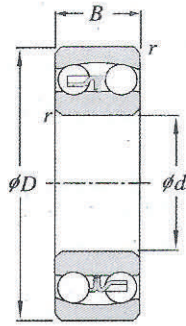




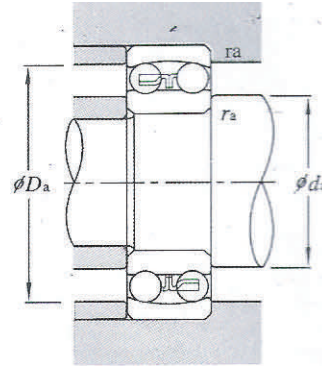
SELF-ALIGNING BALL BEARING



Cylindrical bore



Tapered bore



Boundary dimensions			Basic load ratings				Limiting speeds		Bearing numbers		Abutment and fillet dimensions			Mass
mm			dynamic	static	dynamic	static	min^{-1}		cylindrical	tapered ²⁾	mm			kg
D	B	$r_{\text{min}}^{1)}$	C_r	C_{or}	C_r	C_{or}	grease	oil	bore	bore	d_a min	D_a max	r_{as} max	(approx.)
80	18	1.1	19.3	6.50	1970	665	7500	9000	1208S	1208SK	46.5	73.5	1	0.415
80	23	1.1	22.4	7.35	2290	750	7500	9000	2208S	2208SK	46.5	73.5	1	0.477
90	23	1.5	29.8	9.70	3050	990	6700	8500	1308S	1308SK	48.0	82.0	1.5	0.715
90	33	1.5	45.5	13.5	4650	1380	6300	8000	2308S	2308SK	48.0	82.0	1.5	0.889
85	19	1.1	22.0	7.35	2240	750	7100	8500	1209S	1209SK	51.5	78.5	1	0.465
85	23	1.1	23.3	8.15	2380	830	7100	8500	2209S	2209SK	51.5	78.5	1	0.522
100	25	1.5	38.5	12.7	3900	1300	6000	7500	1309S	1309SK	53.0	92.0	1.5	0.955
100	36	1.5	55.0	16.7	5600	1700	5600	7100	2309S	2309SK	53.0	92.0	1.5	1.200
90	20	1.1	22.8	8.10	2330	830	6300	8000	1210S	1210SK	56.5	83.5	1	0.525
90	23	1.1	23.3	8.45	2380	865	6300	8000	2210S	2210SK	56.5	83.5	1	0.564
110	27	2	43.5	14.1	4450	1440	5600	6700	1310S	1310SK	59.0	101	2	1.250
110	40	2	65.0	20.2	6650	2060	5000	6300	2310S	2310SK	59.0	101	2	1.580
100	21	1.5	26.9	10.0	2750	1020	6000	7100	1211S	1211SK	63.0	92.0	1.5	0.705
100	25	1.5	26.7	9.90	2720	1010	6000	7100	2211S	2211SK	63.0	92.0	1.5	0.746
120	29	2	51.5	17.9	5250	1820	5000	6300	1311S	1311SK	64.0	111	2	1.600
120	43	2	76.5	24.0	7800	2450	4800	6000	2311S	2311SK	64.0	111	2	2.030
110	22	1.5	30.5	11.5	3100	1180	5300	6300	1212S	1212SK	68.0	102	1.5	0.900
110	28	1.5	34.0	12.6	3500	1290	5300	6300	2212S	2212SK	68.0	102	1.5	1.030
130	31	2.1	57.5	20.8	5900	2130	4500	5600	1312S	1312SK	71.0	119	2	2.03
130	46	2.1	88.5	28.3	9000	2880	4300	5300	2312S	2312SK	71.0	119	2	2.570
120	23	1.5	31.0	12.5	3150	1280	4800	6000	1213S	1213SK	73.0	112	1.5	1.150
120	31	1.5	43.5	16.4	4450	1670	4800	6000	2213S	2213SK	73.0	112	1.5	1.400
140	33	2.1	62.5	22.9	6350	2330	4300	5300	1313S	1313SK	76.0	129	2	2.540
140	48	2.1	97.0	32.5	9900	3300	3800	4800	2313S	2313SK	76.0	129	2	3.200
125	24	1.5	35.0	13.8	3550	1410	4800	5600	1214S	1214SK	78.0	117	1.5	1.300
125	31	1.5	44.0	17.1	4500	1740	4500	5600	2214S	2214SK	78.0	117	1.5	1.520
150	35	2.1	75.0	27.7	7650	2830	4000	5000	1314S	1314SK	81.0	139	2	3.190
150	51	2.1	111	37.5	1130	3850	3600	4500	2314S	2314SK	81.0	139	2	3.900
130	25	1.5	39.5	15.7	4000	1600	4300	5300	1215S	1215SK	83.0	122	1.5	1.410
130	31	1.5	44.5	17.8	4550	1820	4300	5300	2215S	2215SK	83.0	122	1.5	1.600
160	37	2.1	80.0	30.0	8150	3050	3800	4500	1315S	1315SK	86.0	149	2	3.650
160	55	2.1	125	43.0	12700	4400	3400	4300	2315S	2315SK	86.0	149	2	4.770