FAG Induction Heating Devices HEATER

Quality and Safety Redefined
Quality and safety redefined!

With the new FAG induction heating devices from the HEATER series, Schaeffler is setting the highest standards in quality and safety.

To make the mounting of bearings and parts even easier and more efficient, all heating devices feature a number of innovative functions that are unique in this product class. And this at an excellent price-performance ratio!

The outstanding performance was tested and certified by TÜV Rheinland.

**Applications**

FAG induction heating devices are ideal for heating
- bearings with a min. bore diameter of 10 mm and a max. outer diameter of 1500 mm.
- bearings with a max. weight of 1200 kg.
- other rotationally symmetric steel parts, such as labyrinth rings, gearwheels, belt pulleys, roll couplings, sleeves, etc.

**Induction heating – principle**

The heart of FAG induction heating devices is a current carrying coil. In all bench top devices, it is situated inside the HEATER housing (see graphic) and not – as in other devices – in the rolling bearing bore.

This position permits uniform, controlled heating. The risk of damaging the heating device or part is reduced significantly. While the part to be mounted is heated, non-metallic parts and the device itself remain cool.
FAG HEATER: Uniform, Stress-relieved Induction Heating

**SCOPE OF DELIVERY**

The scope of delivery of all devices includes (standard accessories): cover // ledges // gloves* // grease

*New gloves, even more heat resistant.

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**HEATER10**

Scope of delivery: standard accessories // optional: carrying case for mobile use

Handy, mobile device for heating small rolling bearings and other rotationally symmetric parts. Ideal for maintenance work, e.g. in cars and electric machines.

- parts of up to 10 kg
- min. bore diameter of 10 mm
- easy to operate
- weighs only 7 kg
- sturdy carrying case for mobile use

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**HEATER20**

Scope of delivery: standard accessories // optional: carrying case for mobile use

Mobile bench top heating device for small rotationally symmetric parts and rolling bearings.

- parts of up to 20 kg
- min. bore diameter of 10 mm
- easy to use
- weighs only 17 kg
- sturdy carrying case for mobile use
HEATER40
Scope of delivery: standard accessories // incl. remote control

For professional mounting work in maintenance workshops and in the production sector. The slewing ledge makes the device easier to operate and simplifies the procedure.

- parts of up to 40 kg
- min. bore diameter of 15 mm
- for stationary use
- slewing ledge simplifies positioning of parts for heating process

Stationary heating device with slewing ledge.

HEATER150
Scope of delivery: standard accessories // incl. remote control

- parts of up to 150 kg
- min. bore diameter of 20 mm
- slewing ledge simplifies positioning of parts for heating process
- 400 Volt technology

Bench top heating device for heating heavy parts in horizontal or vertical position. Available with a separate trolley for mobile use, with a tray for keeping ledges.

- parts of up to 300 kg
- min. bore diameter of 30 mm
- slewing ledge: simplifies positioning of parts for the heating process, saving time
- 400 Volt technology
HEATER600
Scope of delivery: standard accessories // incl. remote control & sliding table

Sturdy, powerful standalone device for the expert mounting of heavy parts.

- parts of up to 600 kg
- min. bore diameter of 45 mm
- vertical ledge
- sliding table simplifies positioning of parts for the heating process
- 400 Volt technology

Technical Data

<table>
<thead>
<tr>
<th>Heating devices</th>
<th>HEATER10</th>
<th>HEATER20</th>
<th>HEATER40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power consumption max. [kVA]</td>
<td>2.3 3.6 3.6</td>
<td>2.3 3.6 3.6</td>
<td>2.3 3.6 3.6</td>
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<td>Current [A]</td>
<td>10 16 16</td>
<td>10 16 16</td>
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<tr>
<td>Temperature display [°C]</td>
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<td>50…240 50…240 50…240</td>
<td>50…240 50…240 50…240</td>
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<tr>
<td>Weight [kg]</td>
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<td>7 17 26</td>
<td>7 17 26</td>
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<tr>
<td>Length [mm]</td>
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<td>240 345 340</td>
<td>240 345 340</td>
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<tr>
<td>Width [mm]</td>
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</tr>
<tr>
<td>Height [mm]</td>
<td>255 230 295</td>
<td>255 230 295</td>
<td>255 230 295</td>
</tr>
<tr>
<td>Ledge(s) W x H x L [mm] included in scope of delivery</td>
<td>10 x 10 x 125 14 x 14 x 200 14 x 14 x 280</td>
<td>20 x 20 x 125 25 x 25 x 200 30 x 30 x 280</td>
<td>30 x 30 x 125 40 x 40 x 200 50 x 50 x 280</td>
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<tr>
<td>Clear width W [mm]</td>
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<td>65 120 180</td>
<td>65 120 180</td>
</tr>
<tr>
<td>Clear height H [mm]</td>
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<td>100 100 160</td>
<td>100 100 160</td>
</tr>
<tr>
<td>Part weight max. [kg]</td>
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<td>10 20 40</td>
<td>10 20 40</td>
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<tr>
<td>Accessory ledge(s) W x H x L [mm]</td>
<td>7 x 7 x 125 7 x 7 x 200 10 x 10 x 280</td>
<td>7 x 7 x 200 10 x 10 x 200 40 x 40 x 280</td>
<td>7 x 7 x 200 10 x 10 x 200 40 x 40 x 280</td>
</tr>
</tbody>
</table>

Scope of delivery: standard accessories // incl. remote control & sliding table
Heater 1200

Sturdy, powerful standalone device with an all-steel construction for heating very large parts.

- parts of up to 1200 kg
- min. bore diameter of 85 mm
- outer diameter of up to 1500 mm
- sliding table simplifies mounting of parts for the heating process
- 400 Volt technology

Scope of delivery: standard accessories // incl. remote control & sliding table
Select the right heating device easily and quickly

FAG Heating Manager is a software for determining the right FAG heating device for your specific application quickly and easily. The selection software can save you a lot of time and makes it easy to find the best solution.

FAG Heating Manager is suitable for everyone who wishes to heat a Schaeffler bearing and is looking for the right FAG heating device for the job. With the help of our bearing database, users can select a bearing from the entire Schaeffler portfolio. Then the software determines the ideal heating device for that bearing using a special algorithm.

Particularly user-friendly: A list of results is created that includes not only the ideal heating device but also a number of alternatives. Alternative devices means:

- that this heating device can also be used for the selected bearing.
- but that possible limitations can occur, e.g. a longer heating time.

These alternatives are helpful to customers who – for example – already own an FAG heating device and are wondering whether it can also be used for their application in hand.

FAG Heating Manager is available in German and English and can be downloaded for free from the Media Library on www.schaeffler.com.

All FAG heating devices may be ordered through your local Schaeffler distributor.