

STANDARD 6000 SERIES

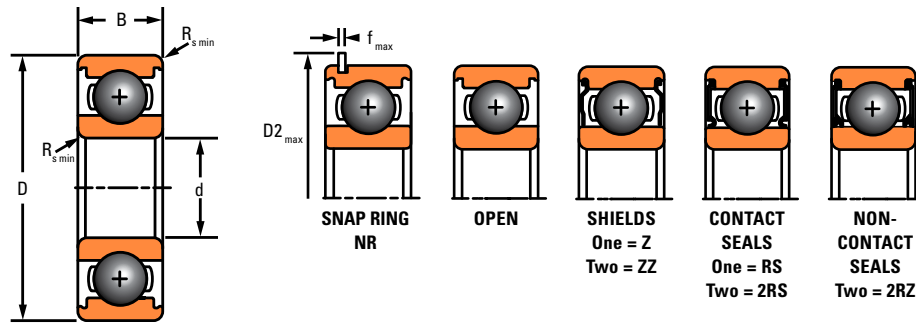


TABLE 10. STANDARD 6000 SERIES

Bearing No.	Features						Boundary Dimensions						Load Ratings		Reference Speed		Weight
							Bore d	O.D. D	Width B	Radius R <sub>s min</sub>	D <sub>2 max</sub>	f <sub>max</sub>	Dynamic C <sub>r</sub>	Static C <sub>0r</sub>	Grease RPM	Oil RPM	
Description	Z	ZZ	RS	2RS	2RZ	NR	mm	mm	mm	mm	mm	mm	kN	kN	RPM	RPM	kg
6000	•	•	•	•	•	•	10	26	8	0.3	29.2	0.70	4.60	2.00	26000	38000	0.020
6200	•	•	•	•		•	10	30	9	0.6	34.7	1.12	5.10	2.40	22000	32000	0.030
6300	•	•	•	•		•	10	35	11	0.6	39.7	1.12	8.10	3.50	20000	29000	0.050
6001	•	•	•	•		•	12	28	8	0.3	30.8	0.85	5.10	2.40	23000	33000	0.020
6201	•	•	•	•	•	•	12	32	10	0.6	36.7	1.12	6.80	3.00	21000	30000	0.040
6301	•	•	•	•		•	12	37	12	1.0	41.3	1.12	9.70	4.20	19000	27000	0.060
6002	•	•	•	•		•	15	32	9	0.3	36.7	1.12	5.60	2.80	20000	30000	0.030
6202	•	•	•	•	•	•	15	35	11	0.6	39.7	1.12	7.60	3.70	19000	28000	0.050
6302	•	•	•	•	•	•	15	42	13	1.0	46.3	1.12	11.40	5.40	16000	24000	0.080
6003	•	•	•	•		•	17	35	10	0.3	39.7	1.12	6.00	3.30	19000	28000	0.040
6203	•	•	•	•	•	•	17	40	12	0.6	44.6	1.12	9.60	4.80	17000	25000	0.070
6303	•	•	•	•	•	•	17	47	14	1.0	52.7	1.12	13.60	6.60	15000	22000	0.120
6004	•	•	•	•	•	•	20	42	12	0.6	46.3	1.12	9.40	5.00	17000	25000	0.070
6204	•	•	•	•	•	•	20	47	14	1.0	52.7	1.12	12.80	6.60	15000	22000	0.100
6304	•	•	•	•	•	•	20	52	15	1.1	57.9	1.12	15.90	7.80	13000	20000	0.140
6005	•	•	•	•	•	•	25	47	12	0.6	52.7	1.12	10.10	5.80	14000	21000	0.080
6205	•	•	•	•	•	•	25	52	15	1.0	57.9	1.12	14.00	7.90	14000	20000	0.130
6305	•	•	•	•		•	25	62	17	1.1	67.7	1.70	20.60	11.20	12000	17000	0.220
6405						•	25	80	21	1.5	86.6	1.70	36.10	18.80	10000	15000	0.530
6006	•	•	•	•	•	•	30	55	13	1.0	60.7	1.12	13.20	8.30	12000	18000	0.110
6206	•	•	•	•	•	•	30	62	16	1.0	67.7	1.70	19.50	11.30	11000	16000	0.200
6306	•	•	•	•	•	•	30	72	19	1.1	78.6	1.70	26.60	15.00	10000	15000	0.350
6406						•	30	90	23	1.5	96.5	2.46	47.30	24.50	9300	13000	0.740
6007	•	•	•	•	•	•	35	62	14	1.0	67.7	1.70	15.90	10.30	11000	16000	0.150
6207	•	•	•	•	•	•	35	72	17	1.1	78.6	1.70	25.70	15.30	10000	14000	0.290
6307	•	•	•	•	•	•	35	80	21	1.5	86.6	1.70	33.40	19.20	9300	13000	0.450
6307M							35	80	21	1.5	–	–	33.40	19.20	9300	13000	0.550
6407							35	100	25	1.5	–	–	55.50	29.40	8500	12000	0.950
6008	•	•	•	•	•	•	40	68	15	1.0	74.6	1.70	16.80	11.50	10000	15000	0.190
6208	•	•	•	•	•	•	40	80	18	1.1	86.6	1.70	29.50	18.10	8800	13000	0.370
6308	•	•	•	•	•	•	40	90	23	1.5	96.5	2.46	40.70	24.00	8500	12000	0.640
6408						•	40	110	27	2.0	116.6	2.46	63.70	34.60	7800	11000	1.250
6009	•	•	•	•	•	•	45	75	16	1.0	81.6	1.70	19.90	14.00	9200	13000	0.230
6209	•	•	•	•		•	45	85	19	1.1	91.6	1.70	31.20	20.30	8200	12000	0.420
6309	•	•	•	•	•	•	45	100	25	1.5	106.5	2.46	48.80	29.30	7800	11000	0.840
6309M				•			45	100	25	1.5	–	–	48.80	29.30	7800	11000	1.025
6409						•	45	120	29	2.0	129.7	2.82	77.20	45.20	7200	10000	1.550
6010	•	•	•	•	•	•	50	80	16	1.0	86.6	1.70	21.80	16.50	8300	12000	0.250
6210	•	•	•	•	•	•	50	90	20	1.1	96.5	2.46	35.00	23.20	7700	11000	0.460
6310	•	•	•	•		•	50	110	27	2.0	116.6	2.46	57.50	35.30	7200	10000	1.050
6310M							50	110	27	2.0	–	–	57.50	35.30	7200	10000	1.260
6410							50	130	31	2.1	–	–	83.10	49.40	6800	9700	1.900
6011	•	•	•	•		•	55	90	18	1.1	96.5	2.46	28.30	22.40	7800	11000	0.360

Speed ratings are for open bearings. Use 50 to 60 percent of the published speed ratings for bearings with contact seals.

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