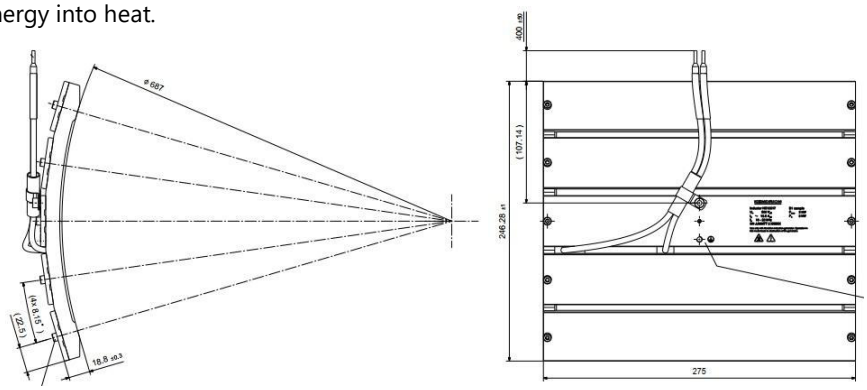
Contour Inductor | **Inductive Heating Systems**

Inductor contour HS10017

Inductor for inductive heating of curved surfaces

Contoured surface inductor for induction heating of curved metallic surfaces with a radius of 687 mm. The HS10017 is specially designed for applications in which standardized surface inductors do not achieve optimal temperature distribution due to the component geometry. The design, which is adapted to the workpiece contour, enables uniform and energy-efficient heating of the surface.
With a heated area of approx. 627 cm², a nominal power of 3.0 kW and a power density of 48 kW/m², the inductor is suitable for precise temperature processes up to 240 °C. Several inductors can be combined to form larger heating systems, whereby individual areas can be controlled independently of each other. The efficiency of approx. 98% ensures efficient conversion of electrical energy into heat.



Advantages at a glance

- Contoured design for curved surfaces
- Temperature range up to 240 °C
- Efficiency of approx. 98 %
- Uniform temperature distribution on curved surfaces
- Can be combined modularly to form larger heating surfaces
- Capacity control from 1 to 100%
- Maintenance-free operation

Specifications	Inductor contour HS10017
Dimensions (L x W x H)	approx. 246 x 275 x 30 mm
Workpiece radius:	approx. 687 mm
Heated area	approx. 627 cm²
Inductor Temperature Range	0 ... 240°C
Rated power	3.0 kW
Power density	48 KW/m²
Inductor current maximum	12.5 Arms
Inductor clamping	500 Vrms
Efficiency	approx. 98%
Electrical connection	Strand
Electrical control	For connection to Kendrion induction generators
Standards / Approvals	Low voltage directive
Product Status	Standard Product

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