

## ROLLER INDUCTORS

### Inductor round 100 mm

Inductor for heating rollers



The round heating inductor heats rollers with an internal diameter of 100 mm. Up to 6 inductors can be supplied ready mounted on a tube or individual coils. Thanks to the modular approach, different roller widths can be realised. It also allows individual roller areas to be heated individually, enabling particularly homogeneous surface temperatures. Due to the high efficiency of the induction systems of approx. 98%, the electrical energy is very efficiently converted into heat.

The almost unrivalled power density of up to 106 kW/m<sup>2</sup> enables rapid heating and precise temperature control up to approx. 250°C.

- High efficiency of approx. 98%
- Direct heating of the roller
- Modular design 1 - 6 inductors per roller
- Cost-optimized
- Power Control 1 – 100%
- Constant temperature profile
- Maintenance-free

DESCRIPTION	VALUE
Inner diameter roller	100 mm
Heated Section	approx. 75 mm circumferential
Rated power	2,5 kW per single coil
Temperature range	0 ... 240°C
Power density	106 kW/m <sup>2</sup>
Heating circuits	1-6
Inductor current	5 A
Inductor voltage	< 1000 Vrms
Efficiency	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 sind der Zeichnung zu entnehmen
Product status	In VorbereitungIn preparation
Certifications / Standards	Low Voltage Directive

## CONTACT

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## PRODUCT

<https://www.kendrion.com/en/productfinder/group/product/roller-inductors/inductor-for-heating-rollers-3-1>