

TORQUE RESISTANT BALL BUSHINGS

Torque resistant ball bushings enable torque to be transmitted whilst the bush travels linearly. Our torque-resistant ball bushings are a high precision linear motion system.

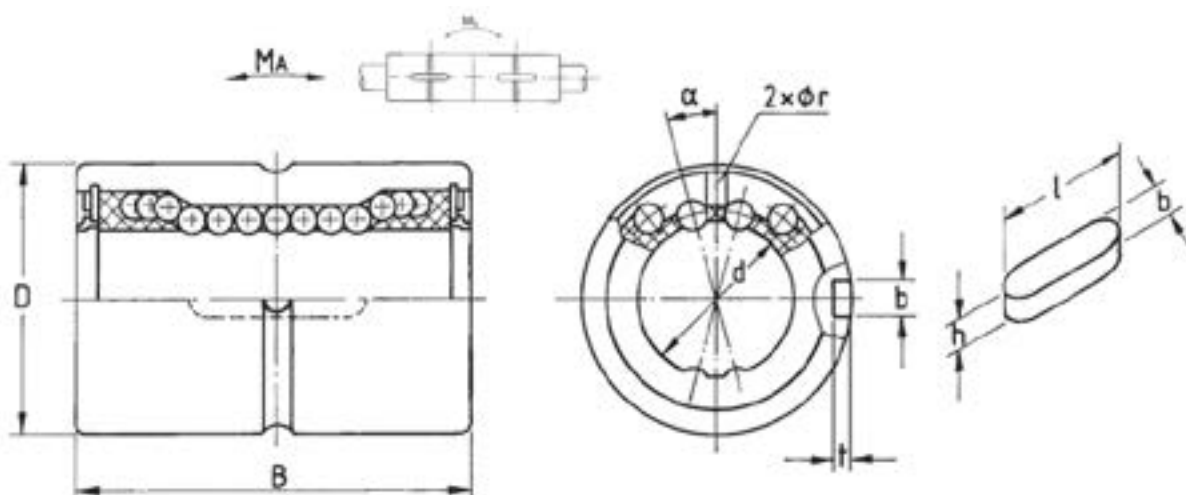
The bushing as well as the shaft is equipped with ball guide grooves with special gothic arch profiles. This 4 point contact design offers a considerable load capacity and a high rigidity through slight pre-loading.

High torque loads (via driven shaft or driven bush) and shock resistance are ensured with this particularly compact space-saving design. The optimised load carrying tracks and the polyamide cage enable very smooth motion. The bushing has a lubrication hole.

To retain the lubricant inside the bushing the seals at both ends are designed to fit snugly into the ball grooves. See following pages for the necessary special splined shafting.



See website for full range of sizes



										Torque		Load		Moment		Weight (kg)
PART	$h7$ d	D	B	$H8$ b	t	h	l	r	α	C _t (Nm)	C _{0t} (Nm)	C (N)	C ₀ (N)	M _A (Nm)	M _B (Nm)	
SSP4-304	4	10	16	2.0	1.2	2.0	6	-	60	0.7	1.0	860	1220	2.0	10	0.01
SSP4-306	6	14	25	2.5	1.2	2.5	10.5	1	60	1.5	2.4	1220	2280	5.1	40	0.02
SSP4-308	8	16	25	2.5	1.2	2.5	10.5	1.5	60	2.1	3.7	1450	2870	7.4	50	0.02
SSP4-310	10	21	33	3.0	1.5	3.0	13	1.5	60	4.4	8.2	2730	5070	18.0	116	0.05
SSP4-314	13	24	36	3.0	1.5	3.0	15	1.5	25	21	40	2700	4900	13.7	109	0.07
SSP4-316	16	31	50	3.5	2.0	3.5	17.5	2.0	25	60	110	6150	11200	46	299	0.15
SSP4-320	18.2	32	60	4.0	2.5	4.0	26	2.0	16	85	136	8000	11500	64	500	0.20
SSP4-325	23	37	70	5.0	3.0	5.0	33	3.0	16	165	244	12600	16400	106	830	0.22
SSP4-330	28	45	80	7.0	4.0	7.0	41	3.0	16	295	420	19000	23700	185	1470	0.35
SSP4-340	37.4	60	100	10	4.5	8.0	55	4.0	16	650	900	31400	38300	365	2940	0.81
SSP4-350	47	75	112	15	5.0	10	60	4.0	16	1420	3240	47000	75700	710	4400	1.50
SSP4-360	56.5	90	127	18	6.0	11	68	4.0	16	2100	4800	58000	127000	1300	8800	2.50

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