

Spindle ball bearings

GRW designation	Main dimensions in [mm] [inch]			Load ratings acc. to DIN ISO		Ball set		Limiting speeds*		Preload		
	d	D	B	C _{0r} [N]	C _r [N]	Z	D _w [mm] [inch]	Oil [min ⁻¹]	Grease [min ⁻¹]	(L) light [N]	(M) medium [N]	(S) heavy [N]

AC bearings, open, metric

SV7203 C TA	17.00 .6693	40.00 1.5748	12.00 .4724	5090	8730	12	5.556 .2187	85,000	55,000	35	70	140
SV7203 E TA	17.00 .6693	40.00 1.5748	12.00 .4724	4860	8340	12	5.556 .2187	75,000	49,000	60	120	240
SV7804 C TA	20.00 .7874	32.00 1.2598	7.00 .2756	2772	3772	18	3.175 .1250	65,000	54,000	19	58	115
HYSV7804 C TA	20.00 .7874	32.00 1.2598	7.00 .2756	1941	3772	18	3.175 .1250	96,000	69,000	19	58	115
SV7804 E TA	20.00 .7874	32.00 1.2598	7.00 .2756	2870	3865	18	3.175 .1250	56,000	46,000	19	58	115
HYSV7804 E TA	20.00 .7874	32.00 1.2598	7.00 .2756	2009	3772	18	3.175 .1250	82,000	59,000	19	58	115
SV7904 C TA	20.00 .7874	37.00 1.4567	9.00 .3543	4854	7543	15	4.763 .1875	6,000	49,000	39	116	232
HYSV7904 C TA	20.00 .7874	37.00 1.4567	9.00 .3543	3398	7543	15	4.763 .1875	88,000	63,000	39	116	232
SV7904 E TA	20.00 .7874	37.00 1.4567	9.00 .3543	4554	7214	15	4.763 .1875	51,000	42,000	39	116	232
HYSV7904 E TA	20.00 .7874	37.00 1.4567	9.00 .3543	3188	7214	15	4.763 .1875	75,000	54,000	39	116	232
SV7004 C TA	20.00 .7874	42.00 1.6535	12.00 .4724	6090	9660	14	5.556 .2187	75,000	49,000	35	70	140
SV7004 E TA	20.00 .7874	42.00 1.6535	12.00 .4724	5810	9210	14	5.556 .2187	66,000	43,000	55	110	220
SV7204 C TA	20.00 .7874	47.00 1.8504	14.00 .5512	7320	11700	13	6.350 .2500	72,000	47,000	45	90	180
SV7204 E TA	20.00 .7874	47.00 1.8504	14.00 .5512	7010	11100	13	6.350 .2500	63,000	41,000	70	140	280
SV7805 C TA	25.00 .9843	37.00 1.4567	7.00 .2756	2335	3397	19	3.175 .1250	55,000	45,000	17	52	104
HYSV7805 C TA	25.00 .9843	37.00 1.4567	7.00 .2756	1634	3397	19	3.175 .1250	81,000	58,000	17	52	104
SV7005 C TA	25.00 .9843	47.00 1.8504	12.00 .4724	6918	11769	12	6.747 .2656	47,000	39,000	59	177	353
HYSV7005 C TA	25.00 .9843	47.00 1.8504	12.00 .4724	4843	11769	12	6.747 .2656	69,000	5,000	59	177	353
SV7005 E TA	25.00 .9843	47.00 1.8504	12.00 .4724	6890	9920	16	5.556 .2187	57,000	37,000	55	110	220
(SV)7205 C TA	25.00 .9843	52.00 2.0472	15.00 .5906	8710	12800	15	6.350 .2500	63,000	41,000	50	100	200
(SV)7205 E TA	25.00 .9843	52.00 2.0472	15.00 .5906	8330	12100	15	6.350 .2500	55,000	36,000	80	160	320
(SV)7006 C TA	30.00 1.1811	55.00 2.1654	13.00 .5118	9010	12100	17	5.953 .2344	55,000	36,000	40	80	160
(SV)7006 E TA	30.00 1.1811	55.00 2.1654	13.00 .5118	8560	11500	17	5.953 .2344	48,000	31,000	65	130	260