

DPI®

Self Aligning Ball Bearings

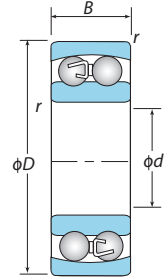
Self Aligning Ball Bearings

Self Aligning ball bearings have spherical outer raceway. The centre of this raceway coincides the centre of the bearing itself. Due to this specific design the rolling elements rotate and align themselves in the event they are misaligned. These are very useful in applications where there is displacement of the centers around the shaft and housing rotate and deflection are likely to occur.

The standard cage used are staggered type pressed steel cages and snap type pressed steel cages. Additionally Copper alloy machined cages are also available.

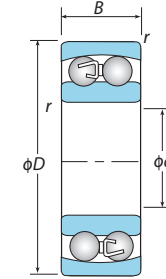
For details on boundary dimensions and specifications please refer to the tables overleaf.

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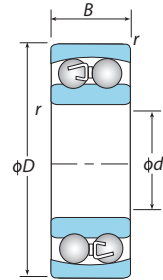
BEARING NUMBER	GOCT	BEARING NUMBER	GOCT	BEARING NUMBER	GOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight KG
						d	D	B	r	C	Co	Oil Lube	Grease Lube	
1200	1200	1200K	111200	1200 K+H	11200	10	30	9	0.6	5.50	1.20	23000	28000	0.034
1201	1201	1201K	111201	1201 K+H	11200	12	32	10	0.6	5.60	1.25	21000	26000	0.040
1202	1202	1202K	111202	1202 K+H	11201	15	35	11	0.6	7.45	1.75	18000	22000	0.049
1203	1203	1203K	111203	1203 K+H	11202	17	40	12	0.6	7.90	2.00	16000	20000	0.073
1204	1204	1204K	111204	1204 K+H	11203	20	47	14	1.0	9.90	2.60	14000	17000	0.120
1205	1205	1205K	111205	1205 K+H	11204	25	52	15	1.0	12.10	3.30	12000	14000	0.141
1206	1206	1206K	111206	1206 K+H	11205	30	62	16	1.0	15.60	4.65	9900	12000	0.220
1207	1207	1207K	111207	1207 K+H	11206	35	72	17	1.1	15.80	5.10	8500	10000	0.323
1208	1208	1208K	111208	1208 K+H	11207	40	80	18	1.1	19.20	6.50	7500	9200	0.417
1209	1209	1209K	111209	1209 K+H	11208	45	85	19	1.1	21.80	7.35	7000	8500	0.465
1210	1210	1210K	111210	1210 K+H	11209	50	90	20	1.1	22.70	8.10	6500	7900	0.525
1211	1211	1211K	111211	1211 K+H	11210	55	100	21	1.5	26.80	10.00	5800	7100	0.705
1212	1212	1212K	111212	1212 K+H	11211	60	110	22	1.5	30.20	11.50	5200	6400	0.900
1213	1213	1213K	111213	1213 K+H	11212	65	120	23	1.5	31.00	12.50	4800	5800	1.150
1214	1214	1214K	111214	1214 K+H	11213	70	125	24	1.5	34.60	13.80	4600	5700	1.260
1215	1215	1215K	111215	1215 K+H	11214	75	130	25	1.5	38.80	15.70	4300	5300	1.360
1216	1216	1216K	111216	1216 K+H	11215	80	140	26	2.0	39.80	17.00	4000	4900	1.670
1217	1217	1217K	111217	1217 K+H	11216	85	150	28	2.0	49.20	20.80	3800	4600	2.070
1218	1218	1218K	111218	1218 K+H	11217	90	160	30	2.0	56.80	23.40	3500	4300	2.520
1219	1219	1219K	111219	1219 K+H	11218	95	170	32	2.1	57.00	24.30	3300	4000	3.100
1220	1220	1220K	111220	1220 K+H	11219	100	180	34	2.1	69.00	29.70	3100	3800	3.700

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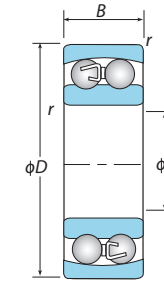
BEARING NUMBER	GOCT	BEARING NUMBER	GOCT	BEARING NUMBER	GOCT	NOMINAL DIMENSIONS[mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight KG
						d	D	B	r	C	Co	Oil Lube	Grease Lube	
1300	1300	1300K	111300	1300 K+H	11300	10	35	11	0.6	7.25	1.60	20000	24000	0.058
1301	1301	1301K	111301	1301 K+H	11300	12	37	12	1.0	9.40	2.15	18000	22000	0.067
1302	1302	1302K	111302	1302 K+H	11301	15	42	13	1.0	9.55	2.30	16000	20000	0.094
1303	1303	1303K	111303	1303 K+H	11302	17	47	14	1.0	12.50	3.20	14000	17000	0.130
1304	1304	1304K	111304	1304 K+H	11303	20	52	15	1.1	12.40	3.30	13000	15000	0.163
1305	1305	1305K	111305	1305 K+H	11304	25	62	17	1.1	18.00	5.00	9900	12000	0.257
1306	1306	1306K	111306	1306 K+H	11305	30	72	19	1.1	21.30	6.30	8700	11000	0.387
1307	1307	1307K	111307	1307 K+H	11306	35	80	21	1.5	25.1	7.85	7600	9300	0.510
1308	1308	1308K	111308	1308 K+H	11307	40	90	23	1.5	29.5	9.7	6900	8400	0.715
1309	1309	1309K	111309	1309 K+H	11308	45	100	25	1.5	38.1	12.7	6100	7500	0.957
1310	1310	1310K	111310	1310 K+H	11309	50	110	27	2.0	43.40	14.10	5600	6800	1.210
1311	1311	1311K	111311	1311 K+H	11310	55	120	29	2.0	51.30	17.90	5000	6200	1.580
1312	1312	1312K	111312	1312 K+H	11311	60	130	31	2.1	57.20	20.80	4500	5500	1.960
1313	1313	1313K	111313	1313 K+H	11312	65	140	33	2.1	61.70	22.90	4300	5200	2.450
1314	1314	1314K	111314	1314 K+H	11313	70	150	35	2.1	74.00	27.70	4000	4900	2.990
1315	1315	1315K	111315	1315 K+H	11314	75	160	37	2.1	78.90	29.90	4000	4900	3.560
1316	1316	1316K	111316	1316 K+H	11315	80	170	39	2.1	88.10	33.10	3500	4300	4.180
1317	1317	1317K	111317	1317 K+H	11316	85	180	41	3.0	97.30	37.80	3300	4000	4.980
1318	1318	1318K	111318	1318 K+H	11317	90	190	43	3.0	116.00	44.40	3100	3800	5.800
1319	1319	1319K	111319	1319 K+H	11318	95	200	45	3.0	132.00	50.80	2900	3600	6.690
1320	1320	1320K	111320	1320 K+H	11319	100	215	47	3.0	143.00	57.30	2800	3400	8.300

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BEARING NUMBER	FOCT	BEARING NUMBER	FOCT	NOMINAL DIMENSIONS [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight KG
				d	D	B	r	C	Co	Oil Lube	Grease Lube	
2200	1500	2200 K	111500	10	30	14	0.6	7.40	1.60	23000	29000	0.047
2201	1501	2201 K	111501	12	32	14	0.6	7.56	1.75	21000	26000	0.053
2202	1502	2202 K	111502	15	35	14	0.6	7.70	1.85	18000	22000	0.060
2203	1503	2203 K	111503	17	40	16	0.6	9.80	2.40	16000	20000	0.088
2204	1504	2204 K	111504	20	47	18	1.0	12.60	3.30	14000	17000	0.140
2205	1505	2205 K	111505	25	52	18	1.0	12.60	3.50	12000	15000	0.163
2206	1506	2206 K	111506	30	62	20	1.0	15.60	4.65	10000	12000	0.254
2207	1507	2207 K	111507	35	72	23	1.1	21.60	6.60	8500	10000	0.403
2208	1508	2208 K	111508	40	80	23	1.1	22.40	7.40	7600	9300	0.505
2209	1509	2209 K	111509	45	85	23	1.1	23.30	8.15	7000	8500	0.545
2210	1510	2210 K	111510	50	90	23	1.1	23.30	8.50	6500	7900	0.590
2211	1511	2211 K	111511	55	100	25	1.5	26.80	10.00	5800	7100	0.810
2212	1512	2212 K	111512	60	110	28	1.5	34.10	12.60	5300	6500	1.090

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BEARING NUMBER	FOCT	DIMENSIONS IN - MM			BASIC LOAD RATINGS & Static		RPM	Wt. Kg
		d	D	B	Dynamic	Static		
2300	1600	10	35	17	7500	1600	16000	0.083
2301	1601	12	37	17	8800	2000	14000	0.090
2302	1602	15	42	17	8900	2200	12000	0.114
2303	1603	17	47	19	11000	2700	10000	0.156
2304	1604	20	52	21	13600	3600	11000	0.210
2305	1605	25	62	24	18000	4900	8000	0.335
2306	1606	30	72	27	23400	6600	6800	0.500
2307	1607	35	80	31	29800	8400	5600	0.675
2308	1608	40	90	33	40500	12000	5200	0.925
2309	1609	45	100	36	47900	14500	4600	1.230
2310	1610	50	110	40	47900	15000	4300	1.630
2311	1611	55	120	43	57100	18000	3800	2.100
2312	1612	60	130	46	65300	21100	3600	2.600
2313	1613	65	140	48	71700	24300	3200	3.200
2314	1614	70	150	51	83300	28400	3000	3.920
2315	1615	75	160	55	93000	32200	2700	4.780
2316	1616	80	170	58	101000	36800	2600	5.650
2317	1617	85	80	60	105000	38200	2400	6.550
2318	1618	90	190	64	115000	42800	2200	7.750
2319	1619	95	200	67	124000	48000	2100	9.050
2320	1620	100	215	73	143000	60000	2000	11.500