of the cut. The coolant system also features an auto shut-off.



Improved Bearing Bracket

Our precision bearing bracket aligns cutters precisely, which increases cutter life.



Fail-Safe Protection

Built-in Motion Sensor

If any lateral movement or excess vibration is detected, both the drill and the feed motor stop. Nitto Kohki is the first company to incorporate this feature into magnetic base drills.

Fail-safe Restart

The drill will not re-start even if power is re-supplied after accidental shutdown. Drilling can only be continued after turning on the drill switch.

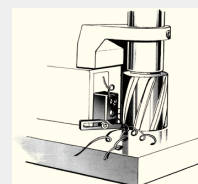
Magnet Open-circuit Sensor

The drill will not start until the magnetic field is active.

Chip Breaker

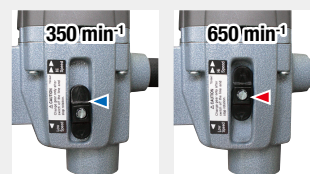
This chip breaker prevents the cutter from becoming jammed with metal shavings.

- Standard accessory for the WA-5000
- Optional accessory for the WA-3500



Two Speed Selection (WA-5000)

Speed can be changed to suit the type and size of the cutter.



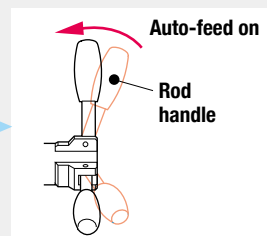
New drill control prevents cutters from breaking

Slow Start Mechanism

The feed speed is reduced for the first few seconds after boring begins to ensure a smooth cut through the mill scale.

Auto-feed

Automatic control & feed are activated by simply pushing the Rod handle to engage the clutch.



Load Sensor

The dual sensing system responds to both drilling and feeding forces on the cutter for the optimum cutting condition.

Variable Automatic Feed

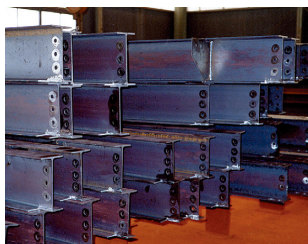
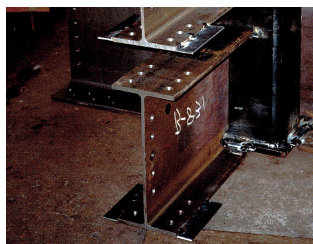
The feed speed is continuously monitored and updated proportionally to the load on the cutter.

Cycle Stop

After the cut has finished, a detector responds to the reduction in load and both the drill and the feed motor automatically stop.

Overload Stop

When an excessive load is applied to the cutter, both the drill and the feed motor will stop automatically.



ATRA ACE manual feed

New generation magnetic base drilling machines help meet productivity and safety goals.

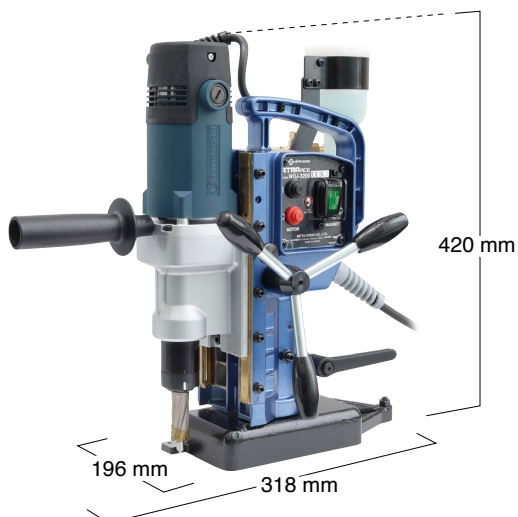
- Advanced safety system

Model WOJ-3200

- Max. 32 mm dia. x 50 mm deep

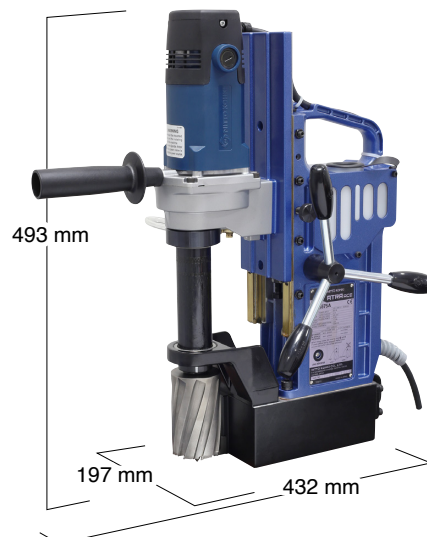


YouTube



Model AO-5575A

- Max. 55 mm dia. x 75 mm deep



Specifications

Model		WOJ-3200		AO-5575A	
Power Source (Single Phase)		110 - 120 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz	
Electric	Rated Power Consumption	W	950	950	
Drill	Rated Current	A	8.6	4.3	
	No-load Speed	min ⁻¹ (rpm)	870	520	
Magnet Power Consumption		W	38	30	50
Hole	Cutter	Hole Diameter		Plate Thickness	
Capacity mm	One-touch Type JETBROACH 25L	12 to 17		12 to 17	9 to 25
	One-touch Type JETBROACH 35L	17.5 to 32		17.5 to 40	9 to 35
	One-touch Type JETBROACH 50L	12 to 32		12 to 55	9 to 50
	One-touch Type JETBROACH 75L	-		17.5 to 55	9 to 75
	One-touch Type HI-BROACH 25L	-		12 to 50	9 to 25
	One-touch Type HI-BROACH 50L	-		12 to 50	9 to 50
	Twist Drill	Max. 13 mm dia.		-	
Min. Plate Thickness for Magnet Adhesion		mm	9	9	
Max. Stroke		mm	130	105	
Magnet Holding Power		N(kgf)	9000 (918)	10000 (1020)	
Magnet Dimensions		mm	99 (W) x 177 (L)	86 (W) x 170 (L)	
Power Cord Length		m	3	3	
Mass (Weight)		kg	13	17.5	
Accessories Included		• Carry Case • Oil Tank • Pilot Pin 08035 • Sub Handle • 2 pieces of Hex. Socket Head Bolt 5 x 10 mm • 3 pieces of Rod Handle • 3 mm Hex. Socket Screw Key • 4 mm Hex. Socket Screw Key • 6 mm Hex. Socket Screw Key • 8 x 10 mm Spanner • Guard • Safety Strap • Carry Case • Cutting Oil 0.5L • Pilot Pin 08050 • Side Handle • 3 mm Hex. Socket Screw Key • 5 mm Hex. Socket Screw Key • 8 x 10 mm Spanner • Guard • Chain			

Optional Accessories

Ref. No.	PN	Description	Sales Unit	Applicable Model	
				WOJ-3200	AO-5575A
1	TB07691	Chip Breaker Ass'y	1 set	●	●
2	TB07474	Chip Breaker Ass'y	1 set	●	●
3	TQ10581	Oiler No. 3013	1 piece	●	●
4	TB01098	Tube 4 x 7 x 3000 Ass'y	1 set	●	●
5	TB01507	Cutting Oil 2L	1 piece	●	●
6	TB07696	Pipe Attachment Ass'y	1 set	●	●
7	TB04374	Supporting Magnet Ass'y	1 set	●	●
8	TB07690	One-touch Drill Adapter	1 piece	●	●
9	TB02536	Sleeve 6.5 for Triangle Shank Drill Bit	1 piece	●	●
*50L for stacked plates		One-touch Type JETBROACH 25L	1 piece	●	●
		One-touch Type JETBROACH 35L	1 piece	●	●
		One-touch Type JETBROACH 50L	1 piece	●	●
		One-touch Type JETBROACH 75L	1 piece	●	●
		One-touch Type HI-BROACH 25L	1 piece	●	●
		One-touch Type HI-BROACH 50L	1 piece	●	●



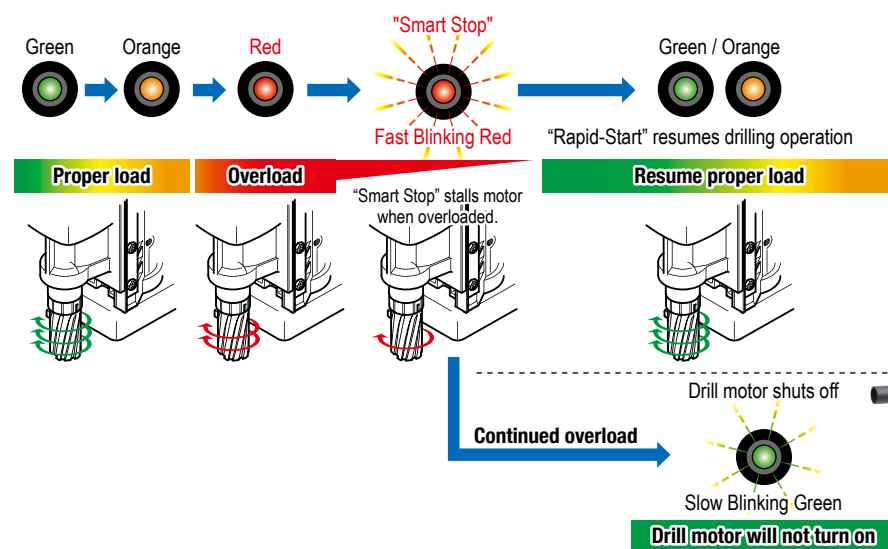
Load Detector with "Smart-Stop/Rapid-Restart" Technology

"Smart-Stop / Rapid-Restart" technology for WOJ-3200 / AO-5575A, an innovative feature of ATRA ACE manual feed

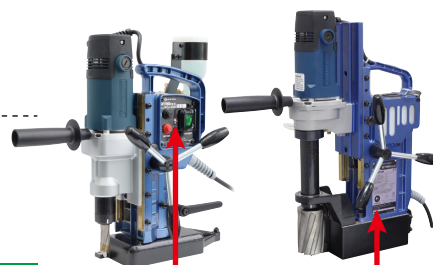
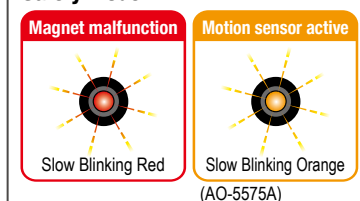
This new feature is a breakthrough in the Manual drill industry. Formerly only found on high end Nitto Kohki Automatic drills, this technology displays the current drill status via the LED Load Indicator. Customers will experience a cutting edge drill management system designed solely around saving time and money in replacement parts and cutters in addition to reducing user fatigue and down time.

As the drilling load increases, the load indicator will change in color from green to orange to red. In addition, if excessive feeding force is applied, the load indicator will rapidly blink red and the rotation of the drill motor will slow down and temporarily stop. If the load is released while the load indicator is blinking red, the drill motor will resume its rotation.

LED load indicator



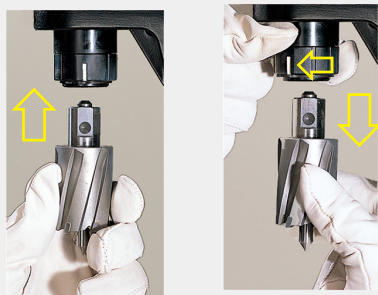
Safety mode



LED load indicator

One-Touch Cutter Replacement

Replacement is quick and easy with our unique push fit self-centering cutter system.



Mounting the cutter

Removing the cutter

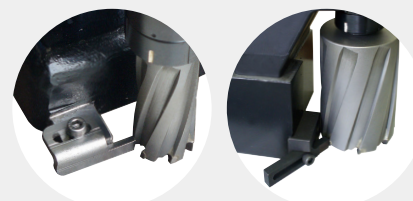
Reversible Feed Handle

Feed handles can be positioned on the right or left side for ease of drilling and mounting in confined spaces.



Chip Breaker (Optional)

This chip breaker prevents the cutter from becoming jammed with metal shavings.

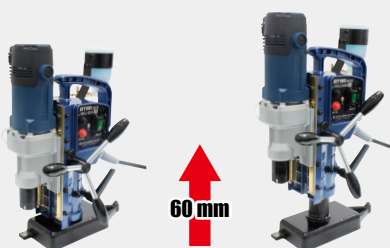


WOJ-3200

AO-5575A

Body Height Adjustment (WOJ-3200)

The use of JETBROACH CUTTERS require the frame to be at the lowest position, while twist bit drilling requires the appropriate amount of elevation to be adjusted for safe operation.



60 mm

One-Touch Drill Adapter (WOJ-3200)

Optional One-Touch Drill Adapter allows the use of up to 13 mm twist drills to be used in the original arbor.



*Twist drills are not provided with the One-Touch Drill Adapter.

Built-in coolant tank to protect against damage (AO-5575A)

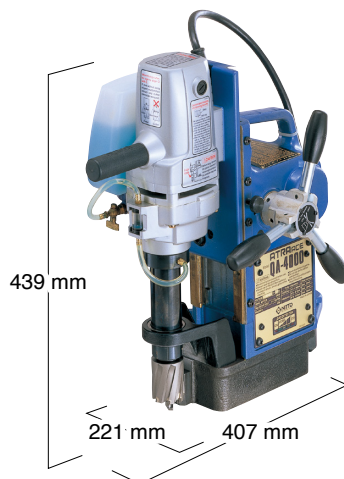


Portable Magnetic Base Drilling Machine

ATRA ACE quick auto

Model QA-4000 Non-CE

• Max. 40 mm dia. x 35 mm deep

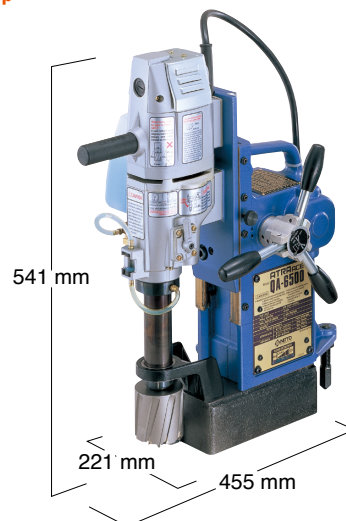


Fully automatic drilling for increased productivity and reduced cost

- Proven Automatic Technology (self feeding, automatic return, load detection for speed and feed regulation)

Model QA-6500 Non-CE

• Max. 65 mm dia. x 50 mm deep

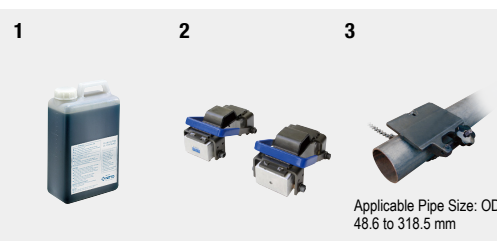


Specifications

Specifications			QA-4000		QA-6500	
Power Source (Single Phase)			110 - 120 V AC, 50/60 HZ		220 - 240 V AC, 50/60 Hz	
Electric	Rated Power Consumption	W	680		1010	
Drill	Rated Current	A	6.1		4.5	
	No-load Speed	min ⁻¹ (rpm)	750		400 / 750	
Magnet Power Consumption		W	50		75	
Hole	Cutter		Hole Diameter	Plate Thickness	Hole Diameter	Plate Thickness
Capacity mm	One-touch Type JETBROACH 35L		17.5 to 40	9 to 35	17.5 to 40	9 to 35
	One-touch Type JETBROACH 50L		-	-	17.5 to 65	9 to 50
	One-touch Type HI-BROACH 25L		14 to 15	9 to 12	18 to 35	9 to 25
			16 to 18	9 to 25		
Min. Plate Thickness for Magnet Adhesion		mm	9		9	
Max. Stroke		mm	75		88	
Magnet Holding Power		N(kgf)	6664 (680)		9800 (1000)	
Magnet Dimensions		mm	82 (W) x 172 (L)		100 (W) x 200 (L)	
Power Cord Length		m	4		5	
Mass (Weight)		kg	18.5		26	
Accessories Included			• Oil Tank • Cutting Oil 0.5L • Pilot Pin 08035 • Side Handle • 3 mm Hex. Socket Screw Key • 4 mm Hex. Socket Screw Key • 8 x 10 mm Spanner • Chain • Tool Box		• Oil Tank • Cutting Oil 0.5L • Pilot Pin 08050 • Side Handle • 3 mm Hex. Socket Screw Key • 4 mm Hex. Socket Screw Key • 8 x 10 mm Spanner • Chip Stopper • Chain • Tool Box	

Optional Accessories

Ref. No.	PN	Description	Sales Unit	Applicable Model	
				QA-4000	QA-6500
1	TB01507	Cutting Oil 2L	1 piece	●	●
2	TB04374	Supporting Magnet Ass'y	1 set	●	●
3	TB07696	Pipe Attachment Ass'y	1 set	●	●
		One-touch Type JETBROACH 35L	1 piece	●	●
		One-touch Type JETBROACH 50L	1 piece	●	●
		One-touch Type HI-BROACH 12L	1 piece	●	●
		One-touch Type HI-BROACH 25L	1 piece	●	●



Automatic Return

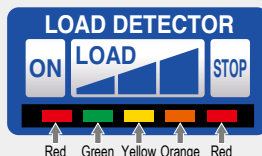
Once drilling is completed and the slug is ejected from the hole, the cutting bit is quickly retracted. This quick drill motor retraction allows the user to move onto the next hole more quickly.

Built-in Motion Sensor

If any lateral movement or excess vibration is detected, both the drill and the feed motor stop. Nitto Kohki is the first company to incorporate this feature into magnetic base drills.

Self Feeding & Load Detection

The feeding is controlled by an onboard microcomputer. The feed rate begins slowly and then increases to the appropriate speed for the cutter size and load condition. The load detector clearly shows the amount of resistance on the cutter at anytime.



Step Feed

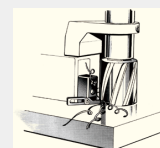
When cutting through difficult materials, the load sensor will automatically activate the Step Feed Program to help penetrate material.

Limit Switch

The automatic drills of ATRAACE utilize a limit switch that resets the machine when it retracts to the starting position after hole completion, and shuts down the motors in the event of an over-travel at the bottom of the stroke.

Chip Breaker

This chip breaker prevents the cutter from becoming jammed with metal shavings.



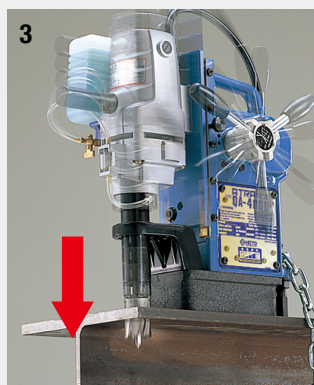
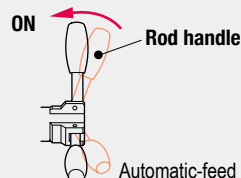
Automatic-feed Hole-cutting Procedure



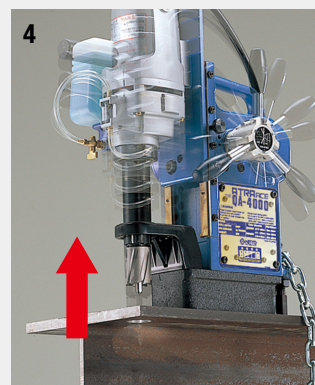
Align the pilot pin with the center punch mark of the hole to be drilled. Attach the machine to the beam with the proper safety chain and engage the magnet. Lower the drill down from the top limit switch location to the point of the pilot pin making contact with the material and engage the motor.



Engage the clutch by pushing the handles in towards the drill and the motor will begin feeding automatically.



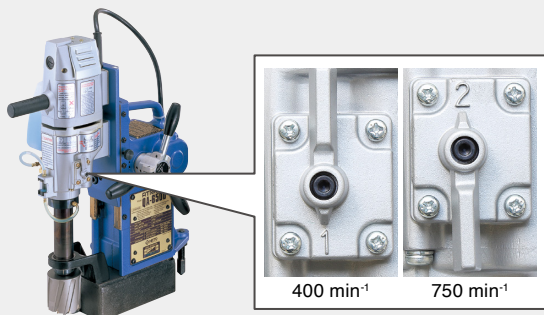
Slow start mechanism cuts smoothly through the mill scale. Then, speed and feed rate is controlled by the sensors to achieve efficient drilling.



After the hole is completed, the QA Series machines will quickly return and stop at the top of the stroke, ready for the next hole.

Two Speed Selection (QA-6500)

Speed can be changed to suit the type and size of the cutter.

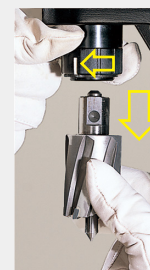


One-touch Cutter Replacement

Replacement is quick and easy with our unique push fit self-centering cutter system.



Mounting the cutter



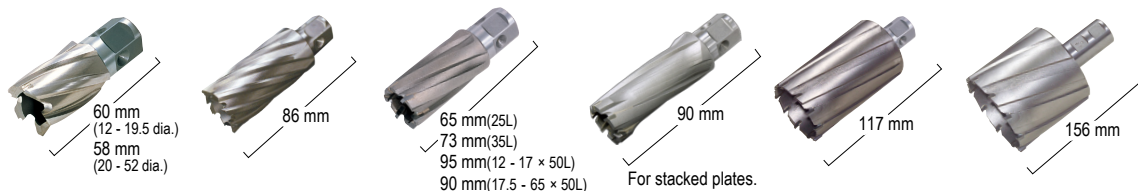
Removing the cutter

JETBROACH CUTTERS & HI-BROACH CUTTERS

BROACH CUTTERS are far better than twist drills

- No dead point
- Peripheral cutting
- Dramatically reduce cutting resistance
- Available diameter size: 12 - 100 mm

Test Drilling is very often the only way to determine the machinability of difficult materials.
Use a small size cutter wherever possible in order to minimize trial costs.



Specifications				90 mm(17.5 - 65 × 50L)		For stacked plates.	
		HI-BROACH One-touch Type/25L	HI-BROACH One-touch Type/50L	JETBROACH One-touch Type/25,35,50L	JETBROACH One-touch Type/50L(W)	JETBROACH One-touch Type/75L	JETBROACH Side lock Type/75L
Hole Capacity mm	Hole Diameter	25L: 12 - 52 dia.	-	25L: 12 - 17 dia.	-	-	-
		-	-	35L: 17.5 - 40 dia.	-	-	-
		-	50L: 12 - 52 dia.	50L: 12 - 65 dia.	50L(W): 18, 22, 24 - 26.5,	-	-
		-	-	-	28, 32, and 35 dia.	75L: 17.5 - 55 dia.	75L: 50 - 100 dia.
		-	-	-	-	-	-
	Plate Thickness	25L: 25	-	25L: 25	-	-	-
		-	-	35L: 35	-	-	-
		-	50L: 50	50L: 50	50L(W): 50	-	-
		-	-	-	-	75L: 75	75L: 75
		-	-	-	-	-	-
Feed Speed		mm/rev		0.02 - 0.1			
Circumferential Speed		m/min		15 - 35 (mild steel)			
				35 - 50 (mild steel)			

HI-BROACH One-touch Type		ARA-100A	WA-3500	WA-5000	AO-5575A	QA-4000	QA-6500	Pilot Pin
Depth	mm dia.	PN						
25 mm	12	TK00698			•			06025
	13	TK00699			•			
	14	TK00700	•	•	•	•		
	15	TK00701	•	•	•	•		
	16	TK00702	•	•	•	•		
	17	TK00703	•	•	•	•		
	17.5	TK01391	•	•	•	•		
	18	TK01392	•	•	•	•	•	08025
	19	TK01393	•	•	•	•	•	
	19.5	TK01394	•	•	•	•	•	
	20	TK01395	•	•	•	•	•	
	21	TK01396	•	•	•	•	•	
	21.5	TK01397	•	•	•	•	•	
	22	TK01398	•	•	•	•	•	
	22.5	TK01399	•	•	•	•	•	
	23	TK01400	•	•	•	•	•	
	23.5	TK01401	•	•	•	•	•	
	24	TK01402	•	•	•	•	•	
	24.5	TK01403	•	•	•	•	•	
	25	TK01404	•	•	•	•	•	
	26	TK01405	•	•	•	•	•	
	27	TK01407	•	•	•	•	•	
	28	TK01408	•	•	•	•	•	
	29	TK01409	•	•	•	•	•	
	30	TK01410	•	•	•	•	•	
	31	TK01411	•	•	•	•	•	
	32	TK01412	•	•	•	•	•	
	33	TK01413	•	•	•	•	•	
	34	TK01414	•	•	•	•	•	
	35	TK01415	•	•	•	•	•	
	36	TK01416		•	•			08050
	37	TK01417		•	•			
	38	TK01418		•	•			
	39	TK01419		•	•			
	40	TK01420		•	•			
	41	TK01421		•	•			
	42	TK01422		•	•			
	43	TK01423		•	•			
	44	TK01424		•	•			
	45	TK01425		•	•			
	46	TK01426		•	•			
	47	TK01427		•	•			
	48	TK01428		•	•			
	49	TK01429		•	•			
	50	TK01430		•	•			
	51	TK01431						
	52	TK01432						

HI-BROACH One-touch Type		ARA-100A	WA-5000	AO-5575A	Pilot Pin
Depth	mm dia.	PN			
50 mm	12	TK00721		•	06050
	13	TK00722		•	
	14	TK00723	•	•	
	15	TK00724	•	•	
	16	TK00725	•	•	
	17	TK00726	•	•	
	18	TK00727	•	•	
	19	TK00728	•	•	08050
	20	TK00729	•	•	
	21	TK00730	•	•	
	22	TK00731	•	•	
	23	TK00732	•	•	
	24	TK00733	•	•	
	25	TK00734	•	•	
	26	TK00735	•	•	
	27	TK00736	•	•	
	28	TK00737	•	•	
	29	TK00738	•	•	
	30	TK00739	•	•	
	31	TK00740	•	•	
	32	TK00741	•	•	
	33	TK00742	•	•	
	34	TK00743	•	•	
	35	TK00744	•	•	
	36	TK00745	•	•	
	37	TK00746	•	•	
	38	TK00747	•	•	
	39	TK00748	•	•	
	40	TK00749	•	•	
	41	TK00750	•	•	
	42	TK00751	•	•	
	43	TK00752	•	•	
	44	TK00753	•	•	
	45	TK00754	•	•	
	46	TK00755	•	•	
	47	TK00756	•	•	
	48	TK00757	•	•	
	49	TK00758	•	•	
	50	TK00759	•	•	
	51	TK00760			
	52	TK00761			

JETBROACH One-touch Type		ARA-100A	LO-3550	WA-3500	WA-5000	WOJ-3200	AO-5575A	QA-4000	QA-6500	Pilot Pin
Depth	mm dia.	PN								
25 mm	12	TK01148			•	•	•	•		06025
	13	TK01149		•	•	•	•	•		
	14	TK01150	•	•	•	•	•	•		
	15	TK01151	•	•	•	•	•	•		
	16	TK01152	•	•	•	•	•	•		
	17	TK01153	•	•	•	•	•	•		
	17.5	TK01249	•	•	•	•	•	•	•	08035
	18	TK01250	•	•	•	•	•	•	•	
	18.5	TK01251	•	•	•	•	•	•	•	
	19	TK01252	•	•	•	•	•	•	•	
	19.5	TK01253	•	•	•	•	•	•	•	
	20	TK01254	•	•	•	•	•	•	•	
	20.5	TK01255	•	•	•	•	•	•	•	
	21	TK01256	•	•	•	•	•	•	•	
	21.5	TK01257	•	•	•	•	•	•	•	
	22	TK01258	•	•	•	•	•	•	•	
	22.5	TK01259	•	•	•	•	•	•	•	
35 mm	23	TK01260	•	•	•	•	•	•	•	
	23.5	TK01261	•	•	•	•	•	•	•	
	24	TK01262	•	•	•	•	•	•	•	
	24.5	TK01263	•	•	•	•	•	•	•	
	25	TK01264	•	•	•	•	•	•	•	
	25.5	TK01265	•	•	•	•	•	•	•	
	26	TK01266	•	•	•	•	•	•	•	
	26.5	TK01267	•	•	•	•	•	•	•	
	27	TK01268	•	•	•	•	•	•	•	
	28	TK01269	•	•	•	•	•	•	•	
	29	TK01270	•	•	•	•	•	•	•	
	30	TK01271	•	•	•	•	•	•	•	
	31	TK01272	•	•	•	•	•	•	•	
	32	TK01273	•	•	•	•	•	•	•	
	33	TK01274	•	•	•	•	•	•	•	
	34	TK01275	•	•	•	•	•	•	•	
	35	TK01276	•	•	•	•	•	•	•	
	36	TK01277	•	•	•	•	•	•	•	
	37	TK01278	•	•	•	•	•	•	•	
	38	TK01279	•	•	•	•	•	•	•	
	39	TK01280	•	•	•	•	•	•	•	
	40	TK01281	•	•	•	•	•	•	•	

JETBROACH One-touch Type		ARA-100A	LO-3550	WA-3500	WA-5000	WOJ-3200	AO-5575A	QA-6500	Pilot Pin
Depth	mm dia.	PN							
50 mm	12	TK01154		●	●	●	●		06050
	13	TK01155		●	●	●	●		
	14	TK01156		●	●	●	●		
	15	TK01157		●	●	●	●		
	16	TK01158		●	●	●	●		
	17	TK01159		●	●	●	●		
	17.5	TK01282	●	●	●	●	●	●	
	18	TK01283	●	●	●	●	●	●	
	19	TK01284	●	●	●	●	●	●	
	19.5	TK01285	●	●	●	●	●	●	
	20	TK01286	●	●	●	●	●	●	
	20.5	TK01287	●	●	●	●	●	●	
	21	TK01288	●	●	●	●	●	●	
	21.5	TK01289	●	●	●	●	●	●	
	22	TK01290	●	●	●	●	●	●	
	22.5	TK01291	●	●	●	●	●	●	
	23	TK01292	●	●	●	●	●	●	
	23.5	TK01293	●	●	●	●	●	●	
	24	TK01294	●	●	●	●	●	●	
	24.5	TK01295	●	●	●	●	●	●	
	25	TK01296	●	●	●	●	●	●	
	25.5	TK01297	●	●	●	●	●	●	
	26	TK01298	●	●	●	●	●	●	
	26.5	TK01299	●	●	●	●	●	●	
	27	TK01300	●	●	●	●	●	●	08050
	28	TK01301	●	●	●	●	●	●	
	29	TK01302	●	●	●	●	●	●	
	30	TK01303	●	●	●	●	●	●	
	31	TK01304	●	●	●	●	●	●	
	32	TK01305	●	●	●	●	●	●	
	33	TK01306	●	●	●	●	●	●	
	34	TK01307	●	●	●	●	●	●	
	35	TK01308	●	●	●	●	●	●	
	36	TK01309	●	●	●	●	●	●	
	37	TK01310	●	●	●	●	●	●	
	38	TK01311	●	●	●	●	●	●	
	39	TK01312	●	●	●	●	●	●	
	40	TK01313	●	●	●	●	●	●	
	41	TK01314	●	●	●	●	●	●	
	42	TK01315	●	●	●	●	●	●	
	43	TK01316	●	●	●	●	●	●	
	44	TK01317	●	●	●	●	●	●	
	45	TK01318	●	●	●	●	●	●	
	46	TK01319	●	●	●	●	●	●	
	47	TK01320	●	●	●	●	●	●	
	48	TK01321	●	●	●	●	●	●	
	49	TK01322	●	●	●	●	●	●	
	50	TK01323	●	●	●	●	●	●	
	51	TK01324	●	●	●	●	●	●	
	52	TK01325	●	●	●	●	●	●	
	53	TK01326	●	●	●	●	●	●	
	54	TK01327	●	●	●	●	●	●	
	55	TK01328	●	●	●	●	●	●	
	56	TK01329	●	●	●	●	●	●	
	57	TK01330	●	●	●	●	●	●	
	58	TK01331	●	●	●	●	●	●	
	59	TK01332	●	●	●	●	●	●	
	60	TK01333	●	●	●	●	●	●	
	61	TK01334	●	●	●	●	●	●	
	62	TK01335	●	●	●	●	●	●	
	63	TK01336	●	●	●	●	●	●	
	64	TK01337	●	●	●	●	●	●	
	65	TK01338	●	●	●	●	●	●	

JETBROACH One-touch Type 50L(W) for stacked plates		ARA-100A	LO-3550	WOJ-3200	AO-5575A	Pilot Pin
Depth	mm dia.	PN				
50 mm	18	TK01068	●	●	●	08050
	22	TK00622	●	●	●	
	24	TK00623	●	●	●	
	24.5	TK00631	●	●	●	
	25	TK00624	●	●	●	
	26	TK00625	●	●	●	
	26.5	TK00632	●	●	●	
	28	TK00626	●	●	●	
	32	TK00627	●	●	●	
	35	TK00628	●	●	●	

JETBROACH One-touch Type		ARA-100A	WA-5000	AO-5575A	Pilot Pin
Depth	mm dia.	PN			
75 mm	17.5	TK01350	●	●	08075
	18	TK01351	●	●	
	19	TK01352	●	●	
	20	TK01353	●	●	
	21	TK01354	●	●	
	22	TK01355	●	●	
	23	TK01356	●	●	
	24	TK01357	●	●	
	24.5	TK01358	●	●	
	25	TK01359	●	●	
	26	TK01360	●	●	
	26.5	TK01361	●	●	
	27	TK01362	●	●	
	28	TK01363	●	●	
	29	TK01364	●	●	
	30	TK01365	●	●	
	31	TK01366	●	●	
	32	TK01367	●	●	
	33	TK01368	●	●	
	34	TK01369	●	●	
	35	TK01370	●	●	
	36	TK01371	●	●	
	37	TK01372	●	●	
	38	TK01373	●	●	
	39	TK01374	●	●	
	40	TK01375	●	●	
	41	TK01376	●	●	
	42	TK01377	●	●	
	43	TK01378	●	●	
	44	TK01379	●	●	
	45	TK01380	●	●	
	46	TK01381	●	●	
	47	TK01382	●	●	
	48	TK01383	●	●	
	49	TK01384	●	●	
	50	TK01385	●	●	
	51	TK01386	●	●	
	52	TK01387	●	●	
	53	TK01388	●	●	
	54	TK01389	●	●	
	55	TK01390	●	●	

JETBROACH Side-lock Type		ARA-100A	Pilot Pin
Depth	mm dia.	PN	
75 mm	50	TK01433	●
	51	TK01434	●
	52	TK01435	●
	53	TK01436	●
	54	TK01437	●
	55	TK01438	●
	56	TK01439	●
	57	TK01440	●
	58	TK01441	●
	59	TK01442	●
	60	TK01443	●
	61	TK01444	●
	62	TK01445	●
	63	TK01446	●
	64	TK01447	●
	65	TK01448	●
	66	TK01449	●
	67	TK01450	●
	68	TK01451	●
	69	TK01452	●
	70	TK01453	●
	71	TK01454	●
	72	TK01455	●
	73	TK01456	●
	74	TK01457	●
	75	TK01458	●
	76	TK01459	●
	77	TK01460	●
	78	TK01461	●
	79	TK01462	●
	80	TK01463	●
	81	TK01464	●
	82	TK01465	●
	83	TK01466	●
	84	TK01467	●
	85	TK01468	●
	86	TK01469	●
	87	TK01470	●
	88	TK01471	●
	89	TK01472	●
	90	TK01473	●
	91	TK01474	●
	92	TK01475	●
	93	TK01476	●
	94	TK01477	●
	95	TK01478	●
	96	TK01479	●
	97	TK01480	●
	98	TK01481	●
	99	TK01482	●
	100	TK01483	●

Pilot Pin		PN : TK01167
06025	81 mm	5 dia.
08025	76 mm	8 dia.
06050	112 mm	5 dia.
08050	112 mm	8 dia.
08035	91 mm	8 dia.
08075	133 mm	8 dia.
12075	192 mm	6 dia.

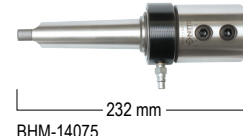
Sales Unit: 1 Piece



BROACH HOLDERS

Industrial cutters for faster and better finished holes

- The Spring-loaded pilot pin picks up the hole location quickly, and ejects the slug automatically at the end of cut
- Available with No. 2 to 4 Morse taper shanks
- Oil Cup Complete Ass'y (PN TB00350) is available as an optional attachment which provides continuous and adjustable cutting oil flow to the cutting area



Specifications		M.T.No.2								M.T.No.4	
Morse Taper No.		M.T.No.2								M.T.No.4	
Model		BHM-02035								BHM-13075	BHM-14075
PN		TB00390								TB00352	TB00354
Cutter		HBO-25L		JBO-35L		HBO-25L		HBO-50L		JBO-35L	
Cutter Diameter		12 - 17 dia.		17.5 - 35 dia.		12 - 17 dia.		17.5 - 52 dia.		17.5 - 65 dia.	
Pilot Pin		06025		08025		08035		06050		08050	
		Optional		Included		Optional		Included		Optional	

HBO: HI-BROACH One-touch Type

JBO: JETBROACH One-touch Type

JBS: JETBROACH Side-lock Type

PUNCHING

Portable Double-Acting Hydraulic Puncher

SELFER ACE

Double acting hydraulic system allows automatic and inching (manual mode) operation. *CE model is available without auto-return function.

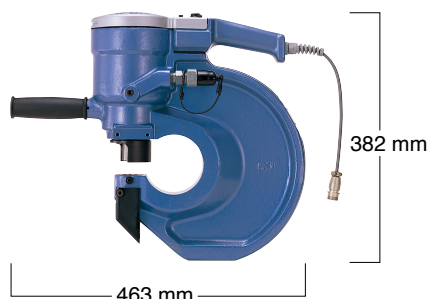
• Applicable for both mild steel and stainless steel punching



YouTube

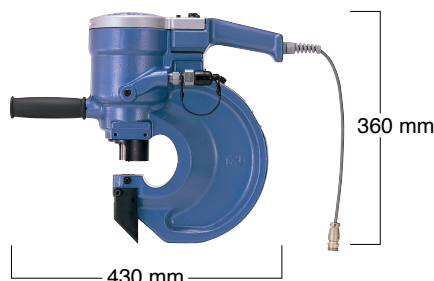
Model HS11-1624 Non-CE/ [CE]*

- Max. punching thickness: 16 mm
- Max. punching diameter: 24 mm
- Max. throat depth: 110 mm



Model HS07-1624 Non-CE/ [CE]*

- Max. punching thickness: 16 mm
- Max. punching diameter: 24 mm
- Max. throat depth: 70 mm



Model HS06-1322 Non-CE/ [CE]*

- Max. punching thickness: 13 mm
- Max. punching diameter: 22 mm
- Max. throat depth: 60 mm



Specifications

Model		HS11-1624		HS07-1624		HS06-1322	
Max. Throat Depth		110		70		60	
Punching	Material	Mild Steel	Stainless Steel	Mild Steel	Stainless Steel	Mild Steel	Stainless Steel
Capacity	Max. Punching Thickness*	16	6	16	6	13	6
	Max. Punching Diameter	24		24		22	
Hole Making time	Punching Time	11.8		11.8		7.9	
	Returning Time	5.7		5.7		3.4	
Allowable Max. Pressure		68.65 (700)					
Max. Output		464 (47)				367 (37)	
Ram Stroke		25				21	
Mass (Weight)		30		25.5		20.5	
Accessories Included		• D Punch 22 (Installed) • D Die 22 (Installed) • Sub Handle • Ultra-high Pressure Hose		• Hose Cord Ass'y • Chip Guard Ass'y • Spanner • 12 mm Spanner		• 4 mm Hex. Socket Screw Key • 5 mm Hex. Socket Screw Key • Tool Box	

*Mild steel: Maximum punching thickness must be calculated by the equation $0.8 \times \text{punching diameter}$.

*Stainless steel: Maximum punching thickness must be calculated by the equation $0.5 \times \text{punching diameter}$. For the details see the instruction manual.

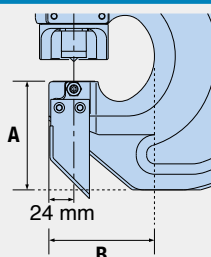
Optional Accessories

PN	Description	Sales Unit
TB02506	Hose Kit Ass'y *1	1 set
TP05184	Ultra-high Pressure Hose 5 m *2	1 piece
TB02390	Switch Cord Ass'y 5 m	1 set
TP05777	Ultra-high Pressure Hose 10 m *2	1 piece
TB02545	Switch Cord Ass'y 10 m	1 set
TB02141	Foot Switch Ass'y	1 set
TA92729	4L Oil Can	1 piece
TB02142	Hook Clamp Ass'y	1 set
TA99037	Lock Nut Ass'y for 25 mm Punch	1 set
TQ01279	Hex. Socket Head Screw 8 x 14 for Securing Oblong Hole D Dies	1 piece

*1: The Hose Kit Ass'y consists of two Ultra-high Pressure Hoses with CUPLA and a Switch Cord Ass'y.

*2: CUPLA is not provided with the Ultra-high Pressure Hose.

Dimension from Edge to Punch Center



(Max. throat depth from punch center)
= (B) - 24

	A	B
HS11-1624	127	134
HS07-1624	105	94
HS06-1322	84	85



HYDRAULIC PUMP for SELFER ACE

Model HPD-05 Non-CE/ [CE]*

- Double-acting



Specifications

Model	HPD-05	
Power Source (Single Phase)	115 V / 230 V AC	
Max. Output Pressure	MPa (kgf/cm ²) 68.65 (700)	
Output	50 Hz	60 Hz
At No-load	L/min 1.20	1.44
At 68.65 MPa	L/min 0.55	0.66
Motor	0.4 kW 4P	
Reservoir Capacity	L 4.0	
Discharge Port	Rc 3/8	
Electro-Magnetic Valve	4 way 3 position valve	
Mass (Weight)	kg 32.5	

*CE model is available without auto-return function.

PUNCHING

Portable Single-Acting Hydraulic Puncher

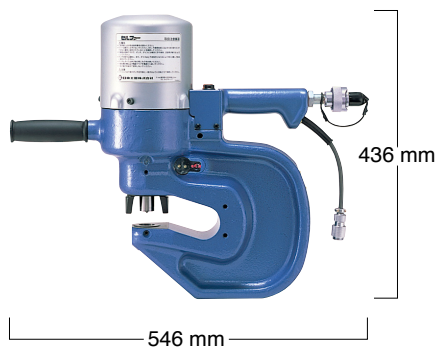
SELFER HA Type

Punch, return, and reset operations are fully automatic.
An emergency switch returns the punch at any time.

- Will punch both round and oblong holes

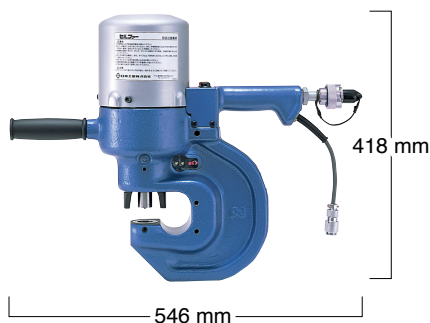
Model HA11-1624 Non-CE

- Max. punching thickness: 16 mm
- Max. punching diameter: 24 mm
- Max. throat depth: 110 mm



Model HA07-1624 Non-CE

- Max. punching thickness: 16 mm
- Max. punching diameter: 24 mm
- Max. throat depth: 70 mm



Model HA06-1322 Non-CE

- Max. punching thickness: 13 mm
- Max. punching diameter: 22 mm
- Max. throat depth: 60 mm



Specifications

Model	HA11-1624	HA07-1624	HA06-1322
Max. Throat Depth	mm 110	70	60
Punching Material	Mild Steel		
Capacity	Max. Punching Thickness*1	mm 16	13
	Max. Punching Diameter	mm 24	22
Hole Making Time*2	sec. 16.5		10.5
Allowable Max. Pressure	MPa (kgf/cm ²) 68.65 (700)		
Max. Output	kN (tf) 431 (44)		
Ram Stroke	mm 25		21
Mass (Weight)	kg 35.5	28.5	21.5
Accessories Included	• D Punch 22 (Installed) • D Die 22 (Installed) • Sub Handle • Hose Cord Ass'y • Spanner • 4 mm Hex. Socket Screw Key • Tool Box		

*1: Mild steel: Maximum punching thickness must be calculated by the equation $0.8 \times \text{punching diameter}$. Stainless steel and hard materials cannot be punched. For the details see the instruction manual.

*2: The hole making time may vary depending on the temperature of the hydraulic oil during operation.

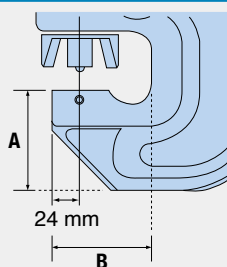
Optional Accessories

PN	Description	Sales Unit
TA96534	Hose Kit Ass'y 5 m *1	1 set
TP05184	Ultra-high Pressure Hose 5 m *2	1 piece
TA93778	Switch Cord Ass'y 5 m	1 set
TA9B044	Hose Kit Ass'y 10 m *1	1 set
TP05777	Ultra-high Pressure Hose 10 m *2	1 piece
TA95307	Switch Cord Ass'y 10 m	1 set
TA94386	Foot Switch Ass'y	1 set
TA92729	4L Oil Can	1 piece
TA96342	Hook Clamp Ass'y for HA07-1624 and HA11-1624	1 set
TA99037	Lock Nut Ass'y for 25 mm Punch	1 set
TQ01279	Hex. Socket Head Screw 8 x 14 for Securing Oblong Hole D Dies	1 piece

*1: The Hose Kit Ass'y consists of an Ultra-high Pressure Hose with CUPLA and a Switch Cord Ass'y.

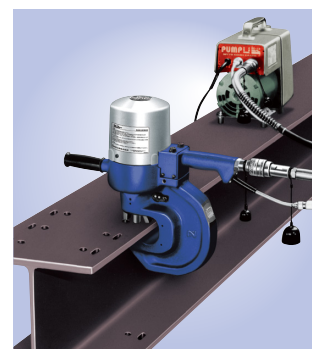
*2: CUPLA is not provided with the Ultra-high Pressure Hose.

Dimension from Edge to Punch Center



(Max. throat depth from punch center) = (B) - 24

	A	B
HA11-1624	111	134
HA07-1624	93	94
HA06-1322	83	84



HYDRAULIC PUMP for SELFER HA Type

Model SC-05 Non-CE

- Single-acting



Specifications

Model	SC-05	
Power Source (Single Phase)	115 V / 230 V AC	
Max. Output Pressure	MPa (kgf/cm ²) 68.65 (700)	
Output	50 Hz	60 Hz
At No-load	L/min 1.20	1.44
At 68.65 MPa	L/min 0.55	0.66
Motor	0.4 kW 4P	
Reservoir Capacity	L 4.0	
Discharge Port	Rc 3/8	
Mass (Weight)	kg 27.5	

PUNCHING

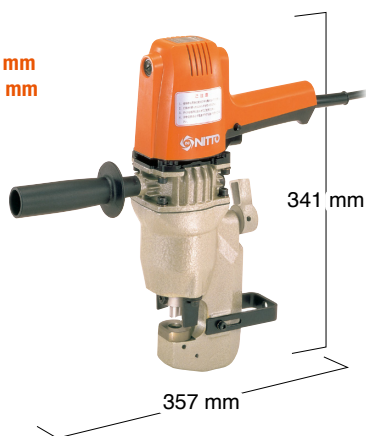
Electrically Operated Hydraulic Puncher

HANDY SELFER

Self-contained hydraulic punch shows its power in making round or elongated holes in flat bar, angle bar or channel iron.

Model E25-0615 Non-CE

- Double insulation
- E punch and E die
- Max. punching thickness: 6 mm
- Max. punching diameter: 15 mm
- Max. throat depth: 25 mm



Model E55-0619 Non-CE

- EL punch and EL die
- Max. punching thickness: 6 mm
- Max. punching diameter: 19 mm
- Max. throat depth: 55 mm



Specifications

Specifications		E25-0615		E55-0619	
Power Source (Single Phase)		220 - 240 V AC, 50/60 Hz		110 - 120 V AC, 50/60 Hz	220 - 240 V AC, 50/60Hz
Max. Throat Depth		mm	25	55	
Motor	Rated Power Consumption	W	305	670	
	Rated Current	A	1.4	6.0	3.0
Punching Capacity	Material	Mild Steel			
	Max. Punching Diameter	mm	15	19	
	Max. Punching Thickness	mm	6	6	
Punching time		sec (single pass)	4	2	
Power Cord Length		m	2.4		
Mass (Weight)		kg	7.0	14	
Accessories Included		• E Punch 15 (Installed) • E Die 15A • E Die 15B (Installed) • Sub Handle • 2.5 mm Hex. Socket Screw Key • 4 mm Hex. Socket Screw Key • 10 x 12 mm Spanner • Auxiliary Oil 40 cc • Tool Box • Spanner 8 • EL Punch 18 (Installed) • EL Die 18A • EL Die 18B (Installed) • Sub Handle • 3 mm Hex. Socket Screw Key • 4 mm Hex. Socket Screw Key • 5 mm Hex. Socket Screw Key • 10 x 12 mm Spanner • Stand Ass'y • Auxiliary Oil 40 cc • Tool Box			

Optional Accessory (E25-0615)

PN	Description	Sales Unit
TB00800	Stand Ass'y	1 set

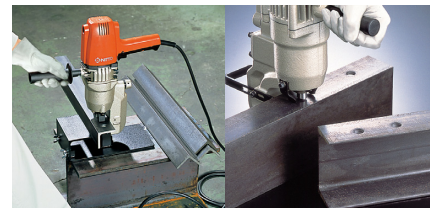
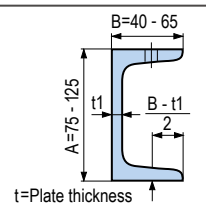


Die Selection

E Die and EL Die	Punching Thickness (mm)		Model
	Mild Steel	Stainless Steel	
Round Hole E Die A (for Thin Sheets)	2 to 3.2	Max. 3	E25-0615
Round Hole E Die B (for Thick Sheets)	4 to 6	Max. 4	
Round Hole EL Die A (for Thin Sheets)	2 to 3.2	Max. 3	E55-0619
Round Hole EL Die B (for Thick Sheets)	4 to 6	Max. 4	
Round Hole EL Die C (for Channel Iron)	7 to 8	-	

Punching Capacity in Channel Iron (E55-0619)

Punching Dia. Size	10 OD	11 OD	12 OD	13 OD	14 OD	15 OD	16 OD
75 x 40 t7	○	○	○	○	○	○	○
100 x 50 t7.5	○	○	○	○	○	○	-
125 x 65 t8	○	○	○	○	○	-	-



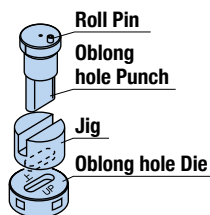
Oblong Hole Size

Model	E25-0615					E55-0619					unit: mm
	10	13	13.5	15	16.5	18	18	19.5	20	21	
E25-0615	10	13	13.5	15	16.5	18	18	19.5	20	21	
	10	13	13.5	15	16.5	18	18	19.5	20	21	
E55-0619	18	18	19.5	20	21	18	18	19.5	20	21	
	18	18	19.5	20	21	18	18	19.5	20	21	

Punches & Dies for SELFER Puncher

FOR HS06-1322/HS07-1624/HS11-1624/HA06-1322/HA07-1624/HA11-1624

Oblong hole D Punch		Oblong hole D Die		Oblong hole Jig	
PN	Size	PN	Size	PN	Size
TK01512	D Punch 16 x 8	TK01544	D Die 16 x 8	TK01694	Jig 16 x 8
TK01513	D Punch 18 x 9	TK01545	D Die 18 x 9	TK01695	Jig 18 x 9
TK01514	D Punch 20 x 10	TK01546	D Die 20 x 10	TK01696	Jig 20 x 10
TK01515	D Punch 22 x 11	TK01547	D Die 22 x 11	TK01697	Jig 22 x 11
TK01516	D Punch 24 x 12	TK01548	D Die 24 x 12	TK01698	Jig 24 x 12
TK01517	D Punch 25 x 9*	TK01549	D Die 25 x 9	TK01699	Jig 25 x 9
TK01518	D Punch 25 x 12*	TK01550	D Die 25 x 12	TK01700	Jig 25 x 12
TK01519	D Punch 25 x 14*	TK01551	D Die 25 x 14	TK01701	Jig 25 x 14
TK01520	D Punch 25 x 18*	TK01552	D Die 25 x 18	TK01702	Jig 25 x 18



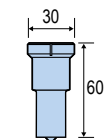
*TA99037 Lock Nut Ass'y is required for Oblong hole D Punch 25 x 9 / 12 / 14 / 18

Optional Accessories

PN	Description	Sales Unit
TQ01279	Hex. Set Screw 8 x 14 for Securing Oblong Hole Dies	1 piece
TA99037	Lock Nut Ass'y for D Punch 25	1 set

FOR HS06-1322/HS07-1624/HS11-1624/HA06-1322/HA07-1624/HA11-1624

Round hole D Punch		Round hole D Die	
PN	Size	PN	Size
TK01489	D Punch 8	TK01521	D Die 8
TK01490	D Punch 9	TK01522	D Die 9
TK01491	D Punch 10	TK01523	D Die 10
TK01492	D Punch 11	TK01524	D Die 11
TK01493	D Punch 12	TK01525	D Die 12
TK01494	D Punch 13	TK01526	D Die 13
TK01495	D Punch 14	TK01527	D Die 14
TK01496	D Punch 14.5	TK01528	D Die 14.5
TK01497	D Punch 15	TK01529	D Die 15
TK01498	D Punch 16	TK01530	D Die 16
TK01499	D Punch 17	TK01531	D Die 17
TK01500	D Punch 17.5	TK01532	D Die 17.5
TK01501	D Punch 18	TK01533	D Die 18
TK01502	D Punch 19	TK01534	D Die 19
TK01503	D Punch 20	TK01535	D Die 20
TK01504	D Punch 20.5	TK01536	D Die 20.5
TK01505	D Punch 21	TK01537	D Die 21
TK01506	D Punch 21.5	TK01538	D Die 21.5
TK01507	D Punch 22	TK01539	D Die 22
TK01508	D Punch 23	TK01540	D Die 23
TK01509	D Punch 23.5	TK01541	D Die 23.5
TK01510	D Punch 24	TK01542	D Die 24
TK01511	D Punch 25	TK01543	D Die 25



D Punches



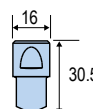
D Dies

* TA99037 Lock Nut Ass'y is required for D Punch 25

FOR E25-0615

Round hole E Punch		Round hole E Die (Type A for thin sheets)		Round hole E Die (Type B for thick sheets)	
PN	Size	PN	Size	PN	Size
TK01553	E Punch 4	TK01571	E Die 4A	-	-
TK01554	E Punch 5	TK01572	E Die 5A	TK01584	E Die 5B
TK01555	E Punch 5.5	TK01573	E Die 5.5A	TK01585	E Die 5.5B
TK01556	E Punch 6	TK01574	E Die 6A	TK01586	E Die 6B
TK01557	E Punch 6.5	TK01575	E Die 6.5A	TK01587	E Die 6.5B
TK01558	E Punch 8	TK01576	E Die 8A	TK01588	E Die 8B
TK01559	E Punch 8.5	TK01577	E Die 8.5A	TK01589	E Die 8.5B
TK01560	E Punch 10	TK01578	E Die 10A	TK01590	E Die 10B
TK01561	E Punch 11	TK01579	E Die 11A	TK01591	E Die 11B
TK01562	E Punch 12	TK01580	E Die 12A	TK01592	E Die 12B
TK01563	E Punch 13	TK01581	E Die 13A	TK01593	E Die 13B
TK01564	E Punch 14	TK01582	E Die 14A	TK01594	E Die 14B
TK01565	E Punch 15	TK01583	E Die 15A	TK01595	E Die 15B

Oblong hole E Punch		Oblong hole E Die (Type A for thin sheets)		Oblong hole E Die (Type B for thick sheets)	
PN	Size	PN	Size	PN	Size
TK01566	E Punch 10 x 5	TK01596	E Die 10 x 5A	TK01601	E Die 10 x 5B
TK01567	E Punch 10 x 6.5	TK01597	E Die 10 x 6.5A	TK01602	E Die 10 x 6.5B
TK01568	E Punch 12 x 6	TK01598	E Die 12 x 6A	TK01603	E Die 12 x 6B
TK01569	E Punch 13 x 6.5	TK01599	E Die 13 x 6.5A	TK01604	E Die 13 x 6.5B
TK01570	E Punch 13 x 8.5	TK01600	E Die 13 x 8.5A	TK01605	E Die 13 x 8.5B



E Punches



Front view of E Dies Type A



Side face of E Dies Type A



Front view of E Dies Type B

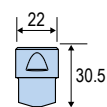


Side face of E Dies Type B

FOR E55-0619

Oblong hole EL Punch		Oblong hole EL Die (Type A for thin sheets)		Oblong hole EL Die (Type B for thick sheets)	
PN	Size	PN	Size	PN	Size
TK01621	EL Punch 10 x 6.5	TK01670	EL Die 10 x 6.5A	TK01682	EL Die 10 x 6.5B
TK01622	EL Punch 13 x 6.5	TK01671	EL Die 13 x 6.5A	TK01683	EL Die 13 x 6.5B
TK01623	EL Punch 13 x 8.5	TK01672	EL Die 13 x 8.5A	TK01684	EL Die 13 x 8.5B
TK01624	EL Punch 13.5 x 9	TK01673	EL Die 13.5 x 9A	TK01685	EL Die 13.5 x 9B
TK01625	EL Punch 15 x 10	TK01674	EL Die 15 x 10A	TK01686	EL Die 15 x 10B
TK01626	EL Punch 16.5 x 11	TK01675	EL Die 16.5 x 11A	TK01687	EL Die 16.5 x 11B
TK01627	EL Punch 17 x 8.5	TK01676	EL Die 17 x 8.5A	TK01688	EL Die 17 x 8.5B
TK01628	EL Punch 18 x 9	TK01677	EL Die 18 x 9A	TK01689	EL Die 18 x 9B
TK01629	EL Punch 18 x 12	TK01678	EL Die 18 x 12A	TK01690	EL Die 18 x 12B
TK01630	EL Punch 19.5 x 13	TK01679	EL Die 19.5 x 13A	TK01691	EL Die 19.5 x 13B
TK01631	EL Punch 20 x 10	TK01680	EL Die 20 x 10A	TK01692	EL Die 20 x 10B
TK01632	EL Punch 21 x 14	TK01681	EL Die 21 x 14A	TK01693	EL Die 21 x 14B

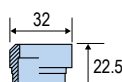
Round hole EL Punch		Round hole EL Die (Type A for thin sheets)		Round hole EL Die (Type B for thick sheets)		Round hole EL Die (Type C for channel iron)	
PN	Size	PN	Size	PN	Size	PN	Size
TK01606	EL Punch 6	TK01633	EL Die 6A	TK01648	EL Die 6B	-	-
TK01607	EL Punch 6.5	TK01634	EL Die 6.5A	TK01649	EL Die 6.5B	-	-
TK01608	EL Punch 8	TK01635	EL Die 8A	TK01650	EL Die 8B	-	-
TK01609	EL Punch 8.5	TK01636	EL Die 8.5A	TK01651	EL Die 8.5B	-	-
TK01610	EL Punch 10	TK01637	EL Die 10A	TK01652	EL Die 10B	TK01663	EL Die 10C
TK01611	EL Punch 11	TK01638	EL Die 11A	TK01653	EL Die 11B	TK01664	EL Die 11C
TK01612	EL Punch 12	TK01639	EL Die 12A	TK01654	EL Die 12B	TK01665	EL Die 12C
TK01613	EL Punch 13	TK01640	EL Die 13A	TK01655	EL Die 13B	TK01666	EL Die 13C
TK01614	EL Punch 14	TK01641	EL Die 14A	TK01656	EL Die 14B	TK01667	EL Die 14C
TK01615	EL Punch 15	TK01642	EL Die 15A	TK01657	EL Die 15B	TK01668	EL Die 15C
TK01616	EL Punch 16	TK01643	EL Die 16A	TK01658	EL Die 16B	TK01669	EL Die 16C
TK01617	EL Punch 17	TK01644	EL Die 17A	TK01659	EL Die 17B	-	-
TK01618	EL Punch 18	TK01645	EL Die 18A	TK01660	EL Die 18B	-	-
TK01619	EL Punch 18.5	TK01646	EL Die 18.5A	TK01661	EL Die 18.5B	-	-
TK01620	EL Punch 19	TK01647	EL Die 19A	TK01662	EL Die 19B	-	-



EL Punches



Front view of EL Dies Type A, B & C



Side face of EL Dies Type A, B & C

Sales Unit: 1 Piece

NITTO KOHKI Tools for Professional Use

	Chamfering	Scaling & Chipping	Grinding & Sanding	Flat Sanding
Machining & Molding	◎	●	●	●
Sheet-metal Working	●	●	●	●
Welding	●	◎	●	
Painting	●		●	
Steel Fabricating & Can Manufacturing	●	●	●	●
Molding & Die-casting	●	●	●	●
Bridges & Ship Building	●	●	●	●
Plant Construction & Piping		●	●	●
Wood Working & Art			●	●
Automotive & Painting	●	●	●	◎
Construction		◎	●	

◎ : Best Suited
● : Suited

HAND BEVELER



P25

AIR CHIPPER



P30

MYTON



P35 - 36

COMPACT MULTI SANDER



P41

MINI BEVELER



P25 - 27

AUTO CHISEL



P31

FREE SANDER



P42

CIRCUIT BEVELER



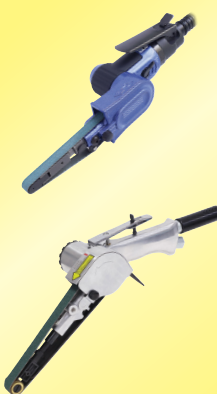
P27 - 28

SUPER KELEN



P32

BELTON



P37 - 40

LINE SANDER



P42

JET CHISEL



P33 - 34

ORBITAL SANDER



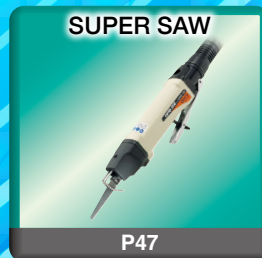
P43

PALM ORBITAL SANDER



P43

Precision Grinding	Filing	Deburring	Cutting	Drilling
				
				
				
				
				
				
				
				
				



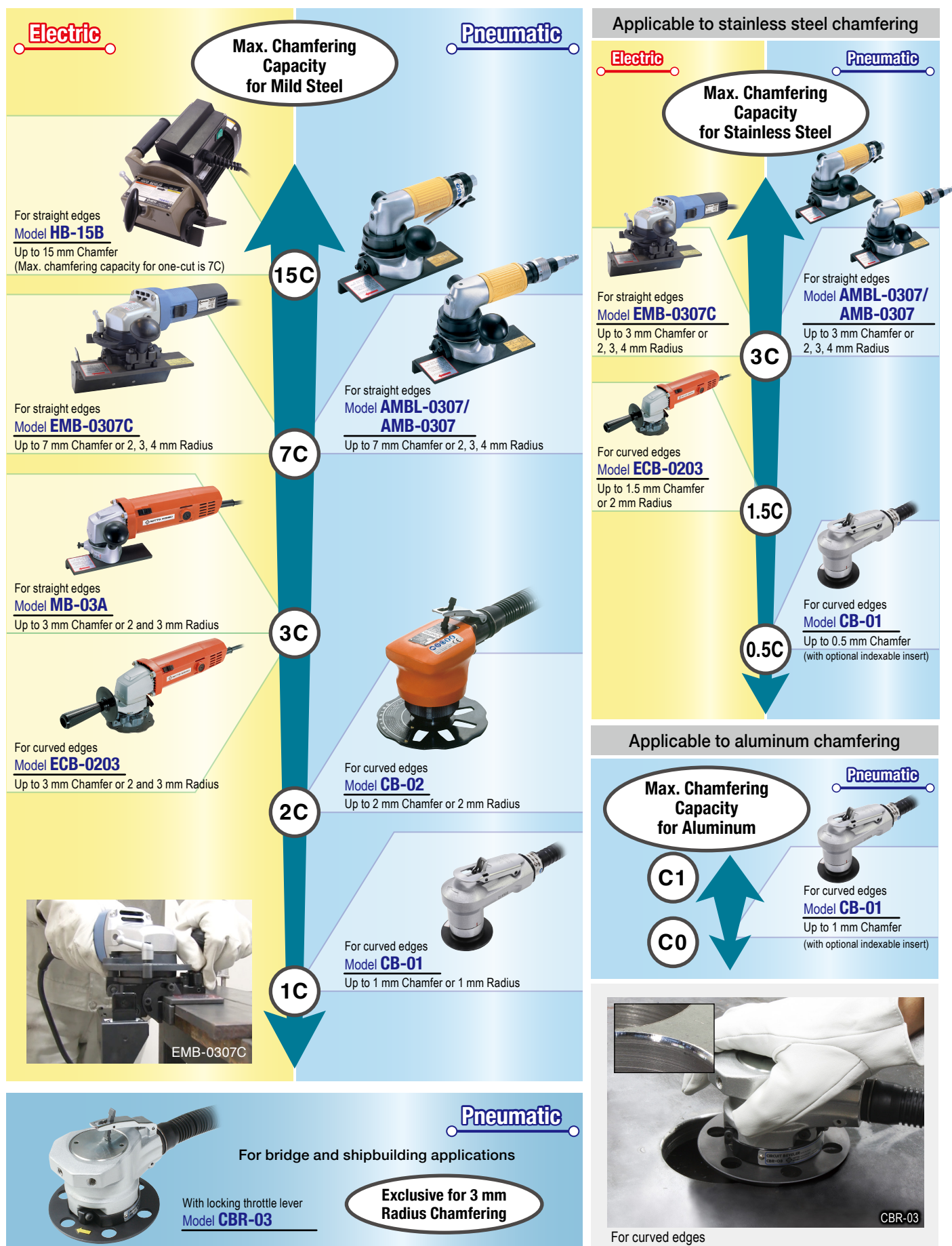
Description: Machine Oil ISO VG10
PN: TB11550-0



Before and after using air tools, please apply 5 to 6 drops of oil to the air inlet and operate it for a few seconds.

Guide for Selecting Portable Chamfering Tools

Select the model according to the conditions of chamfering capacity, electrical or pneumatic tool required, and materials to be chamfered.



CHAMFERING

HAND BEVELER Model **HB-15B** • Mild steel: 15C



MINI BEVELER Model **EMB-0307C** • Mild steel: 7C, 4R • Stainless steel: 3C, 4R



MINI BEVELER Model **MB-03A** • Mild steel: 3C, 3R



CIRCUIT BEVELER Model **ECB-0203** • Mild steel: 3C, 3R • Stainless steel: 1.5C, 2R



For further information,
see the following pages.

P25 for Model HB-15B
P25 for Model EMB-0307C
P26 for Model MB-03A
P26 for Model ECB-0203

Specifications		ELECTRIC			
Model		HB-15B	EMB-0307C	MB-03A	ECB-0203
Power Source (Single Phase)		220 - 240 V AC 50/60 Hz 110 - 120 V AC 50/60 Hz	230 V AC 50/60 Hz 115 V AC 50/60 Hz	220 - 240 V AC 50/60 Hz	220 - 240 V AC 50/60 Hz
Rated Power Consumption	W	910	900	430	450
Duty Cycle	min	Continuous	30	30	
No-load Speed	min ⁻¹ (rpm)	2750 (220 - 240 V) 3340 (110 - 120 V)	12700 (220 - 240 V) 13300 (110 - 120 V)	11000	10000
Chamfering Capacity	Mild Steel	Up to 15 mm Chamfer (Initial chamfer is 7 mm.)	Up to 7 mm Chamfer 2, 3, 4 mm Radius	Up to 3 mm Chamfer 2 and 3 mm Radius	
	Stainless Steel	-	Up to 3 mm Chamfer 2, 3, 4 mm Radius	-	Up to 1.5 mm Chamfer 2 mm Radius
Chamfer Angle		15° - 45°		45°	
Mass (Weight)	kg	15.0	3.9	2.5	
Optional Accessories		• TA9A728 Pipe Plate Ass'y for Pipe Outer Edge Beveling (Pipe O.D. 125 to 800 mm) 	• TB02539 Attachment for Pipe Outer Edge Beveling (Pipe O.D. 80 to 200 mm) *Pipe O.D. more than 200 mm can be chamfered with the standard accessory. 	• TA9A594 Inner Head Ass'y for Pipe Inner Edge Beveling (Minimum Inner Pipe Diameter : 100 mm) 	• TB03097 Plate Ass'y for Straight Edge Beveling  • TB02862 Dust Box Ass'y Used with TB03097 Plate Ass'y  • TB02857 Guide Sleeve 24 mm Dia. Ass'y 

MINI BEVELER Model **AMBL-0307 (Lever)** Model **AMB-0307 (Ring)** • Mild steel: 7C, 4R • Stainless steel: 3C, 4R



CIRCUIT BEVELER Model **CB-01** • Mild steel: 1C, 1R • Stainless steel: 0.5C* • Aluminum: 1C*



CIRCUIT BEVELER Model **CB-02** • Mild steel: 2C, 2R



CIRCUIT BEVELER Model **CBR-03** • Mild steel: 3R



For further information,
see the following pages.

P27 for Model AMBL-0307/AMB-0307
P27 for Model CB-01
P28 for Model CB-02
P28 for Model CBR-03

Specifications		PNEUMATIC			
Model		AMBL-0307/AMB-0307	CB-01	CB-02	CBR-03
Air Pressure	MPa (kgf/cm ²)	0.6 (6)			
Air Consumption (No Load)	m ³ /min	0.9	0.15	0.40	0.65
Free Speed	min ⁻¹ (rpm)	14000	28000	15000	12000
Chamfering Capacity	Mild Steel	Up to 7 mm Chamfer 2, 3, 4 mm Radius	Up to 1 mm Chamfer 1 mm Radius	Up to 2 mm Chamfer 2 mm Radius	3 mm Radius
	Stainless Steel	Up to 3 mm Chamfer 2, 3, 4 mm Radius	Up to 0.5 mm Chamfer *	-	-
	Aluminum	-	Up to 1 mm Chamfer *	-	-
Chamfer Angle		15° - 45°		45°	
Mass (Weight)	kg	2.9	0.5	1.8	2
Optional Accessories		• TB02539 Attachment for Pipe Outer Edge Beveling (Pipe O.D. 80 to 200 mm) 	• TB09143 Plate Ass'y for Straight Edge Beveling  • TB09140 Guide Plate 78 Ass'y for More Stable Operation 	• TB02437 Thin Plate Attachment Ass'y (Minimum thickness 1.2 mm) 	-

For further information of optional Beveler accessories, see P29.

*With optional indexable insert

CHAMFERING

Portable Chamfering Tools

HAND BEVELER

Model **HB-15B**

110-120 V : 
220-240 V : Non-CE



YouTube



15C
Mild Steel



Chamfering steel plates



Chamfering I-beams

Chamfering up to 15C

- Ideal for plate, pipe, and tube chamfering for welding preparation
- Chamfer width up to 15 mm at 45° angle using multiple passes
- Indexable inserts have four working edges for good economy
- Finishes a surface so fine that post-sanding is unnecessary
- Column R-section can be chamfered with optional attachment
- High speed cutting action minimizes material hardening

Specifications

Model	HB-15B	
Power Source (Single Phase)	110 - 120 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz
Rated Power Consumption	W	
Rated Current	A	
Duty Cycle	min	
No-load Speed	min ⁻¹ (rpm)	
Chamfering Capacity (Mild Steel)	Up to 15 mm Chamfer *	
Chamfer Angle	15° - 45°	
Power Cord Length	m	
Mass (Weight)	kg	
Installed Indexable Insert	12 pieces of Indexable Insert 12.7	

*Max. Chamfering Capacity for one - cut is 7C

Accessories Included

- 12 pieces of Indexable Insert 12.7 (Installed)
- 12 pieces of Indexable Insert 12.7
- 4 mm Hex. Socket Screw Key
- 5 mm Hex. Socket Screw Key
- 6 mm Hex. Socket Screw Key
- 24 x 27 mm Spanner
- Hook Spanner 25 - 28
- 3 mm T Wrench
- Roller Bracket Ass'y
- Spacer A
- Spacer B
- Plate B

Chamfer Angle and Width

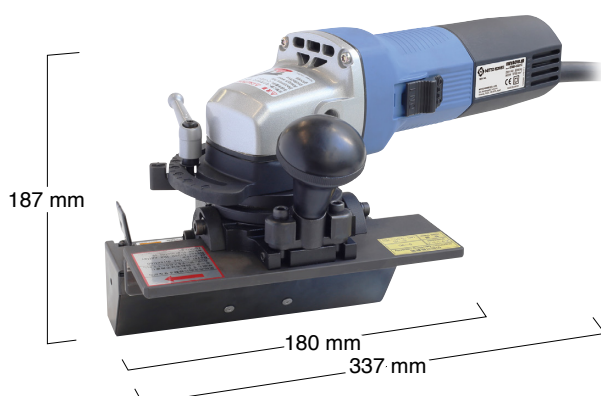
Chamfer Angle α	Mild Steel(mm)		Chamfer	X	Y	Straight
	X	Y				
45°	15	15				
30°	9	15.5				
15°	4	15.4				

Handy Electric Chamfering Tool

MINI BEVELER

Model **EMB-0307C** 

 Double insulation



7C
4R
Mild Steel

3C
4R
Stainless Steel

Designed to chamfer stainless and mild steel

- Ideal for edge chamfering pipe, tube, and plate
- Adjustable to chamfer angles from 15° to 45°
- Chamfer width up to 7 mm on mild steel.
- Uses indexable carbide inserts
- Swarf and chip collection box included

Specifications

Model	EMB-0307C	
Power Source (Single Phase)	115 V AC, 50/60 Hz	230 V AC, 50/60 Hz
Rated Power Consumption	W	
Rated Current	A	
Duty Cycle	min	
No-load Speed	min ⁻¹ (rpm)	
Chamfering Capacity	Mild Steel	Up to 7 mm Chamfer or 2, 3, 4 mm Radius
	Stainless Steel	Up to 3 mm Chamfer or 2, 3, 4 mm Radius
Chamfer Angle	15° - 45°	
Power Cord Length	m	
Mass (Weight)	kg	
Installed Indexable Insert	Indexable Insert with Hole 12.7	

*115 V available on request.

Accessories Included

- Indexable Insert with Hole 12.7 (Installed)
- Indexable Insert Set Screw 4 x 7 (Installed)
- Indexable Insert with Hole 12.7
- Indexable Insert Set Screw 4 x 7
- Dust Box Ass'y
- Carbon Brush Ass'y
- 2 pieces of Hex. Nut M8
- 2 pieces of Hex. Socket Set Screw 8 x 25
- 3 pieces of Pan Head Screw 5 x 10
- 4 mm Hex. Socket Screw Key
- Spanner T-15D

Chamfer Angle, Width and Radius

Chamfer Angle α	Mild Steel(mm)			Stainless Steel(mm)			Chamfer	X	Y	Z	Straight	Radius	Round
	X	Y	Z	X	Y	Z							
45°	7	7	9.9	3	3	4.2							
30°	3.8	6.6	7.6	2.2	3.8	4.4							
15°	1.5	5.6	5.8	1	3.8	3.9							

CHAMFERING

Handy Electric Chamfering Tool

MINI BEVELER

Model **MB-03A** Non-CE

 Double insulation



3C

3R

Mild Steel

Compact and light for speed chamfering

- An outer R-part attachment allows chamfering of outer diameters with a radius greater than 170 mm
- An optional Inner Head Ass'y allows chamfering a pipe of inner diameter larger than 100 mm (50R)

Specifications

Model	MB-03A
Power Source (Single Phase)	230 V AC, 50/60 Hz
Rated Power Consumption	W 430
Rated Current	A 2
Duty Cycle	min 30
No-load Speed	min ⁻¹ (rpm) 11000
Chamfering Capacity (Mild Steel)	Up to 3 mm Chamfer or 2 mm and 3 mm Radius
Chamfer Angle	45°
Power Cord Length	m 2.5
Mass (Weight)	kg 2.5
Installed Indexable Insert	Indexable Insert 9.525 R2

Accessories Included

- Indexable Insert 9.525 R2 (Installed)
- Indexable Insert 9.525
- 3 mm Hex. Socket Screw Key
- 4 mm Hex. Socket Screw Key
- Spanner T-9D
- Hex. Nut
- 2 pieces of Hex. Socket Set Screw 8 x 25

Chamfer Angle, Width and Radius

Mild Steel(mm)	Chamfer	Radius	Mild Steel(mm)	Radius
X Y	45°		2, 3	
3 3				

Electric Radial Chamfering Tool

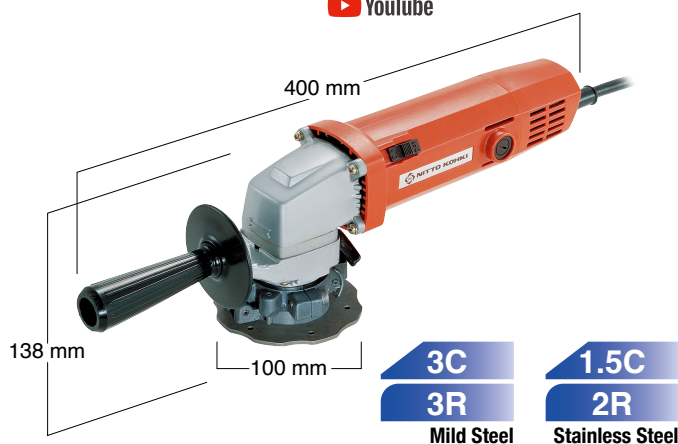
CIRCUIT BEVELER

Model **ECB-0203** 

 Double insulation



 YouTube



3C

3R

Mild Steel

1.5C

2R

Stainless Steel

Smoothly chamfering straight and curved edges

- Designed to chamfer stainless and mild steel
- Minimum chamfering plate thickness is 2 mm (Max. 0.5 mm Chamfer)
- Indexable inserts have four working edges for good economy
- An optional Straight Plate allows chamfering a straight edge shoulder

Specifications

Model	ECB-0203
Power Source (Single Phase)	220 - 240 V AC, 50/60 Hz
Rated Power Consumption	W 450
Rated Current	A 2.1
Duty Cycle	min 30
No-load Speed	min ⁻¹ (rpm) 11000
Chamfering Capacity	Mild Steel Up to 3 mm Chamfer or 2* and 3 mm Radius
	Stainless Steel Up to 1.5 mm Chamfer or 2* mm Radius
Chamfer Angle	45°
Power Cord Length	m 2.5
Mass (Weight)	kg 2.5
Installed Indexable Insert	Indexable Insert with Hole 12.7

*In case of 3 mm Radius, an optional indexable Insert for 3R is necessary, and 2 mm Radius, an optional guide sleeve 24 mm dia. and indexable insert for 2R are necessary.

Accessories Included

- Indexable Insert with Hole 12.7 (Installed)
- Indexable Insert Set Screw 4 x 7 (Installed)
- Indexable Insert with Hole 12.7
- Indexable Insert Set Screw 4 x 7
- Sub Handle
- Grip Guard
- Ball Bearing 687zz
- 5 mm Hex. Socket Screw Key
- 8 x 10 mm Spanner
- Spanner T-15D
- Gauge C3

Chamfer Angle, Width and Radius

Mild Steel(mm)	Stainless Steel(mm)	Chamfer	Radius	Mild Steel (mm)	Stainless Steel (mm)	Radius
X Y	X Y	45°		2, 3	2	
3 3	1.5 1.5					

Chamfering range of operation

Min. Diameter	Min. Radius	Min. Depth	Min. Thickness

Chamfering straight edges

Chamfering curved edges

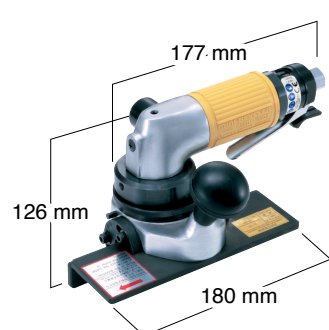
CHAMFERING

Pneumatic Chamfering Tool

MINI BEVELER

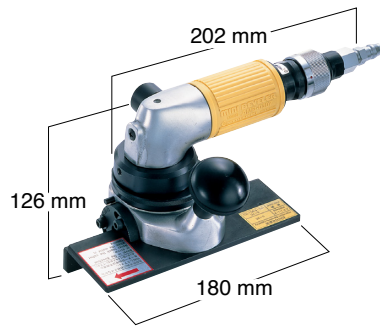
Model **AMBL-0307** 

• Lever switch type



Model **AMB-0307** Non-CE

• Ring switch type



7C
4R
Mild Steel

3C
4R
Stainless Steel

Ideal for chamfering plate, pipe, tube and other profiles

- Lightweight design for portable edge chamfering applications
- Designed to chamfer stainless and carbon steels
- Adjustable to chamfer angles from 15° to 45°
- 300 mm minimum radius bend
- Chamfer width up to 7 mm at 45°
- Uses indexable carbide inserts

Specifications

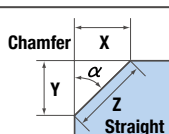
Model		AMBL-0307 / AMB-0307
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.9
Free Speed	min ⁻¹ (rpm)	14000
Chamfering Capacity	Mild Steel	Up to 7 mm Chamfer or 2, 3, 4 mm Radius
	Stainless Steel	Up to 3 mm Chamfer or 2, 3, 4 mm Radius
Chamfer Angle		15° - 45°
Air Inlet Size		Rc 3/8
Mass (Weight)	kg	2.9
Installed Indexable Insert		Indexable Insert with Hole 12.7

Accessories Included

- Indexable Insert with Hole 12.7 (Installed)
- Indexable Insert Set Screw 4 x 7 (Installed)
- Indexable Insert with Hole 12.7
- Indexable Insert Set Screw 4 x 7
- Knob
- 2 pieces of Hex. Socket Set Screw 8 x 25
- 2 pieces of Hex. Nut M8
- 3 mm Hex. Socket Screw Key
- 4 mm Hex. Socket Screw Key
- Spanner T-15F
- Bushing R 3/8 x NPT 3/8

Chamfer Angle, Width and Radius

Chamfer Angle α	Mild Steel(mm)			Stainless Steel(mm)		
	X	Y	Z	X	Y	Z
45°	7	7	9.9	3	3	4.2
30°	4	7	8.1	2.2	3.8	4.4
15°	2.2	8	8.3	1	3.8	3.9



	Mild Steel(mm)	Stainless Steel(mm)
Radius	2, 3, 4	2, 3, 4

Pneumatic Radial Chamfering Tool

CIRCUIT BEVELER

Model **CB-01** 



YouTube



1C
1R
Aluminum*

1C
1R
Mild Steel

0.5C
1R
Stainless Steel*

Ideally suited for chamfering machine and mold component parts

- Only requires a 6.8 mm diameter hole for chamfering
- Two 3-sided indexable inserts provide a cost effective way to get a smooth, chatter free finish
- Aluminum and stainless steel can also be processed with optional indexable insert

Specifications

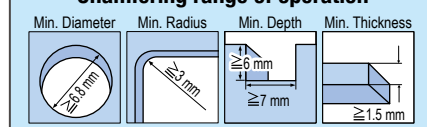
Model		CB-01
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.15
Free Speed	min ⁻¹ (rpm)	28000
Chamfering Capacity	Mild Steel	Up to 1 mm Chamfer or 1 mm Radius
	Stainless Steel*	Up to 0.5 mm Chamfer
	Aluminum*	Up to 1 mm Chamfer
Chamfer Angle		45°
Minimum Workpiece Thickness	mm	1.5 (0.5 mm Chamfer)
Air Inlet Size		Rc 1/4
Mass (Weight)	kg	0.5
Installed Indexable Insert		2 pieces of Indexable Insert 8.4

*Optional indexable insert is required.

Accessories Included

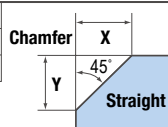
- 2 pieces of Indexable Insert 8.4 (Installed)
- 2 pieces of Indexable Insert Set Screw (Installed)
- 2 pieces of Indexable Insert Set Screw
- 2 mm Hex. Socket Screw Key for Chamfering Adjustments
- Spanner T-6F for Replacement of Indexable Insert
- Bushing R 1/4 x NPT 1/4

Chamfering range of operation



Chamfer Angle and Width

Mild Steel(mm)		Stainless Steel(mm)		Aluminum(mm)	
X	Y	X	Y	X	Y
1	1	0.5	0.5	1	1



	Mild Steel(mm)
Radius	1

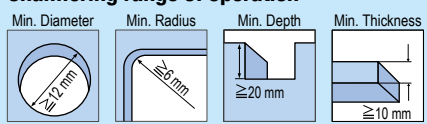
Pneumatic Radial Chamfering Tool

CIRCUIT BEVELER

Model CB-02



Chamfering range of operation



Specifications

Specifications		CB-02
Model		
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.40
Free Speed	min ⁻¹ (rpm)	15000
Chamfering Capacity		Up to 2 mm Chamfer or 2 mm Radius
Chamfer Angle		45°
Air Inlet Size		Rc 1/4
Mass (Weight)	kg	1.8
Installed Indexable Insert		Indexable Insert 9.525

Accessories Included

- Indexable Insert 9.525 (Installed)
- Indexable Insert 9.525
- Adjustment Gauge
- Spanner T-9D
- Protective Cap
- Hook Spanner 58-65
- Bushing R 1/4 x NPT 1/4

Chamfer Angle, Width and Radius

Mild Steel(mm)			Mild Steel(mm)		
X	Y		Radius	2	
2	2				

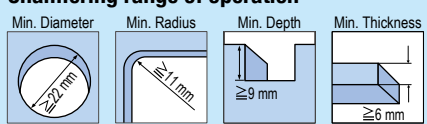
Pneumatic Radial Chamfering Tool

CIRCUIT BEVELER

Model CBR-03 



Chamfering range of operation



Specifications

Model	CBR-03
Air Pressure MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load) m ³ /min	0.65
Free Speed min ⁻¹ (rpm)	12000
Chamfering Capacity	3 mm Radius
Minimum Workpiece Thickness mm	6
Air Inlet Size	Rc 1/4
Mass (Weight) kg	2
Installed Indexable Insert	2 pieces of Indexable Insert 12.7 R3

Accessories Included

- 2 pieces of Indexable Insert 12.7 R3 (Installed)
- 2 pieces of Indexable Insert Set Screw (Installed)
- Indexable Insert Set Screw
- Spanner T-15D
- Handle

Chamfer Angle and Width

	Mild Steel(mm)
Radius	3

The diagram shows a blue-shaded rounded corner. A horizontal line and a vertical line meet at the corner. A curved line with an arrow pointing to it is labeled "Radius". The word "Round" is written next to the corner.

For bridge and shipbuilding applications

Bridge

- Radius chamfering on the scallop parts or holes of bridge members

Shipbuilding

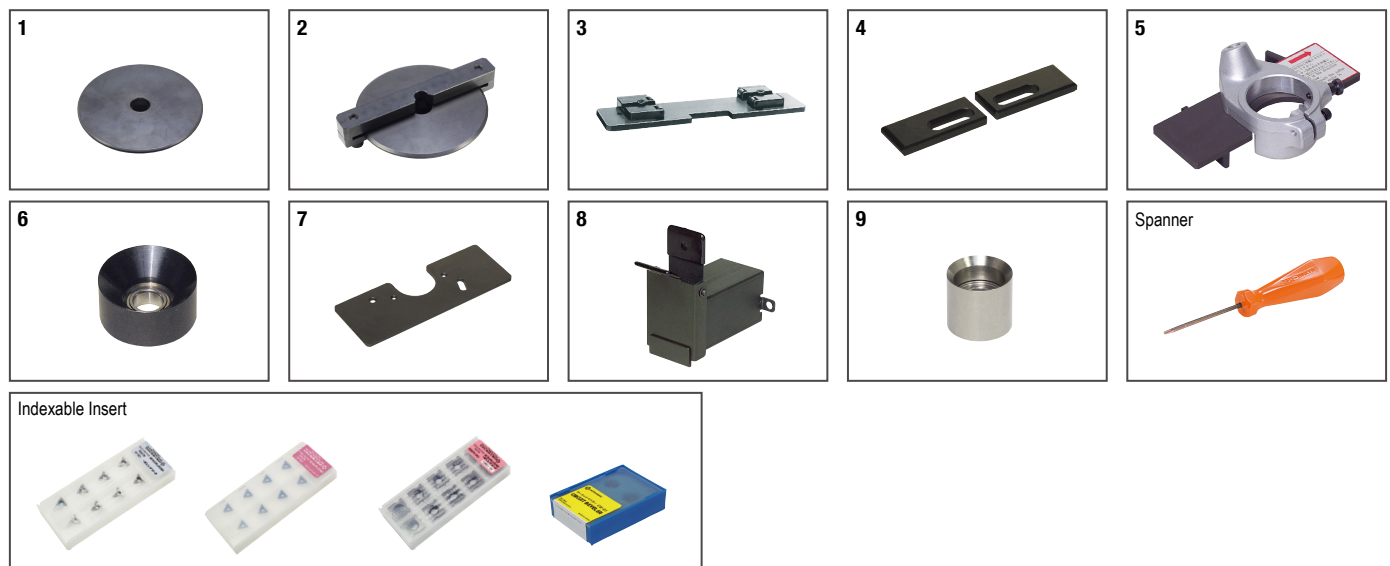
- Meets or exceeds PSPC* requirements on surface preparation of steel materials prior to coating
- Radius chamfering on steel materials used in seawater ballast tanks and double-side skin bulk carrier production
- Dual cutting head with 4 radius surfaces per tip and a quick-change base

*PSPC stands for Performance Standard for Protective Coatings regulated by International Marine Organization.

Optional Beveler Accessories

Ref. No.	PN	Description	Sales Unit	HB-15B	EMB-0307C AMBL-0307 AMB-0307	MB-03A	ECB-0203	CB-01	CB-02	CBR-03
-	TB11074	Indexable Insert 8.4 for Mild Steel	10 pcs./set					●		
-	TB11076	Indexable Insert 8.4 for Stainless Steel	10 pcs./set					●		
-	TB11075	Indexable Insert 8.4 for Aluminum	4 pcs./set					●		
-	TB10656	Indexable Insert 8.4 R1	4 pcs./set					●		
-	TB11068	Indexable Insert 12.7	12 pcs./set	●						
-	TB11069	Indexable Insert 12.7 with Hole	10 pcs./set		●		●			
-	TB11070	Indexable Insert 12.7 R2	10 pcs./set		●		●			
-	TB11071	Indexable Insert 12.7 R3	10 pcs./set		●		●			
-	TB11072	Indexable Insert 12.7 R4	10 pcs./set		●					
-	TB11073	Indexable Insert 12.7 R3	10 pcs./set							●
-	TB11064	Indexable Insert 9.525	10 pcs./set			●			●	
-	TB11065	Indexable Insert 9.525 R2	10 pcs./set			●			●	
-	TB11066	Indexable Insert 9.525 R3	10 pcs./set			●				
1	TB09140	Guide Plate 78 Ass'y for More Stable Operation	1 set					●		
2	TB09143	Plate Ass'y for Straight Edge Use	1 set					●		
3	TA9A728	Pipe and tube Beveling Attachment	1 set	●						
4	TB02539	Attachment for Small Dia. Pipe	1 set		●					
5	TA9A594	Inner Head Ass'y	1 set			●				
6	TB02857	Guide sleeve 24 mm dia. Ass'y	1 set				●			
7	TB03097	Plate Ass'y for Straight Line Use	1 set				●			
8	TB02862	Dust Box Ass'y	1 set				●			
9	TB02437	Thin Plate Attachment Ass'y (Minimum thickness 1.2 mm)	1 set						●	
-	TB03424	Spanner T-9D	1 piece			●			●	
-	TQ01683	Spanner T-15D	1 piece		●		●			

Ref. No.2: Requires use of TB09140 Guide Plate 78 Ass'y Ref. No.3: Capacity 125 to 800 mm O.D. Ref. No.4: Capacity 80 to 200 mm O.D. Ref. No.5: Capacity Minimum 100 mm I.D.
Ref. No.6: For chamfering R2 Ref. No.7: Used with Plate Ass'y for Straight Line Use Ref. No.8: Used with Plate Ass'y for Straight Line Use



TB09140 Guide Plate 78 Ass'y for More Stable Operation



TB09143 Plate Ass'y for Straight Edge Use

SCALING

Pneumatic Chipping Hammer

AIR CHIPPER

Removes weld spatter quickly and easily

- Ideal tool for quickly and efficiently removing weld spatter, rust and other debris from most surfaces
- Compact, heavy-duty construction for tough industrial applications
- Easy one-touch chisel installation and removal – NO tools required
- Idle protection system, helps prevent accidental start-up “ACH-16” only

Model **ACH-16** 



Model **CH-24** 



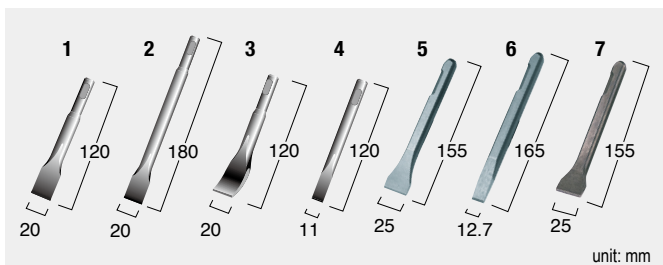
Specifications		ACH-16	CH-24
Model			
Air Pressure	MPa (kgf/cm ²)	0.6 (6)	
Air Consumption (No-load)	m ³ /min	0.15	0.20
Strokes per Minute	min ⁻¹	6000	4000
Shank Size	mm	10.5 Round	12.7 Square
Air Inlet Size		Rc 3/8	
Mass (Weight)	kg	0.9	1.7
Accessories Included		• TQ03431 Flat Chisel (Installed) • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8	• TP15166 Curved Flat Chisel (Installed) • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8

Optional Chisels for Air Chipper ACH-16

Ref. No.	PN	Description	Sales Unit
1	TQ03431	Flat Chisel 20 x 120	1 piece
2	TQ03452	Flat Chisel 20 x 180	
3	TQ03453	Curved Flat Chisel 20 x 120	
4	TQ03549	Flat Chisel 11 x 120	

Optional Chisels for Air Chipper CH-24

Ref. No.	PN	Description	Sales Unit
5	TP15233	Flat Chisel 25 x 155	1 piece
6	TP15234	Straight Flat Chisel 12.7 x 165	
7	TP15166	Curved Flat Chisel 25 x 155	



Air Hammer

AUTO CHISEL

Model **A-300** 



A special spool valve inside grip assures excellent durability

- Designed for speeding up the repair and sheet metal work of automobiles, etc.
- Enables hammering work in narrow spaces
- Durable and powerful action
- Fast and easy chisel change to reduce downtime
- A wide variety of chisels available

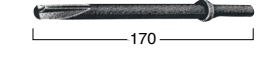
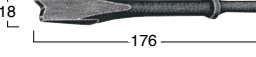
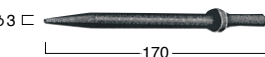
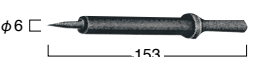
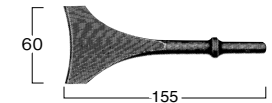
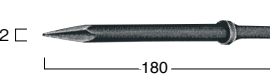
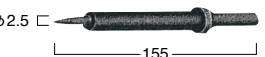
Specifications

Model	A-300	
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.3
Strokes per Minute	min ⁻¹	2600
Shank Size	mm	10
Air Inlet Size		Rc 1/4
Mass (Weight)	kg	1.7
Accessories Included	• Bushing R 1/4 x NPT 1/4 • Hose Nipple R 1/4 x 1/4	

*Chisels are not included as standard.

Optional Chisels

*An order is available from one piece.

PN: TP00572 Blank Chisel No.1001  170 For a variety of sheet metal work, bending, and rivet closing jobs	PN: TP00573 Flat Chisel No.1002  177 Puts increased efficiency into scraping, peeling spot welds, and cutting off bolts and pins	PN: TP04606 Sheet Metal Chisel A No.1003  165 Cuts shapes in sheet metal fast	PN: TP00575 Sheet Metal Chisel B No.1004  176 Just the chisel for cutting off sheet metal body panel
PN: TP00576 Silencer Cutting Chisel No.1005  180 A quick cut-off chisel for muffler piping	PN: TP00577 Rubber Bushing Remover No.1006  170 Helps you remove idle arm sleeves and bushings in record time	PN: TP00578 Spot Weld Booster No.1007  176 Ideal for peeling off spot welded points and cutting off pins	PN: TP00579 Bushing Tool No.1008  133 Puts speed and ease into the job of bushing insertion
PN: TP00580 Punch No.1009  170 For driving out pins and rivets, and fitting and removing bearings and races	PN: TP00581 Bushing Removing Tool No.1010  153 A faster servicing aid in removing bushings	PN: TP00582 Sheet Metal Punch No.1011  153 Opens holes for bolts and rivets	PN: TP00583 20 mm Bending Chisel No.1012  177 Helps you in peening and removing slag around welds
PN: TP00584 * Fork Chisel 24 No.1013  170 Disconnecting tie rod ends and ball joints	PN: TP00586 * Fork Chisel 35 No.1016  180 Disconnecting tie rod ends and ball joints	PN: TP00585 * Fork Chisel 15 No.1017  165 Disconnecting tie rod ends and ball joints	PN: TP00589 38 mm Scraper No.1018  151 Peeling paint & removing rust from iron plate
PN: TP00590 60 mm Scraper No.1019  155 Peeling paint & removing rust from iron plate	PN: TP00591 60 mm Concave Scraper No.1020  155 Removing incrustation from pipe	PN: TP04995 Sheet Metal Chisel C No.1023  165 Cuts shapes in sheet metal fast	PN: TP05244 Molpoint Chisel No.1024  180 Breaking-up concrete, removing sand from castings
PN: TP05775 Rivet Removing Punch No.1025  155 Removing rivets from brake lining of heavy duty cars	PN: TP05801 Rivet Caulking Chisel No.1026  155 Caulking brake lining of heavy duty cars	PN: TQ02662 Fork Chisel Spring  Mount this part when using Fork Chisel 24, Fork Chisel 35 or Fork Chisel 15.	*Fork Chisel Spring must be mounted in order to use Fork Chisel 24, Fork Chisel 35 or Fork Chisel 15.

SCALING

Pneumatic Scaler

SUPER KELEN

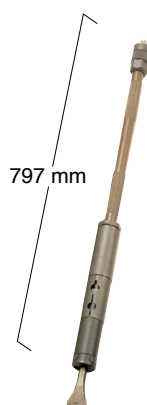
Industrial and shipboard pneumatic scalers

- Quickly and efficiently removes rust, scale, paint, tar and concrete from most surfaces
- Ideal for industrial, maritime and shipboard cleaning and descaling operations
- Idle protection system, tool will not activate unless contacting work surface
- S-1000 – over 1.3 m in length for extended reach applications and operator convenience
- Tool-less chisel installation and removal

Model **S-250** Non-CE



Model **S-500** Non-CE



Model **S-1000** Non-CE

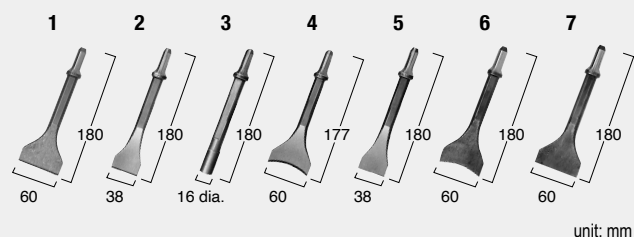


Specifications		S-250	S-500	S-1000
Model				
Air Pressure	MPa (kgf/cm ²)		0.6 (6)	
Air Consumption (No-load)	m ³ /min		0.27	
Strokes per Minute	min ⁻¹		2500	
Shank Size	mm		12.7	
Air Inlet Size			Rc 1/4	
Mass (Weight)	kg	4.1	4.7	6.1
Accessories Included		• No.2005 38 mm Bend Scraper (Installed) • Hose Lock Nut M16 • Hose Nipple 3/8		



Optional Chisels

Ref. No.	PN	Description	Sales Unit
1	TP03645	No.2001 60 mm Scraper	1 piece
2	TP03646	No.2002 38 mm Scraper	
3	TP03647	No.2003 Blank Chisel	
4	TP04010	No.2004 60 mm Concave Scraper	
5	TP04552	No.2005 38 mm Bend Scraper	
6	TP04553	No.2006 60 mm Concave Bend Scraper	
7	TP04554	No.2007 60 mm Bend Scraper	



Needle Scaler

JET CHISEL

Powerful scaling with multi-needles

- Quickly and efficiently removes weld slag, rust, paint and scale from most surfaces
- Ideal for cleaning and descaling steel, bridgework, castings, brick, stone and many other materials
- Heavy-duty construction for industrial and maritime applications
- Proven superior design features with no internal spring components ensure trouble-free performance (JEX-2800A and JEX-20 have balancing springs)

Model JC-16

- Lightweight model



Model JEX-24

- Universal model



Model JEX-28

- Heavy-duty model



Model JEX-2800A

- Reduced vibration model



Specifications

Model	JC-16	JEX-24	JEX-28	JEX-2800A
Air Pressure MPa (kgf/cm ²)			0.6 (6)	
Air Consumption (No-load) m ³ /min	0.15	0.27	0.35	0.43
Strokes per Minute min ⁻¹	4000	4000	4500	3700
Air Inlet Size			Rc 3/8	
Mass (Weight) kg	1.4	2.7	3.5	3.3
Accessories Included	• 29 pieces of 2 mm x 150 mm Needles (Installed) • 29 pieces of 2 mm x 150 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8	• 23 pieces of 3 mm x 180 mm Needles (Installed) • 6 mm Hex. Socket Screw Key • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8	• 28 pieces of 3 mm x 180 mm Needles (Installed) • 14 pieces of 4 mm x 180 mm Needles • Needle supporter 4 mm • 6 mm Hex. Socket Screw Key • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8	• 28 pieces of 3 mm x 180 mm Needles (Installed) • 14 pieces of 4 mm x 180 mm Needles • Needle supporter 4 mm • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8

NEW

Model AJC-16

- Slim model



Model JT-10

- Small and lightweight model



YouTube



Model JT-16

- Small and lightweight model



YouTube



Model JT-20

- Medium duty model



YouTube



Model JEX-20

- Reduced vibration model



Specifications

Model	AJC-16	JT-10	JT-16	JT-20	JEX-20
Air Pressure MPa (kgf/cm ²)			0.6 (6)		
Air Consumption (No-load) m ³ /min	0.07	0.10	0.16	0.20	0.20
Strokes per Minute min ⁻¹	6000	5500	6000	4000	4000
Air Inlet Size			Rc 3/8		
Mass (Weight) kg	0.98	0.50	0.80	2.40	2.75
Accessories Included	• 3 pieces of 3 mm x 180 mm Needles (Installed) • 3 pieces of 3 mm x 180 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8	• 7 pieces of 1.6 mm x 120 mm Steel Needles (Installed) • 7 pieces of 1.6 mm x 120 mm Steel Needles • Air Hose E Ass'y • Bushing R 1/4 x NPT 1/4	• 6 pieces of 3 mm x 180 mm Needles (Installed) • 6 pieces of 3 mm x 180 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8	• 12 pieces of 3 mm x 180 mm Needles (Installed) • 12 pieces of 3 mm x 180 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8	• 12 pieces of 3 mm x 180 mm Needles (Installed) • 12 pieces of 3 mm x 180 mm Needles • Bushing R 3/8 x NPT 3/8 • Hose Nipple R 3/8 x 3/8

SCALING

Electric Needle Scaler

JET CHISEL

Model **EJC-32A** 



Powerful 300 watt double insulated motor

- Extended length, slim barrel design
- Adjustable front handle for operator comfort and convenience

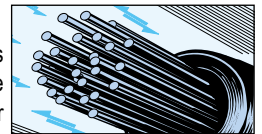
Specifications

Model	EJC-32A	
Power Source (Single Phase)	110 - 120 V AC, 50/60 Hz	220 - 240 V AC, 50/60 Hz
Rated Power Consumption	W	300
Rated Current	A	2.8
Duty Cycle	min	30
Strokes per Minute	min ⁻¹	3000
Power Cord Length	m	5
Mass (Weight)	kg	4.5



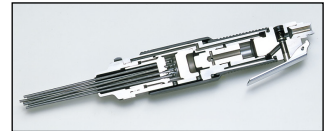
Shot Peening Effect

Reinforcement of a welded part with the shot peening effect increases strength by imparting residual stress to the surface of the workpiece through the high speed impact of the needles. Highly suitable for effective reinforcement of deteriorated welded parts.



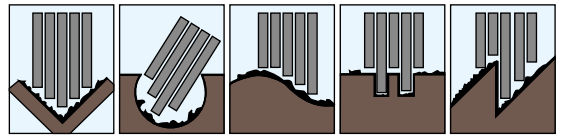
Full Automatic System - Excludes EJC-32A

The only unit of its kind on the market without springs. This means no springs to break...no irregular power... and the advantage of low air consumption.



Self-Adjusting Needles

The needles automatically adjust to any surface contour. They get deep into corners, reach into uneven surfaces, and conform to all types of shapes, making it a tool no shop should be without.



Combination of Needle and Needle Supporter		Model									
		JC-16	JEX-24	JEX-28	JEX-2800A	JT-10	AJC-16	JT-16	JT-20	JEX-20	EJC-32A
1.6 mm	Number of Needles Required	-	-	-	-	7 pcs.	-	-	-	-	-
	Needle Supporter PN	-	-	-	-	TQ15496	-	-	-	-	-
2 mm	Number of Needles Required	29 pcs.	53 pcs.	66 pcs.	66 pcs.	-	7 pcs.	15 pcs.	29 pcs.	29 pcs.	32 pcs.
	Needle Supporter PN	TP00290	TP02244	TP01499	TP01499	-	TQ05210	TQ15316	TP00338	TP00338	TP16475
3 mm	Number of Needles Required	-	23 pcs.	28 pcs.	28 pcs.	-	3 pcs.	6 pcs.	12 pcs.	12 pcs.	15 pcs.
	Needle Supporter PN	-	TP02245	TP01461	TP01461	-	TQ04554	TQ15315	TP00337	TP00337	TP16301
4 mm	Number of Needles Required	-	-	14 pcs.	14 pcs.	-	-	-	-	-	-
	Needle Supporter PN	-	-	TP01462	TP01462	-	-	-	-	-	-

Material	Needle		PN	Sales Unit	Model									
	Diameter	Length			JC-16	JEX-24	JEX-28	JEX-2800A	JT-10	AJC-16	JT-16	JT-20	JEX-20	EJC-32A
Steel	1.6 mm	120 mm	TB10658	50 pcs./set					●					
	2 mm	150 mm	TB11053	100 pcs./set	●	●	●	●		●	●	●	●	●
		180 mm	TB11054	100 pcs./set	●	●	●	●		●	●	●	●	●
		300 mm	TB11057	50 pcs./set	●	●	●	●		●	●	●	●	●
		500 mm	TB11060	50 pcs./set	●	●	●	●		●	●	●	●	●
	3 mm	180 mm	TB11055	100 pcs./set		●	●	●		●	●	●	●	●
		300 mm	TB11058	50 pcs./set		●	●	●		●	●	●	●	●
		500 mm	TB11061	50 pcs./set		●	●	●		●	●	●	●	●
		800 mm	TB11063	50 pcs./set		●	●	●		●	●	●	●	●
	4 mm	180 mm	TB11056	50 pcs./set			●	●						
		300 mm	TB11059	50 pcs./set			●	●						
		500 mm	TB11062	50 pcs./set			●	●						
NEW Stainless Steel	1.6mm	120 mm	TB11516	25 pcs./set					●					
		120 mm	TB10659	50 pcs./set					●					
	2 mm	180 mm	TB10878	30 pcs./set	●	●	●	●		●	●	●	●	
	3 mm	180 mm	TB10877	30 pcs./set		●	●	●		●	●	●	●	



Optional Needles

Premium Nitto Kohki needles out-perform competitors' needles ensuring optimal performance and trouble-free operation.

GRINDING & SANDING

Pneumatic Grinder

MYTON

Heavy-duty grinders for tough applications

- Side exhaust with noise reduction system
- Great power/weight ratio

NEW

Model MYG-25L

- For Grinding Wheel 58 mm
- Compact and lightweight type



 YouTube



NEW

Model MYG-40L

- For Grinding Wheel 100 mm
- Powerful type



 YouTube



Model MG-40

- Lever switch type
- Depressed center wheel 100 mm



 YouTube



Model MG-40 Non-CE

- Ring switch type
- Depressed center wheel 100 mm



Specifications

Model	MYG-25L	MYG-40L	MG-40 Lever Type	MG-40 Ring Type
Air Pressure	MPa (kgf/cm ²)	0.6 (6)		
Air Consumption	m ³ /min	0.39 (No-load)	0.54 (No-load) 0.75 (Load)	0.50 (No-load)
Free Speed	min ⁻¹ (rpm)	19000	13000	
Depressed Center Grinding Wheel				
Outer Diameter	mm	58	100	
Air Inlet Size	kg	Rc 1/4	Rc 3/8	Rc 1/4
Mass (Weight)		0.6	1.55	1.6
Accessories Included	• 5 mm Hex. Socket Screw Key • Spanner 19 • Grinding Wheel GS #80 x 58 • Bushing R 1/4 x NPT 1/4	• 5 mm Hex. Socket Screw Key • 6 mm Hex. Socket Screw Key • Bushing R 3/8 x NPT 3/8	• 5 mm Hex. Socket Screw Key • 6 mm Hex. Socket Screw Key • Spanner 19 • Bushing R 3/8 x NPT 3/8	• 5 mm Hex. Socket Screw Key • 6 mm Hex. Socket Screw Key • Spanner 19 • Bushing R 1/4 x NPT 3/8

Model MYG-50

- Lever switch type
- For Grinding wheel 125 mm
- Heavy grinding type
- Anti-vibration handle



 YouTube



Model MYG-70

- Lever switch type
- For Grinding wheel 180 mm
- Heavy grinding type



Model MYG-70 Non-CE

- Ring switch type
- For Grinding wheel 180 mm
- Heavy grinding type



Specifications

Model	MYG-50	MYG-70 Lever Type	MYG-70 Ring Type
Air Pressure	MPa (kgf/cm ²)	0.6 (6)	
Air Consumption	m ³ /min	0.75 (No-load) 1.1 (Load)	0.70 (No-load) 0.95 (Load)
Free Speed	min ⁻¹ (rpm)	11000	7600
Depressed Center Grinding Wheel			
Outer Diameter	mm	125	180
Air Inlet Size	kg	Rc 3/8	
Mass (Weight)		2.5 (with handle)	2.4 (with handle)
Accessories Included	• Handle (anti-vibration type) • 4 mm Hex. Socket Screw Key • 6 mm Hex. Socket Screw Key • Pin Face Wrench • Bushing R 3/8 x NPT 3/8	• Handle • 6 mm Hex. Socket Screw Key • 10 mm Hex. Socket Screw Key • Bushing R 3/8 x NPT 3/8	

GRINDING & SANDING

Pneumatic Sander

MYTON

NEW

Model MYS-20L 

- For Abrasive discs 1", 1-1/2" & 2"
- Compact and lightweight type



YouTube



Model MYS-40 

- For Abrasive disc 100 mm
- Light sanding type



Model MYS-70 Non-CE

- Ring switch type
- For Abrasive disc 180 mm
- Medium sanding type
- Japanese model



Specifications

Model	MYS-20	MYS-40	MYS-70
Air Pressure MPa (kgf/cm ²)		0.6 (6)	
Air Consumption (No-load) m ³ /min	0.39	0.45	0.93
Free Speed min ⁻¹ (rpm)	19000	13700	7600
Abrasive Disc Outer Diameter	1", 1-1/2" and 2"	100 mm	180 mm
Air Inlet Size	Rc 1/4		Rc 3/8
Mass (Weight) kg	0.6	1.1	2.4
Accessories Included	• 2 pieces of 14 mm Single Ended Spanner • Bushing R 1/4 x NPT 1/4 • 1" Disc Sanding Pad • 1-1/2" Disc Sanding Pad • 2" Disc Sanding Pad • Assortment of Sample Abrasive Discs Contains: 2 each of #60, #80, #100 and #120 1" Abrasive Disc 2 each of #60, #80, #100 and #120 1-1/2" Abrasive Disc 2 each of #60, #80, #100 and #120 2" Abrasive Disc	• 5 mm Hex. Socket Screw Key • 6 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4	• Side Handle Ass'y • 41 mm Single Ended Spanner • 10 mm Hex. Socket Screw Key • 7" Rubber Pad

Grinding Wheels for MYTON MYG-25L

PN	Description	Sales Unit	Appearance
TB11078	GS#46 x 58 mm	5 pcs./set	
TB11079	GS#60 x 58 mm		
TB11077	GS#80 x 58 mm	10 pcs./set	
TB11080	GS#100 x 58 mm	5 pcs./set	
TB11081	GS#120 x 58 mm		

Flap Discs for MYTON MYG-25L

PN	Description	Sales Unit	Appearance
TB11229	MYTON DISC Z Z#40 x 58	5 pcs./set	
TB11230	MYTON DISC Z Z#60 x 58		
TB11231	MYTON DISC Z Z#80 x 58		
TB11232	MYTON DISC Z Z#100 x 58		
TB11233	MYTON DISC Z Z#120 x 58		
TB11234	MYTON DISC SA A#40 x 58	5 pcs./set	
TB11235	MYTON DISC SA A#60 x 58		
TB11236	MYTON DISC SA A#80 x 58		
TB11237	MYTON DISC SA A#100 x 58		
TB11238	MYTON DISC SA A#120 x 58		

*Please use commercially available consumables for MYG-40L/MG-40/ MYG-50/MYG-70

Abrasive Discs and Disc Pads for MYTON MYS-20L

PN	Description	Sales Unit	Abrasive Disc	Disc Pad	Sales Unit
TB10986	Abrasive Disc 1" x #40	25 pcs./set		TQ14384 1" Disc Sanding Pad	1 piece
TB10987	Abrasive Disc 1" x #60				
TB10988	Abrasive Disc 1" x #80				
TB10989	Abrasive Disc 1" x #100				
TB10990	Abrasive Disc 1" x #120				
TB10991	Abrasive Disc 1" x #180	25 pcs./set		TQ14383 1-1/2" Disc Sanding Pad	1 piece
TB10992	Abrasive Disc 1" x #240				
TB10993	Abrasive Disc 1" x #320				
TB10994	Abrasive Disc 1-1/2" x #40				
TB10995	Abrasive Disc 1-1/2" x #60				
TB10996	Abrasive Disc 1-1/2" x #80	25 pcs./set		TQ14382 2" Disc Sanding Pad	1 piece
TB10997	Abrasive Disc 1-1/2" x #100				
TB10998	Abrasive Disc 1-1/2" x #120				
TB10999	Abrasive Disc 1-1/2" x #180				
TB11000	Abrasive Disc 1-1/2" x #240				
TB11001	Abrasive Disc 1-1/2" x #320	25 pcs./set			
TB11002	Abrasive Disc 2" x #40				
TB11003	Abrasive Disc 2" x #60				
TB11004	Abrasive Disc 2" x #80				
TB11005	Abrasive Disc 2" x #100				
TB11006	Abrasive Disc 2" x #120	25 pcs./set			
TB11007	Abrasive Disc 2" x #180				
TB11008	Abrasive Disc 2" x #240				
TB11009	Abrasive Disc 2" x #320				

*Please use commercially available consumables for MYS-40/MYS-70.

Optional Accessories

Ref. No.	PN	Description	Sales Unit	Remarks
1 *	TB08265	Handle Ass'y	1 set	Standard accessory of MYG-70
2 *	TB09680	Side Handle Ass'y (anti-vibration type)	1 set	Standard accessory of MYG-50
3	TA90078	Rubber Pad Ass'y	1 piece	For MYS-40

*Handle Ass'y and Side Handle Ass'y can be used on MYG-40L, MG-40 and MYG-70.



Ideal for sanding and grinding in narrow spaces, recessed areas and on curved surfaces

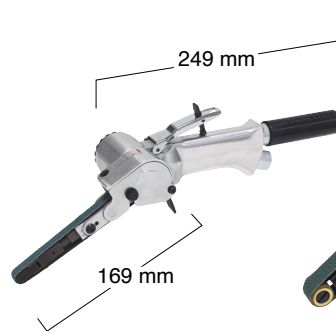
- Quick belt change
- Rear exhaust system



BELTON-10

Model **B-10CL**

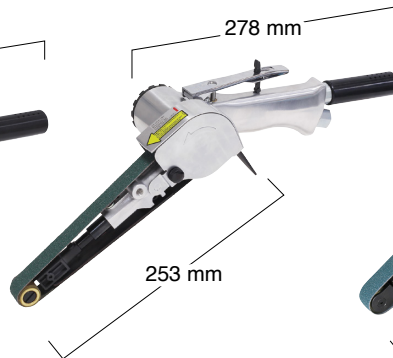
- Belt size 10 mm (W)



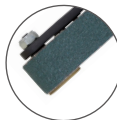
BELTON-20

Model **B-20CL**

- Belt size 20 mm (W)



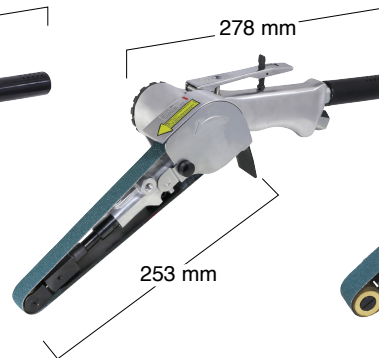
The Idle Pulley for B-20CL is supported on one side only.



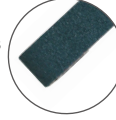
BELTON-20

Model **B-20CL-A**

- Belt size 20 mm (W)



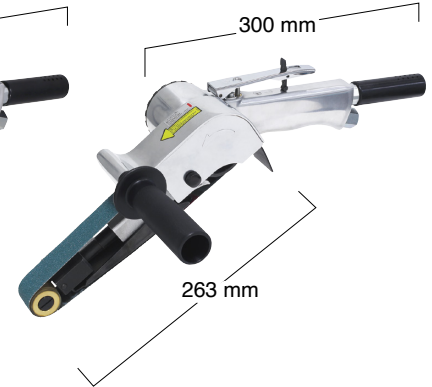
The Idle Pulley for B-20CL-A is supported on both sides.



BELTON-30

Model **B-30CL**

- Belt size 30 mm (W)



Specifications

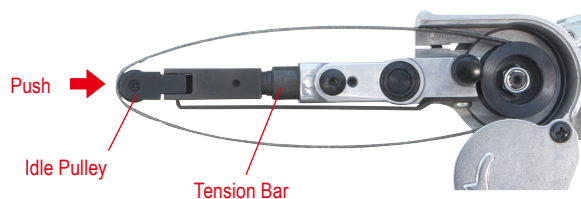
Model		B-10CL	B-20CL	B-20CL-A	B-30CL
Air Pressure	MPa (kgf/cm ²)	0.6 (6)			
Air Consumption (No-load)	m ³ /min	0.40	0.48		0.82
Free Speed	min ⁻¹ (rpm)	17000	18000		15000
Belt Speed	m/min	1120	2770		2310
Belt Size	mm	10 x 330	20 x 520		30 x 540
Air Inlet Size		Rc 1/4			
Mass (Weight)	kg	0.9	1.6	1.5	2.4
Installed Abrasive Belt		Z#60 x 10 mm	Z#60 x 20 mm		Z#60 x 30 mm
Accessories Included		• 2 pieces of Abrasive Belt Z#60 x 10 mm (1 piece installed) • Abrasive Belt Z#80 x 10 mm • Abrasive Belt Z#100 x 10 mm • Abrasive Belt Z#120 x 10 mm • 1.5 mm Hex. Socket Screw Key • 4 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4	• 2 pieces of Abrasive Belt Z#60 x 20 mm (1 piece installed) • Abrasive Belt Z#80 x 20 mm • Abrasive Belt Z#100 x 20 mm • Abrasive Belt Z#120 x 20 mm • 2.5 mm Hex. Socket Screw Key • 4 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4 • Convex Shoe		• 2 pieces of Abrasive Belt Z#60 x 30 mm (1 piece installed) • Abrasive Belt Z#80 x 30 mm • Abrasive Belt Z#100 x 30 mm • 5 mm Hex. Socket Screw Key • Handle Ass'y • Bushing R 1/4 x NPT 1/4

Easy belt change

Abrasive belt can be changed easily. *Rotate and open the cover when changing.

Self-locking

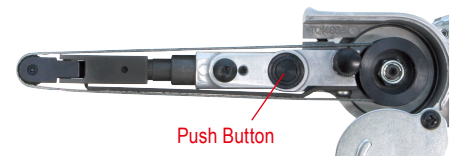
Push the idle pulley into self-lock position to loosen the belt.



For all models

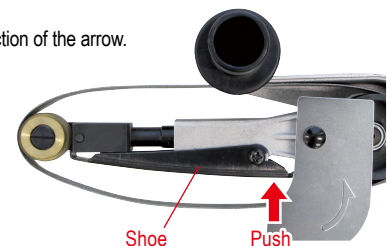
Unlock

Press the push button to pull back the tension bar.



10/20 Type

Press the shoe in the direction of the arrow.

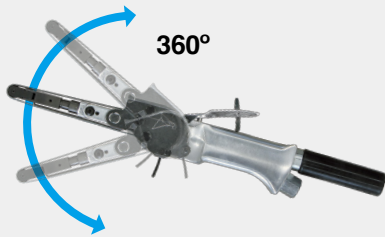


30 Type

SANDING

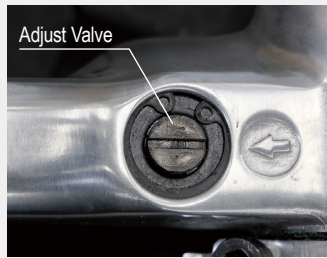
Adjustable angle for efficient operation

Guard angle can be changed freely in accordance with the working position and shape of the workpiece.



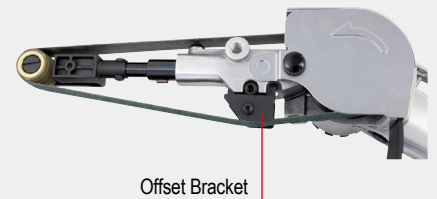
Belt Speed Adjustment

Belt speed can be easily adjusted by turning the adjust valve with a screwdriver.



Curved surface grinding

Curved surface grinding is possible by using the Offset Bracket (Optional).



Abrasive Belt for BELTON-10

Belt Size : 6 mm x 330 mm (W x L)

Grit	PN	
	Zirconia (Z)	Alumina (AA)
#40	-	-
#60	TB10924	-
#80	TB10925	-
#100	TB10926	-
#120	TB10927	-
#180	TB10928	-
#240	TB10929	-
#400	-	TB10941
Sales Unit	50 pcs./set	

When using the belt, optional Bracket 6 Ass'y and Shoe 6 are required. (Ref. No.5, 6)

Abrasive Belt for BELTON-10

Belt Size : 10 mm x 330 mm (W x L)

Grit	PN		
	Zirconia (Z)	Alumina (AA)	Ceramic (CE)
#40	-	-	TB10943
#60	TB10904	-	TB10944
#80	TB10905	-	TB10945
#100	TB10906	-	TB10946
#120	TB10907	-	TB10947
#180	TB10908	-	-
#240	TB10909	-	-
#400	-	TB10936	-
Sales Unit	50 pcs./set		

Abrasive Belt for BELTON-20

Belt Size : 20 mm x 520 mm (W x L)

Grit	PN		
	Zirconia (Z)	Alumina (AA)	Ceramic (CE)
#40	TB10910	-	TB10948
#60	TB10911	-	TB10949
#80	TB10912	-	TB10950
#100	TB10913	-	TB10951
#120	TB10914	-	TB10952
#180	TB10915	-	-
#240	TB10916	-	-
#320	-	TB10937	-
#400	-	TB10938	-
Sales Unit	20 pcs./set		

Abrasive Belt for BELTON-30

Belt Size : 30 mm x 540 mm (W x L)

Grit	PN		
	Zirconia (Z)	Alumina (AA)	Ceramic (CE)
#40	TB10917	-	TB10953
#60	TB10918	-	TB10954
#80	TB10919	-	TB10955
#100	TB10920	-	TB10956
#120	TB10921	-	TB10957
#180	TB10922	-	-
#240	TB10923	-	-
#320	-	TB10939	-
#400	-	TB10940	-
Sales Unit	20 pcs./set		

Optional Parts

Ref. No.	PN	Description	Sales Unit	Applicable Model			
				B-10CL		B-20CL	B-30CL
				6 mm	10 mm	B-20CL-A	
1	TB09997	Offset Bracket 10 Ass'y	1 set		●		
2	TB10192	Offset Bracket 20 Ass'y	1 set			●	
3	TB08150	Offset Bracket 30 Ass'y	1 set				●
4	TB09938	Finger Pad Ass'y	1 set			●	
5	TB09996	Bracket 6 Ass'y	1 set	●			
6	TP14770	Shoe 6	1 piece	●			
7	TB10160	Idle Pully Bracket Ass'y	1 set			●	
8	TB10191	Convex Shoe	1 piece			●	
-	TB08337	Idle Pully Ass'y (Steel) for B-20CL-A	1 set			●	
-	TB08387	Idle Pully Ass'y (Steel) for B-20CL	1 set			●	



* for Abrasive belt width 6 mm



SANDING

Pneumatic Belt Sander

BABY BELTON

Ideal for deburring, chamfering, bead grinding, and polishing applications

- Compact and lightweight, yet powerful
- Alternative rotation direction
- Ergonomically designed for left or right hand operator convenience

BABY BELTON-10

Model **BB-10B** 

- Lever switch type
- Belt size 10 mm (W)



YouTube



BABY BELTON-10

Model **BB-10B** Non-CE

- Ring switch type
- Belt size 10 mm (W)



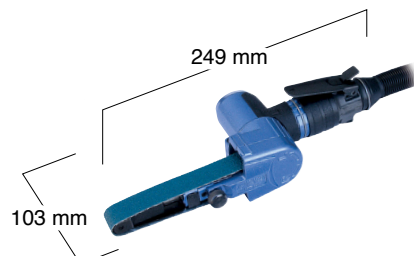
YouTube



BABY BELTON-20

Model **BB-20** 

- Belt size 20 mm (W)



Specifications

Model	BB-10B Lever Type	BB-10B Ring Type	BB-20
Air Pressure	MPa (kgf/cm ²)	0.6 (6)	
Air Consumption (No-load)	m ³ /min	0.20	0.43
Free Speed	min ⁻¹ (rpm)	17000	
Belt Speed	m/min	1120	1230
Belt Size	mm	10 x 330	20 x 330
Air Inlet Size		Rc 1/4	
Mass (Weight)	kg	0.55	0.80
Installed Abrasive Belt	Z#100 x 10 mm	Z#100 x 10 mm	Z#60 x 20 mm
Accessories Included	• Abrasive Belt Z#100 x 10 mm (Installed) • Abrasive Belt Z#120 x 10 mm • Abrasive Belt Z#180 x 10 mm • Abrasive Belt Z#240 x 10 mm • 1.5 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4 • Offset Bracket Ass'y (Installed)	• Abrasive Belt Z#100 x 10 mm (Installed) • Abrasive Belt Z#120 x 10 mm • Abrasive Belt Z#180 x 10 mm • Abrasive Belt Z#240 x 10 mm • 1.5 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4 • Offset Bracket Ass'y (Installed)	• Abrasive Belt Z#60 x 20 mm (Installed) • Abrasive Belt Z#120 x 20 mm • Abrasive Belt Z#240 x 20 mm • 2.5 mm Hex. Socket Screw Key • 3 mm Hex. Socket Screw Key • Shoe • Dust Cover • Bushing R 1/4 x NPT 1/4

Quick and easy belt installation and removal "NO Tools Required"

1 Remove side cover.



Push idle pulley bracket into self-locking position.



2



Replace grinding belt.

3



Press the push button to tighten the belt.

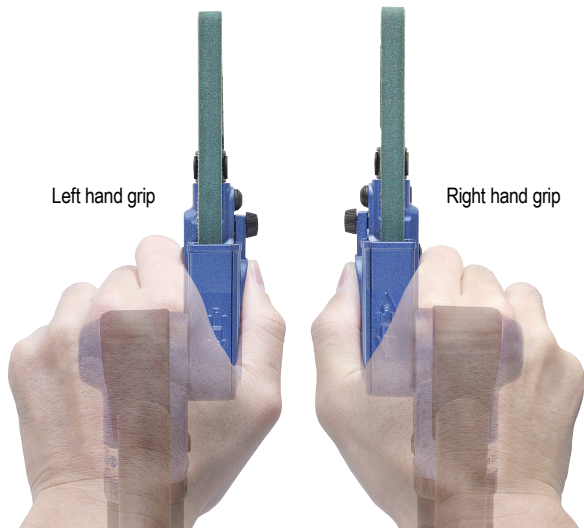
Push Button

The throttle lever can be turned by 180 degrees.

Ergonomically designed for right or left hand operator convenience

Left hand grip

Right hand grip



Sanding for curved surfaces

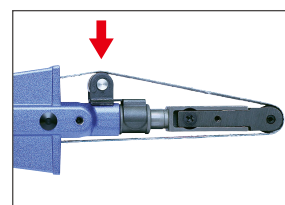
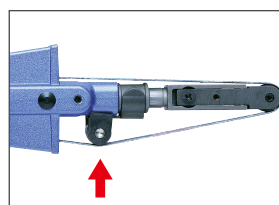
Curved surface sanding is possible by using the offset bracket.



Offset Bracket

The offset bracket can be positioned up or down.

Push-in offset bracket pulley allows the following use.



SANDING

Easy switching of belt rotation direction (BB-10B)

By adjusting the lever of the FR valve, the rotation direction of the abrasive belt can be changed. The direction of the chip splash can be changed by switching the rotation direction. The rotation speed can also be adjusted by the angle of the lever.

Controlling the chip splash direction

To the rear (forward)



To the front (reverse)



Adjusting FR Valve

The rotation speed can also be adjusted by the angle of the lever.



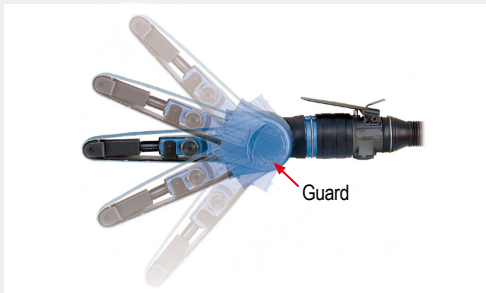
Forward (right)



Reverse (left)

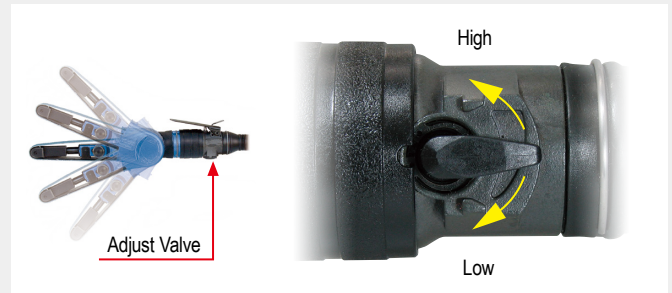
Guard position is adjustable (BB-20)

Guard angle can be changed freely in accordance with the working position and shape of the workpieces.



Belt Speed Adjustment (BB-20)

Belt speed can be easily adjusted by turning the adjust valve without a tool.



Ideal for deburring, chamfering, bead grinding, and polishing applications

Deburring of die cast parts



Detail finishing of aluminum material



Chamfering of straight parts



Optional Parts

Ref. No.	PN	Description	Sales Unit	Model
1	TB10549	Offset Bracket Ass'y	1 set	BB-20
2	TB07109	Offset Bracket 20 Ass'y	1 set	
3	TB07224	Tension Bar 520 Ass'y*	1 set	
4	TQ10701	Shoe 520*	1 piece	
5	TB07227	Finger Pad Ass'y 520	1 set	

*TB07224 and TQ10701 are used together.



Abrasive Belt for BABY BELTON-10

Belt Size : 10 mm x 330 mm (W x L)

Grit	PN		
	Zirconia (Z)	Alumina (AA)	Ceramic (CE)
#40	-	-	TB10943
#60	TB10904	-	TB10944
#80	TB10905	-	TB10945
#100	TB10906	-	TB10946
#120	TB10907	-	TB10947
#180	TB10908	-	-
#240	TB10909	-	-
#400	-	TB10936	-
Sales Unit	50 pcs./set		

Abrasive Belt for BABY BELTON-20

Belt Size : 20 mm x 330 mm (W x L)

Grit	PN			
	Zirconia (Z)	Alumina (AA)	Ceramic (CE)	Non-woven
#40	-	-	-	-
#60	TB10930	-	TB10958	-
#80	TB10931	-	TB10959	-
#100	TB10932	-	TB10960	-
#120	TB10933	-	TB10961	-
#180	TB10934	-	-	TB11047 A-M Equivalent to #180
#240	TB10935	-	-	-
#320	-	-	-	TB11046 A-VF Equivalent to #320
#400	-	TB10942	-	TB11048 S-SF Equivalent to #400
Sales Unit	20 pcs./set	20 pcs./set	20 pcs./set	5 pcs./set

SANDING

Pneumatic Sander

COMPACT MULTI SANDER

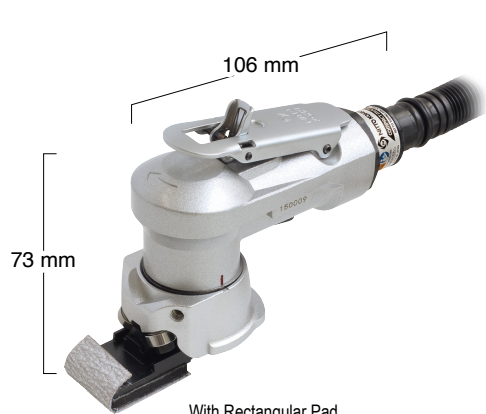
Model **CMX-20** 



 YouTube

Excellent for sanding on narrow, confined, and hard-to-reach areas with three types of pads

- By replacement of the pad, both random orbital action and multiple movement are available with one set
- Finish sanding on a small part is possible with a small pad
- Sanding in a confined space is possible due to compact and lightweight body



With Rectangular Pad

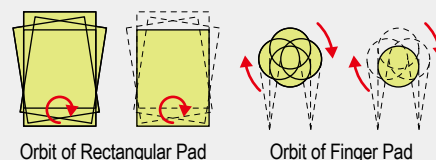


With 2" Round Pad



With Finger Pad

Orbital Movement (Rectangular Pad, Finger Pad)

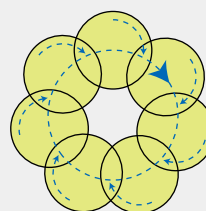


Orbit of Rectangular Pad

Orbit of Finger Pad

Offset rotation makes above orbit.

Dual Action Movement (2" Round Pad)



Offset rotation and self rotation makes orbit as shown on the left.

Speed Adjustment



Adjust Valve

Turn the adjust valve to limit the tools speed. Adjust the speed according to the workpiece material, grit of sand paper, and the desired surface finish.

Pad Replacement



Pad replacement can easily be made with the included spanner 10 and 4 mm hex. socket screw key. In case of 2" round pad, only the spanner 10 is used. Use a suitable pad in accordance with the work area or area to be sanded.

Specifications

Model	CMX-20	
Air Pressure	MPa	0.6
Air Consumption (No load)	m ³ /min	0.15
Orbit Diameter	mm	2
Mass (Weight)	kg	0.53 (without pad)

The rectangular pad comes mounted to the tool.

Accessories Included

- 2" Velcro Abrasive Paper #80, #120, #180 (2 pieces of each)
- 26 x 50 mm Velcro Abrasive Paper #80, #120, #180 (2 pieces of each)
- 16 mm Self Adhesive Abrasive Paper #80, #120, #180 (5 pieces of each)
- 2" Round Pad
- 16 mm Finger Pad
- 4 mm Hex. Socket Screw Key
- Bushing R 1/4 x NPT 1/4
- Ultra-thin Wrench SNT1012
- Tool Box

Accessory Sanding Pad

Type of Pad	Rectangular Pad	2" Round Pad	16 mm Finger Pad
Free Speed	min ⁻¹ 11000	13000	11000
Paper Size	mm 26 x 50	50 dia.	16 dia.
PN	TB09789	TB09786	TB09788

Optional Accessories

Ref. No.	PN	Description	Sales Unit
1	TB11010	26 x 50 mm Velcro Abrasive Paper #80	100 pcs. /set
	TB11011	26 x 50 mm Velcro Abrasive Paper #120	
	TB11012	26 x 50 mm Velcro Abrasive Paper #180	
2	TB11049	26 x 50 mm Velcro Non-woven Abrasive Pad #320	50 pcs. /set
3	TB11013	2" Velcro Abrasive Paper #80	100 pcs. /set
	TB11014	2" Velcro Abrasive Paper #120	
	TB11015	2" Velcro Abrasive Paper #180	
4	TB11016	16 mm Self Adhesive Abrasive Paper #80	100 pcs. /set
	TB11017	16 mm Self Adhesive Abrasive Paper #120	
	TB11018	16 mm Self Adhesive Abrasive Paper #180	



For Rectangular Pad

For Rectangular Pad

For 2" Round Pad

For 16 mm Finger Pad

*In the case of non-woven abrasive pad, it does not remove base metal. It may not clean heavily discolored welds.



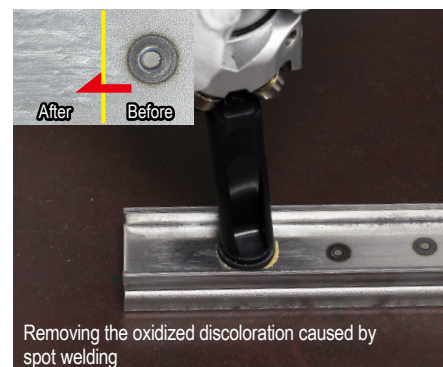
Removing weld discoloration on stainless steel

Rectangular Pad



Sanding a slight difference in level caused by tool change on a milled surface

2" Round Pad



Removing the oxidized discoloration caused by spot welding

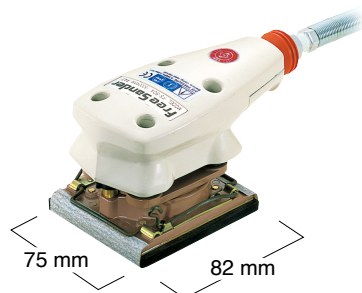
16 mm Finger Pad

SANDING

Handy Pneumatic Sander

FREE SANDER

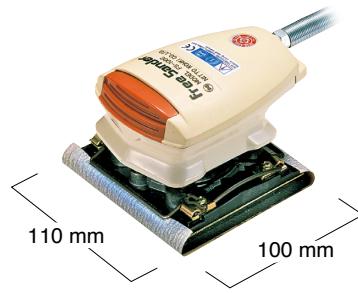
Model **FS-50A** 



Super lightweight, low-vibration design

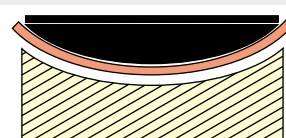
- Ideal for sanding and surface finishing wood, metal, plastic and other materials
- Lightweight design with minimal vibration
- High output and low air consumption motors produce high speed orbits for swirl-free finishes
- Oil free design
- Suitable for industrial and production applications

Model **FS-100C** 



Round-Pad for FS-100C

The pad is made of sponge rubber and conforms easily to the shape being worked. Double-stick tape is used with round pad.



Specifications

Model	FS-50A	FS-100C
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.14
Free Speed	min ⁻¹ (rpm)	15000
Orbit Diameter	mm	1.2
Pad Size	mm	75 x 82
Paper Size	mm	110 x 100
Air Inlet Size		Rc 1/8
Mass (Weight)	kg	0.50
Accessories Included	• Air Hose H Ass'y • Sanding Paper #240, #180 (5 pieces of each) • Bushing R 1/4 x NPT 1/4	

Optional Accessories

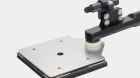
Ref. No.	PN	Description	Sales Unit	Model
1	TA99828	Rubber Pad	1 piece	FS-50A
2	TB02240	Dust Collector		
3	TA9A367	Rubber Pad	1 piece	
4	TA91474	Round Pad		
5	TB02235	Dust Collector		
6	TA9A265	Sanding Paper #100	200 pcs./set	FS-100C
	TA9A266	Sanding Paper #120		
	TA9A267	Sanding Paper #150		
	TA9A268	Sanding Paper #180		
	TA9A269	Sanding Paper #240		
	TA9A270	Sanding Paper #280		
	TA9A271	Sanding Paper #320		

1 & 3



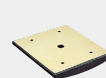
Rubber Pad

2 & 5



Dust Collector

4



Round Pad

6



Sanding Paper

Pneumatic Reciprocating Sander

LINE SANDER

Model **LS-10** 

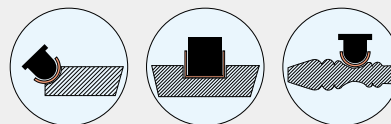


Ideal for inline and grain sanding applications

- Ideal for most inline and profile sanding applications
- Compact and lightweight 0.75 kg design
- Low vibration and minimal noise output
- Suitable for sanding steel, aluminum, wood, plastic and other materials

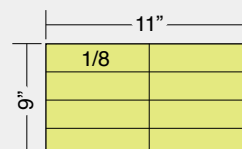
Special Sanding Pad

The Block Rubber Pad Assembly can be easily trimmed to conform to the shape being worked and is available as an accessory.



Abrasive Paper

Cut standard size paper (9" x 11") into 8 pieces, as shown below. For dry sanding, use an open coat abrasive paper with silicon carbide or aluminum oxide abrasive grains to prevent clogging, improve grinding efficiency, and prolong the life of the paper.



Specifications

Model	LS-10
Air Pressure	MPa (kgf/cm ²)
Air Consumption (No-load)	m ³ /min
Free Speed	min ⁻¹
Stroke Length	mm
Pad Size	mm
Paper Size	mm
Air Inlet Size	
Mass (Weight)	kg
Accessories Included	• Air Hose E Ass'y • Block Rubber Pad • Base Plate A Ass'y • Sanding Paper #240, #180 (5 pieces of each) • Bushing R 1/4 x NPT 1/4



Optional Accessories

Ref. No.	PN	Description	Sales Unit
1	TB02244	Dust Collector	1 piece
2	TA96665	Rubber Pad	
3	TA96739	Block Rubber Pad	

1



Dust Collector

2



Rubber Pad

3



Block Rubber Pad

SANDING

Pneumatic Compact Sander

ORBITAL SANDER

Model **OSV-60A** 

Heavy-duty and powerful with adjustable speed regulator

- Powerful dual action for tough applications
- Standard with dust extraction system
- Rugged construction for years of reliable performance



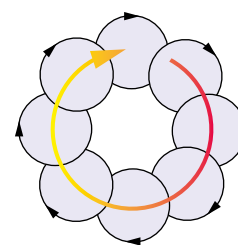
Specifications

Model	OSV-60A	
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.68
Free Speed	min ⁻¹ (rpm)	8500
Orbit Diameter	mm	10
Paper Size	mm	150 (6")
Pad Type	PSA with 6 holes	
Air Inlet Size	Rc 1/4	
Mass (Weight)	kg	2
Accessories Included	• Dust Collection Ass'y with Dust Bag • Single Ended Spanner 17 • Bushing R 1/4 x NPT 1/4 • Brush	



Random orbital action creates a professional finish

By offsetting the sanding pad shaft, fast aggressive sanding is achieved while dramatically reducing swirl patterns. Speed adjustments allow for the best speed for the best job.

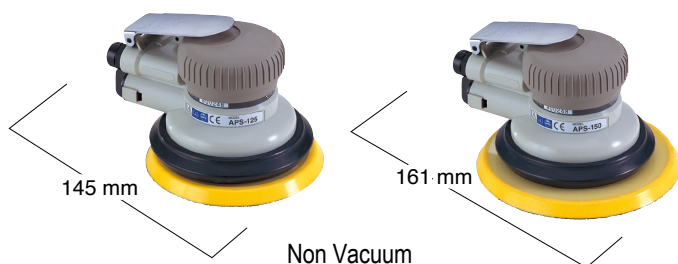


Pneumatic Compact Sander

PALM ORBITAL SANDER

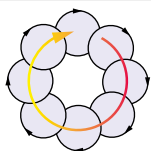
Model **APS-125** 

Model **APS-150** 



Random orbital action creates a professional finish

By offsetting the sanding pad shaft, fast aggressive sanding is achieved while dramatically reducing swirl patterns. Speed adjustments allow for the best speed for the best job.



Ergonomic lightweight design

- Extremely light. APS-125 weighs just 690 g
- Ergonomically designed for operator convenience and comfort
- Powerful high speed 10000 RPM motor
- Ultra small orbital action for high quality swirl-free finishes
- Available with 125 mm or 150 mm pads
- Variable speed control

Applications

- Feather edging, metal preparation, and finishing work on body filler
- Curved surface sanding and corner rounding in wood work

Specifications

Model	APS-125	APS-150
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.45
Free Speed	min ⁻¹ (rpm)	10000
Orbit Diameter	mm	5
Paper Size	mm	125 (5")
Pad Type	Leather or Velcro with 5 holes	Velcro with 6 holes
Air Inlet Size	Rc 1/4	
Mass (Weight)	kg	0.69
Accessories Included	• 17 mm Single Ended Spanner • Bushing R 1/4 x NPT 1/4	

For Self Vacuum & Central Vacuum

The non-vacuum model is available from stock and can easily be modified to the self-vacuum or central vacuum type.

Self Vacuum



Optional parts required for adding Self Vacuum function

TQ04685 Stopper
TB03594 Ejector Ass'y
LQ02848 P Tapping Screw
TA99239 Hose Ass'y
TP14836 Dust Bag

Central Vacuum



Optional parts required for adding Central Vacuum function

TQ04682 Ejector
LQ02848 P Tapping Screw

GRINDING

Pneumatic Die Grinder

AIR SONIC

Model L-25B

- For all grinding, deburring and finishing jobs



Model L-35C

- Special design for rotary burrs



Specifications

Model	L-25B	L-35C
Air Pressure MPa (kgf/cm ²)	0.6 (6)	
Air Consumption (No-load) m ³ /min	0.40	0.35
Free Speed min ⁻¹ (rpm)	27000	37500
Chuck Size mm	6	
Air Inlet Size	Rc 1/4	
Mass (Weight) kg	0.60 (without hose)	0.45 (without hose)
Accessories Included	14 mm Single Ended Spanner - Mounted Wheel No.2 - Mounted Wheel No.3 - Chuck Pin - Bushing R 1/4 x NPT 1/4	2 pieces of 14 mm Single Ended Spanner - Mounted Wheel 13 x 13 x 6 x 38 - Bushing R 1/4 x NPT 1/4

Optional Accessory

PN	Description	Sales Unit
TP02806	Chuck Sleeve 6 x 3 mm	1 piece

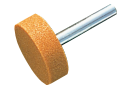


A mounted wheel or rotary burr with 3 mm shaft can be installed on L-25B and L-35C by using the chuck sleeve 6 x 3.

Optional Accessories

Mounted Wheel for AIR SONIC L-25B (Sales Unit: 5 pcs./set)

*All items Grit #60

No.1: 16 x 32  PN: TB11082	No.2: 16 x 32  PN: TB11083	No.3: 19 x 20  PN: TB11084	No.4: 25 x 25  PN: TB11085
No.5: 19 x 28  PN: TB11086	No.6: 25 x 13  PN: TB11087	No.7: 32 x 10  PN: TB11088	No.8: 16 ball  PN: TB11089

Rotary Burr for AIR SONIC L-35C (Sales Unit: 1 piece)

No.1: CB1C-106  PN: TB11198	No.2: CB2C-105  PN: TB11199	No.3: CB3C-103  PN: TB11200	No.4: CB4C-103  PN: TB11201
No.5: CB5C-104  PN: TB11202	No.6: CB6C-102  PN: TB11203	No.7: CB7C-103  PN: TB11204	No.8: CB8C-105  PN: TB11205

Pneumatic Die Grinder

AIR SONIC

Model AL-55A



YouTube



High speed rotation 56500 rpm

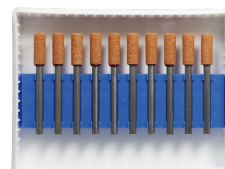
- Smooth high speed rotation and low vibration enables precision grinding
- Stepless speed change from 0 to 56500 rpm meets a wide range of grinding applications
- Compact and light weight for comfortable operation over long periods of time.
- Triangular grip fits operator's hand. Special plastic grip prevents cold hands and absorbs vibration.
- Rear exhaust system

Specifications

Model	AL-55A
Air Pressure MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load) m ³ /min	0.17
Free Speed min ⁻¹ (rpm)	56500
Chuck Size mm	3
Air Inlet Size	G 1/4
Mass (Weight) kg	0.27
Accessories Included	7 x 9 mm Spanner - Lock Wrench - Mounted Wheel 5 x 13 x 3 - Bushing R 1/4 x NPT 1/4

Optional Accessory

PN	Description	Sales Unit
TB11090	Mounted Wheel 5 x 13 x 3	10 pcs./set



GRINDING/FILING

Portable Precision Finishing File

SUPER HAND

Model SH-100A

- Rugged construction for reliable performance



Fast, efficient filing, sanding and deburring tools

- Eliminates time consuming manual hand-filing operations
- Ideal for industrial production filing applications on steel, aluminum, brass, wood and other materials
- Unique and compact design delivers reduced vibration performance while reducing operator fatigue.
- Interchangeable files
- Rear exhaust system
- Weight reduced by half for comfortable operation over long period of time (ASH-900)

Model ASH-900

- Weight reduced by half for comfortable operation over long period of time



YouTube



Specifications

Model	SH-100A	ASH-900
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.13
Stroke Speed	min ⁻¹	3700
Stroke Length	mm	9
File shank Size	mm	5.0
Air Inlet Size	Rc 1/4	
Mass (Weight)	kg	0.50
Accessories Included	• Rat Tail File SF-10 • Triangular Taper File SF-11 • Half Round File SF-12 • Flat File SF-13 • 3 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4 • Air Hose E Ass'y	• Rat Tail File SF-10 • Triangular Taper File SF-11 • Half Round File SF-12 • Flat File SF-13 • 2.5 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4

Optional Accessories

Sales Unit: 5 pcs./set
Rat Tail File SF-10
PN: TB11095
Triangular Taper File SF-11
PN: TB11096
Half Round File SF-12
PN: TB11097
Flat File SF-13
PN: TB11098

Optional Accessories

Ref. No.	PN	Description	Sales Unit
1	TA91752	Rubber Pad Ass'y for SH-100A	1 set
2	TA94625	Supporter Ass'y for SH-100A (use with TA91752)	
3	TB04319	Sanding Pad Ass'y for ASH-900	



Portable Precision Finishing File

SUPER HAND LIGHT

Model SHL-40



YouTube



Ideally suited for deburring of die-cast aluminum products and machined parts

- Small size, light-weight, and low-vibration model
- Reduced operator fatigue for greater productivity

Specifications

Model	SHL-40
Air Pressure	MPa (kgf/cm ²)
Air Consumption (No-load)	m ³ /min
Stroke Speed	min ⁻¹
Stroke Length	mm
File shank Size	mm
Air Inlet Size	Rc 1/4
Mass (Weight)	kg
Accessories Included	• Flat File LF-13 • 2 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4

Optional Accessories

Sales Unit: 3 pcs./set
Rat Tail File LF-10
PN: TB11092
Triangular Taper File LF-11
PN: TB11094
Half Round File LF-12
PN: TB11093
Flat File LF-13
PN: TB11091

FILING/DEBURRING

Portable Fine Finishing File

MICRO AIR HAND

Light weight, ultra-low vibration filer for polishing and lapping operations

- Fine reciprocating motion best for precision parts filing

Model **MAH-05** 

Model **MAH-16** 



YouTube



Reciprocating motion
0.5 mm stroke



Reciprocating motion
2.2 mm stroke

Mounting Examples

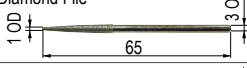
*This holder can be used for polishing and lapping applications by mounting ceramic stones, etc.
(Max size: Thickness 3.2 mm x Width 20 mm)



Specifications

Model	MAH-05	MAH-16
Air Pressure	MPa (kgf/cm ²) 0.6 (6)	
Air Consumption (No-load)	m ³ /min 0.07	
Stroke Speed	min ⁻¹ 22000	11000
Stroke Length	mm 0.5	2.2
File Shank Size	mm 3	
Air Inlet Size	Rc 1/4	
Mass (Weight)	kg 0.37	
Accessories Included	• Flat End Diamond File • Round End Diamond File • 2 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4	

Optional Accessories

PN	Description	Sales Unit
TB11105	Flat End Diamond File 	5 pcs./set
TB11106	Round End Diamond File 	5 pcs./set
TB11107	Triangular End Diamond File 	5 pcs./set
TB11108	Half-round End Diamond File 	5 pcs./set
TB07506	Vise Holder 3 mm dia.* 	1 set

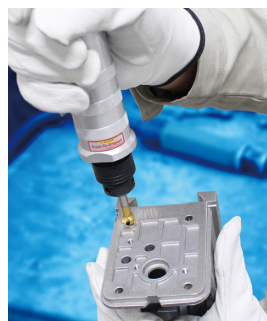
Pneumatic Deburring Tool

BURR CUTTER

Model **BC-005** 



YouTube



For deburring machined holes

- While gripping the lever, push the countersink into the machined holes to remove burrs
- Optimum speed can be obtained by the adjust valve, resulting in clear deburred surfaces
- Push-to-engage type prevents the countersink from coming off the hole and damaging the workpiece
- Replacement of the countersink is easy and quick with a set of three quick change chucks provided

Specifications

Model	BC-005
Air Pressure	MPa (kgf/cm ²) 0.6 (6)
Air Consumption (No-load)	m ³ /min 0.22
Free Speed	min ⁻¹ (rpm) 420
Deburring Hole diameter	mm 3 to 34
Countersink Shank Size	mm 6, 8, 10, 12*
Air Inlet Size	Rc 1/8
Mass (Weight)	kg 0.75
Accessories Included	• Chuck 6 mm • Chuck 8 mm • Chuck 10 mm (Installed) • Suspension Bail • 2.5 mm Hex. Socket Screw Key • Bushing R 1/8 x NPT 1/4

*Chuck 12 mm is optional. (PN: TB09876)
Countersinks are not provided with the tool. Please purchase them locally.

Compatibility table between chuck and countersink shank diameter

PN	Chuck	Appearance*	Countersink Shank Diameter (mm)	Overall Length of Chuck (mm)
TB09392	Chuck 6		6	49.5
TB09391	Chuck 8		8	49.5
TB09390	Chuck 10		10	49.5
TB09876	Chuck 12		12	60

*indicates outer appearances of the chucks around the hex. socket head set screw.



Pneumatic Hacksaw

SUPER SAW

Model **SSW-110** 



Special double-piston system provides low vibration while improving cutting speed!

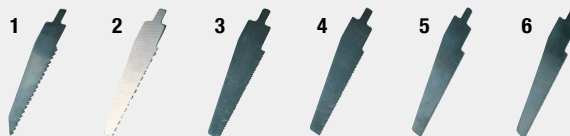
- Ideal for sawing and trimming operations on sheet metal, aluminum, plastic and other materials
- Suitable for automotive, fabrication, HVAC, electrical and woodworking applications
- Ultra lightweight construction with low vibration performance
- Optimized blade stroke for maximum cutting performance
- Powerful dual piston construction
- Locking throttle lever helps prevent accidental start-up

Specifications

Model	SSW-110	
Air Pressure	MPa (kgf/cm ²)	0.6 (6)
Air Consumption (No-load)	m ³ /min	0.29
Stroke Speed	min ⁻¹	7000
Stroke Length	mm	11
Capacity (Max. plate thickness)	mm	3
Air Inlet Size		Rc 1/4
Mass (Weight)	kg	0.62
Accessories Included	• 2 pieces of 32 TPI Saw Blade • 3 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4	

Optional Accessories

Ref. No.	PN	Description	Sales Unit
1	TB11099	9 TPI Saw Blade for Gypsum-board	10 pcs./set
2	TB11100	12 TPI Saw Blade for Plywood Panel	
3	TB11101	14 TPI Saw Blade for Plastic	
4	TB11102	18 TPI Saw Blade for Plastic	
5	TB11103	24 TPI Saw Blade for Mild Steel	
6	TB11104	32 TPI Saw Blade for Mild Steel	



Pneumatic Hand Drill

AIR DRILL

The power and performance you need to drill deeper and faster

- Ultra high power to weight ratio
- Ergonomically designed to reduce operator fatigue
- Variable speed control
- Reversible
- Designed for industrial and production applications

Model **ADR-65** 

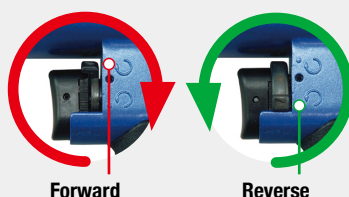
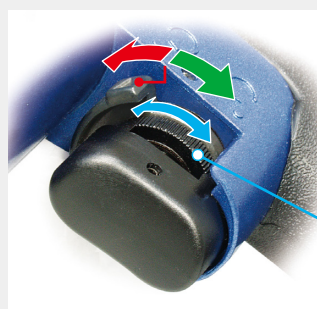


Model **ADR-100** 



Reversible

Change rotation direction by turning the valve as indicated.



Variable speed adjustment
Turn the speed control nut to change the R.P.M.

Specifications

Model	ADR-65	ADR-100
Air Pressure	MPa (kgf/cm ²) 0.6 (6)	
Air Consumption (No-load)	m ³ /min 0.55	0.67
Free Speed	min ⁻¹ (rpm) 2900	2000
Max. drilling Capacity	mm 6.5	10.0
Air Inlet Size	Rc 1/4	
Mass (Weight)	kg 0.8	1.1
Accessories Included	• Drill chuck (Installed) • Chuck Handle • Bushing R 1/4 x NPT 1/4 • CUPLA 30SH	

Optional Accessory

PN	Description	Sales Unit
TQ10969	Hanger	1 piece

SPRING BALANCER

SPRING BALANCER series



Spring balancer improves work safety and efficiency

Our spring balancers offer a simple cost effective solution to take the strain out of handling tools thus improving work safety and efficiency. The balancer range covers 0.5 to 70 kg tool capacity with a maximum cable length of 1.5 meters.

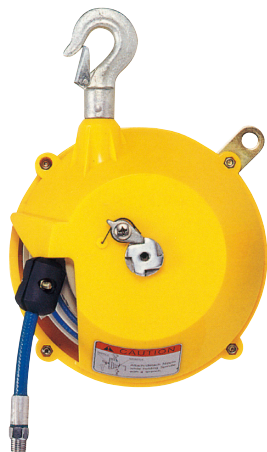
Specifications

Model		TW-00	TW-0	TW-3	TW-5
Capacity	kg	0.5 - 1.5	0.5 - 1.5	1.0 - 3.0	2.5 - 5.0
Stroke	m	0.5	1.0	1.3	1.3
Weight	kg	0.2	0.5	1.4	1.5

Model		TW-9	TW-15	TW-22	TW-30
Capacity	kg	4.5 - 9.0	9.0 - 15.0	15.0 - 22.0	22.0 - 30.0
Stroke	m	1.3	1.3	1.5	1.5
Weight	kg	3.4	3.8	7.2	7.6

Model		TW-40	TW-50	TW-60	TW-70
Capacity	kg	30.0 - 40.0	40.0 - 50.0	50.0 - 60.0	60.0 - 70.0
Stroke	m	1.5	1.5	1.5	1.5
Weight	kg	9.8	10.4	11.6	11.8

HOSE REEL BALANCER series



Functions both as balancer and hose reel

Specifications

Model		HW-0	HW-3	HW-5
Capacity	kg	0.5 - 1.5	1.5 - 3.0	3.5 - 5.0
Stroke	m	1.3	1.3	1.3
Weight	kg	1.6	1.7	1.8
Hose Diameter	I.D. mm	6.5	6.5	6.5
	O.D. mm	10	10	10

RETRACTOR series

Handy knob for easy tension adjustment



Specifications

Model		RW-0	RW-3	RW-5	TW-06R	TW-1R
Capacity	kg	0.5 - 1.5	1.0 - 3.0	2.5 - 5.0	0.2 - 0.6	0.5 - 1.5
Stroke	m	2.0	2.0	2.0	1.5	1.5
Weight	kg	0.5	0.7	0.9	0.3	0.3

Vibration Level, Sound Pressure Level, and Sound Power Level

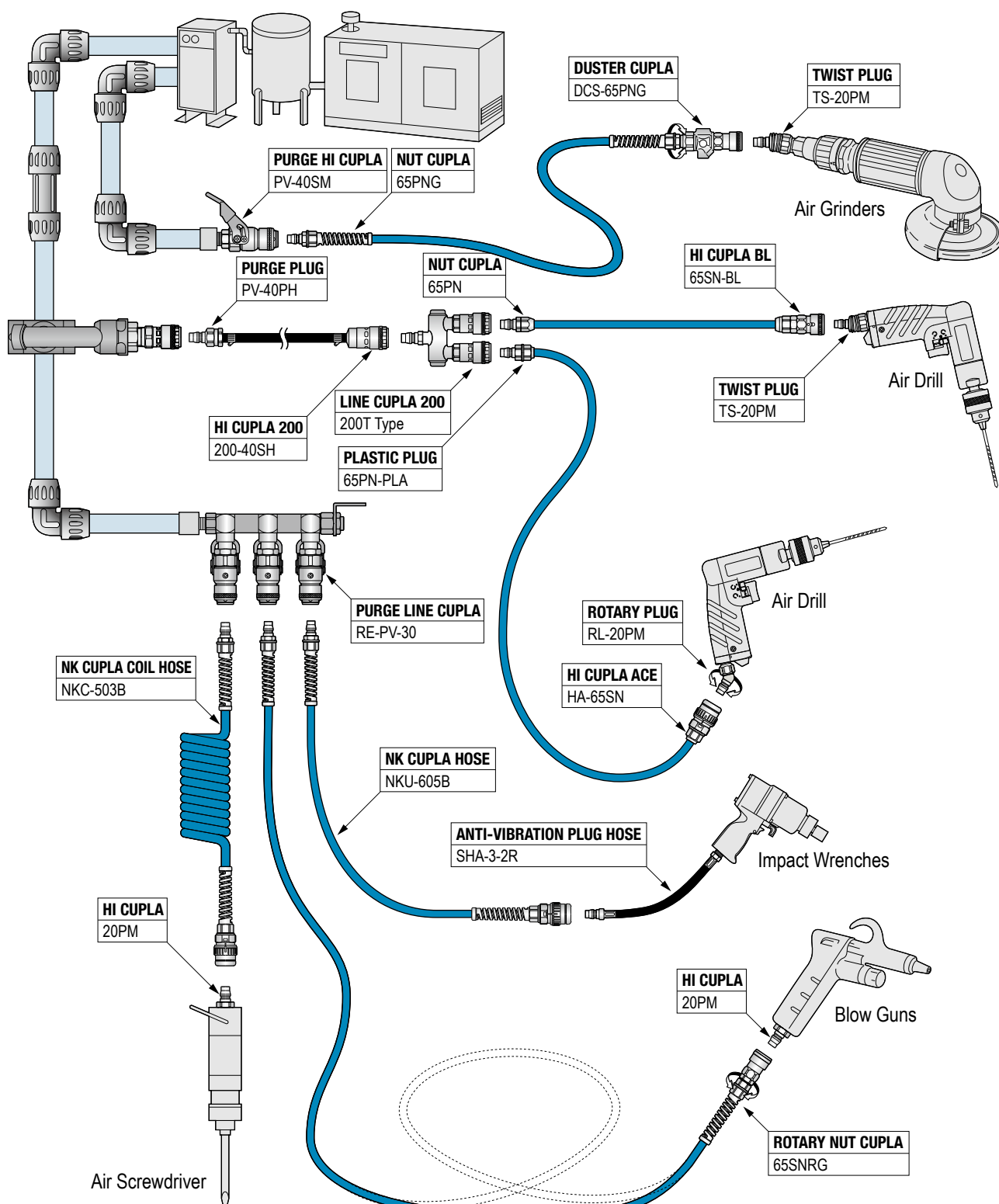
Figures may vary depending on applications

Series	Model	Vibration Level m/s ²	Measurement Point	Vibration Standard	Sound Pressure Level dB(A)	Sound Power Level dB(A)
AIR CHIPPER (Pneumatic)	ACH-16	66	Grip	EN 28927-9	86	97
	CH-24	100	Grip		87	98
AIR SONIC (Pneumatic)	AL-55A	0.8	Grip	ISO 28927-12	71	82
	L-25B	7.2	Grip		76	87
	L-35C	3.1	Grip		76	87
AUTO CHISEL (Pneumatic)	A-300	≥ 30	—	EN 28927-9	97	108
BELTON (Pneumatic)	B-10CL	≤ 2.5	Grip	ISO 20643	78	89
	B-20CL	≤ 2.5	Grip		81	92
	B-20CL-A	≤ 2.5	Grip		80	91
	B-30CL	≤ 2.5	Sub Handle		86	97
	BB-10B Lever Type	≤ 2.5	Grip L		79	90
		≤ 2.5	Grip R			
	BB-10B Ring Type	≤ 2.5	Grip L		79	90
		≤ 2.5	Grip R			
	BB-20	≤ 2.5	Grip L		85	96
BEVELER (Pneumatic)	AMB-0307	4.1	Grip	EN ISO 20643	87	98
		6.3	Knob			
	AMBL-0307	4.1	Grip		87	98
		6.3	Knob			
	CB-01	≤ 2.5	Grip		88	99
	CB-02	4.1	Grip		74	85
	CBR-03	≤ 2.5	Grip		81	92
BEVELER (Electric)	ECB-0203	7.0	Grip	EN 60745-1	83	84
		7.0	Knob			
	EMB-0307C	8.3	Grip		88	99
		3.7	Knob			
	HB-15B	≤ 2.5	Grip		64	75
		4.6	Handle			
	MB-03A	5.9	Grip		80	91
		6.6	Knob			
BURR CUTTER (Pneumatic)	BC-005	4.2	Grip	EN 20643	89	100
COMPACT MULTI SANDER (Pneumatic)	CMX-20	≤ 2.5	Grip	EN 28927-3	76	87
FREE SANDER (Pneumatic)	FS-50A	2.7	Grip		77	88
	FS-100C	≤ 2.5	Grip		85	96
JET CHISEL (Pneumatic)	AJC-16	4.8	Grip	EN ISO 28927-9	84	95
	JC-16	8.3	Grip		81	92
		11.5	Needle Guide			
	JEX-20	9.0	Grip		92	103
	JEX-24	10.5	Grip		93	104
		28	Needle Guide			
	JEX-28	15.0	Grip		96	107
	JEX-2800A	17.5	Needle Guide			
		11.5	Grip		94	105
		14.5	Needle Guide			
	JT-10	15.0	Grip		89	100
	JT-16	9.5	Grip		92	103
	JT-20	15.5	Grip		91	102
JET CHISEL (Electric)	EJC-32A	16.0	Grip	EN 60745-2-6	85	96
		15.0	Handle			
LINE SANDER (Pneumatic)	LS-10	6.0	Grip	EN 20643	78	89
MICRO AIR HAND (Pneumatic)	MAH-05	≤ 2.5	Grip	EN 28927-8	64	75
	MAH-16	≤ 2.5	Grip		64	75
MYTON (Pneumatic)	MG-40 Lever	5.9	Grip	ISO 28927-1	86	97
	MG-40 Ring	6.0	Grip		84	95
	MYG-25L	≤ 2.5	Grip	ISO 20643	85	96
	MYG-40L	5.3	Grip	ISO 28927-1	90	101
	MYG-50	4.5	Grip		92	103
	MYG-70 Lever	4.2	Handle			
		3.2	Grip		92	103
	MYG-70 Ring	8.2	Handle			
		3.2	Grip		92	103
		8.2	Handle			
	MYS-20L	≤ 2.5	Grip	ISO 28927-3	85	96
	MYS-40	≤ 2.5	Grip		82	93
	MYS-70	≤ 2.5	Grip		89	100
		≤ 2.5	Handle			
ORBITAL SANDER (Pneumatic)	OSV-60A	4.6	Grip	ISO 28927-3		
		7.2	Supporting Section		89	100
PALM ORBITAL SANDER (Pneumatic)	APS-125	5.5	Grip		78	89
	APS-150	7.4	Grip		81	92
SUPER HAND (Pneumatic)	ASH-900	4.8	Grip	EN 28927-8	62	73
	SH-100A	6.8	Grip		76	87
	SHL-40	≤ 2.5	Grip		71	81
SUPER KELEN (Pneumatic)	S-250	50	Grip	EN 28927-9	101	112
	S-500	29	Grip			
		17.0	Supporting Section		100	111
	S-1000	58	Grip			
		81	Supporting Section		99	110
SUPER SAW (Pneumatic)	SSW-110	9.3	Grip	EN 28927-8	71	82

QUICK CONNECT COUPLINGS FOR PNEUMATIC TOOLS

CUPLA

Nitto Kohki supplies various types of air couplings to meet all needs of air piping from main supply, relays in factories, pipe end connections to pneumatic tools, and those of air piping within equipment. The following sketch gives you some examples of air piping using HI CUPLA Series and may serve as a good reference in selecting appropriate couplings. For more information, please visit http://www.nitto-kohki.co.jp/e/prd/d_cat/ and see our eCatalog here.



QUICK CONNECT COUPLINGS FOR PNEUMATIC TOOLS

HI CUPLA



- One-way shut-off coupling with an automatic shut-off valve in the socket
- Important parts are hardened for excellent wear resistance and durability



YouTube

Specifications

Body material	Steel (Chrome-plated)	Brass	Stainless steel
Working pressure	1.5 MPa (15 kgf/cm ²)	1.0 MPa (10 kgf/cm ²)	1.5 MPa (15 kgf/cm ²)
Seal material	Nitrile rubber / Fluoro rubber		

HI CUPLA 200



- Simple and secure push-to-connect type
- New valve design for low pressure loss to achieve flow rate increase

Specifications

Body material	Steel (Chrome-plated)
Working pressure	1.5 MPa (15 kgf/cm ²)
Seal material	Nitrile rubber

NUT CUPLA



- No hose clamp required
- Nut types are available in HI CUPLA Series and HI CUPLA 200 Series
- To mount on hose, simply slide it over the nipple and tighten the nut

Specifications

Body material	Steel (Chrome-plated), Stainless steel
Working pressure	1.5 MPa (15 kgf/cm ²)
Seal material	Nitrile rubber

HI CUPLA ACE



- Lightweight plastic coupling with safety lock
- Pressure ratings comparable to steel HI CUPLA
- Just push plug into socket for simple connection

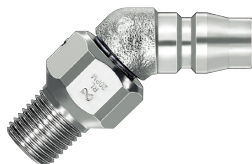


YouTube

Specifications

Body material	Engineering plastics (PBT, POM)
Working pressure	1.5 MPa (15 kgf/cm ²)
	1.0 MPa (10 kgf/cm ²) for Model HA-T
Seal material	Nitrile rubber

ROTARY PLUG



- Newly developed rotary function allows 360° swivelling
- Rotary neck plug for hose connection to pneumatic tools and pneumatic devices
- Fits at 45° angle to the tool eliminating annoying offset load caused by connected hose

Specifications

Body material	Steel (Nickel-plated), Stainless steel
Working pressure	1.5 MPa (15 kgf/cm ²)
Seal material	Nitrile rubber

FULL-BLOW CUPLA



- Unique full-open gate type valve mechanism realizes low pressure loss and high flow rate, which reduces required source air volume
- The flow rate is increased by up to 40% more than that of conventional HI CUPLA
- During connection and disconnection, the valve is closed, enabling connection/disconnection under zero line pressure



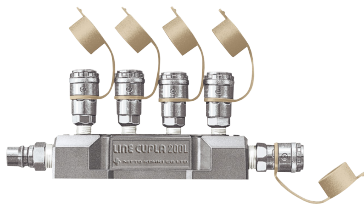
YouTube

Specifications

Body material	Aluminum alloy
Working pressure	1.5 MPa (15 kgf/cm ²)
Seal material	Nitrile rubber

QUICK CONNECT COUPLINGS FOR PNEUMATIC TOOLS

LINE CUPLA



- Enables several air lines to be taken simultaneously from one supply line
- Just push in the plug into socket for simple and secure connection
- Choose from the 2-outlet type (Model 200T), the 5-outlet straight type (Model 200L) and the 5-outlet star type (Model 200S) to suit your application

Specifications

Body material	Aluminum
CUPLA	Steel (Chrome-plated)
Working pressure	1.5 MPa (15 kgf/cm ²)
Seal material	Nitrile rubber

HI CUPLA BL



- Sleeve-lock mechanism prevents accidental disconnection
- Critical structural parts made of steel are heat-treated for increased strength giving greater durability and resistance to wear
- SN-BL type for connection to urethane hose requires no hose clamp

Specifications

Body material	Steel (Chrome-plated), Stainless steel
Working pressure	1.5 MPa (15 kgf/cm ²)
Seal material	Nitrile rubber

PURGE PLUG



- Eliminates an unpleasant popping noise and accidental hose whip on disconnection
- Unique design of air purge system enables the residual pressure release quickly and quietly.
- The function is assured even under a high supply pressure or with a long hose



YouTube

Specifications

Body material	Steel (Chrome-plated)
Working pressure	1.0 MPa (10 kgf/cm ²)
Seal material	Nitrile rubber

ANTI-VIBRATION PLUG HOSE

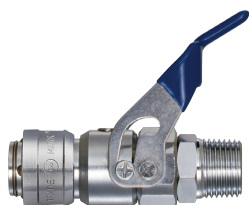


- Protects CUPLA from shock generated by vibrating tools and impact tools
- Prevents hard-to-notice flow reduction caused by CUPLA wears under continuous vibration
- Flexible rubber hose allows free and wide range of tool motion.

Specifications

Size (Thread)	R 1/4", R 3/8"
Inlet (Plug)	HI CUPLA (30PH)
Overall length	320 mm

PURGE HI CUPLA



- Just push in the plug for connection regardless of internal pressure in socket
- Eliminates an unpleasant popping noise and accidental hose whip on disconnection
- Even after connection, lever operation gives perfect control over valve opening/closing

Specifications

Body material	Brass (Chrome-plated)
Working pressure	1.0 MPa (10 kgf/cm ²)
Seal material	Nitrile rubber

ROTARY LINE CUPLA



- Multiple outlets are available from single air supply source.
- Sideway air outlets are rotatable to any angle. Possible hose twists can be eliminated by the swivel mechanism
- Choose either RT type (2 outlets) or RE type (3 outlets) to suit you application

Specifications

Body material	Body: Brass (Chrome-plated), CUPLA: Steel (Chrome-plated)
Working pressure	1.5 MPa (15 kgf/cm ²)
Seal material	Nitrile rubber

Nitto Kohki's Labor Saving Products

Nitto Kohki is capturing the needs of users by introducing to the world not only "machine tools and power "CUPLA" quick connect couplings, and linear-motor-driven piston "compressors/vacuum pumps".

Professional Tools for Assembling High-Technology Goods

Electric screwdriver "delvo" is a high quality tool for professional use, with special emphasis on precise torque control and long-term reliability. "delvo" gives you the ability to get it right, every time.

delvo Brushless Type C series (DLV45C)



DLV45C12L



DLV45C12P



DCC0241X

- Torque range: 0.6 - 4.5 Nm
- Speed: 100 - 1200 min⁻¹
- Machine screw size: 3.0 - 6.0 mm
- Current-controlled torque system
- Built in screw counting function
- Thirty different torque settings can be set on a single screwdriver.



YouTube

delvo Brushless Type C series (DLV04C/DLV10C)



DLV04C10L



DLV10C10L

DCC0101X



- Torque range: 0.05 - 1.0 Nm
- Speed: 100 - 1000 min⁻¹
- Machine screw size: 1.2 - 4.0 mm
- Current-controlled torque system
- Built in screw counting function



YouTube

delvo Brushless Type S series (DLV30S/DLV45S/DLV70S)



DLV30S06P



DLV30S12P



DLV30S20L



DEA0151N-AZ



DEA0241N-AZ

- Torque range: 0.4 - 7.0 Nm
- Speed: 160 - 2000 min⁻¹
- Machine screw size: 2.6 - 8.0 mm
- Automatic speed control function
- Settings can be configured with the Remote Controller
- Built in screw counting function



YouTube

delvo Brushless Type A series (DLV30A/DLV45A/DLV70A)



DLV30A06P



DLV30A12L



DLV30A20P



DLV45A12L

- Torque range: 0.4 - 7.0 Nm
- Speed: 650 - 2000 min⁻¹
- Machine screw size: 2.6 - 8.0 mm
- Brushless motor and newly designed clutch provide a more consistent torque output over the life of the tool
- More accurate torque control and considerably quieter operation when compared to pneumatic screwdrivers



YouTube

*For more information, please visit <https://www.nitto-kohki.co.jp/e/> and see our eCatalog here.

Nitto Kohki's Labor Saving Products

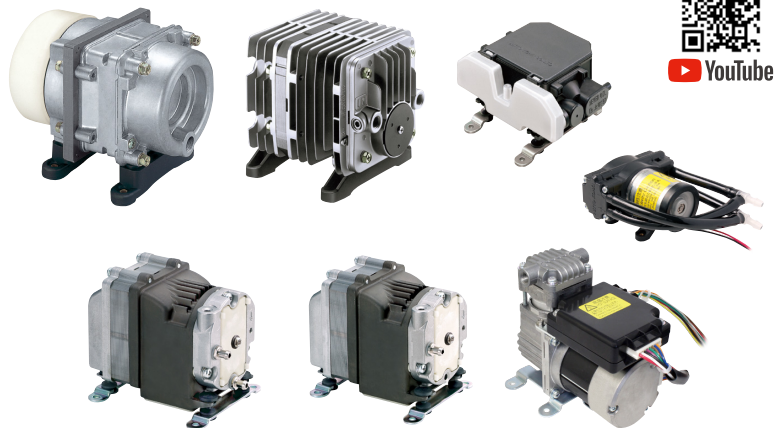
tools”, but also next-generation laborsaving devices, including high precision “delvo” electric screw drivers,

Nitto Kohki's Compressors and Vacuum Pumps will enhance your system flexibility

Nitto Kohki offers a lineup of various types of compressors and pumps. These include linear-driven, electro-magnetic diaphragm, DC, and “bimorph” piezoelectric products. Our compressors and pumps are renowned for being compact and lightweight as well as for their low noise level, clean operation and durability for longer life. In further applying these technologies, we are also expanding applications to various fields that include medical, well-being, health devices and environment related equipment.

AC Linear Free Piston Compressor AC Linear Free Piston Vacuum Pump DC Linear Free Piston Compressor DC Linear Free Piston Vacuum Pump AC Linear Diaphragm Pump DC Diaphragm Pump DC Piston Pump

- Compact, lightweight, low vibration, low noise level, clean operation and longer durability



YouTube

Piezoelectric Pump

- Compact, lightweight, durable and quiet
- Low power consumption and electromagnetic noise



YouTube

DC Diaphragm Liquid Pump

- Built-in pulse absorption chamber
- Many build material options for different liquids
- Self-priming type with air suction acceptable



YouTube

AC Linear Free Piston Blower

- Linear blowers for aeration
- Low noise and easy maintenance

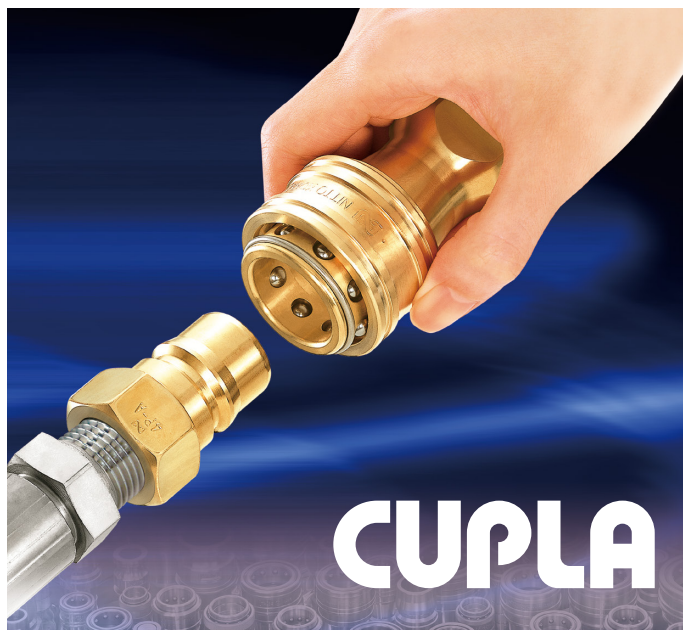


YouTube

Nitto Kohki's Labor Saving Products

Nitto Kohki is capturing the needs of users by introducing to the world not only "CUPLA" quick connect couplings, but also next-generation laborsaving devices, including various "Power and Machine Tools", high precision "delvo" electric screwdrivers, and linear-motor-driven free piston "compressors / vacuum pumps".

Nitto Kohki's Quality Products



Quick Connect Couplings

Nitto Kohki's quick connect couplings, "CUPLA" enables speedy connections/disconnections of various pipings, such as air, water, oil and gas.

Wide varieties of body materials such as steel, brass, aluminum, stainless steel and plastic are available to match every customer's needs.



Compressors, Vacuum Pumps and Their Applied Products

NITTO KOHKI pumps are unique products featuring a linear-motor-driven free piston system. NITTO KOHKI has made available a complete series of air compressors and suction pumps that incorporate this uniquely functional design. These are quite appropriate as air sources or suction power units for various pneumatically operated equipment and apparatus in advanced industries.



High Precision "delvo" Electric Screwdrivers for Professional Use

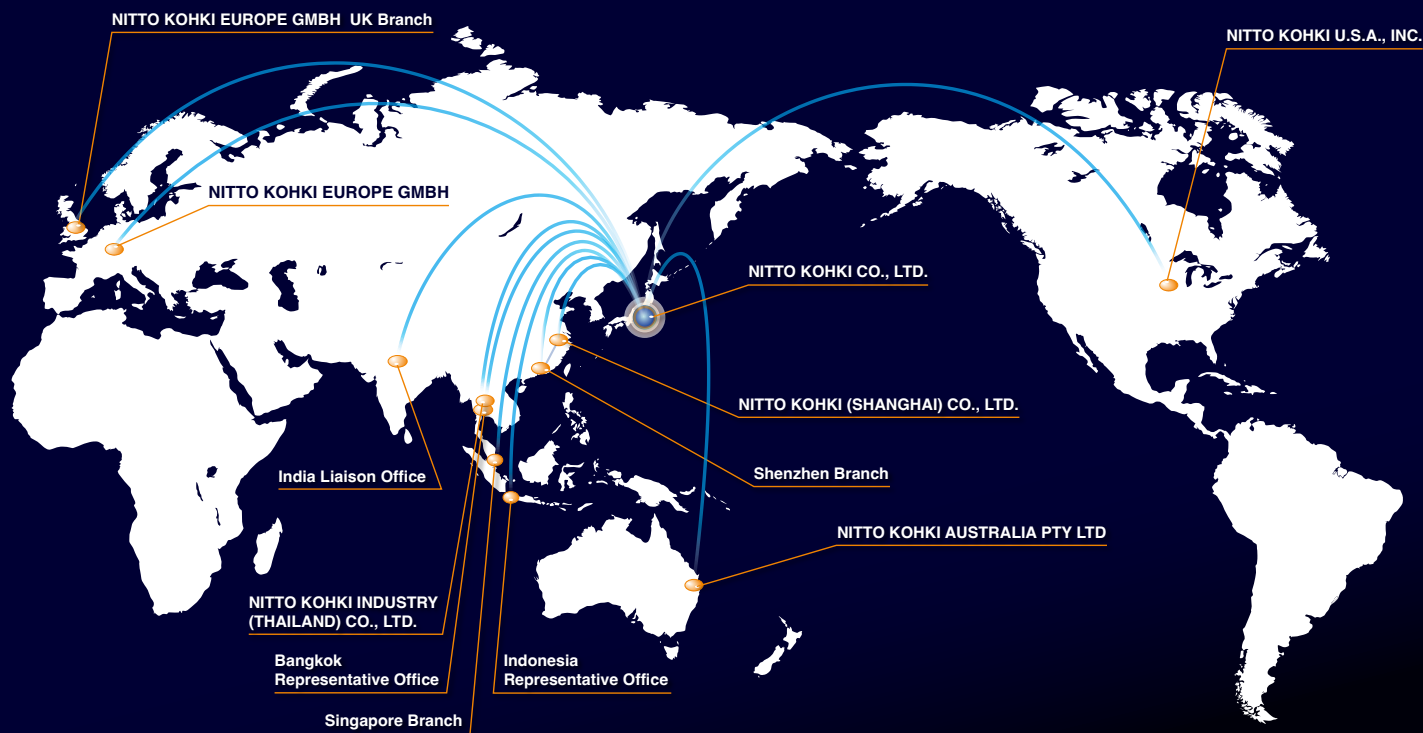
NITTO KOHKI Electric Screwdriver "delvo" is high-quality tools for professional use, with special emphasis on precise control of torque and long life. They apply just the correct amount of torque—with sure, positive control always at your fingertips. They are smooth and shockless in operation, too.



Door Closer "AUTO-HINGE" Series Center Hang Type / Flag Type / Sliding Door Closer

Door closer is a product which allows doors to be closed quietly and safely. Used for various doors worldwide such as medical institutions, wellness centers, offices and transportation equipment. The door closing is automatically controlled by the action of springs and hydraulics, resulting in an armless and neat door.

NITTO KOHKI's GLOBAL NETWORK



NITTO KOHKI CO., LTD.



NITTO KOHKI U.S.A., INC.



NITTO KOHKI EUROPE GMBH



NITTO KOHKI EUROPE GMBH
UK Branch



NITTO KOHKI AUSTRALIA PTY LTD



NITTO KOHKI (SHANGHAI) CO., LTD.

Visit our website
for more information

NITTO KOHKI's
Official YouTube Global Channel

<https://www.youtube.com/c/NittoKohkiGLOBAL>



Safety Guide

Be sure to read and understand all safety precautions mentioned below and to follow the instructions given to operate each Nitto Kohki brand tool as stated in the operator's manual. Keep operators manual close by when operating machines or tools for reference of safe operation and precautions.

Safety Precautions

Failure to observe the following warnings may cause a potentially hazardous situation, which if not corrected could result in serious injury or death. To prevent the risk of fire, electric shock, and/or personal injury, proper safety guidelines should be followed at all times.

Warning for ALL Machines and Tools

- Always keep the work area free from clutter and potentially dangerous conditions such as hanging power cords, working debris, air hoses, and garbage to prevent accidents from occurring.
- Consider proper working environments for each tool carefully. Do not expose tools to extreme amounts of moisture or direct contact with water or rain. Keep area well lit at all times to prevent hidden dangers and never operate the equipment near flammable liquids or in gaseous or explosive atmospheres.
- Keep all tools and tool accessories away from children and all unauthorized personnel. Serious injury or possible death may result from machines being handled by children.
- Properly store machines and accessories while not in use. They should be kept in a dry, locked-up location out of reach of children or unauthorized personnel.
- Improper or negligent use of tools will cause increased maintenance costs, and the amount of time in which to complete the job. Always let the tool do the work at the rate of which it was designed. Best performance is always achieved by reading and understanding the proper operation of each machine or tool.
- Always wear safety glasses and protective hand and foot wear during or around operating tools. Wear a protective hair covering to contain long hair. Do not wear loose clothing and/or accessories as they may be caught in moving parts and inflict serious injury or possible death.
- Wear respiratory protection when working in an environment where dust particles are generated during operation.
- Do not over-reach or allow yourself to become unstable during tool operation and always maintain a correct posture.
- Use clamps or a vise to secure the work piece tightly and eliminate vibration. Never hold the work piece with your hands, keep both hands on the tool for increased productivity.
- Use the right tool or machine that can complete the job within its specifications. Do not attempt to adapt smaller machines or tools to complete a job designed for heavy-duty equipment. Do not use the tools for other than what they were designed for. There is a right tool for each job, be aware of tool limitations and never overload.
- Make sure to inspect all external screws, nuts, bolts and attached accessories are fastened tightly and secure prior to each use. All moving parts should be free from obstruction and allowed to operate smoothly. Any damaged or missing parts should be repaired or replaced by the sales agent or distributor from which the tool was originally purchased. Do not use machines or tools which cannot be activated or stopped with a power switch or lever.
- Do not use any machine with a damaged, frayed, cut, or deteriorated power cords or air hoses. Always replace at the first sign of damage.
- Always remove all tools required to adjust, add, or remove parts from tools prior to use to prevent tool damage or user injury.
- Always avoid an unexpected start by having all power buttons or levers in the off position prior to attaching to a power or air supply. Never carry tools with your finger on the on/off switch or lever when the power or air supply is attached.
- Do not use the power or air supply lines to move, carry or support the tool during usage or transportation. Do not place the power or air line near a heat source, oil, water, or items with sharp edges.
- Never leave a machine or tool running unattended. Keep a firm grip on the designated areas of the machine or tool until it comes to a complete stop. Always turn the power switch or lever to the off position and disconnect from the power source when not in use.
- Do not disassemble or modify a tool to complete a job other than what it was designed for. This will void any warranty on the equipment and may cause serious personal injury or possible death.
- Maintenance is necessary for all machines and tools. Always maintain blades and cutters properly and replace when edges become damaged or are not sharp enough for safe operation. Follow the instruction manual for lubrication needs and adjustment points if applicable. Check the power and air supply lines periodically and change accordingly to safety regulations. If an extension line is adopted, always make sure that it meets or exceeds tool requirements for amperage or air supply before using and is rated for outdoor usage. Change supply lines whenever they are found to be defective or damaged. Keep the grip and handles dry and clean of grease or oil so that it will not disturb proper operation.
- Switch off and disconnect from power source before servicing equipment or changing accessories.
- Be alert and pay close attention to the work being performed at all times. Do not operate machines or tools when heavily fatigued. Users should be aware of all circumstances surrounding their application.
- Use only recommended parts and accessories as per individual machine or tool operator manuals. Use of improper accessories or attachments may result in serious injury or possible death.
- All repairs and services must be performed by authorized Nitto Kohki dealers or technicians.
- Do not deface or remove any label, warning indicator, or nameplate associated with each machine or tool.

Notice for Electric Tools

- The power source must be limited to the individual tools specifications as stated on the nameplate or instruction manual.
- Make sure that all machine and power tools are properly grounded at all times (excludes double-insulated tools). Always use a GFCI (Ground-Fault-Circuit-Interrupt) to protect the user and surrounding persons from electric shock.
- Be aware of low voltage situations. Improperly gauged extension cords or power cords used or shared with other electrical devices will cause all tools on the line to not run at optimal performance. This condition may result in damage to the machine and/or operator.

Notice for Air Tools

- Air pressure at the inlet of the tool must not exceed 0.6 MPa (6 kgf/cm²).

	Model	Prod. No.	Description	Page
A	A-300	090600001	AUTO CHISEL	31
	ACH-16	091800001	AIR CHIPPER	30
	ADR-100	160700020	AIR DRILL	47
	ADR-65	160700030	AIR DRILL	47
	AJC-16	061100001	JET CHISEL	33
	AL-55A	184500001	AIR SONIC	44
	AMB-0307	135400001	MINI BEVELER	27
	AMBL-0307	135600001	MINI BEVELER	27
	AO-5575A 220 - 240 V	016815001	ATRA ACE	11
	APS-125 NVL5H	074903001	PALM ORBITAL SANDER	43
	APS-125 NVV5H	074900001	PALM ORBITAL SANDER	43
	APS-150 NVV6H	075000001	PALM ORBITAL SANDER	43
	ARA-100A 220 - 240 V	016810401	ATRA ACE	5
	ASH-900	111400001	SUPER HAND	45
B	B-10CL	101850001	BELTON	37
	B-20CL	101860001	BELTON	37
	B-20CL-A	101900001	BELTON	37
	B-30CL	101870001	BELTON	37
	BB-10B Lever	101910001	BABY BELTON	39
	BB-10B Ring	101910010	BABY BELTON	39
	BB-20	101700012	BABY BELTON	39
	BC-005	136505101	BURR CUTTER	46
	BHM-02035	TB00390	BROACH HOLDER	16
	BHM-03050	TB00392	BROACH HOLDER	16
	BHM-13075	TB00352	BROACH HOLDER	16
	BHM-14075	TB00354	BROACH HOLDER	16
C	CB-01	136503001	CIRCUIT BEVELER	27
	CB-02	135200001	CIRCUIT BEVELER	28
	CBR-03	136502000	CIRCUIT BEVELER	28
	CH-24	091500001	AIR CHIPPER	30
	CMX-20	075608001	COMPACT MULTI SANDER	41
E	E25-0615 220 - 240 V	155500401	HANDY SELFER	19
	E55-0619 110 - 120 V	155300101	HANDY SELFER	19
	E55-0619 220 - 240 V	155300501	HANDY SELFER	19
	ECB-0203 220 - 240 V	135800300	CIRCUIT BEVELER	26
	EJC-32A 110 - 120 V	065200101	JET CHISEL	34
	EJC-32A 220 - 240 V	065200301	JET CHISEL	34
	EMB-0307C 110 - 120 V	136002400	MINI BEVELER	25
	EMB-0307C 220 - 240 V	136020300	MINI BEVELER	25
F	FS-100C	080900001	FREE SANDER	42
	FS-50A	080600001	FREE SANDER	42
H	HA06-1322	155700001	SELFER	18
	HA07-1624	155800001	SELFER	18
	HA11-1624	155900001	SELFER	18
	HB-15B 110 - 120 V	131000102	HAND BEVELER	25
	HB-15B 220 - 240 V	131000201	HAND BEVELER	25
	HPD-05 115 V	152500601	PUMP	17
	HPD-05 230 V	152500401	PUMP	17
	HPD-05 CE 115 V	152500602	PUMP	17
	HPD-05 CE 230 V	152500402	PUMP	17
	HS06-1322	152100001	SELFER ACE	17
	HS06-1322 CE	152100003	SELFER ACE	17
	HS07-1624	152200001	SELFER ACE	17
	HS07-1624 CE	152200003	SELFER ACE	17
	HS11-1624	152300001	SELFER ACE	17
	HS11-1624 CE	152300003	SELFER ACE	17
	HW-0	169000171	HOSE REEL BALANCER	48
	HW-3	169000181	HOSE REEL BALANCER	48
	HW-5	169000191	HOSE REEL BALANCER	48
J	JC-16	060100001	JET CHISEL	33

	Model	Prod. No.	Description	Page
J	JEX-20	060900001	JET CHISEL	33
	JEX-24	060300001	JET CHISEL	33
	JEX-28	060500001	JET CHISEL	33
	JEX-2800A	060500100	JET CHISEL	33
	JT-10	061300001	JET CHISEL	33
	JT-16	061200001	JET CHISEL	33
	JT-20	061000001	JET CHISEL	33
L	L-25B	180800001	AIR SONIC	44
	L-35C	184100001	AIR SONIC	44
	LO-3550 220 - 240 V	018000401	ATRA ACE	7
	LS-10	170300001	LINE SANDER	42
M	MG-40 Lever	075619001	MYTON	35
	MG-40 Ring	075619092	MYTON	35
	MAH-05	111000001	MICRO AIR HAND	46
	MAH-16	111100001	MICRO AIR HAND	46
	MB-03A 230 V	130500201	MINI BEVELER	26
	MYG-25L	075629001	MYTON	35
	MYG-40L	075630001	MYTON	35
	MYG-50	075621008	MYTON	35
	MYG-70 Lever	075612092	MYTON	35
	MYG-70 Ring	075612001	MYTON	35
	MYS-20L	075627001	MYTON	36
	MYS-40	075611001	MYTON	36
	MYS-70 Japanese	075618000	MYTON	36
O	OSV-60A	074400001	ORBITAL SANDER	43
Q	QA-4000 110 - 120 V	015700101	ATRA ACE	13
	QA-4000 220 - 240 V	015700401	ATRA ACE	13
	QA-6500 220 - 240 V	015800401	ATRA ACE	13
R	RW-0	169000141	RETRACTOR	48
	RW-3	169000151	RETRACTOR	48
	RW-5	169000161	RETRACTOR	48
S	S-1000	090300010	SUPER KELEN	32
	S-250	090100010	SUPER KELEN	32
	S-500	090200010	SUPER KELEN	32
	SC-05 115 V	151000601	PUMP	18
	SC-05 230 V	151000401	PUMP	18
	SH-100A	110500001	SUPER HAND	45
	SHL-40	111500001	SUPER HAND LIGHT	45
	SSW-110	110800101	SUPER SAW	47
T	TW-0	169000021	SPRING BALANCER	48
	TW-00	169000011	SPRING BALANCER	48
	TW-06R	169002101	RECTRACTOR	48
	TW-1R	169000131	RECTRACTOR	48
	TW-3	169000031	SPRING BALANCER	48
	TW-5	169000041	SPRING BALANCER	48
	TW-9	169000051	SPRING BALANCER	48
	TW-15	169000061	SPRING BALANCER	48
	TW-22	169000071	SPRING BALANCER	48
	TW-30	169000081	SPRING BALANCER	48
	TW-40	169000091	SPRING BALANCER	48
	TW-50	169000101	SPRING BALANCER	48
	TW-60	169000111	SPRING BALANCER	48
	TW-70	169000121	SPRING BALANCER	48
W	WA-3500 110 - 120 V	017400111	ATRA ACE	9
	WA-3500 220 - 240 V	017400301	ATRA ACE	9
	WA-5000 110 - 120 V	018100102	ATRA ACE	9
	WA-5000 220 - 240 V	018100301	ATRA ACE	9
	WOJ-3200 110 - 120 V	016600101	ATRA ACE	11
	WOJ-3200 220 - 240 V	016600300	ATRA ACE	11

Power Tools & Machine Tools



Japanese

www.nitto-kohki.co.jp/network/jp/



Vietnamese

www.nitto-kohki.co.jp/network/vi/



English

www.nitto-kohki.co.jp/network/



Indonesian

www.nitto-kohki.co.jp/network/id/



Thai

www.nitto-kohki.co.jp/network/th/



Spanish

www.nitto-kohki.co.jp/network/es/



YouTube

NITTO KOHKI GLOBAL



eCatalog

www.nitto-kohki.co.jp/e/prd/d_cat/

NITTO KOHKI CO., LTD.

Head Office

2-9-4, Nakaikegami, Ota-ku, Tokyo 146-8555, Japan

Tel : +81-3-3755-1111 Fax : +81-3-3753-8791 E-mail : overseas@nitto-kohki.co.jp

Web www.nitto-kohki.co.jp/e/



ISO9001
JQA-2025
ISO14001
JQA-EM4057
H.Q./R&D Lab

Overseas Affiliates / Offices

NITTO KOHKI U.S.A., INC.

46 Chancellor Drive, Roselle, Illinois 60172, U.S.A.

For Tool

Tel : +1-630-924-9393 Fax : +1-630-924-0303

For CUPLA

Tel : +1-630-924-5959 Fax : +1-630-924-1174

For Pump

Tel : +1-630-924-8811 Fax : +1-630-924-0808

www.nittokohki.com/

NITTO KOHKI EUROPE GMBH

Gottlieb-Daimler-Str. 10, 71144 Steinenbronn, Germany

Tel : +49-7157-989555-0 Fax : +49-7157-989555-40

www.nitto-kohki.eu/

NITTO KOHKI EUROPE GMBH UK Branch

Unit A5, Langham Park Industrial Estate, Maple Road,

Castle Donington, Derbyshire DE74 2UT, United Kingdom

Tel : +44-1332-653800 Fax : +44-1332-987273

www.nitto-kohki.eu/

NITTO KOHKI CO., LTD. Bangkok Representative Office

2 Jasmine Building, 22nd Floor, Soi Prasarnmitr(Sukhumvit23),

Sukhumvit Road, North Klongtoey, Wattana, Bangkok 10110, Thailand

Tel : +66-2612-7388

Thai www.nitto-kohki.co.jp/network/th/

Vietnamese www.nitto-kohki.co.jp/network/vi/

NITTO KOHKI CO., LTD. India Liaison Office

14th Floor, Tower 5B, DLF Epitome, DLF Cyber City, Phase 3, Gurugram,

Haryana 122002, India

Tel : +91-124-460-7701

www.nitto-kohki.co.jp/network/

NITTO KOHKI CO., LTD. Singapore Branch

18, Kaki Bukit Road 3, #02-12, Entrepreneur Business Centre, Singapore 415978

Tel : +65-6227-5360 Fax : +65-6227-0192

www.nitto-kohki.co.jp/network/

NITTO KOHKI CO., LTD. Indonesia Representative Office

Plaza Marein 23rd Floor Jl. Jend. Sudirman Kav. 76-78, Jakarta 12910, Indonesia

Tel : +62-21-8065-7808

www.nitto-kohki.co.jp/network/id/

NITTO KOHKI AUSTRALIA PTY LTD

77 Brandl Street, Eight Mile Plains, Queensland 4113, Australia

Tel : +61-7-3340-4600 Fax : +61-73340-4640

www.nitto-australia.com.au/

NITTO KOHKI (SHANGHAI) CO., LTD.

Room 2602, Shanghai International Trade Centre,

No.2201 Yan An West Road, Shanghai 200336, China

Tel : +86-21-6415-3935 Fax : +86-21-6472-6957

www.nitto-kohki.cn/

NITTO KOHKI (SHANGHAI) CO., LTD. Shenzhen Branch

Room 708, Building 1, Wanting Building, No. 2009 Baoyuan Road,

Baoan District, Shenzhen, Guangdong 518102, China

Tel : +86-755-8375-2185 Fax : +86-755-8375-2187

www.nitto-kohki.cn/

DISTRIBUTED BY