

Press Release

Schaeffler at InnoTrans 2024 (Hall 21, Booth 430)

Smart Maintenance Tools for safe and efficient maintenance

SCHWEINFURT, 2024-09-18.

- Expanded range of tools under the “Smart Maintenance Tools” label
- Self-centering mechanical and hydraulic extractors for fast, easy handling
- Thermal tools for fast, material-friendly, energy-saving mounting operations

Between 10 and 20 percent of all bearing failures are caused by incorrect handling during maintenance. Accordingly, at InnoTrans 2024, Schaeffler is showcasing its Smart Maintenance Tools (formerly Bega Special Tools), an expanded range of solutions for the ergonomic, safe and material-friendly mounting and dismounting of powertrain components.

Hydraulic and mechanical extractors

The Schaeffler display includes self-centering mechanical and hydraulic 2- and 3-arm extractor tools from its MSP (mechanical), HSP and HXP (hydraulic) series of products for the safe, easy mounting of small to medium-size components.

In terms of handling solutions specifically for large rail and metro bearings, couplings and wheels, Schaeffler is presenting the BETEX HXPM, which has a maximum pulling capacity of 150 tons, and the BETEX BPP, which has a maximum capacity of 100 tons. These tools are height-adjustable and easy to maneuver, so they can be operated quickly, easily and safely – even by a single technician working on their own. Moreover, the intelligent tool design minimizes the risk of damage to axles and to the bearings and wheels being mounted or dismounted. Both types of tool – mechanical and hydraulic – are self-centering.

Thermal bearing tools

For mounting and dismounting large workpieces, Schaeffler also offers mobile and highly versatile induction heaters featuring Medium-Frequency Technology (MFT). Thanks to their shorter heating times, these heaters cut bearing mounting and dismounting times in half. This productivity gain dramatically reduces maintenance costs.

Schaeffler’s “HEATER”-series induction heating devices are used for fast and gentle heating of complete rolling bearings, inner rings of rolling bearings and other rotary machine elements that have to be fixed onto a shaft and thermally expanded before assembly.

Schaeffler Group – We pioneer motion The Schaeffler Group has been driving forward groundbreaking inventions and developments in the field of motion technology for over 75 years. With innovative technologies, products, and services for electric mobility, CO₂-efficient drives, chassis solutions, Industry 4.0, digitalization, and renewable energies, the company is a reliable partner for making motion more efficient, intelligent, and sustainable – over the entire life cycle. The Motion Technology Company manufactures high-precision components and systems for drive train and chassis applications as well as rolling and plain bearing solutions for a large number of industrial applications. The Schaeffler Group generated sales of EUR 16.3 billion in 2023. With around 84,000 employees, Schaeffler is one of the world's largest family-owned companies and one of Germany's most innovative companies.

Mobile hydraulic unit for mounting and dismounting axlebox bearings in rail vehicles Bild: Schaeffler

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Induction heater with Medium-Frequency Technology (MFT), designed primarily for mounting and dismounting large bearings Image: Schaeffler

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“HEATER” induction heating unit for the gentle and safe mounting of rolling bearings and other workpieces Image: Schaeffler

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