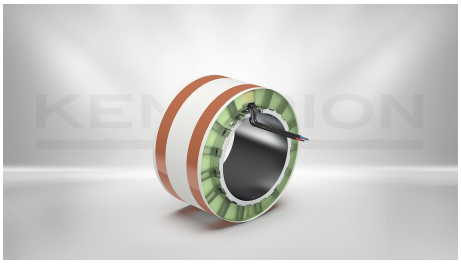
ROLLER INDUCTORS

Inductor round 250 mm HS/HT

Inductor for heating rollers



The round inductor heats rollers with an internal diameter of 250 mm. Several inductors can be mounted on a carrier tube. The modular approach allows different roller widths to be heated. In addition, it enables individual heating of individual roller areas, which enables particularly homogeneous surface temperatures. Due to the high efficiency of the induction systems of approx. 98% of the electrical energy is converted into heat very efficiently. The power density of 38 kW/m² enables rapid heating and precise temperature control up to approx. 250°C, and even up to 300°C in the HT version.

- High efficiency of approx. 98%
- Direct heating of the roller
- Modular design
- Cost-optimized
- Power Control 1 – 100%
- Constant temperature profile
- Maintenance-free

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DESCRIPTION	VALUE
Inner diameter roller	250 mm
Heated Section	approx. 115 mm circumferential
Rated power	3,5 kW
Temperature range	0 ... 240°C, in HT Version up to 300°C
Power density	38 kW/m²
Heating circuits	1
Inductor current	14,4 A
Inductor voltage	1000 Vrms
Efficency	approx. 98 %
Duty cycle	100 % duty cycle
Electrical control	For connection to Kendrion induction generators
Electrical connection	stranded wires
Dimensions (W x H x D)	Details can be found in the drawing
Product status	In preparation
Certifications / Standards	61010 / CE

CONTACT

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PRODUCT

https://www.kendrion.com/en/productfinder/group/product/roller-inductors/inductor-for-heating-rollers

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