

That certain something

Schaeffler delivers complete solutions from a single source for customer applications:

- In-depth understanding of rolling bearings
- Application engineering knowledge
- Expertise in mounting and dismounting

You only need the medium-frequency unit temporarily?

Our rental service (device and mounting technician) is here to help with your application.

Experienced Schaeffler mounting technicians whose expertise covers a wide range of different sectors provide on-site support.



You can learn more about FAG's new heating devices in our technical product information "TPI 217, Induction units with medium-frequency technology"



For more information, visit:
www.Schaeffler.de/en/MFT



FAG Induction Units with Medium-Frequency Technology

Flexibility means technological advances

FAG

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The new FAG medium-frequency heating device



Induction units with medium-frequency technology are an innovative solution for heating large and heavy workpieces. Schaeffler's latest development allows work-

pieces to be heated with even greater flexibility, safety, and efficiency. The key: Generators with digital control systems.

A lightweight solution for numerous applications

Because the unit is significantly more compact and 40% lighter than previous generations of devices, it is mobile and can be used flexibly even in difficult-to-access areas.

Everything under control

The unit is controlled using an intuitive 7" touch panel and offers a wide range of options for safe and complex heating processes.



- The Delta-T control monitors and regulates the permissible temperature differences for two measuring points.
- The temperature control allows easy handling and prevents the workpiece overheating.
- The unit provides helpful clear text messages in the event of malfunctions or errors in the application, thus providing the user with fast and easy assistance.
- The temperature curves are shown on the display and stored for documentation and quality assurance purposes.
- Updates can be made via USB, ensuring that you always have the latest version.

Rigid or flexible – whatever is needed

The FAG medium-frequency heating device comprises a generator and an inductor that can be either rigid or flexible.



Rigid inductors are:

- Manufactured specifically for the application.
- Light and can be easily placed on the workpiece.
- Especially suitable for the dismantling of bearing rings, labyrinth rings, and axlebox bearings in volume production.



Flexible inductors are:

- Similar to a cable, which can be attached to the bore or placed on the outside of the workpiece.
- Up to 40 meters long, depending on the application.
- Uniquely adaptable to different workpieces and also suitable for particularly large bearings, gears, housings, etc.

Resources are more valuable to us

The FAG medium-frequency heating devices work cost-effectively with outstanding performance capability:

- Energy-efficient operation with an efficiency level of > 90 % and significantly lower energy requirements than conventional heating devices.
- Continuous operation (24/7) is possible without interruptions.
- Heating takes place faster than with mains frequency devices, thus increasing productivity.



	HEAT GENERATOR 20-2	HEAT GENERATOR 40-2
Operating frequency	10 - 25 kHz	10 - 25 kHz
Active power	20 kW	40 kW
Fuse protection	32 A	63 A
Cooling	Air cooled	Air cooled
Width	277 mm	365 mm
Depth	610 mm	600 mm
Height	540 mm	695 mm
Weight	Approx. 30 kg	Approx. 55 kg