

PRESS INFORMATION

Record-breaking fast runner blocks

Mike Thompson | 06/18/2024 | USA | PI 002/24

With the new Rexroth high-speed runner blocks, larger loads can now be moved more quickly

- New sizes from 45 to 65 with high load capacities complete the portfolio.
- Up to 100 % faster than standard runner blocks
- Digital selection and ordering, available worldwide as a standard product

Accelerate processes to boost productivity and reduce costs: With this aim in mind, Bosch Rexroth is expanding its portfolio of high-speed runner blocks to include sizes 45, 55 and 65. The linear guides have top speeds of up to 10 m/s, which is almost equal to the current world record of under 9.6 seconds for the 100 meter sprint.

The new high-speed runner blocks complement the existing sizes from 15 to 35 and can now move heavier loads twice as fast as the standard versions.

Their larger size allows for higher load capacities, meaning there is potential for longer intervals between maintenance. This extends the service life of the overall system.

The development of the new larger sizes is based on Bosch Rexroth's many years of experience with the smaller high-speed variants. Thanks to the transfer of know-how, sizes 45, 55 and 65 achieve maximum speeds of up to 10, 7.5 and 5 m/s with a high load capacity.

The new high-speed runner blocks help users in many fields to speed up processes and thus increase productivity and efficiency. Typical applications for the new sizes include feed and removal axes for plastic injection molding machines and presses. Other examples include crash test equipment, fast handling units for large loads and applications with crank drives or linear motors.

Digital engineering, quick delivery, efficient service

Like all runner blocks from Bosch Rexroth, the high-speed variants can be ordered online quickly and easily using modern e-tools. The runner block configurator, for example, speeds up digital engineering thanks to straightforward selection and configuration. The global Rexroth sales and service network ensures quick delivery and maximum availability. Rexroth runner blocks and rails can also be replaced independently of each other. As a result, they are not only economical – they also help to conserve resources too. The replacement service also provides opportunities to upgrade to higher accuracy classes.

Record-breaking speed: With speeds of up to 10 m/s, the high-speed runner blocks from Bosch Rexroth function very close to the current world record of under 9.6 seconds for the 100 meter sprint. (Image source: Bosch Rexroth AG)

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

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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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