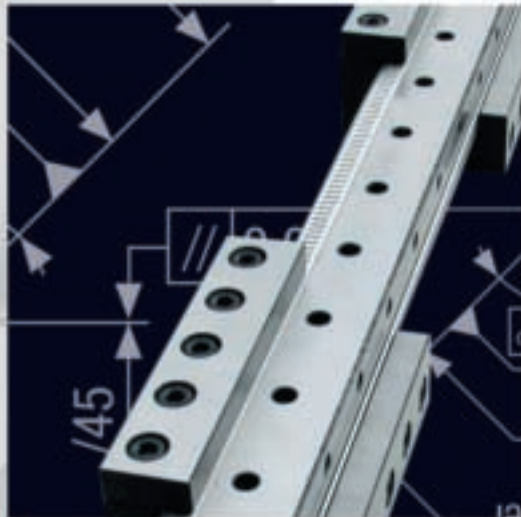


SCHNEEBERGER

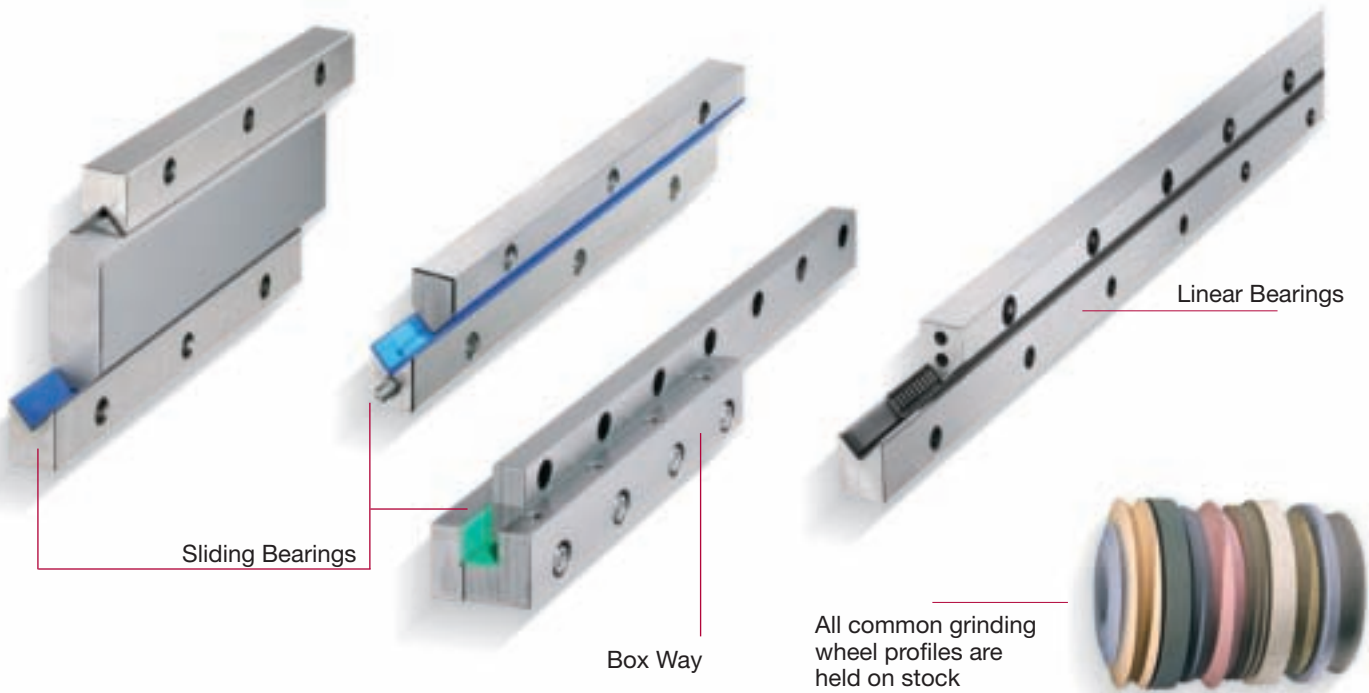
LINEAR TECHNOLOGY



Special components to
customer specifications



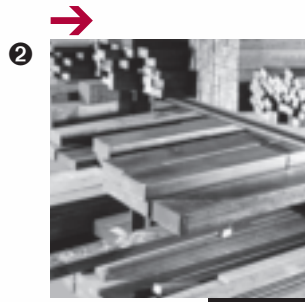
Rolling Element and Sliding Guideways, Profile Rails, Gear Racks



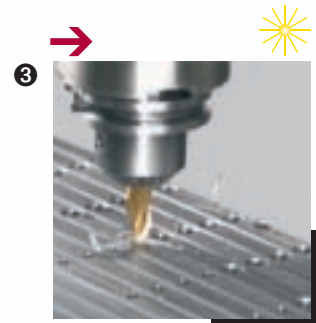
Breakdown service: Direct ordering and immediate manufacturing



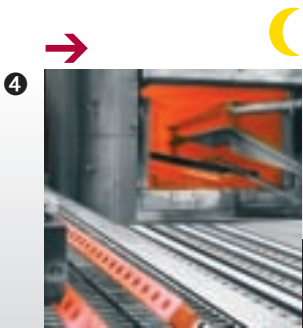
Direct contact with experienced technical personnel
They will answer your questions on feasibility and advise on the optimum solution, taking into account your needs on cost and delivery time.



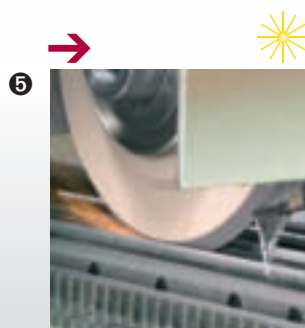
Raw Material Stocks
To minimise leadtimes, an extensive range of material profiles is held on stock supported by various specialist steel suppliers.



Soft Machining
Hobbing, milling and drilling operations are carried out with tolerance compensations for the subsequent hardening process.



Through Hardening*
Part of our main core competence. 3 shift working of this process ensures shorter lead-times.



High Precision Finish Grinding
This is the basis of SCHNEEBERGER'S worldwide reputation. We grind to the required accuracy class on range of universal and special grinding machines. All common grinding wheel profiles are held on stock.



EXPRESS Delivery
Our production facility in Höfen is in Central Europe, with easy access to major road, rail and air connections. This ensures speedy delivery to your factory.

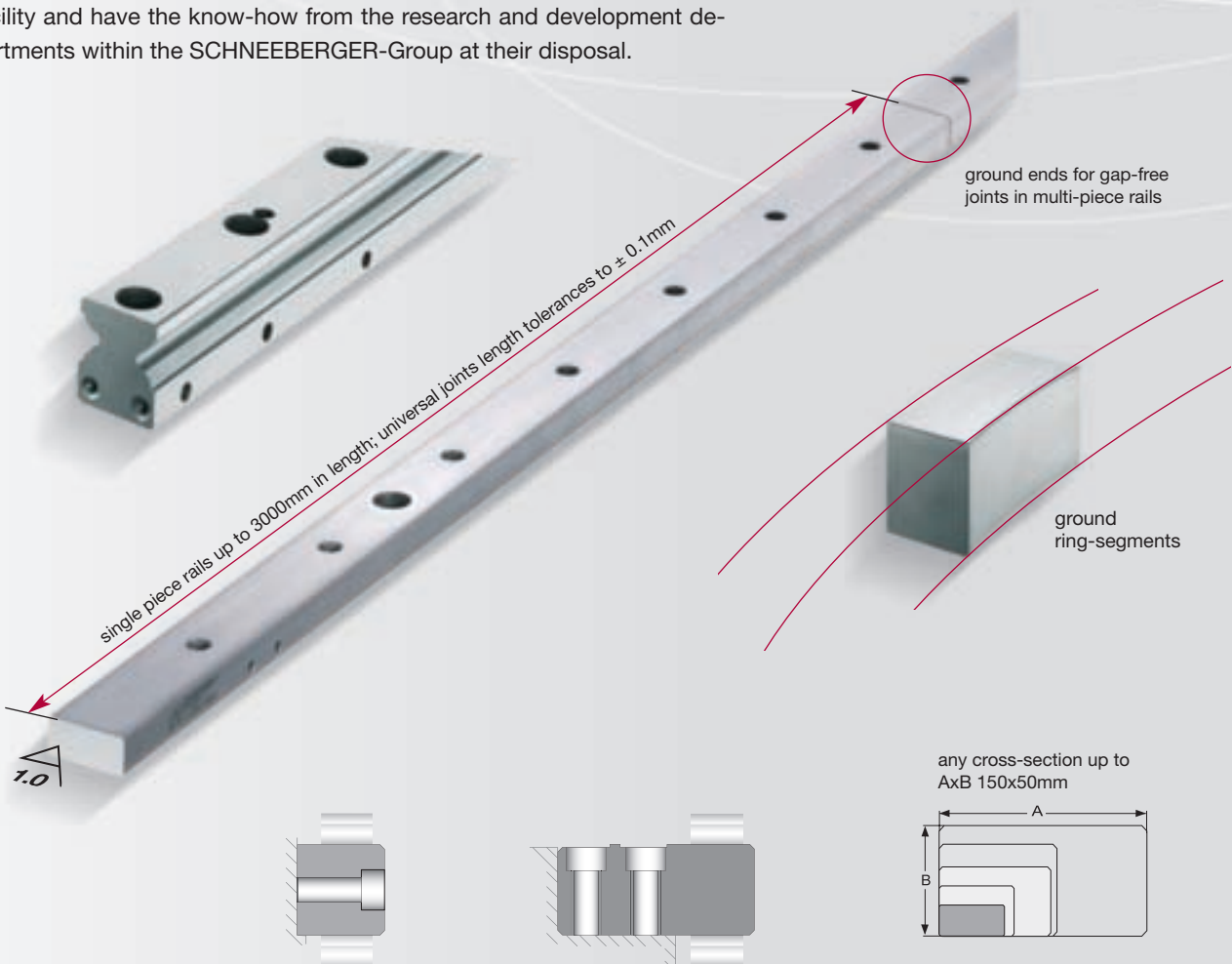
*Case hardened profiles available on request

SCHNEEBERGER Special Components

A flexible, stand alone production facility specializing in the production of special parts:

- Guideways for special purpose machines
- Modified standard guideways from single pieces to series volumes
- Replacement guideways for obsolete machines

Our employees have extensive experience, a flexible manufacturing facility and have the know-how from the research and development departments within the SCHNEEBERGER-Group at their disposal.



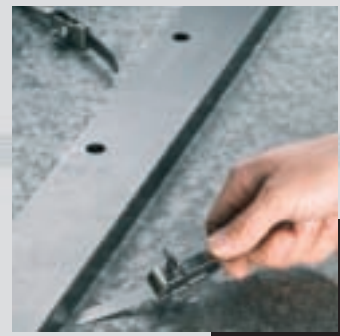
Sawing off the peg
We stock an extensive range of materials and cross sections, that are cut to the required length.

Milling and hobbing
The rail has its contour machined. Milling or hobbing depends on the volume of material to be removed.



Drilling with error-compensation
Our vast experience enables us to drill the hole pitches with error-compensation for the hardening process. Single- and multi-piece rails can be fixed easily.

Hardening and quenching up to 3m*
Through hardening results in more stable and straight rails. Through hardened rails can also be reground.



Then tempering and...
The hardening process induces internal stresses. A careful tempering eliminates such stresses without affect on the hardness.

...careful straightening
To prepare the rails for an efficient grinding operation, the rails are thermally and/or mechanically straightened.

*Case hardened profiles available on request

From standard precision to measuring machine accuracy classes...
universal joints to give unlimited lengths

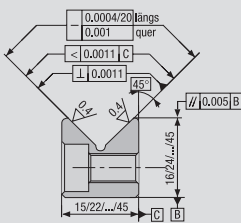
V guides

guide racks

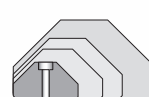
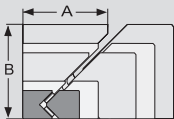
double V guides

prismatic guides

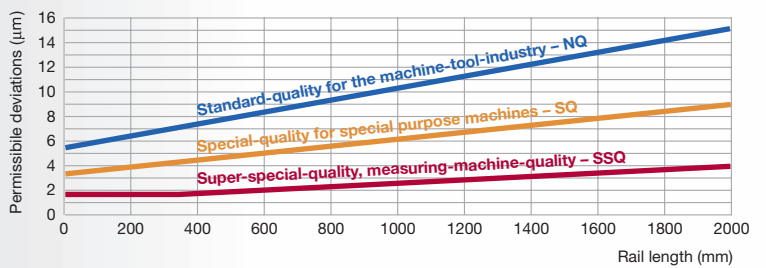
High geometric accuracies



any cross-section up to
AxB 150x50mm



Parallelism tolerances



Efficient pre-grinding

The cross hatch with high pressure results in a high straightness of the rail in the non-fixed condition. Surface finishes to $Ra = 1.0\mu m$ Parallelism $< 0.03mm/m$

End grinding

For straight or angled butt joints for gap-free multi-piece rails. This is done in efficient multiple settings.



Precision finish grinding

Precision grinding is where SCHNEEBERGER is recognized for quality. Extensive skills and 30 years of experience, gives us the competence to achieve extremely high levels of precision. Trackway to $Ra = 0.3\mu m$

Coatings and sliding materials

Coatings for hardness, corrosion resistance or aesthetics are available. Slideways with various ground plastic or metal frictionless wear strips.



Marking

For traceability or stock control the guideways are marked by laser. Butt joint ends are marked with identification numbers.

Quality Control

To ensure the high quality standards of SCHNEEBERGER, all products go through a comprehensive and stringent quality check before shipment.



**Technical and engineering know-how for special applications.
Production volumes or single pieces – as required**



Customer specific guideways

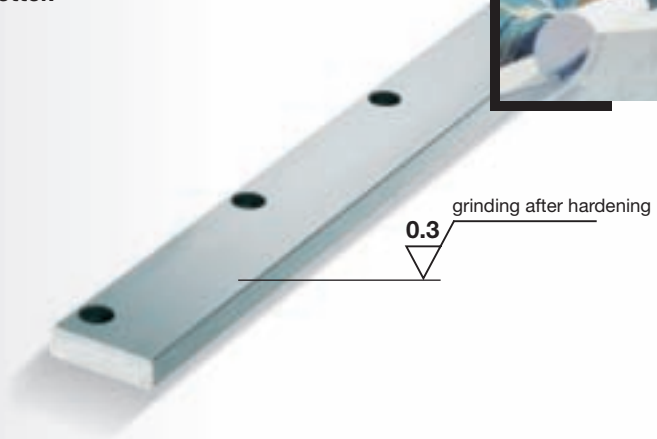
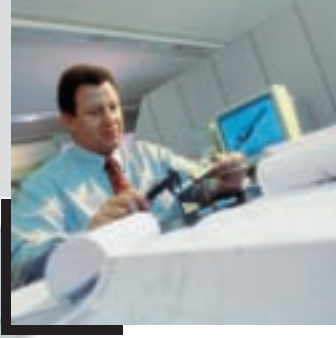
...are standard for us. Our qualified sales engineers will be pleased to visit your facility to discuss the optimum solution for your new application.

Delivery Commitments

We guarantee short leadtimes for prototype products and fixed production schedules for production volumes.

Spares for machine refurbishments

When you require a replacement rail or set of rails – **we manufacture to the original accuracy or better.**



SCHNEEBERGER is worldwide

SCHNEEBERGER subsidiaries, or specialist technical distributors, offer complete technical support and service in all major industrial countries.

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