

SCHNEEBERGER press release MONORAIL BM

New carriage types expand the range of applications

The MONORAIL BM profile rail guideways have been an important component of the SCHNEEBERGER product range for many years. Now the product range has nearly doubled by the addition of new BM carriage types, featuring low and short versions. This opens up numerous new areas of application.

The robust and economic MONORAIL BM ball guideways from SCHNEEBERGER are reliable components for the entire range of industrial applications. They have a proven track record, for instance, in medical devices, semiconductor as well as in other sectors like measuring technology, automation, robotics, optics, and of course, in the machine tool industry.

In order to meet more extensive demands, SCHNEEBERGER developed new carriage types which expand on the previous "standard" and "compact" versions. The new carriages are shorter and/or lower and do not necessarily conform to the ISO standard. This opens up further areas of application, for example, in woodworking and sheet-metal working or in water jet and laser cutting systems.

The familiar strengths are also featured in the new carriages for the MONORAIL BM guideways. They are efficiently sealed with longitudinal and transverse wipers. These prevent dirt from penetrating and minimize lubricant loss. This ensures a longer service life with minimum maintenance. The optimized roll body rotation gives the BM systems outstanding running characteristics; in particular, they run smoothly with low pulsation, low friction, and high travel speeds.

The BM 15 version features induction hardened or fully hardened trapezoidal MONORAIL BM guide rails - available in lengths of up to three meters (per single rail). Types 20, 25, 30, 35 and 45 are even available in lengths of up to six meters. Greater distances can be traveled by linking several rails together. Because of the considerable length of the rail segments, only very few contact points are required, which makes for fast and easy assembly and a high degree of accuracy.

For especially accurate travel movements, the AMSA, AMSABS, and AMSD distance measuring systems from SCHNEEBERGER can be integrated into the BM MONORAIL guideways. By using the MONORAIL BZ, the additional advantages of a high-precision, integrated rack drive can be achieved. Further accessories such as bellows, additional wipers, lubrication plates and many others are also available.

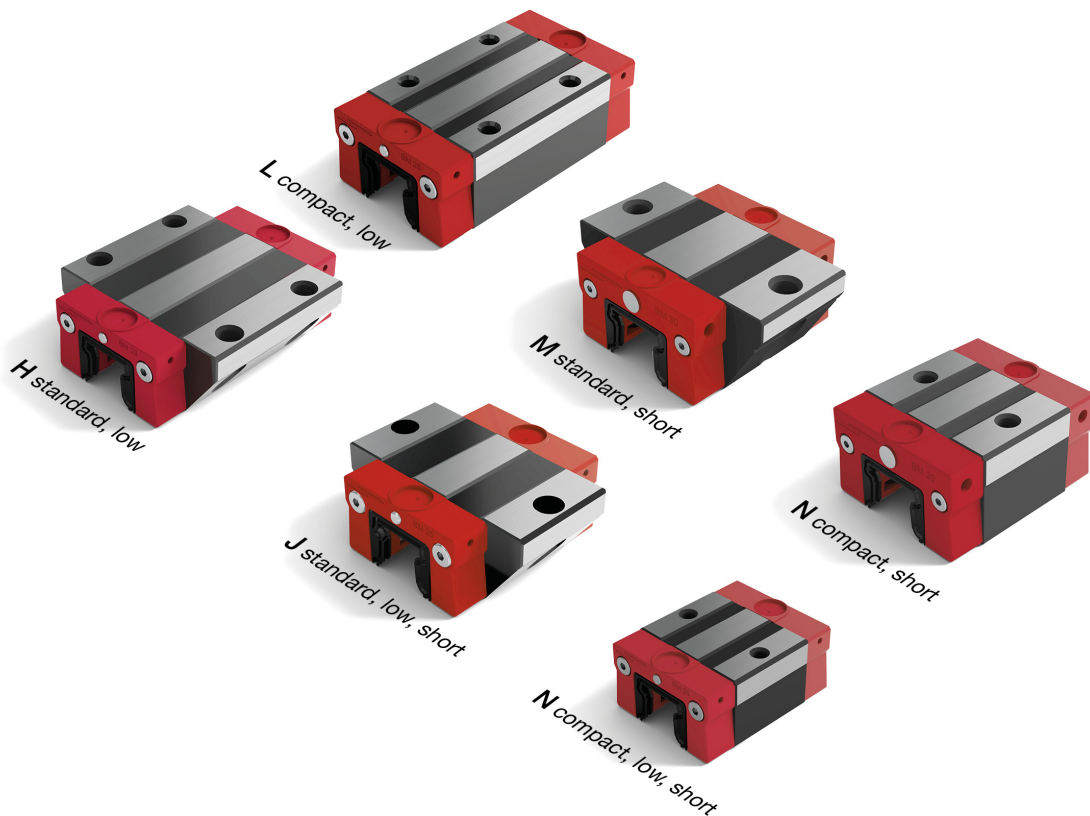


Fig. 1: New carriage types expand the SCHNEEBERGER MONORAIL BM series.

SCHNEEBERGER group

SCHNEEBERGER® serves original equipment manufacturers operating (OEM) in various industries worldwide – from **machine tool**, **solar technology** and **semiconductor technology** to **electrical engineering** and **medical engineering** and others. Linear bearings, profiled linear guideways, **measuring systems**, **gear racks**, **slides**, **positioning systems** and **mineral casting** are all part of SCHNEEBERGER's product and manufacturing range. **A.MANNESMANN** has been part of the SCHNEEBERGER Group since October 2017. A.MANNESMANN is a leading supplier for the production of ballscrew drives, telescopic actuators and drill spindles. A further expansion of the SCHNEEBERGER Group, an additional site was founded in Poland. The new company SCHNEEBERGER Components Poland (SPO) officially started on November 19, 2020 and has already commenced operations, producing precision parts for the entire Group. The core competence lies in the production of rolling bearing rollers. Also as part of its strategic development, the Business Unit Systems has established the company "SCHNEEBERGER Precision Motion Systems (Shenzhen)". With the establishment of the new technology center for systems in Shenzhen with development, production, sales and service, SCHNEEBERGER will be closer to its Asian customers and thus be able to serve them even better with high-precision single and multi-axis systems.

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