

TORQUE RESISTANT SLIDING/ROTATING BUSH

This unit combines:

- The sliding properties of a ball bushing
- The anti-torque of a spline shaft (the shaft is grooved to allow 4 circuits of balls to engage in it)
- the low friction, high load capacity & rigidity of a cross roller bearing

All in one tidy unit !!

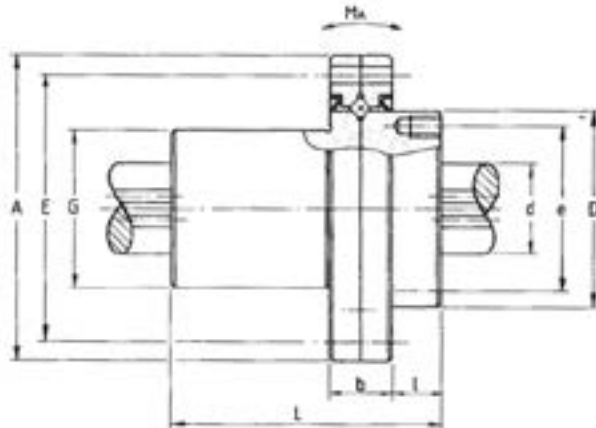
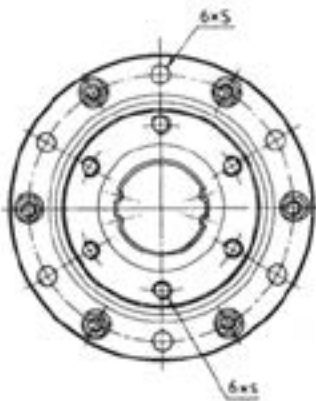
Mounting holes are provided in the the faces of the torque resistant bush (PCD values in column e) and the radial bearing (PCD values in column E)



This unit is designed for heavy duty applications.

Examples of applications:

- Rotating Z axis on pick and place machine or robot
- Tool turret on machine tool
- Spooling and winding machines



PART	d	D	L	A	b	E	S	G	I	e	S	Torque		Slide Bush Load		Radial Brg Load			Max rpm
												C _T (Nm)	C _{OT} (Nm)	C (kN)	C ₀ (N)	M _A (Nm)	C (kN)	C ₀ (kN)	
SPR1-314	13	29	36	50	9	42	3.4	24	8	24	M3X5	21	39	2.6	4.9	13	3	3.7	1800
SPR1-316	16	36	50	60	11	50	4.5	31	10	30	M4X6	60	110	6.1	11.2	46	5.6	6.7	1500
SPR1-320	18.2	40	60	66	13	56	4.5	34	12	34	M4X7	83	133	7.8	11.3	63	5.9	7.3	1200
SPR1-325	23	50	70	78	16	68	4.5	40	13	42	M5X8	162	239	12.3	16.1	104	9.1	11.5	1000
SPR1-330	28	61	80	100	17	86	6.6	47	17	52	M6X10	289	412	18.6	23.2	181	13.2	18	800
SPR1-340	37.4	76	100	120	20	104	6.6	62	23	64	M6X10	637	882	30.8	37.5	358	22.8	32.3	600
SPR1-350	47	88	112	130	22	114	9.0	75	24	77	M8X13	1390	3180	46.1	74.2	696	27.2	42.1	570
SPR1-360	56.5	102	127	150	25	132	9.0	90	25	90	M8X13	2100	4800	58	127.4	1300	30	48.2	500