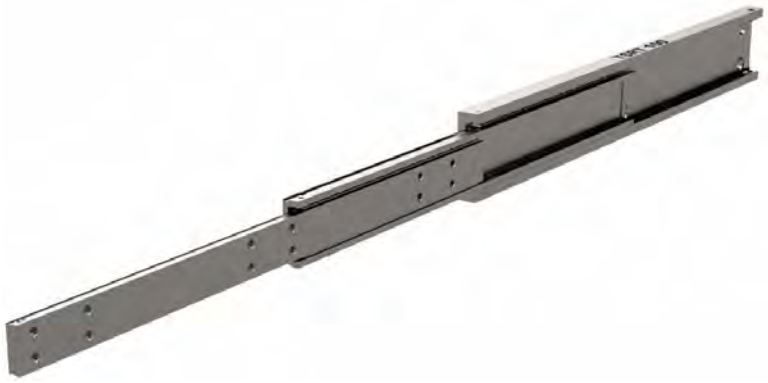
Professional Range - Steel
Bi-Directional Telescopic Slide
Type: TSRT-100
Version: 2021/1

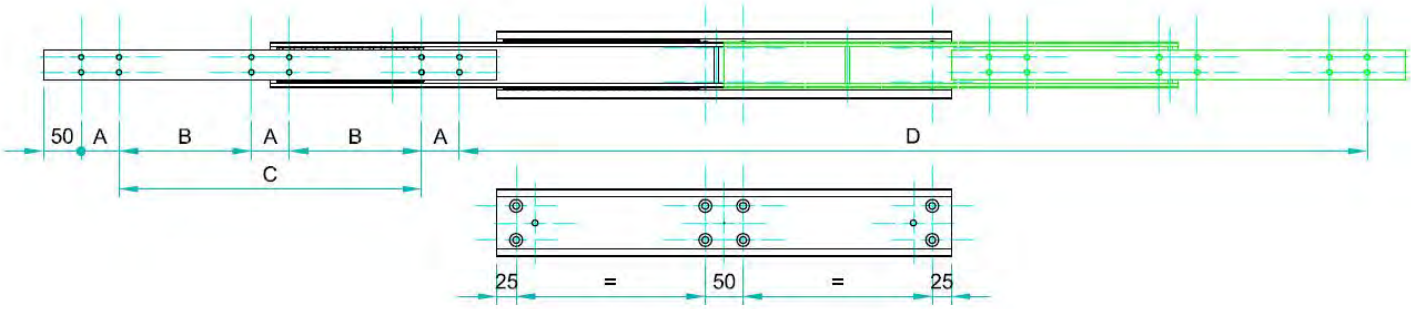
TSRT-100

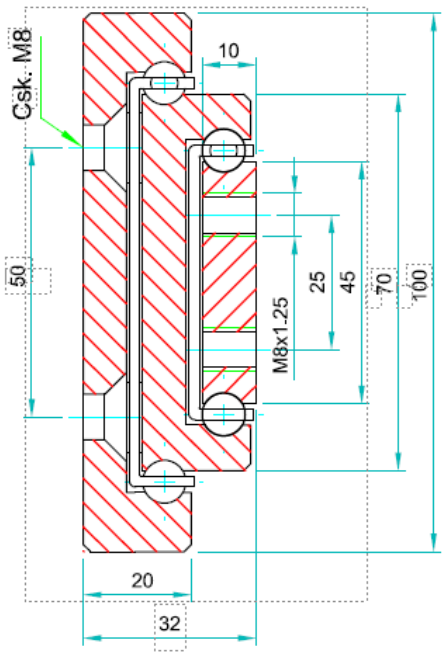
SLIDING SYSTEMS

Note: TSRT slide beams traverse without sequencing or hold & release devices. Not designed for vibrating vehicle mount or robotics



M8 threaded holes on inner beam for bolting into *End stop bolt* ↘ ↙ *End stop bolt*





TSRT-100 weighs 20.69 kg/m. Sold as singles				Drilling pattern		
Part number	Closed Length :L	Extension Length:D	Load per Pair: kg	"A"	"B"	"C"
4015.TSRT100.0300	300	300	820	50	-	100
4015.TSRT100.0350	350	350	860	50	-	150
4015.TSRT100.0400	400	400	900	50	-	200
4015.TSRT100.0450	450	450	940	50	-	250
4015.TSRT100.0500	500	500	960	50	-	300
4015.TSRT100.0550	550	550	980	50	-	350
4015.TSRT100.0600	600	600	1000	50	-	400
4015.TSRT100.0650	650	650	980	50	200	-
4015.TSRT100.0700	700	700	950	50	225	-
4015.TSRT100.0750	750	750	920	50	250	-
4015.TSRT100.0800	800	800	890	50	275	-
4015.TSRT100.0850	850	850	860	50	300	-
4015.TSRT100.0900	900	900	830	50	325	-
4015.TSRT100.0950	950	950	820	50	350	-
4015.TSRT100.1000	1000	1000	800	50	375	-
4015.TSRT100.1050	1050	1050	780	50	400	-
4015.TSRT100.1100	1100	1100	760	50	425	-
4015.TSRT100.1150	1150	1150	740	50	450	-
4015.TSRT100.1200	1200	1200	720	50	475	-
4015.TSRT100.1250	1250	1250	700	50	500	-
4015.TSRT100.1300	1300	1300	680	50	525	-
4015.TSRT100.1350	1350	1350	660	50	550	-
4015.TSRT100.1400	1400	1400	640	50	575	-
4015.TSRT100.1450	1450	1450	620	50	600	-
4015.TSRT100.1500	1500	1500	600	50	625	-
4015.TSRT100.1550	1550	1550	580	50	650	-
4015.TSRT100.1600	1600	1600	560	50	675	-
4015.TSRT100.1650	1650	1650	540	50	700	-
4015.TSRT100.1700	1700	1700	520	100	650	-
4015.TSRT100.1750	1750	1750	500	100	675	-
4015.TSRT100.1800	1800	1800	480	100	700	-
4015.TSRT100.1850	1850	1850	460	100	725	-
4015.TSRT100.1900	1900	1900	440	100	750	-
4015.TSRT100.1950	1950	1950	420	100	775	-
4015.TSRT100.2000	2000	2000	400	100	800	-

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

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If mounting on the indirect axis, flat, 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. If load capacities need to be increased, please contact us for technical advice.

Material: All steel parts/no plastics
Beams: Cold drawn carbon steel C45E+C. EN 10277 milled raceways
Ball bearings: Chromed steel C85, G100. Din 5401
Ball cages: Zinc plated sheet steel. Laser cut profiles
End bolts: Steel ASTM A307
Surface Protection: Electrolytic alkaline zinc coating (10-12 microns). conforming to DIN EN ISO 9227 neutral salt spray testing. No white rust appearance within 120 hours. No red rust within 1,032 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
Thread pitches: As per end profile image - coarse

Options:
'F' - One mounting beam countersunk
'FF' - Both beams countersunk
'SB' - Stainless steel 316L ball bearings
'SC' - Stainless steel ball cages
'SA' - Stainless end bolts & retaining pins

Bespoke length, drilling pattern & extension on request

Do not dismantle the slide!
The maximum safe working load is stated for a 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 at approx 1% of the closed length, at or near full load capacity.

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ISO 14001:2015 No.04216/0

'Global Company, Global Reach'

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