

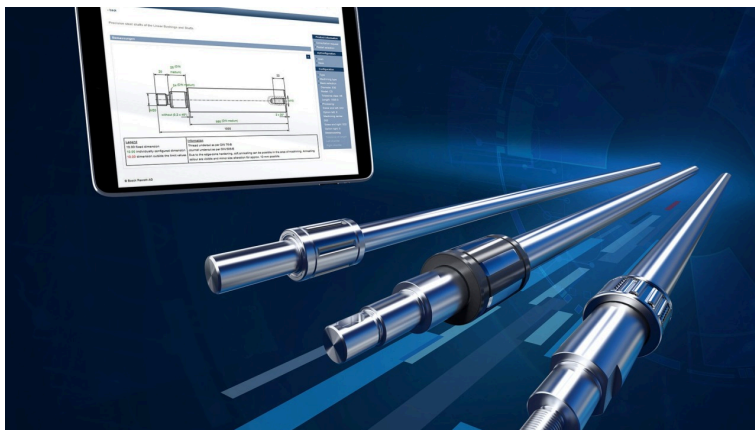
PRESS INFORMATION

Online-Konfigurator für Präzisions-Stahlwellen

Manuela Kessler | 12.04.2022 | Lohr am Main / Germany | PI 007/22

Precision steel shafts from Bosch Rexroth can be fully configured and ordered online

- Comprehensive: New options for machining shaft ends and middle sections
- Complete: All shaft support rails from the catalog integrated
- Efficient: Intuitive process including plausibility check and CAD data



Intuitive, digital and smart: Bosch Rexroth's online configurator now includes a full range of precision steel shafts which are optionally available as complete round guides including linear bushings. (Image source: Bosch Rexroth AG)

At Bosch Rexroth, all standard precision steel shafts can now be configured online. A full range of shaft support rails is also integrated into the configurator. With the new range of products available via the online configurator, engineers and technicians can select, adapt and order their shafts before importing them into their CAD system. Comprehensive new options for end and radial machining double the range of configurable shafts to a total of over 9,000 variants. The guided selection process takes just a few minutes and a plausibility check helps to avoid errors when entering information.

The online configurator now provides six new options for machining the shaft ends. These include end holes, journal with connection journal and internal thread or internal thread with preset fitting bore. Depending on the type of shaft, the precision steel shafts for linear bushings which can be configured online are available in lengths ranging from 15 to 6,850 mm and in diameters ranging from 3 to 110 mm.

In addition to individually configurable full and hollow shafts, the online configurator now features all variants with shaft support rails too. These are designed to protect the shaft against bending when it is transporting high loads over long distances. The options for the radial machining of shaft middle sections in particular have been expanded. Not only vertical internal threads but also through-hole threads and drill holes with or without countersinking are available.

The associated linear bushings can be used for a wide range of applications. They have a very long service life and offer excellent running speed, smooth running and rigidity. The standard

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design can also be used at temperatures of up to 200 °C. Rexroth linear bushings are now available in countless different variants: Closed or open, corrosion-resistant, with wiper seals or longitudinal seals, with or without a flange or as a complete linear set.

In order to allow customers to choose the right round guides or linear bushings quickly and easily, Bosch Rexroth also provides the Linear Motion Designer (LMD) design tool. The calculation program guides users intuitively through the design process and can pass on the results to the online configurator if required. The fully digital tool chain thus covers the complete engineering process for precision steel shafts through to ordering – including pricing, automatically generating the production order and providing the CAD data. The order confirmation also includes a clear material number which can be used to reorder the particular shaft without having to reconfigure it. The user also receives the associated 2D and 3D CAD data straight away.

The online configurator is available in eight languages.

Basic Information Bosch Rexroth

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile Applications, Machinery Applications and Engineering, and Factory Automation. With its intelligent components, customized system solutions and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries, more than 31,000 associates generated sales revenue of around 6.2 billion euros in 2021.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,600 associates worldwide (as of December 31, 2021). The company generated sales of 78.7 billion euros in 2021. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in some 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. With its more than 400 locations worldwide, the Bosch Group has been carbon neutral since the first quarter of 2020. The basis for the company's future growth is its innovative strength. At 128 locations across the globe, Bosch employs some 76,100 associates in research and development, of which more than 38,000 are software engineers.

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