

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/s^2 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.

Boilerplate Schneeberger

Founded in 1923, Schneeberger is now one of the leading names when it comes to groundbreaking innovations in the field of linear technology. 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. The company serves original equipment manufacturers operating in various industries worldwide – from solar technology and semiconductor technology to electrical engineering and medical engineering, every field is represented. Schneeberger's distributors and exclusive representatives can be found in all major industrial nations around the world, thereby guaranteeing the best possible proximity to customers everywhere.

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