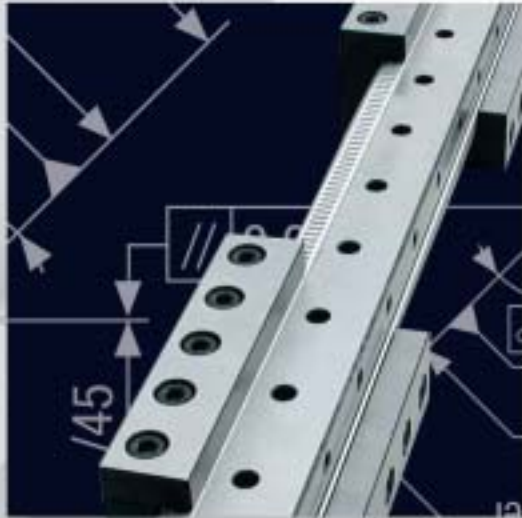
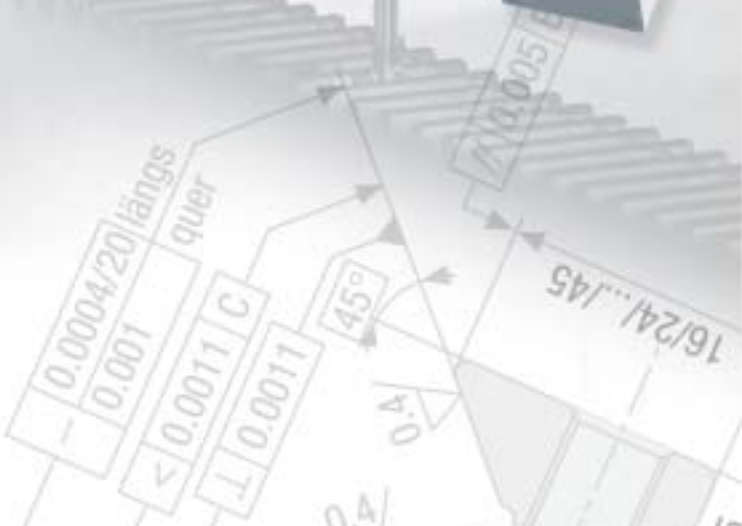


SCHNEEBERGER

LINEAR TECHNOLOGY



Special components to
customer specifications





LINEAR BEARINGS
and Recirculating units



MINIRAIL



SLIDES



POSITIONING SYSTEMS



MONORAIL



AUTOMATION



IMAGE BROCHURE

SCHNEEBERGER COMPANIES

SWITZERLAND

W. Schneeberger AG
St. Urbanstrasse 12
4914 Roggwil/BE
Phone +41 62 918 41 11
Fax +41 62 918 41 00

E-Mail:
info-ch@schneeberger.com
www.schneeberger.com

GERMANY

Schneeberger GmbH
Grafenau, Postfach 70
75339 Höfen/Enz
Phone +49 7081 782 0
Fax +49 7081 782 124

E-Mail:
info-d@schneeberger.com

ITALY

Schneeberger S.p.A.
Via S. Gottardo, 10
21021 Angera VA
Phone +39 0331 93 2010
Fax +39 0331 93 1655

E-Mail:
info-i@schneeberger.com

USA

Schneeberger Inc.
11 DeAngelo Drive
Bedford, MA 01730
Phone +1 781 271 0140
Fax +1 781 275 4749

E-Mail:
info-usa@schneeberger.com

CHINA

Schneeberger (Shanghai) Co., Ltd.
Denghui Lu 1128, Minhand District
Shanghai 201108, China
Phone +86 21 6209 0037 / 27
Fax +86 21 6209 0102

E-Mail:
info-cn@schneeberger.com

JAPAN

Nippon Schneeberger KK
3-23-12 Shimouma, Setagaya-ku
Tokyo 154-0002
Phone +81 3 5779 7339
Fax +81 3 3487 6010

E-Mail:
info-j@schneeberger.com

SALES DEPARTMENT

AUSTRIA

Phone +43 2 2387 2945
Fax +43 2 2387 2983
Mobile +43 67 6935 1035

E-Mail:
info-a@schneeberger.com

BELGIUM, THE NETHERLANDS AND LUXEMBOURG

Phone +31 4 3365 4532
Fax +31 4 3365 3579
Mobile +31 6 5326 3929

E-Mail:
info-nl@schneeberger.com

NORTH FRANCE

Phone +32 6833 7773
Fax +32 6833 3863
Mobile +32 4 7978 1870

E-Mail:
info-f@schneeberger.com

SOUTH FRANCE

Phone +33 4 7239 5223
Fax +33 4 7239 5224
Mobile +33 6 0941 6269

E-Mail:
info-f@schneeberger.com

GREAT BRITAIN

Phone +44 16 2582 7708
Fax +44 16 2582 7780
Mobile +44 77 8814 5645

E-Mail:
info-uk@schneeberger.com

ISRAEL

Phone +972 9767 9499
Fax +972 9767 3397
Mobile +972 5 0551 7920

E-Mail:
info-il@schneeberger.com

KOREA

Phone +82 2442 0971
Fax +82 2442 2971
Mobile +82 1 6202 0971

E-Mail:
info-k@schneeberger.com

POLAND, SLOVAKIA AND CZECHOSLOVAKIA

Phone +420 5 4725 0333
Fax +420 5 4725 0444
Mobile +420 6 0278 4077

E-Mail:
info-cz@schneeberger.com

SPAIN AND PORTUGAL

Phone +34 6 4991 9740
Fax +34 9 4687 0973
Mobile +34 6 4991 9740

E-Mail:
info-es@schneeberger.com



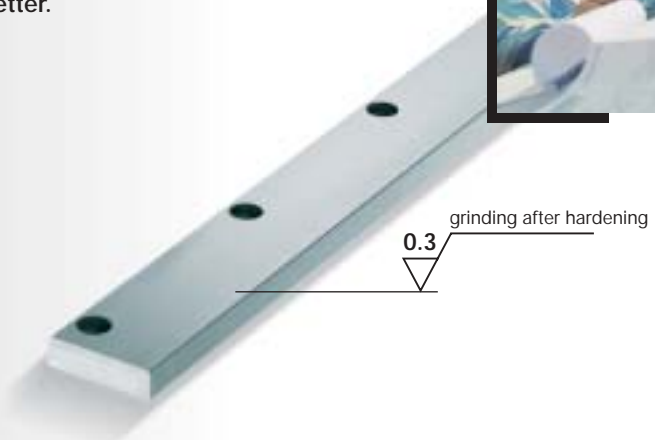
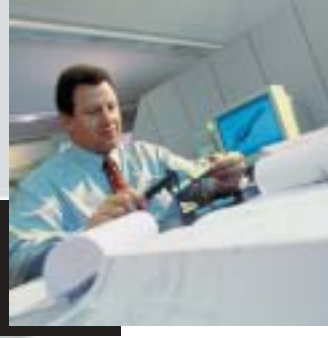
**Technical and engineering know-how for special applications.
Production volumes or single pieces – as required**



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.

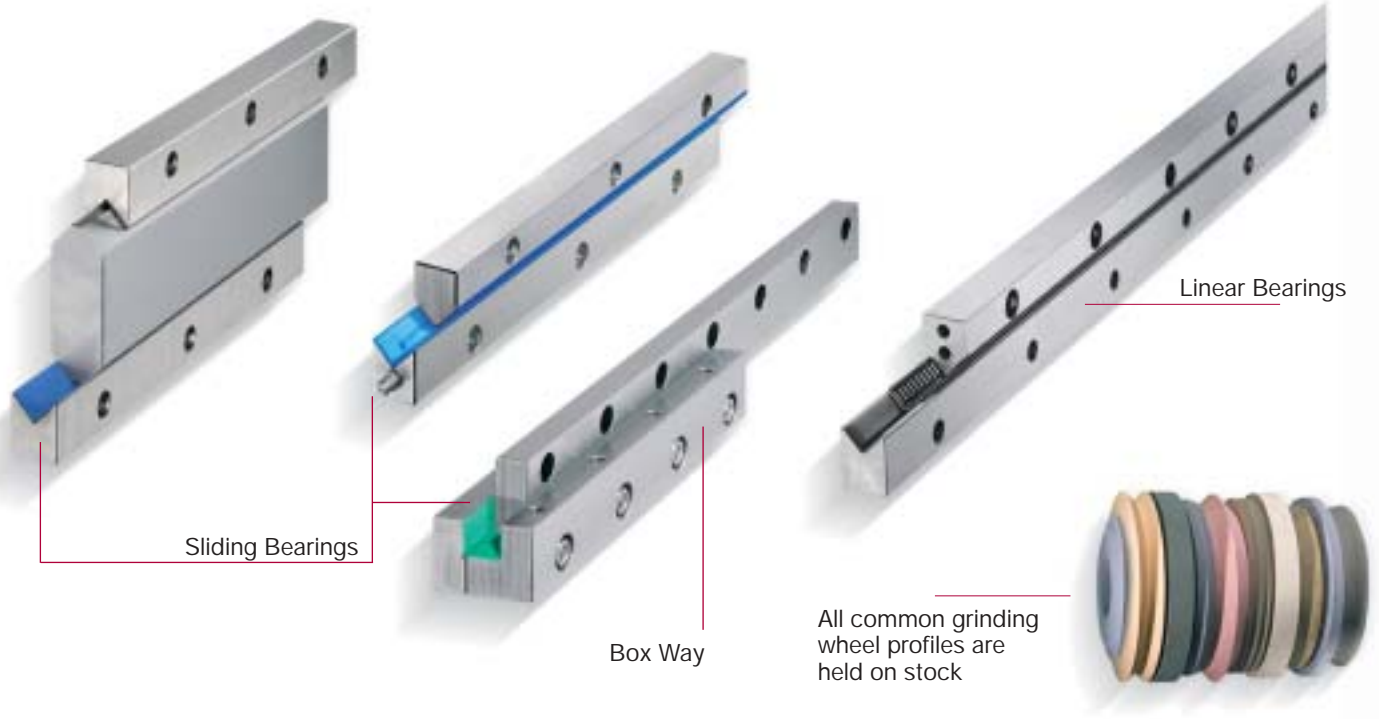
Spares for machine refurbishments
When you require a replacement rail or set of rails – we **manufacture to the original accuracy or better.**



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



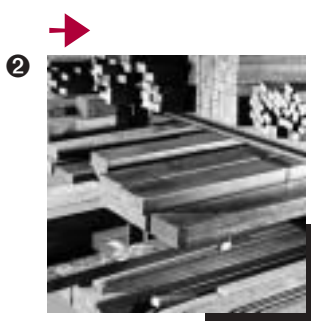
> **Rolling Element and Sliding Guideways, Profile Rails, Gear Racks**



> **Breakdown service: Direct ordering and immediate manufacturing**



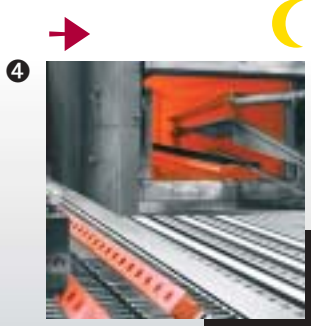
1
Direct contact with experienced technical personnel
 They will answer your questions on feasibility and advise on the optimum solution, taking into account your needs on cost and delivery time.



2
Raw Material Stocks
 To minimise leadtimes, an extensive range of material profiles is held on stock supported by various specialist steel suppliers.



3
Soft Machining
 Hobbing, milling and drilling operations are carried out with tolerance compensations for the subsequent hardening process.



4
Through Hardening
 Part of our main core competence. 3 shift working of this process ensures shorter leadtimes.



5
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.



6
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.



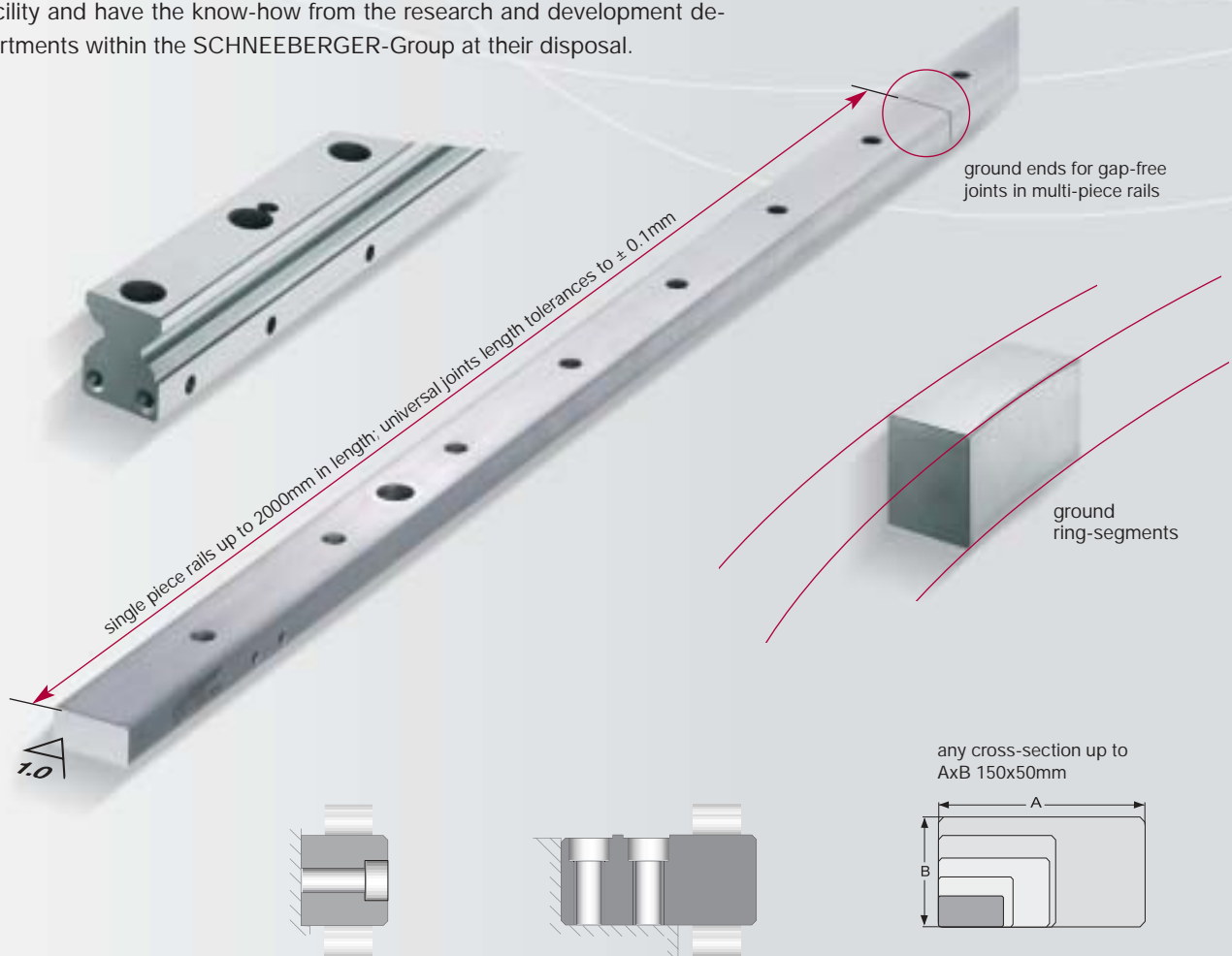
Competence in through hardened guideways

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 2m

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.

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

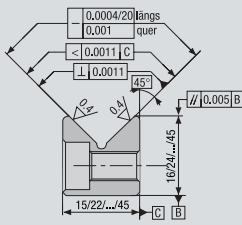
V guides

guide racks

double V guides

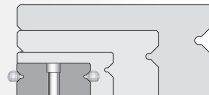
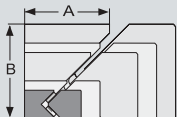
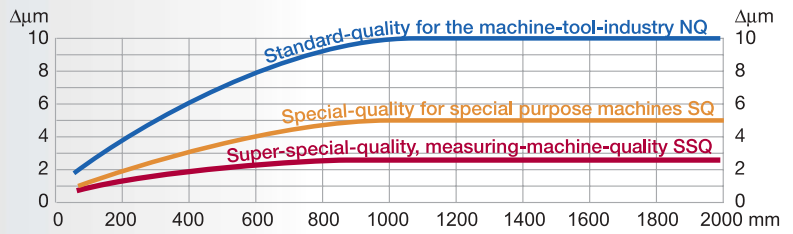
prismatic guides

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 $Ra = 1.0\mu\text{m}$ Parallelism $< 0.03\text{mm/m}$

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 $Ra = 0.3\mu\text{m}$

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.