

DOUBLE ROW SELF ALIGNING BALL BEARINGS

Double Row Self Aligning Ball Bearings has the tract on the outer race is ground spherical and it's this feature which gives these bearings the properties of self alignment. Due to the character of self alignment these bearings are not affected by the shaft deflection and mounting errors and a shaft deflection up to 4° is automatically adjusted without damaging the bearings.



BEARING NUMBER	NOMINAL DIMENSIONS' [mm]				LOAD RATING(kN)		LIMITING SPEED(RPM)		Weight
					Dynamic	Static	Oil	Grease	
	d	D	B	r	C	Co	Lube	Lube	Kgs
1200	10	30	9	0.6	5.5	1.2	23000	28000	0.034
1201	12	32	10	0.6	5.6	1.25	21000	26000	0.040
1202	15	35	11	0.6	7.45	1.75	18000	22000	0.049
1203	17	40	12	0.6	7.9	2	16000	20000	0.073
1204	20	47	14	1	9.9	2.6	14000	17000	0.120
1205	25	52	15	1	12.1	3.3	12000	14000	0.141
1206	30	62	16	1	15.6	4.65	9900	12000	0.220
1207	35	72	17	1.1	15.8	5.1	8500	10000	0.323
1208	40	80	18	1.1	19.2	6.5	7500	9200	0.417
1209	45	85	19	1.1	21.8	7.35	7000	8500	0.465
1210	50	90	20	1.1	22.7	8.1	6500	7900	0.525
1211	55	100	21	1.5	26.8	10	5800	7100	0.705
1212	60	110	22	1.5	30.2	11.5	5200	6400	0.900
1213	65	120	23	1.5	31	12.5	4800	5800	1.150
1214	70	125	24	1.5	34.6	13.8	4600	5700	1.260
1215	75	130	25	1.5	38.8	15.7	4300	5300	1.360
1216	80	140	26	2	39.8	17	4000	4900	1.670
1217	85	150	28	2	49.2	20.8	3800	4600	2.070
1218	90	160	30	2	56.8	23.4	3500	4300	2.520
1219	95	170	32	2.1	57	24.3	3300	4000	3.100
1220	100	180	34	2.1	69	29.7	3100	3800	3.700

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					Dynamic	Static	Oil	Grease	
	d	D	B	r	C	Co	Lube	Lube	Kgs
1300	10	35	11	0.6	7.25	1.6	20000	24000	0.058
1301	12	37	12	1	9.4	2.15	18000	22000	0.067
1302	15	42	13	1	9.55	2.3	16000	20000	0.094
1303	17	47	14	1	12.5	3.2	14000	17000	0.130
1304	20	52	15	1.1	12.4	3.3	13000	15000	0.163
1305	25	62	17	1.1	18	5	9900	12000	0.257
1306	30	72	19	1.1	21.3	6.3	8700	11000	0.387
1307	35	80	21	1.5	25.1	7.85	7600	9300	0.510
1308	40	90	23	1.5	29.5	9.7	6900	8400	0.715
1309	45	100	25	1.5	38.1	12.7	6100	7500	0.957
1310	50	110	27	2	43.4	14.1	5600	6800	1.210
1311	55	120	29	2	51.3	17.9	5000	6200	1.580
1312	60	130	31	2.1	57.2	20.8	4500	5500	1.960
1313	65	140	33	2.1	61.7	22.9	4300	5200	2.450
1314	70	150	35	2.1	74	27.7	4000	4900	2.990
1315	75	160	37	2.1	78.9	29.9	4000	4900	3.560
1316	80	170	39	2.1	88.1	33.1	3500	4300	4.180
1317	85	180	41	3	97.3	37.8	3300	4000	4.980
1318	90	190	43	3	116	44.4	3100	3800	5.800
1319	95	200	45	3	132	50.8	2900	3600	6.690
1320	100	215	47	3	143	57.3	2800	3400	8.300

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					Dynamic	Static	Oil	Grease	
	d	D	B	r	C	Co	Lube	Lube	Kgs
2200	10	30	14	0.6	7.4	1.6	23000	29000	0.047
2201	12	32	14	0.6	7.56	1.75	21000	26000	0.053
2202	15	35	14	0.6	7.7	1.85	18000	22000	0.060
2203	17	40	16	0.6	9.8	2.4	16000	20000	0.088
2204	20	47	18	1	12.6	3.3	14000	17000	0.140
2205	25	52	18	1	12.6	3.5	12000	15000	0.163
2206	30	62	20	1	15.6	4.65	10000	12000	0.254
2207	35	72	23	1.1	21.6	6.6	8500	10000	0.403
2208	40	80	23	1.1	22.4	7.4	7600	9300	0.505
2209	45	85	23	1.1	23.3	8.15	7000	8500	0.545
2210	50	90	23	1.1	23.3	8.5	6500	7900	0.590
2211	55	100	25	1.5	26.8	10	5800	7100	0.810
2212	60	110	28	1.5	34.1	12.6	5300	6500	1.090

BEARING NUMBER	NOMINAL DIMENSIONS' [mm]			LOAD RATING(kN)		RPM	Weight
				Dynamic	Static		Kgs
	d	D	B				
2300	10	35	17	7500	1600	16000	0.083
2301	12	37	17	8800	2000	14000	0.090
2302	15	42	17	8900	2200	12000	0.114
2303	17	47	19	11000	2700	10000	0.156
2304	20	52	21	13600	3600	11000	0.210
2305	25	62	24	18000	4900	8000	0.335
2306	30	72	27	23400	6600	6800	0.500
2307	35	80	31	29800	8400	5600	0.675
2308	40	90	33	40500	12000	5200	0.925
2309	45	100	36	47900	14500	4600	0.230
2310	50	110	40	47900	15000	4300	0.630
2311	55	120	43	57100	18000	3800	0.100
2312	60	130	46	65300	21100	3600	0.600
2313	65	140	48	71700	24300	3200	0.200
2314	70	150	51	83300	28400	3000	0.920
2315	75	160	55	93000	32200	2700	0.780
2316	80	170	58	101000	36800	2600	0.650
2317	85	180	60	105000	38200	2400	0.550
2318	90	190	64	115000	42800	2200	0.750
2319	95	200	67	124000	48000	2100	0.050
2320	100	215	73	143000	60000	2000	1.500