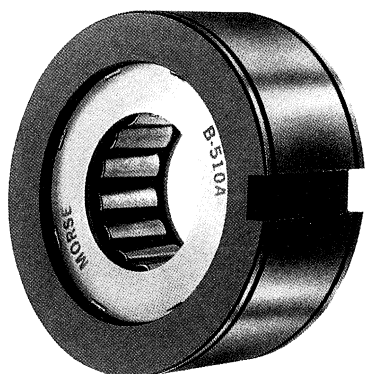


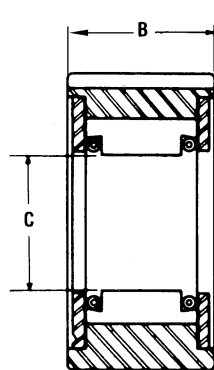
Shaft Mount Backstop Clutches and Standard Races for Sprag Elements



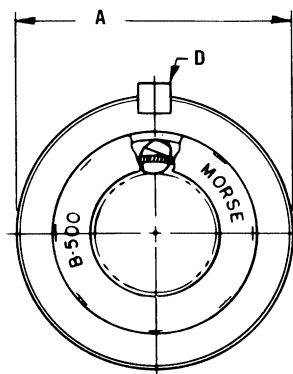
Shaft Mounted Sprag Clutch Assemblies for Backstop Applications



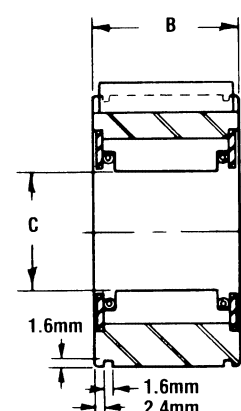
Types B200 & 500



B200 Series Plain Outer Race



B500 Series with Circlip Grooves



Dimensions

Clutch Size	Nominal Torque ⁽¹⁾ Nm	Max Shaft Overrun rpm	Dimensions				Approx Weight kg	Standard Bearing with same O.D.
			A mm	B mm	C ⁽²⁾ mm	D ins		
B 203A	53	2500	39.99/39.95	25.4	16.51/16.49	1/8x1/16	.23	6203
B 204A	68	2500	46.99/46.95	25.4	18.80/18.77	3/16x3/32	.34	6204
B 205A	108	2500	51.98/51.94	25.4	23.62/23.60	3/16x3/32	.34	6205
B 206A	237	2000	61.98/61.95	28.6	32.77/32.74	1/4x1/8	.45	6206
B 207A	373	2000	71.99/71.95	28.6	42.09/42.06	1/4x1/8	.57	6207
B 208A	550	1800	79.99/79.95	31.8	46.76/46.74	3/8x3/16	.79	6208
B210A	780	1800	89.99/89.95	31.8	56.11/56.08	3/8x3/16	.91	6210
B 501A	82	2500	39.99/39.97	25.4	16.51/16.50	1/8x1/16	.23	6203
B 502	82	2500	46.96/46.94	22.2	18.75/18.74	1/4x1/8	.34	6204
B 506	217	2000	61.96/61.94	25.4	28.79/28.77	1/4x1/8	.34	6206
B 507A	217	2000	61.96/61.94	28.6	24.65/24.63	1/4x1/8	.45	6206
B 509A	339	2000	71.96/71.94	31.8	28.79/28.77	1/4x1/8	.68	6207
B 510A	339	2000	79.97/79.94	34.9	32.93/32.91	3/8x3/16	.79	6208
B 511A	712	2000	79.97/79.94	41.3	34.99/34.97	3/8x3/16	.91	6208
B 512A	882	2000	89.97/89.94	41.3	39.14/39.12	3/8x3/16	.91	6210
B 513	1695	1800	120.65/120.62	44.4	51.96/51.94	1/2x1/4	1.13	-

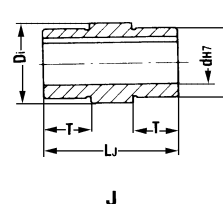
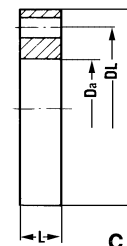
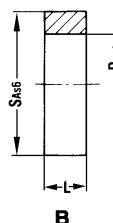
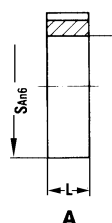
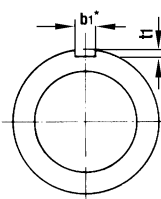
(1) Max torque capacity for short periods 1.7x torque.

(2) Required shaft diameter for correct operation. Shaft should be made from high tensile carburising steels hardened to 58-62 Rc with minimum case 1.2mm after grinding. Grind to 0.4 um surface finish, with parallelism within 0.2%.

Inner and Outer Races for Standard Sprag Element

A range of standard inner and outer race for the most popular sizes of sprags, manufactured from carburised hardened steel with all faces finish ground. Maximum torque capacity of these races is controlled by the keys, and not sprag clutch rating. Housings for races should be manufactured to H7 tolerance

and shafts to j6. Race type B transmits torque through heavy press fit in housing. These races eliminate the need to harden shafts and housings, and enable servicing of machines by replacement after normal service wear.



Type	Std Bore Sizes	Dimensions mm													For + Clutch Nos.
		dH7*	Da ±0.013	SA	Sc	L	b1	t1	No. Holes x dia.	DL ±0.1	Di +.008/-0.005	D j6	LG	LJ	
230A/230B/230C 230G/230J	10, 15, 20	54.750	72	95	16	6	3.5	8x7.0	78	39.092	35	16	50	17	133392
167A/167B/167C 167G/167J	20, 30, 35	71.427	90	110	16	10	5.0	8x9.0	95	54.765	50	16	54	19	1310172 1310226
168A/168B/168C 168G/168J	40, 45, 50	88.882	110	140	21	14	5.5	8x11.0	120	72.217	65	21	63	62	1310080 13168 134012

* Keyways to DIN 6885 sht. 1. + Races for other Sprag Clutches can be supplied to order.