

## SCHNEEBERGER press release: Linear bearings – Standard or customised

### The right solution for every need

*SCHNEEBERGER linear bearings always stand for high quality. The Swiss company covers numerous fields of application thanks to its wide range of standard bearings. And if you need something more specific, SCHNEEBERGER can also provide customised solutions.*

The right linear bearing always depends on the respective application. Accordingly, the range of products offered by innovation leader SCHNEEBERGER is extremely varied. In terms of ideal all-round products with well-balanced characteristics, the company produces type R and RD roller guideways. At the same time, the use of recirculating units allows for unlimited stroke. If the user only requires limited stroke, type RN and RNG cage-guided roller variants provide the best solution, as they offer the best results in terms of load-bearing capacity and rigidity.

If the application requires a particularly high level of smooth running (with load-bearing capacity and rigidity playing subordinate roles), type R and RN ball-bearing mounted guideways yield excellent results. To meet conflicting requirements – extremely high load-bearing capacity, rigidity and precision, yet somewhat reduced smooth running – SCHNEEBERGER recommends its type N/O and M/V needle bearing-mounted guideways with cage assist. In doing so, the cage reliably prevents pulsations of any kind, thereby optimising running behaviour.

All of these linear bearings are available in various sizes and performance categories. If a potential customer is still unable to find what they need in the standard catalogue, the company also provides customised products which satiate the customer's every desire. Depending on the hardening process used, guideways with dimensions up to 60 x 320 mm and a length (inductively hardened) of 6 m or dimensions up to 50 x 150 mm and a length (fully hardened) of 3 m can be produced. This means that in principle, levels of accuracy of 2 µm per metre and surface quality standards of up to  $R_a = 0.3 \mu\text{m}$  in peripheral grinding are feasible.



*B01: SCHNEEBERGER covers numerous fields of application thanks to its wide range of standard bearings. Customised solutions are also available to meet special requirements.*

### 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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