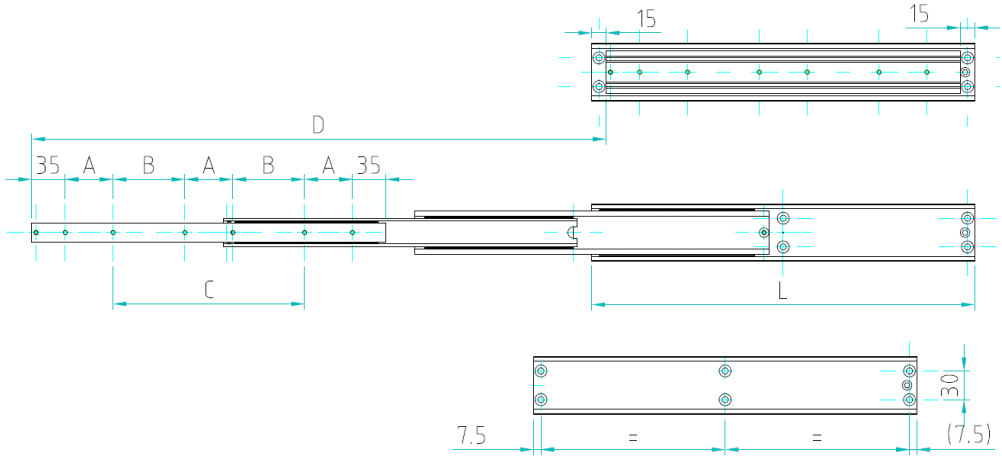
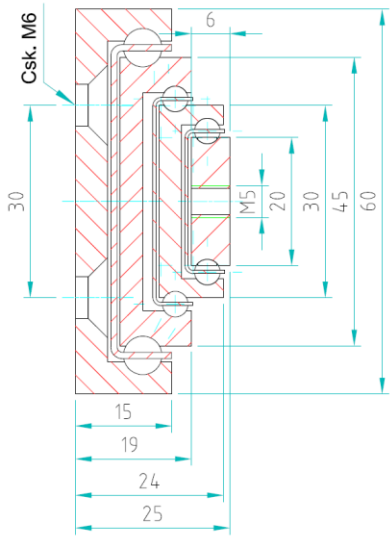


Options:
"H" – Hardened raceways
"V" - V shape channel raceways
"SB"- stainless steel ball bearings
"SC"- stainless steel ball cages
"SA"- stainless steel stopping pins and bolts



XTSR-6023 weights 7.08 kg/m				Hole pattern		
Article number	Installation length: L	Extension length: D	Load per pair: kg	"A"	"B"	"C"
XTSR6023.0250	250	375	215	50	-	50
XTSR6023.0300	300	450	220	50	-	100
XTSR6023.0350	350	525	225	50	-	150
XTSR6023.0400	400	600	230	50	-	200
XTSR6023.0450	450	675	235	50	-	250
XTSR6023.0500	500	750	240	50	-	300
XTSR6023.0550	550	825	220	50	150	-
XTSR6023.0600	600	900	200	50	175	-
XTSR6023.0650	650	975	190	50	200	-
XTSR6023.0700	700	1050	160	50	225	-
XTSR6023.0750	750	1125	140	50	250	-
XTSR6023.0800	800	1200	120	50	275	-
XTSR6023.0850	850	1275	100	50	300	-
XTSR6023.0900	900	1350	90	50	325	-
XTSR6023.0950	950	1425	80	50	350	-
XTSR6023.1000	1000	1500	70	50	375	-

Do not dismantle the slide!
The maximum safe working load is stated for fully extended pair of slides, mounted upright. Use all fixing holes and spread the load evenly across the inner beam.
Flat mounting: Reduce the load by 60-80%.
We recommend the use of strong L brackets for under or floor mount.
Deflection is calculated up to 2% of the closed length, at or near full load capacity.

Installation tolerance:

Closed length Tolerance: DIN2768 – c

Extension Tolerance: DIN2768 - c

Installation width tolerance + 0.4 to – 0.6mm

Indirect Axis (Flat) Mounting: As in the image above, reduce the load capacity by 60-80% and allow for increased deflection, or contact our engineers to request accurate FEA load analysis for OEM projects. We load rate per fully extended pair of slides on the direct axis, upright, with uniform loading across the beams, spaced 1,000mm apart. If load capacities need to be increased, or slides are fitted to extra-wide drawers, please contact us for technical advice.

Hardened Raceways Option: Via an accurate laser process, the raceways can be hardened to 58-62HRC without increasing production lead-times. This maximizes tensile strength, reduces friction coefficient, minimizes operational forces and substantially increases the life cycles. Load capacities for lengths under 700mm are marginally increased. Recommended operating speeds increase to 0.6m/s. A non-hardened Professional Range steel slide can be expected to achieve 100,000 cycles at 75% load capacity in a lifetime, following correct mounting, operational speeds, working environment and regular raceway cleaning with a re-lubrication schedule. (Download the Technical Maintenance Document for further information). Hardening raceways to achieve 58-62HRC and replicating the chromed steel ball bearings, results in substantially less wear and prolonged service life. Following the same maintenance schedule and operational conditions, lifespan can be anticipated to surpass 500,000 cycles. Our engineers can support OEM design programs with FEA analysis; however, we recommend in situ testing within the fabrication before committing to production.

Material: All steel parts.
Beams: Cold drawn carbon steel C45E+C, - EN 10277, milled raceways.
Ball cages: Zinc plated sheet steel. Laser cut profiles.
Ball bearings: C85, G100: DIN 5401 (Chromed).
End Bolts: ASTM A307.
Steel surface protection: Electrolytic alkaline zinc coating (10-12 microns). conforming to DIN EN ISO 9227 neutral salt spray testing. No white rust appearance within 250 hours. No red rust appearance within 1,100 hours
Temperature range: Steel slides –20°C to +250°C provided the necessary lubricants are applied and the beams are mounted freely to allow expansion
Lubrication: We apply and recommend lithium based EP3 grease for general applications. High & low temp grease upon request
Clean Room Requirement: The slides will be supplied unlubricated for the customer to sterilize and apply specialist grease after production
Thread pitches: As per end profile image - coarse