

IZOLEX NOK - K

EXOTHERMIC – INSULATING PEAK RINGS – COVERINGS FOR FEEDERS

DESCRIPTION

Exothermic – insulation peak rings **IZOLEX NOK – K** are made of refractory, high insulation and high exothermic materials. **IZOLEX NOK – K** is intended as a covering for a more economical supplying of steel castings and all Ferro-alloys. **IZOLEX NOK – K** rings have good insulation capacity and restrict heat transfer from feeder. At the contact with melt, covering reacts exothermally, which generates the heat into feeder. By using **IZOLEX NOK – K** coatings we guarantee an module increment by a factor of 1,5 to 1,6. Dimensions of standard coverings **IZOLEX NOK – K** for feeders with cylindrical cross section with cone and hardening module from 2,1 to 7,7 (metric) and 2,3 to 4,9 (inch) are shown in the table below.

Standard rings: METRIC

Type	Module [cm]		The dimensions of supply covering [mm]			Volume [dm ³]	
	<u>METRIC</u>	Izolex	geometr.	D ₀	D _u		H
NOK – K 210 M		2,10	1,40	100	69	100	0,41
NOK – K 230 M		2,30	1,50	114	74	100	0,50
NOK – K 270 M		2,70	1,80	130	76	150	0,90
NOK – K 320 M		3,20	2,10	157	97	150	1,40
NOK – K 410 M		4,10	2,70	192	120	195	3,00
NOK – K 480 M		4,80	3,20	222	132	250	5,10
NOK – K 510 M		5,10	3,50	250	150	250	6,50
NOK – K 550 M		5,50	3,80	278	160	250	8,00
NOK – K 770 M		7,70	5,30	410	240	300	23,20

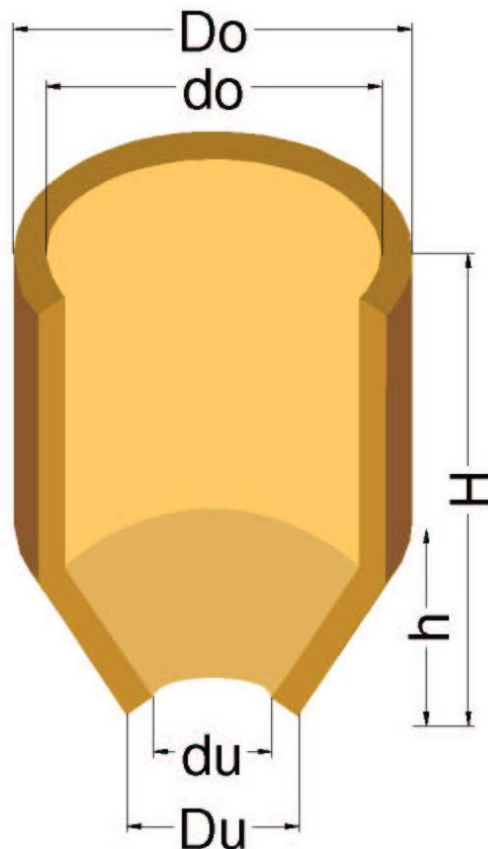
Standard rings: INCH

Type	Module [cm]		The dimensions of supply covering [mm]			Volume [dm ³]	
	<u>INCH</u>	Izolex	geometr.	D ₀	D _u		H
NOK – K 230 I		2,30	1,50	102	64	200	0,80
NOK – K 280 I		2,80	1,90	127	76	200	1,50
NOK – K 330 I		3,30	2,30	153	89	200	2,20
NOK – K 380 I		3,80	2,60	178	102	200	3,10
NOK – K 410 I		4,10	2,80	204	127	200	4,00
NOK – K 440 I		4,40	3,10	229	153	200	5,10
NOK – K 470 I		4,70	3,30	254	178	200	6,30
NOK – K 490 I		4,90	3,40	305	203	200	7,40

IZOLEX NOK - K

EXOTHERMIC – INSULATING PEAK RINGS – COVERINGS FOR FEEDERS

Cross section for exothermic – insulating cylindrical covering with cone **IZOLEX NOK – K**:



USE

Coatings of feeders **IZOLEX NOK – K** have sufficiently high strength that can be used in moulding machines. Dimensional accuracy of the constructed covering also allows subsequent insertion into the completed forms.

To achieve the desired curing module, **IZOLEX NOK – K** open feeder surfaces must be covered with covering dust exothermic – insulating mixtures **LUNKERIT**. We recommend using exothermic strew with good insulating properties **LUNKERIT 303 G**.

Remains of burned coverings of **IZOLEX NOK – K** are, after the casting, solid, crusty, and when cleaning the castings, they can be easily separated from the rest of the sand.

PACKING

Adapters **NOK – K** are packed in cardboard boxes or on pallets wrapped with shrinking wrap. Other forms of packaging are also available.

STORING AND TRANSPORT

Exothermic – insulating adapters **NOK – K** must be protected against moisture, so they must be transported only in covered vehicles. Adapters **NOK – K** must be stored in covered and enclosed spaces. According to international agreement of dangerous substances, coverings **IZOLEX NOK – K** are not dangerous substances.

IZOLEX NOK - K

EXOTHERMIC – INSULATING PEAK RINGS – COVERINGS FOR FEEDERS

PROPERTIES

Rings **IZOLEX NOK – K** have density up to 0,8 kg/dm³. They react exothermally at the contact with melt and produce heat and also prevent heat loss of foundry feeders.

Appearance	like red oval rings of conical shape
Ignition temperature	220 °C
Burning rate	12 s/cm
Moisture content	1% max