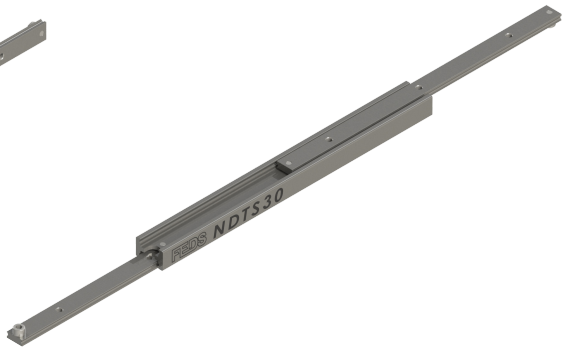
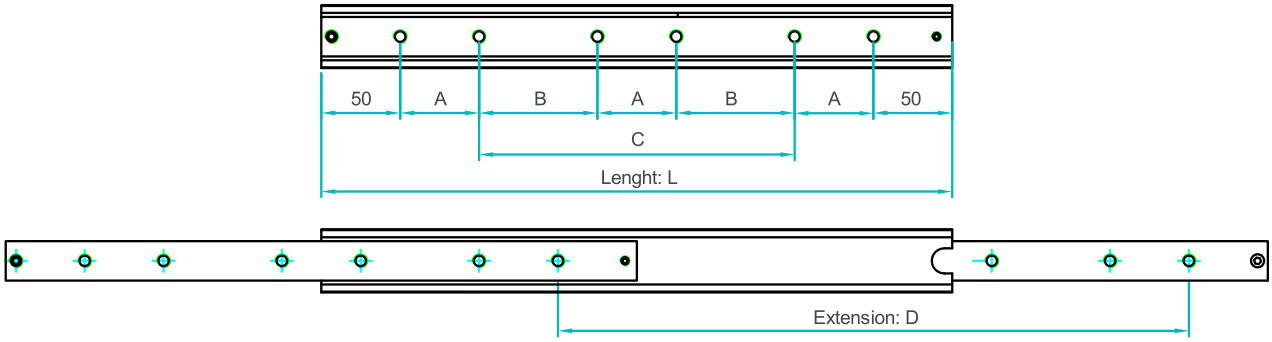
Professional Full Extension Telescopic slides

FEDS
TELESCOPIC SLIDES AND LINEAR RAILS

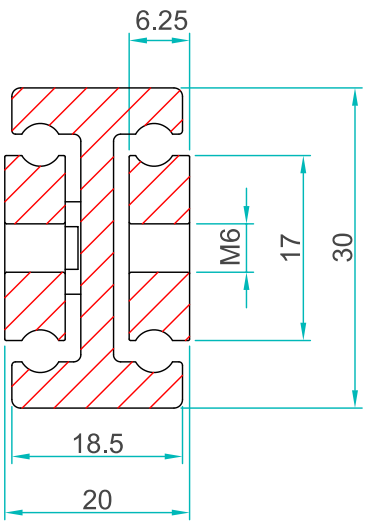






Available Options:

* **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-A weighs 3.5 kg/m				Hole pattern		
Article number	Installation length: L	Extension length: D	Load per pair: kg	"A"	"B"	"C"
NDTS3020-A.0250	250	250	40	50	-	50
NDTS3020-A.0300	300	300	100	50	-	100
NDTS3020-A.0350	350	350	105	50	-	150
NDTS3020-A.0400	400	400	115	50	-	200
NDTS3020-A.0450	450	450	120	50	-	250
NDTS3020-A.0500	500	500	135	50	-	300
NDTS3020-A.0550	550	550	160	50	150	-
NDTS3020-A.0600	600	600	150	50	175	-
NDTS3020-A.0650	650	650	140	50	200	-
NDTS3020-A.0700	700	700	130	50	225	-
NDTS3020-A.0750	750	750	120	50	250	-
NDTS3020-A.0800	800	800	118	50	275	-
NDTS3020-A.0850	850	850	113	50	300	-
NDTS3020-A.0900	900	900	98	50	325	-
NDTS3020-A.0950	950	950	95	50	350	-
NDTS3020-A.1000	1000	1000	88	50	375	-
NDTS3020-A.1050	1050	1050	85	50	400	-
NDTS3020-A.1100	1100	1100	80	50	425	-
NDTS3020-A.1150	1150	1150	77	50	450	-
NDTS3020-A.1200	1200	1200	72	50	475	-

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