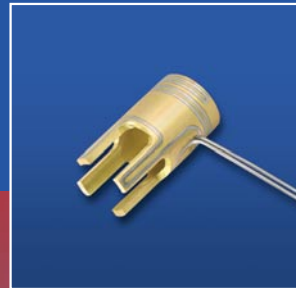
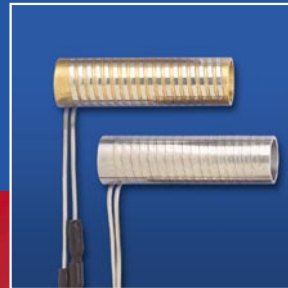
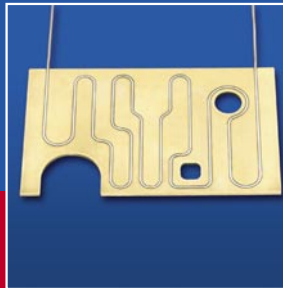
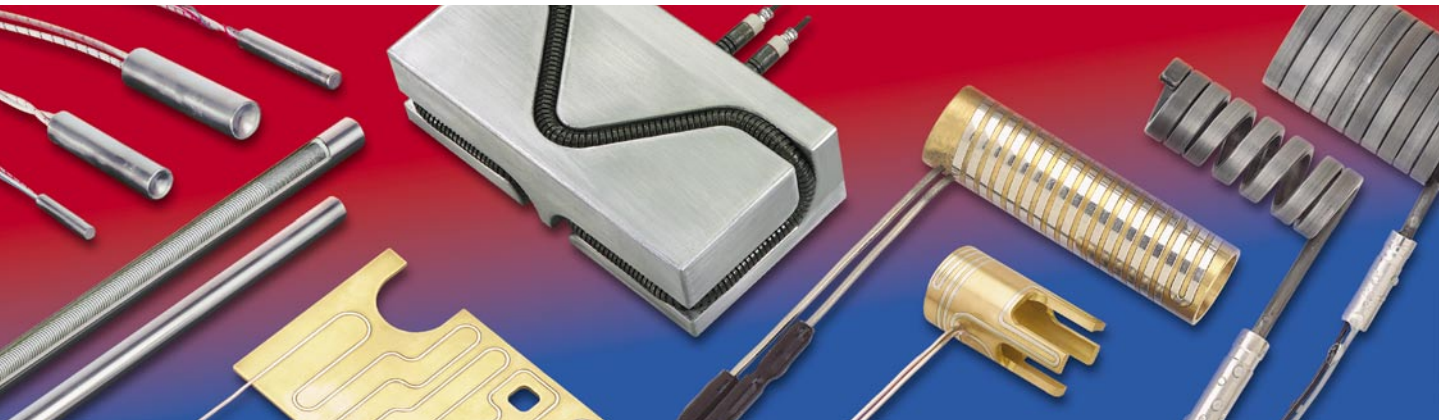


# hotslot<sup>®</sup>

Precise  
heat!





*Since the foundation in 1973 hotset has developed and produced heating elements and since then they have been on an expansion course. Oriented by customer demands hotset proves a special service-request with the solution of heating tasks.*

*With production plants in Lüdenscheid and on Malta hotset offers high production knowledge and innovation force for the future.*

*Starting with a stock heater via simple special heating elements up to customer-specific developments: no matter whether cartridge heaters, coil heaters or innovative products such as hotflex® or hotslot® – with a wide product range as well as high-quality customer-service hotset offers the right solution – also customer-specific.*

*Thus, hotset can prove its innovation force and can offer heating elements which are of high quality, fully developed and are suitable for different applications.*

*Motivated and qualified employees take care that hotset stands for innovation, competence and reliability also in future.*

*Seeing is believing!*

## hotslot®

hotslot® is based on the proven principle of coil heaters (hotspring®/Mini resp. hotspring®/Micro). Pressed into almost any slot e. g. on a turning part or carrier plate, hotslot® provides an optimal power distribution.

A requested heating according to the application-specific requirements can be realised by this principle.

The carrier material made off brass resp. stainless steel can be provided with special holes or cut outs as per desired specification.

Furthermore the hotslot® with a minimum wall thickness of 1 mm (including the heater) allows space saving constructions e.g. in nozzle heating.

With a sheat surface load of maximum 12.5 W/cm<sup>2</sup> of hotspring® heating elements and flexible connection voltage hotslot® provides the heating exactly where it is needed. Reliable, process-sure and space-saving!



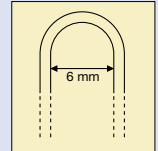
# hotslot®

## Technical data

hotslot® with hotspring®/Mini

- Carrier material: brass resp. stainless steel
- Inserted hotspring®/Mini with nickel resp. stainless steel sheath
- Minimum wall thickness:  $2,0 \pm 0,1$  mm

- Bending radius of inserted heating element: min. 3.0 mm (inner radius)



- Sheath temperature of heating element max. 650 °C

- Voltage: max. 250 V, standard: 230 V

- Wattage tolerance:  $\pm 10$  %

- High-voltage strength (cold): min. 800 V-AC

- Insulation resistance (cold):  $\geq 5$  M $\Omega$  at 500 V-DC

- Leakage current (cold):  $\leq 0.5$  mA at 253 V-AC

- Standard inner diameter: 7 – 75 mm (others on request)

- Standard tolerances of inner diameter:  $\pm 0.05$  mm (standard holes on request)

- Standard length: 25 mm – 100 mm (others on request)

- Standard length tolerances:  $\pm 0.5$  mm (others on request)

- Power distribution

- Any cut-outs possible

- Optional specifications concerning location, length and type of possible connection

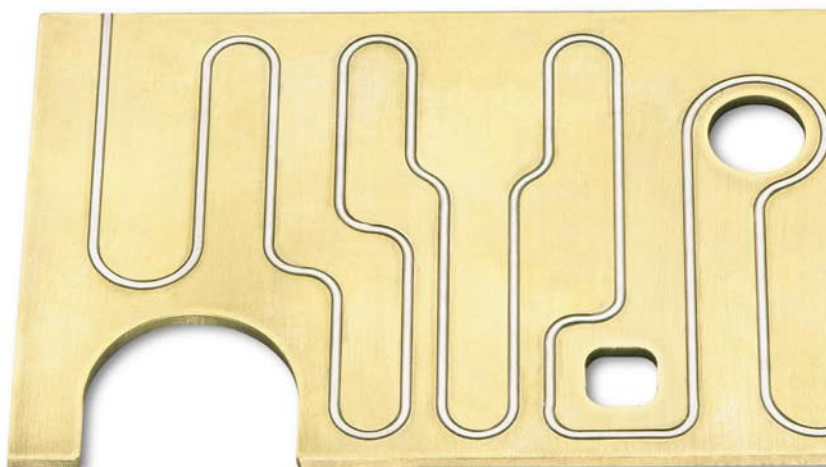
- Sheath thermocouple can be integrated on demand

- Min. length of unheated zone: 25 mm

- Length tolerance of the unheated zone:  $\pm 10\%$ , min.  $\pm 15$  mm

Other dimensions and variants (also with other coil heaters) on request.

We reserve the right to change technical details.



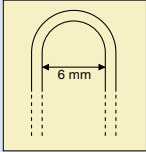


# hotslot®

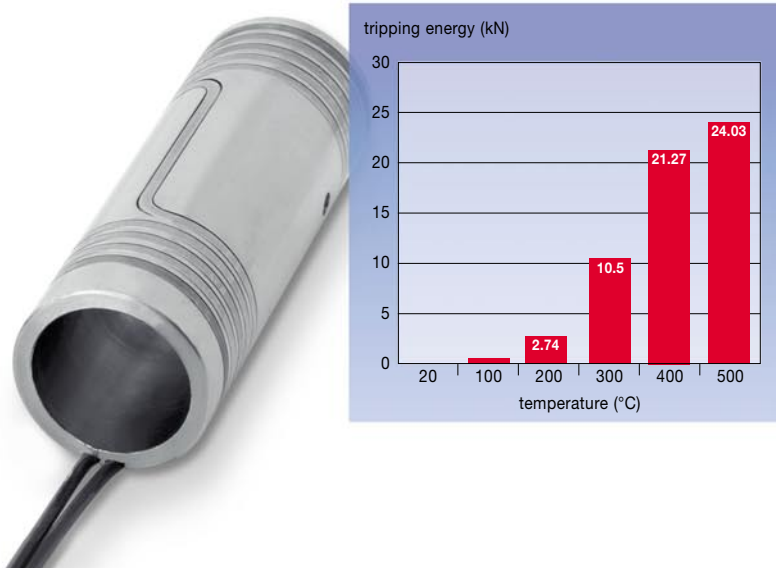


## Technical data

hotslot® with hotspring®/Micro

- Carrier material: brass resp. stainless steel
- Inserted hotspring®/Micro
  - with nickel resp. stainless steel sheath (if carrier material is stainless steel)
  - with nickel sheath (if carrier material is brass)
- Minimum wall thickness: 1,0 ±0,2 mm
- Bending radius of inserted heating element: min. 3.0 mm (inner radius)
 
- Sheath temperature of heating element max. 650 °C
- Voltage: max. 250 V, standard: 230 V
- Power tolerance: ± 10 %
- High-voltage strength (cold): min. 800 V-AC
- Insulation resistance (cold): ≥ 5 MΩ at 500 V-DC
- Leakage current (cold): ≤ 0.5 mA at 253 V-AC
- Standard inner diameter: 5 – 25 mm (others on request)
- Standard tolerances of inner diameter: ± 0.05 mm (standard holes on request)
- Standard length: 25 mm – 50 mm (others on request)
- Standard length tolerances: ± 0.5 mm (others on request)
- Power distribution according to specification
- Any cut-outs possible
- Optional specifications concerning location, length and type of possible connection
- Sheath thermocouple can be integrated on demand
- Min. length of unheated zone: 25 mm
- Length tolerance of the unheated zone: ± 10%, min. ± 15 mm

## hotslot® FIT-system



Other dimensions and variants on request.

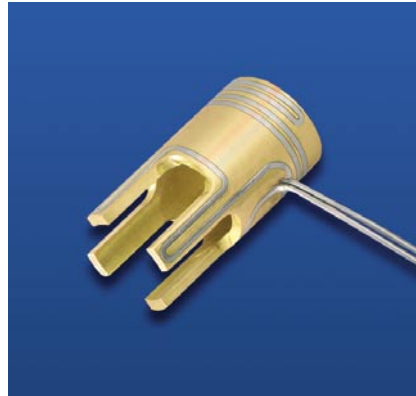
We reserve the right to change technical details.

### Product versions hotslot®



hotslot®  
with clamping  
mechanism

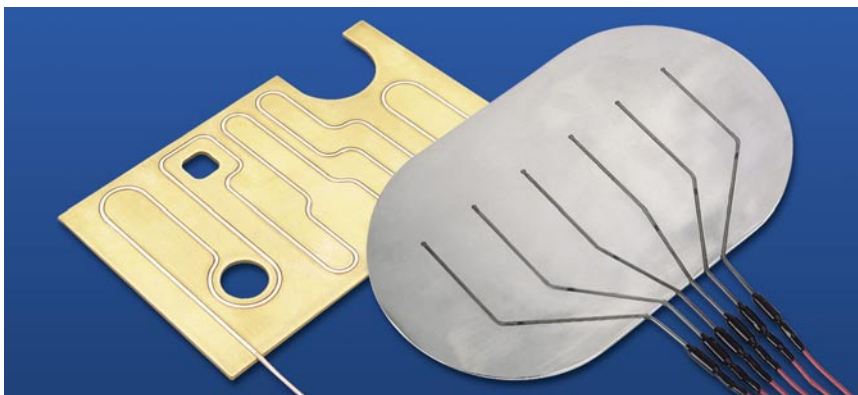
hotslot®  
material: stainless steel



Nozzle heater  
special application



hotslot®



surface heating

## We are looking forward to cooperating with you!

hotset develops and realises  
heating solutions for

- Hot runner technology
- Packaging technology
- Junction Technology
- Rubber-, India rubber (caoutchouc), and silicon processing
- Welding mirror manufacturing
- Extrusion technology

As well as all other industrial applications –  
fast, individually and competent!



hotset – in Germany and more than 30 countries worldwide.  
[www.hotset.de](http://www.hotset.de)