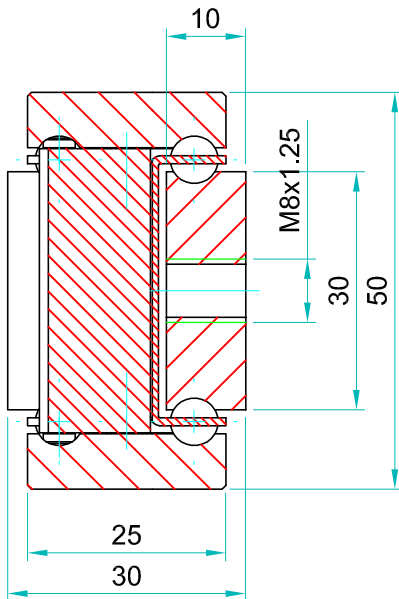


Full traversing is 2 x D when the slide is mounted in the open position



We do not recommend standard DTSB slides on automated/variable robotic pick & place or high speed shuttles. Factory adaptation and customer in situ testing is necessary. Operating speeds <0.3m/s. Consult our engineers ⚠️

SDTSB-50 weighs 8.92 kg/m. Sold as singles				Drilling pattern		
Part number	Closed Length:L	Extension Length:D	Load per Pair kg	"A"	"B"	"C"
4015.SDTSB050.0200	200	200	238	50	-	-
4015.SDTSB050.0250	250	250	245	50	-	50
4015.SDTSB050.0300	300	300	252	50	-	100
4015.SDTSB050.0350	350	350	259	50	-	150
4015.SDTSB050.0400	400	400	266	50	-	200
4015.SDTSB050.0450	450	450	273	50	-	250
4015.SDTSB050.0500	500	500	280	50	-	300
4015.SDTSB050.0550	550	550	287	50	150	-
4015.SDTSB050.0600	600	600	294	50	175	-
4015.SDTSB050.0650	650	650	287	50	200	-
4015.SDTSB050.0700	700	700	280	50	225	-
4015.SDTSB050.0750	750	750	273	50	250	-
4015.SDTSB050.0800	800	800	266	50	275	-
4015.SDTSB050.0850	850	850	259	50	300	-
4015.SDTSB050.0900	900	900	252	50	325	-
4015.SDTSB050.0950	950	950	245	50	350	-
4015.SDTSB050.1000	1000	1000	238	50	375	-
4015.SDTSB050.1050	1050	1050	231	50	400	-
4015.SDTSB050.1100	1100	1100	224	50	425	-
4015.SDTSB050.1150	1150	1150	217	50	450	-
4015.SDTSB050.1200	1200	1200	203	50	475	-
4015.SDTSB050.1250	1250	1250	196	50	500	-
4015.SDTSB050.1300	1300	1300	189	50	525	-
4015.SDTSB050.1350	1350	1350	182	50	550	-
4015.SDTSB050.1400	1400	1400	175	50	575	-
4015.SDTSB050.1450	1450	1450	161	50	600	-
4015.SDTSB050.1500	1500	1500	140	50	625	-
4015.SDTSB050.1550	1550	1550	133	50	650	-
4015.SDTSB050.1600	1600	1600	126	50	675	-



Professional Range - **Stainless Steel**

Bi-Directional Telescopic Slide

Type: SDTSB-50

Version: 2023/1

SDTSB-50

SLIDING
SYSTEMS



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 austenitic stainless steel parts

Beams: Stainless 316L (1.4404) precision milled

Ball bearings: Stainless 316L (1.4404)

Ball cages: Stainless 316L (1.4404)

End bolts & stopping pins: Stainless A2 304 (1.4301)

Surface treatment: Polished

Temperature range: Cryogenic to $\approx 800^{\circ}$ C with suitable lubrication & material yield strength reduction

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

'V' - V shaped raceways (bi-directional slides)

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.



'Global Company, Global Reach'