

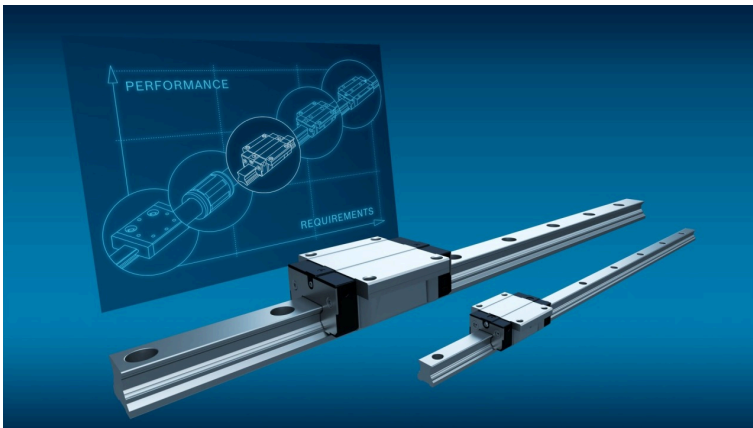
PRESS INFORMATION

All-round guides in Rexroth quality

Manuela Kessler | 02.04.2024 | Lohr am Main / Germany | PI 001/24

The new BSCL ball rail system complements the portfolio as a high-quality, attractively priced solution for standard tasks

- Quick end machining after cutting to length thanks to easy deburring
- Digital selection and ordering, worldwide delivery from warehouse
- Rails and runner blocks can be combined flexibly and replaced individually



Versatile and sustainable solution: The new BSCL ball rail system reduces machining and automation costs in a variety of standard applications. The runner block and rail can be replaced separately. (Image source: Bosch Rexroth AG)

With the BSCL (Ball Rail System Compact Line), Bosch Rexroth has expanded its portfolio, adding a versatile, high-quality linear guide that offers excellent value for money. The new product family for applications with lower performance requirements complements the BSHP high-precision range. The economical guides are particularly suitable for use in assembly and handling tasks as well as for woodworking systems or in machine tools.

With six sizes from 15 to 45, six runner block designs, three pre-load classes and the three accuracy classes N, H and P, the new BSCL product family covers a broad range of applications. The C100dyn load capacity is up to 79,200 N, while the maximum speed is 5 m/s.

With the new BSCL ball rail systems, Bosch Rexroth closes the gap between high-precision ball rail systems and simpler guide rail systems such as linear bushings or cam roller guides. This makes it possible to put together machines and systems that reflect the familiar high Rexroth quality – as well as appropriate performance and precision with optimum value for money – in an application-oriented manner.

Digital engineering, quick delivery and installation

Like all linear guides from Bosch Rexroth, the BSCL ball rail system can be selected, configured and ordered online quickly and easily using modern e-tools. The global Rexroth sales and service network ensures quick delivery and maximum availability.

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The profiled rail systems in the new range are available in lengths of up to four meters in one piece and can easily be shortened to the desired length using simple tools. After cutting to length, the ends only need to be deburred – there is no need for time-consuming chamfering. In addition, precision rails and runner blocks of the same size can be combined with each other as required. This makes logistics easier and reduces the work involved if servicing is required.

Long service life reduces maintenance costs

The sealing concept of the runner blocks prevents chips and other contaminants from infiltrating the runner blocks, thus helping to ensure a long service life. The runner blocks are supplied with initial lubrication and can be relubricated from both end caps. The design with eight lubrication points gives users greater freedom. Front seals, scraper plates and front lube units are available as accessories.

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 more than 32,000 associates generated sales revenue of around 7.0 billion euros in 2022.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 421,000 associates worldwide (as of December 31, 2022). The company generated sales of 88.2 billion euros in 2022. Its operations are divided into four business sectors: Mobility, 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 470 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. The basis for the company's future growth is its innovative strength. At 136 locations across the globe, Bosch employs some 85,500 associates in research and development, of which nearly 44,000 are software engineers.

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