

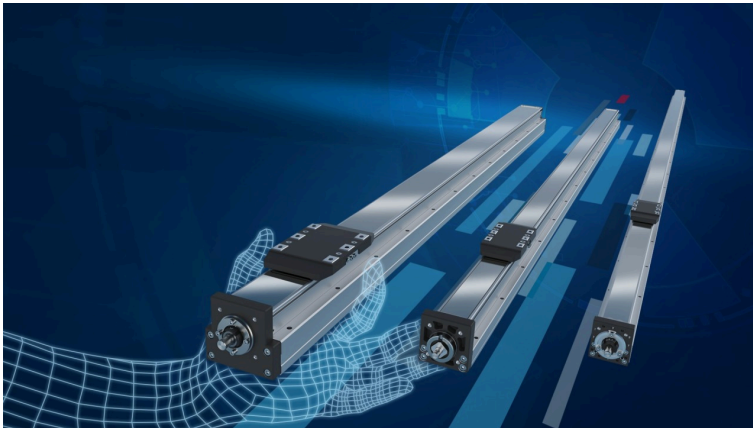
PRESS INFORMATION

Cost-effective handling of small parts

Manuela Kessler | 19.10.2022 | Lohr am Main / Germany | PI 055/22

New ultra-compact SMS linear modules position small masses accurately and economically, thus paving the way to electrification

- Five preconfigured sizes from 30 to 120 mm
- Compact with optional attachment kit for motors
- Straightforward online ordering, quick delivery from stock



The new linear axes are suitable for handling cost-sensitive small parts and as an alternative to complex pneumatic solutions. (Image source: Bosch Rexroth AG)

Bosch Rexroth has expanded its portfolio of linear axes by adding SMS (Small Modules Screw driven), the ultra-compact range with ball screw assembly. The particularly flat and light linear modules are ideal for simple positioning and feeding tasks and allow economical electrification with a high repeatability. The five predefined sizes from 30 to 120 mm can be selected from the Rexroth online shop. They will then be delivered immediately from stock. Optional attachment sets for motors from various manufacturers are also available. These help to save even more time during engineering.

The linear modules are manufactured to the usual Rexroth quality standards. They offer excellent value for money and a high repeatability of up to ± 0.005 mm. They can be used in a wide range of different areas. These include the consumer goods and packaging industry, semiconductor and battery production, 3D printing, the automotive sector, medical technology and typical mechanical engineering applications. The focus here is on positioning small masses in cost-sensitive areas with low to medium dynamics. Thanks to low system and service life costs, the SMS linear modules are also an efficient alternative to pneumatically driven axes.

The electromechanical axes have a particularly flat and compact aluminum profile with integrated, precision guideways. A magnetically fixed steel cover strip protects the components inside. The product range include five tailored module sizes from 30 to 120 mm for travel ranges of up to 1,200 mm.

The new SMS linear modules can be ordered with no need for additional calculation work via the integrated product selector in the Rexroth online shop. To save even more time during engineering, separate attachment sets for popular servo motors are available – either as a flange coupling or a belt side drive. Customers can also choose from a range of drive controllers and

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motors from Bosch Rexroth. All linear modules from the SMS range are available immediately from stock.

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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