

Press Release

Schaeffler at the AMB 2022, Hall C2, Booth E21

Digital addition to rolling bearing products: The Schaeffler Bearing Data Service

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- Data-based additional service saves time and costs and ensures increased transparency in the mounting of spindle bearings
- Measurement records and logistical information for tracking rolling bearing products available at any time
- Digitalization of incoming goods processes and warehousing

The correct mounting of spindle bearings is one of the particularly challenging manual tasks in spindle production. Manufacturing tolerances must be observed, bearing and spindle data retrieved, and matching bearings and shims selected. After mounting, it is important to document the entire process. Schaeffler's new Bearing Data Service simplifies this process by making all individual spindle bearing data – in particular the measurement records from production – available digitally using a data matrix code (DMC) and a cloud solution.

The DMC according to the GS1 standard contains the individual bearing serial number for clear identification of the bearing. Following implementation of a software solution by the spindle manufacturer, the date of manufacture, diameter tolerances, width deviation, contact angle, and deviation from the nominal projection can be transmitted online at any time via the serial number. Order documents, PDF files or manually created Excel lists as well as the associated manual steps, challenges, and problems are now a thing of the past. The DMC enables 100% traceability and the digitalization of the incoming goods process allows the spindle manufacturer to reliably monitor his own stock. This simplifies the pairing of bearings, shafts, and housings and accelerates the spindle mounting process.

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 83,400 employees, Schaeffler is one of the world's largest family-owned companies and one of Germany's most innovative companies.

All Schaeffler spindle bearings with a bore diameter from 25 mm up to an outside diameter of 320 mm are marked with a DMC.

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