SmartTEMP
INDUCTION HEATER
The premium heating solution for all your mechanical components
Thanks to 30 years of experience on the professional induction heaters market, NTN-SNR is now able to introduce a new range of innovative induction heaters. This new generation of heaters will be able to manage efficiently all your requirements, starting from basic pieces to be heated up to the more sensitive parts that require a state of the art technology in order to be heated safely. The new touch screen will allow the user to operate the heater safely and easily in his own language with the best efficiency ever seen on the market.

**17%**

of premature bearing defects is due to incorrect mounting method

**CORRECT BEARING ASSEMBLY**

is crucial to get the longest service life

**HOT MOUNTING METHOD**

through induction heating reduces damages during assembling

**FOR BEARINGS**

Heating too fast creates a big difference of temperature between T1 and T2, which causes indentations on raceway.

**FOR SPROCKETS**

Sprockets are extremely sensitive to heating time. Heating too fast you will create a big difference of temperature between the inner diameter and the teeth. An uncontrolled heating will create important mechanical stress in the teeth area leading to mechanical deformations and, eventually, to a catastrophic sprocket failure.

A sprockets lifetime starts with a smart mounting.
WHY

LOW OPERATING COSTS

HEATING BEARINGS AND SPROCKETS PROPERLY IS CRUCIAL TO ENSURE A LONGER SERVICE LIFE OF YOUR EQUIPMENT.

The new innovative Temperature mode with two sensors will heat your bearings safely to ensure you achieve optimum service life. The new Ramp mode will safely heat sprockets to help avoid failure during operation.

EFFICIENT

BEST SOLUTION ON THE MARKET TO HEAT BEARINGS FASTER, GEARS OR RINGS WITH LESS ENERGY CONSUMPTION 24/7/365.

- First time a heater can heat bearing or solid part of the same weight.
- Decreased heating time by 30%.
- Designed for intensive use.

EASY TO USE

THANKS TO ITS INNOVATIVE TOUCH SCREEN, SET UP, MONITORING, DATA EXTRACTION ARE EXTREMELY SIMPLE.

- Touch screen in different languages.
- Data download via USB stick.
- Maintenance simplified thanks to a unique autodiagnosis.
TECHNICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th></th>
<th>SmartTEMP S</th>
<th>SmartTEMP M</th>
<th>SmartTEMP L</th>
<th>SmartTEMP XL &amp; XL PIVOT</th>
<th>SmartTEMP XXL</th>
<th>SmartTEMP XXXL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. weight of workpiece (bearing, sprocket, ring…) (kg)</td>
<td>50</td>
<td>100</td>
<td>200</td>
<td>400</td>
<td>800</td>
<td>1600</td>
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<tr>
<td>Min. bore diameter (mm)</td>
<td>10</td>
<td>10</td>
<td>20</td>
<td>30</td>
<td>40</td>
<td>85</td>
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<tr>
<td>Max. outer diameter (mm)</td>
<td>400</td>
<td>500</td>
<td>600</td>
<td>1000</td>
<td>1500</td>
<td>2000</td>
</tr>
<tr>
<td>Power rating (kVA)</td>
<td>3</td>
<td>3.7</td>
<td>8</td>
<td>12.8</td>
<td>25.2</td>
<td>40</td>
</tr>
<tr>
<td>Facility power *</td>
<td>230V/13A</td>
<td>230V/16A</td>
<td>400V/20A</td>
<td>400V/32A</td>
<td>400V/63A</td>
<td>400V/100A</td>
</tr>
<tr>
<td>Temperature setting range</td>
<td>+40°C to 240°C</td>
<td>+40°C to 240°C</td>
<td>+40°C to 240°C</td>
<td>+40°C to 240°C</td>
<td>+40°C to 240°C</td>
<td>+40°C to 240°C</td>
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<tr>
<td>Included</td>
<td>• 3 yokes: 14x14x200 mm 25x24x200 mm 40x38x200 mm 1 temperature sensor 1 pair of gloves</td>
<td></td>
<td></td>
<td>• 1 pivoting yoke: 70x70x350 mm 2 temperature sensors 1 pair of gloves</td>
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* Other voltage on demand

SELECTION GUIDE FOR HEATERS

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