



Reduce bearing heating time and power consumption with SKF® induction heaters

Benefits

- Heats bearings and components evenly to allow for easier mounting
- Reduces heating time and power consumption
- Prevents heat damage to the bearing with thermal overheat protection
- Safer and cleaner than torch or oil bath methods
- Extends service life of the bearing

Typical applications

- Shaft-mounted ball and roller bearings
- Other shaft-mounted components including; sprockets, gears, sleeves
- High volume production involving installation of bearings and other shaft-mounted components
- Applications across all industries where bearings are installed

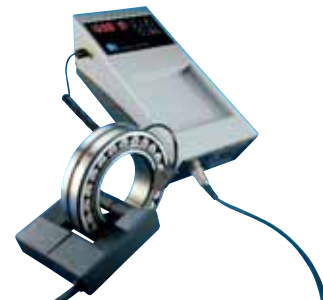
Efficient, cost-saving solutions for bearing mounting

Mounting bearings can cost you time and money if not done properly. Damage caused by heating a bearing with a torch or in an oil bath can shorten the life of the bearing significantly.

The SKF® 360° induction heating solution provides fast, safe, and proper heating of bearings. SKF induction heaters range from portable units to models designed to heat bearings weighing as much as 1,000 kg (2,200 lbs). SKF's broad line of induction heaters will heat virtually any size bearing you replace.

Key Operating Points

- Automatic demagnetization on most models
- Can be set for time or temperature heating
- Maintains bearing temperature by automatically re-heating when temperature drops more than 18° F (10° C) below the proper mounting temperature.



SCORPIO TMBH 1



TIH 030m



TIH 210m



TIH 240m

For more information on SKF induction heaters, or any other SKF Products, contact your SKF Authorized Distributor or visit us on the web at <http://mapro.skf.com>

SKF

Authorized
Distributor



SKF puts more ROI in your MRO.

The whole idea behind the SKF 360° Solution is to help you get more out of your plant machinery and equipment investment.

This means lowering your maintenance costs, or raising your productivity, or both! Following are examples of the SKF 360° Solution at work.

Induction heater keeps the presses rolling

The maintenance manager at a newspaper was frustrated with the time and money being spent to replace press roll bearings. Historically, the maintenance crew used torches to heat bearings and metal hammers to “tap” bearings on the shaft. The bearings failed quickly and had to be replaced often, usually during off hours which required overtime, but occasionally shutting down production.

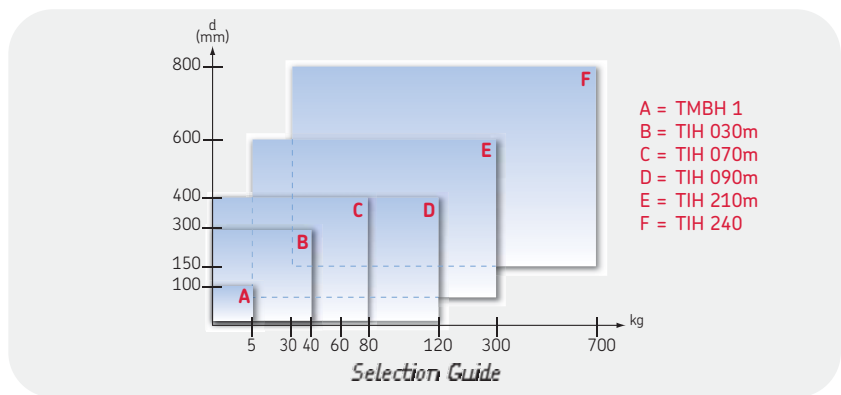
Using an SKF induction heater, bearings were heated with no damage to the steel rings and were installed by simply pushing them on to the shaft by hand. Bearing failure rates went down, overtime costs were reduced, and downtime eliminated.

(Right)

Here’s a summary of the savings realized by this customer*—and the savings that could be available to you!



SKF 360 Solution ROI calculations are from the SKF Documented Solutions Program. Ask your SKF Authorized Distributor for more details.



Selection guide

There are no totally restrictive guidelines to follow when choosing your SKF bearing heater. It will depend on the type and geometrical dimensions of the components you want to heat. Nevertheless, SKF offers this helpful selection guide.

SKF m_{20} concept

“ m_{20} ” represents the weight (kg) of the heaviest SRB 231 bearing which can be heated from 68 to 230 °F (20 to 100 °C) in 20 minutes. This defines the heater’s power output instead of its power consumption.

Annual savings in bearing costs	\$3,000
Annual savings in labor costs	\$3,000
Value of increased productivity (machine uptime)	\$6,000
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Total savings	\$12,000
Cost of SKF induction heater	\$4,500

167% ROI

*All numbers are rounded and based on customer’s estimates of labor, bearing and production costs.



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