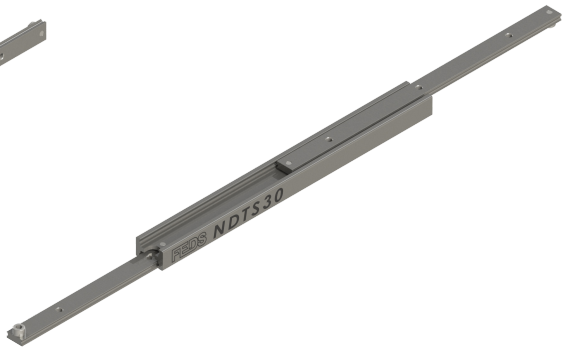
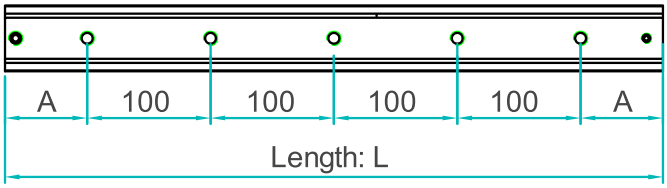
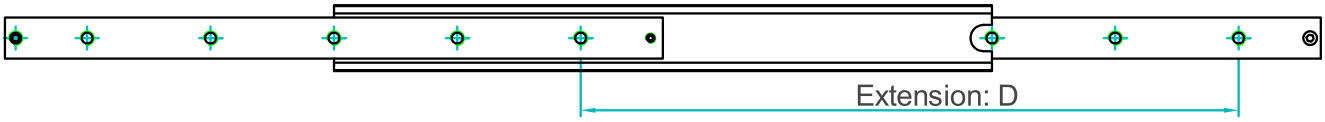
Professional Full Extension Telescopic slides

FEDS
TELESCOPIC SLIDES AND LINEAR RAILS



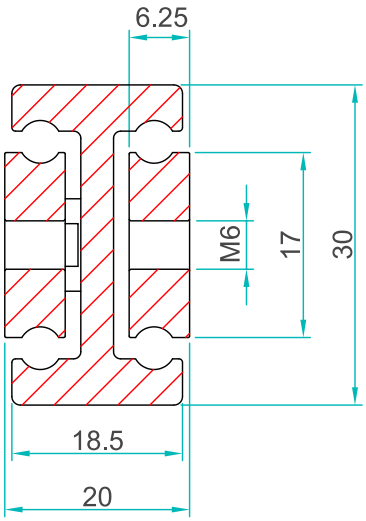






Available Options:

* **H –** Hardened raceways
* **F –** one outer beam countersunk
* **FF –** both outer beams countersunk
* **SB** – Stainless steel ball bearings
* **SC** – Stainless steel ball cages
* **SA** – Stainless steel stopping pins and bolts
* **S** – Entirely manufactured in stainless steel 316L



NDTS3020-B weighs 3.5 kg/m				Hole pattern
Article number	Installation length: L	Extension length: D	Load per pair: kg	"A"
NDTS3020-B.0250	250	285	40	25
NDTS3020-B.0300	300	323	100	50
NDTS3020-B.0350	350	377	105	25
NDTS3020-B.0400	400	416	115	50
NDTS3020-B.0450	450	485	120	25
NDTS3020-B.0500	500	523	135	50
NDTS3020-B.0550	550	577	160	25
NDTS3020-B.0600	600	615	150	50
NDTS3020-B.0650	650	685	140	25
NDTS3020-B.0700	700	723	130	50
NDTS3020-B.0750	750	777	120	25
NDTS3020-B.0800	800	815	118	50
NDTS3020-B.0850	850	884	113	25
NDTS3020-B.0900	900	923	98	50
NDTS3020-B.0950	950	977	95	25
NDTS3020-B.1000	1000	1015	88	50
NDTS3020-B.1050	1050	1084	85	25
NDTS3020-B.1100	1100	1123	80	50
NDTS3020-B.1150	1150	1176	77	25
NDTS3020-B.1200	1200	1215	72	50

FEDS
TELESCOPIC SLIDES AND LINEAR RAILS

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