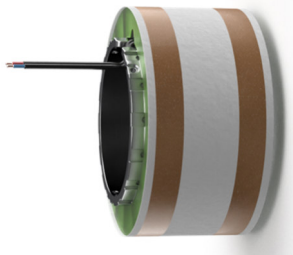
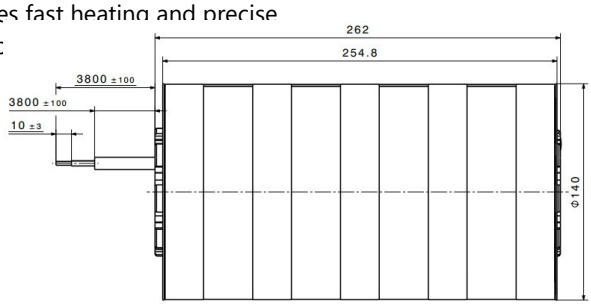
Inductor round | Inductive Heating Systems

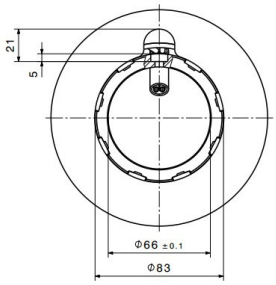
Inductor round 140 mm HS10015

Inductor for induction heating of hot rolls



The round heating inductor heats rollers with an inner diameter of 144 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 22 kW/m² enables fast heating and precise regulation of the temperature up to ap





Advantages at a glance

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

Specifications	Inductor round 140 HS10015
Inner diameter of roller	144 mm
Heated track	approx. 250 mm circumferential
Heating capacity	2.5 kW
Power density	22 KW/m²
Heating circuits	1
Inductor current	10.3 Arms
Inductor clamping	800 Vrms
Efficiency	approx. 98%
Inductor Temperature Range	0 ... 200°C
Electrical connection	stranded wires
Electrical control	For connection to Kendrion induction generators
Standards / Approvals	Low Voltage Directive
Product Status	Standard Product

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