



Self-Aligning Ball Bearings* 1200 Series & 2200 Series

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Bearing Number	Dimensions (mm)			Basic Load Ratings (kN)		Limiting Speeds (rev/min)		Weight kg
	Bore	OD	Width	C_r	C_{or}	Grease	Oil	
	d	D	t					
1200	10	30	9	5.50	1.20	23000	28000	0.034
1201	12	32	10	5.60	1.25	21000	26000	0.040
1202	15	35	11	7.45	1.75	18000	22000	0.049
1203	17	40	12	7.90	2.00	16000	20000	0.073
1204	20	47	14	9.90	2.60	14000	17000	0.120
1205	25	52	15	12.10	3.30	12000	14000	0.141
1206	30	62	16	15.60	4.65	9900	12000	0.220
1207	35	72	17	15.80	5.10	8500	10000	0.323
1208	40	80	18	19.20	6.50	7500	9200	0.417
1209	45	85	19	21.80	7.35	7000	8500	0.456
1210	50	90	20	22.70	8.10	6500	7900	0.525
1211	55	100	21	26.80	10.00	5800	7100	0.705
1212	60	110	22	30.20	11.50	5200	6400	0.900
1213	65	120	23	31.00	12.50	4800	5800	1.150
1214	70	125	24	34.60	13.80	4600	5700	1.260
1215	75	130	25	38.80	15.70	4300	5300	1.360
1216	80	140	26	39.8	17.0	4000	4900	1.670
1217	85	150	28	49.2	20.8	3800	4600	2.070
1218	90	160	30	56.8	23.4	3500	4300	2.520
1219	95	170	32	57.0	24.3	3300	4000	3.100
1220	100	180	34	69.0	29.7	3100	3800	3.700
1221	105	190	36	77.0	34.0	2900	3600	4.370
1222	110	200	38	80.2	35.2	2800	3400	5.150

2201	12	32	14	7.65	1.75	2100	2600	0.053
2202	15	35	14	7.70	1.85	1800	22000	0.060
2203	17	40	16	9.80	2.40	1600	20000	0.088
2204	20	47	18	12.60	3.30	1400	17000	0.140
2205	25	52	18	12.60	3.50	1200	15000	0.163
2206	30	62	20	15.60	4.65	1000	12000	0.260
2207	35	72	23	21.60	6.60	8500	10000	0.403
2208	40	80	23	22.40	7.40	7600	9300	0.505
2209	45	85	23	23.30	8.15	7000	8500	0.545
2210	50	90	23	23.30	8.50	6500	7900	0.590
2211	55	100	25	26.80	10.00	5800	7100	0.810
2212	60	110	28	34.10	12.60	5300	6500	1.090
2213	65	120	31	43.5	16.4	4900	5900	1.46
2214	70	125	31	43.9	17.1	4600	5600	1.52
2215	75	130	31	44.2	17.8	4300	5300	1.62
2216	80	140	33	49.0	19.9	4100	5000	2.01
2217	85	150	36	58.3	23.6	3800	4600	2.52
2218	90	160	40	67.7	27.2	3500	4300	3.40
2219	95	170	43	82.7	34.3	3300	4000	4.10
2220	100	180	46	80.9	34.0	3100	3800	4.98
2221	105	190	50	94.9	40.1	3000	3600	6.07
2222	110	200	53	120	48.9	2800	3400	7.10

*For Tapered Bore bearings add Suffix 'K'
For Brass cage add Suffix 'M'.