

Press release: **SCHNEEBERGER MINIRAIL**

Highly precise miniature guideway

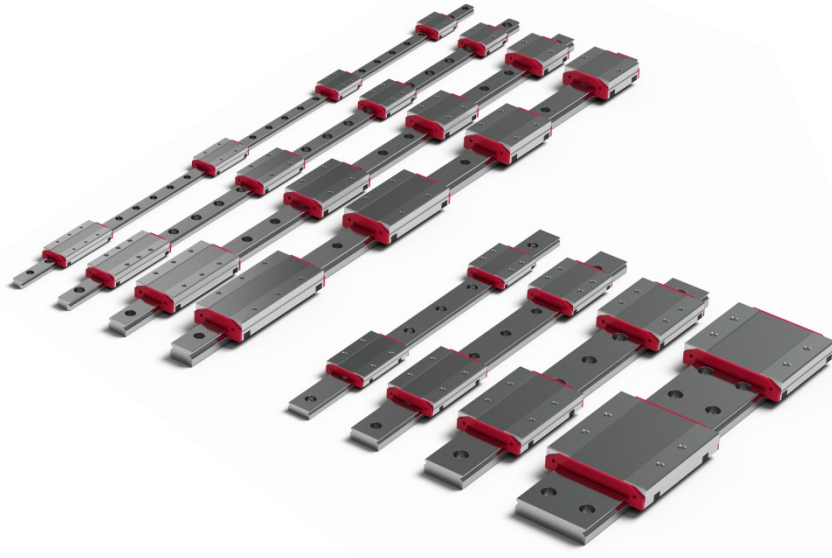
MINIRAIL profiled miniature guideways by SCHNEEBERGER are certainly small in terms of dimensions. However, in practice they have a major impact thanks to their degree of precision, robustness and versatility.

If extremely high accuracy is consistently required in the most compact spaces, the MINIRAIL is the number one option. MINIRAIL guideways always ensure that linear movements are carried out extremely quickly and precisely. Preferred areas of application include the semiconductor microelectronics, medical, measuring, laser, and nanotechnology industries. Eight rail widths and four carriage lengths are also available. The user can choose between two accuracy and preload classes.

Attainable productivity is important for all applications. The MINIRAIL takes this requirement fully into account thanks to its acceleration values of up to 300 m/s² and speeds of 5 m/s. The heavy duty ball recirculation units embedded in the carriages play a decisive role in this. Thanks to their ingenious design, they are able to accommodate extremely high centrifugal forces.

The highly-precise miniature guideways by SCHNEEBERGER are made of corrosion-resistant, hardened steel. As such, they are suitable for numerous applications, even where high acceleration and/or extreme load values are involved. Their usage in extreme temperature ranges and high vacuums also presents no problems.

SCHNEEBERGER offers one final benefit to the user, namely the ease with which its carriages can be replaced. This makes storage easier, thereby significantly reducing maintenance costs.



B01: SCHNEEBERGER provides highly precise, robust and durable miniature profiled guideways in the form of the MINIRAIL.

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.

Order SCHNEEBERGER product images via e-mail or give us a call.

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