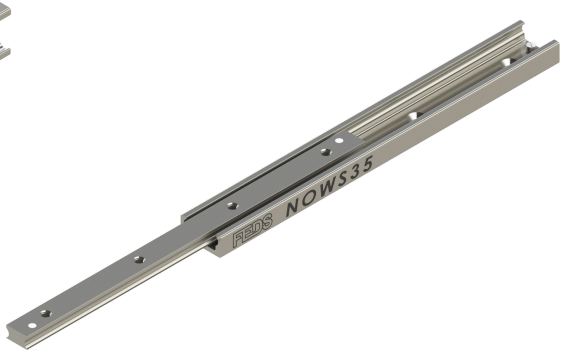
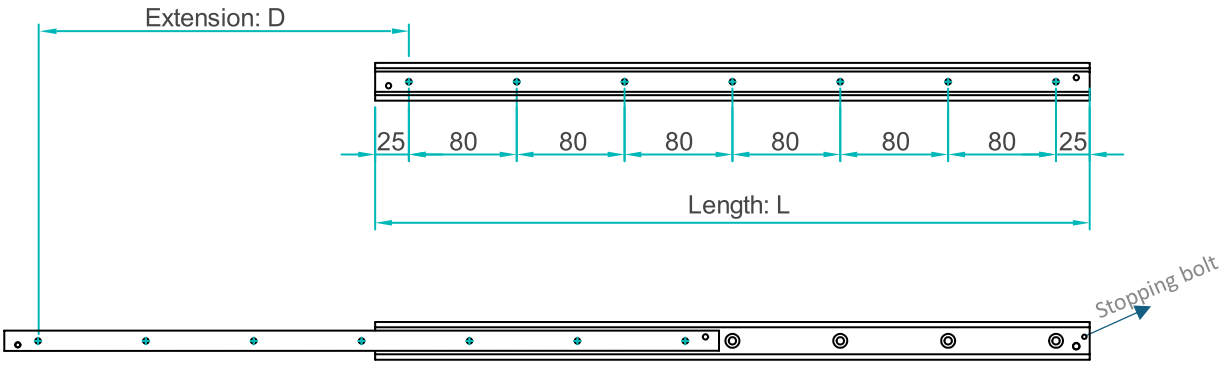
Professional Bi-Directional Full Extension Telescopic slides

FEDS
TELESCOPIC SLIDES AND LINEAR RAILS



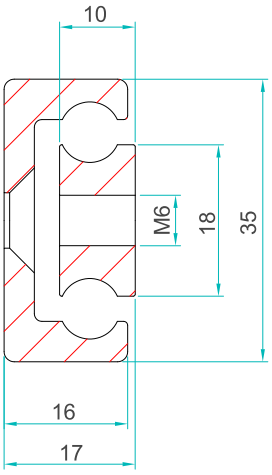




*Remove the stopping bolt to reach mounting holes

Available Options:

* **H –** Hardened raceways
* **V** – V-shaped channel raceways
* **SB** – Stainless steel ball bearings
* **SC** – Stainless steel ball cages
* **SA** – Stainless steel stopping pins and bolts
* **S** – Entirely manufactured in stainless steel 316L



NOWS3517-B weighs 3.4 kg/m				No. of holes
Article number	Installation length: L	Extension length: D	Load per pair: kg	
NOWS3517-B.0210	210	127	110	3
NOWS3517-B.0290	290	159	130	4
NOWS3517-B.0370	370	203	230	5
NOWS3517-B.0450	450	247	260	6
NOWS3517-B.0530	530	279	340	7
NOWS3517-B.0610	610	323	370	8
NOWS3517-B.0690	690	367	345	9
NOWS3517-B.0770	770	399	320	10
NOWS3517-B.0850	850	443	300	11
NOWS3517-B.0930	930	487	275	12
NOWS3517-B.1010	1010	519	250	13
NOWS3517-B.1090	1090	563	230	14
NOWS3517-B.1170	1170	607	210	15
NOWS3517-B.1250	1250	639	195	16
NOWS3517-B.1330	1330	683	170	17
NOWS3517-B.1410	1410	727	145	18
NOWS3517-B.1490	1490	759	130	19

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Installation Tolerances

Parameter	Tolerance
Closed Length	DIN 2768–c
Extension	DIN 2768–c
Installation Width	+0.4 mm / –0.6 mm

Indirect Axis (Flat) Mounting: When mounting as shown in the image above, reduce the load capacity by approximately 60–80% and account for increased deflection. For precise calculations, please contact our engineering team to request a detailed FEA load analysis tailored for OEM projects. Our standard load ratings are based on fully extended pairs of slides positioned upright (direct axis), uniformly loaded across beams spaced 1,000 mm apart. If higher load capacities are required or slides are intended for extra-wide drawers, please consult our technical support team for further guidance.

Hardened Raceway Option: Our raceways can be accurately hardened through an advanced laser process, achieving a hardness rating of 58–62 HRC without extending production lead times. This process significantly enhances tensile strength, reduces friction coefficients, minimizes operational forces, and greatly increases lifecycle performance. Load capacities for slide lengths under 700 mm show marginal improvements. Recommended operational speeds also increase to 0.6 m/s. Under standard conditions, a non-hardened Professional Range steel slide typically achieves approximately 100,000 cycles at 75% load capacity, provided correct installation, appropriate operational speeds, optimal environmental conditions, and adherence to recommended maintenance schedules are maintained (refer to the Technical Maintenance Document for additional information).
Hardening the raceways to 58–62 HRC and utilizing chromed steel ball bearings substantially reduces wear and significantly extends service life. With proper maintenance and operational standards, life expectancy can exceed 500,000 cycles. While our engineers can assist OEM design programs with comprehensive FEA analysis, we highly recommend conducting in situ testing within your production facility before finalizing your design for manufacturing.

Material: All steel components.
Beams: Cold-drawn carbon steel C45E+C (EN 10277), featuring precision-milled raceways.
Ball Cages: Zinc-plated steel sheet, laser-cut profiles.
Ball Bearings: C85, G100 according to DIN 5401 standards (chromed).
End Bolts: ASTM A307 compliant.
Surface Protection: Electrolytic alkaline zinc coating (10–12 microns), compliant with DIN EN ISO 9227 neutral salt spray testing—no white rust appearance within 250 hours and no red rust appearance within 1,100 hours.
Temperature Range: Suitable for temperatures from –20°C to +250°C, provided proper lubricants are applied and beams are mounted freely to accommodate thermal expansion.
Lubrication: We apply and recommend lithium-based EP3 grease for standard applications. Special high- or low-temperature greases are available upon request.
Clean Room Requirements: Slides can be delivered unlubricated, allowing customers to perform sterilization and apply specialized greases post-production.
Thread Pitches: Coarse, as specified in the end profile image.

Important Safety Notice

Do not disassemble the slide!
The stated maximum safe working load applies to a fully extended pair of slides mounted in the upright position.Ensure all provided fixing holes are utilized, and distribute the load evenly along the inner beam.Slide deflection is calculated at a maximum of 2% of the slide’s closed length when operating at or near full load capacity.

ISO 13485 CERTIFIED
qualityaustria SYSTEM CERTIFIED
ISO 9001:2015 No.10272/0
ISO 45001:2018 No.00944/0
ISO 14001:2015 No.04216/0
REACH COMPLIANT
RoHS