

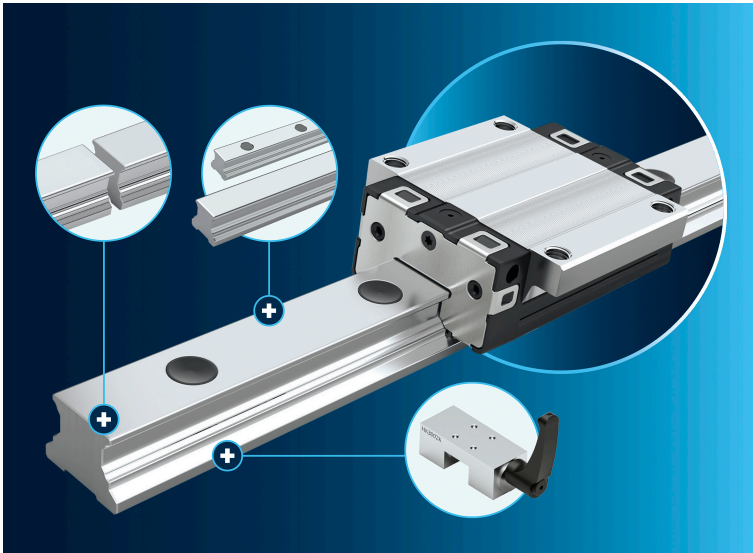
PRESS INFORMATION

Motion Greater flexibility in the mid-range performance segment

Manuela Kessler | 18.05.2026 | Lohr am Main / Germany | PI 023/26

Bosch Rexroth expands its range of BSCL ball rail systems to include new options for length, mounting, and accessories

- Multi-piece linear guides with overall lengths of up to 50 m
- New option for fixing from below for optimum cleanliness and service life
- Expanded range: manual clamping units available as accessories
- Cost-effective solution with the usual Rexroth quality



Portfolio expansion: The BSCL ball rail systems for the mid-range performance segment now come in lengths of up to 50 m and can be fixed from below. Manual clamping elements are now also available as accessories. (Image source: Bosch Rexroth AG)

Bosch Rexroth has improved the BSCL ball rail systems for the mid-range performance segment: The portfolio now includes multi-piece guide rails in lengths of up to 50 m, a simple fixing option, and manual clamping units as accessories. Thanks to more efficient production, the price-optimized linear guide is now available in the usual Rexroth quality, and covers an even wider range of applications.

The BSCL (Ball Rail System Compact Line) ball rail systems are ideally suited for simple and demanding applications in automation, woodworking, the electronics industry, battery manufacturing, the printing industry, or as feed axes.

As part of the portfolio expansion, up to 15 individual pieces can now be combined to form one long linear guide with a length of up to 50 m. Multi-piece guide rails allow specific lengths, for example in timber construction or the printing industry, to be realized cost-effectively.

Another new feature is the possibility of fixing from below. Unlike when fixing the guide rails from above, it eliminates the need for caps. At the same time, the smooth surface reduces abrasion and wear, which extends the service life. Compared to a guide rail with a cover strip, no additional assembly effort is required. Fixing from below is beneficial, for example, in environments with high levels of dirt or dust, such as in the woodworking or packaging industry. Furthermore, Bosch Rexroth now also offers manual clamping units for the BSCL, thereby simplifying the purchasing and procurement of the linear guide and its accessories. Clamping

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units are primarily used to secure workpieces in place so that they can be machined safely, accurately, and with repeatability.

The sealing concept, which is optimized for a longer service life, offers greater profitability, as does the simple cutting to length and machining of the ends without deburring and time-consuming chamfering.

Thanks to the flexible interchangeable design, runner blocks of different accuracies and preload classes as well as the profiled rail systems in the Rexroth range that are the same size as the BSCL can also be combined with one another as required. This simplifies logistics and reduces the cost of servicing.

Optimally positioned between high-precision guides and shaft guides

With a C50 dyn load capacity of up to 99,800 N and a maximum speed of up to 5 m/s, the BSCL series closes the gap in the mid-range performance segment between the high-precision ball or roller rail systems and linear bushing or cam roller guides. The BSCL ball rail systems are available in six sizes from 15 to 45 (15, 20, 25,30, 35 and 45) with six runner block designs (flange or slimline design) as well as in three preload classes and the three accuracy classes N, H, P.

The BSCL ball rail system can be selected, configured, and ordered online in just a few minutes via the Linear Motion Technology Selector. All product-relevant information including a CAD model is also provided. The global Rexroth sales and service network ensures quick delivery and maximum availability.

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 and Industrial Applications as well as Factory Automation. With its intelligent components, customized system solutions, engineering 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, around 31,900 associates generated sales revenue of 6.5 billion euros in 2025.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 413,000 associates worldwide (as of December 31, 2025). The company generated sales of 91 billion euros in 2025. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. With its business activities, the company aims to use technology to help shape universal trends such as automation, digitalization, electrification, and artificial intelligence. In this context, Bosch's broad diversification across regions and industries strengthens its innovativeness and robustness. Bosch uses its proven expertise in hardware, software, and services to offer customers cross-domain solutions from a single source. It also applies its expertise in connectivity and artificial intelligence in order to develop and manufacture intelligent, user-friendly, and sustainable products. With technology that is "Invented for life," Bosch wants to help improve quality of life and conserve natural resources. The Bosch Group comprises Robert Bosch GmbH and its roughly 500 subsidiary and regional companies in over 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. Bosch's innovative strength is key to the company's further development. Bosch employs some 82,000 associates in research and development.

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