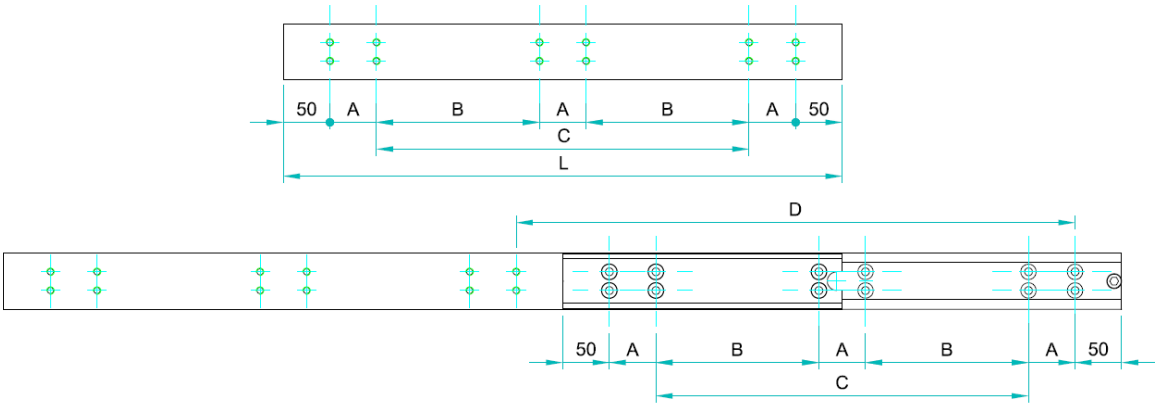
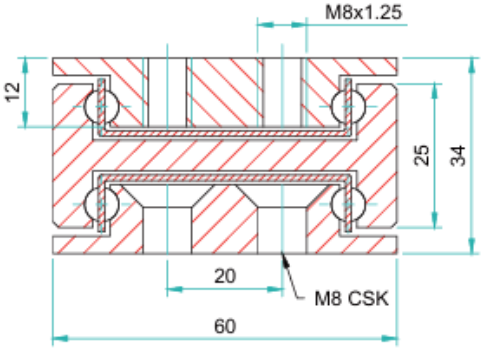


Options:
"**H**" – Hardened raceways
"**V**" - V shape channel raceways
"**F**" - one outer beam countersunk
"**FF**"- both outer beams countersunk
"**SB**"- stainless steel ball bearings
"**SC**"- stainless steel ball cages
"**SA**"- stainless steel stopping pins and bolts



DTS-6034 weights 13.1 kg/m				Hole pattern		
Article number	Installation length: L	Extension length: D	Load per pair: kg	"A"	"B"	"C"
KDTS6034.0300	300	300	210	50	-	100
KDTS6034.0350	350	350	220	50	-	150
KDTS6034.0400	400	400	230	50	-	200
KDTS6034.0450	450	450	240	50	-	250
KDTS6034.0500	500	500	250	50	-	300
KDTS6034.0550	550	550	260	50	-	350
KDTS6034.0600	600	600	245	50	-	400
KDTS6034.0650	650	650	235	50	200	-
KDTS6034.0700	700	700	220	50	225	-
KDTS6034.0750	750	750	200	50	250	-
KDTS6034.0800	800	800	180	50	275	-
KDTS6034.0850	850	850	170	50	300	-
KDTS6034.0900	900	900	160	50	325	-
KDTS6034.0950	950	950	155	50	350	-
KDTS6034.1000	1000	1000	150	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. Deflection is calculated up to 2% of the closed length, at or near full load capacity.

KDTS-6034 weights 13.1 kg/m				Hole pattern		
Article number	Installation length: L	Extension length: D	Load per pair: kg	"A"	"B"	"C"
KDTS6034.1050	1050	1050	145	50	400	-
KDTS6034.1100	1000	1100	140	50	425	-
KDTS6034.1150	1150	1150	135	50	450	-
KDTS6034.1200	1200	1200	130	50	475	-
KDTS6034.1250	1250	1250	125	50	500	-
KDTS6034.1300	1300	1300	120	50	525	-
KDTS6034.1350	1350	1350	115	50	550	-
KDTS6034.1400	1400	1400	110	50	575	-
KDTS6034.1450	1450	1450	105	50	600	-
KDTS6034.1500	1500	1500	100	50	625	-
KDTS6034.1550	1550	1550	95	50	650	-
KDTS6034.1600	1600	1600	90	50	675	-

Installation tolerance:

Closed length Tolerance: DIN2768 – c

Extension Tolerance: DIN2768 - c

Installation width tolerance + 0.4 to – 0.6mm

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