

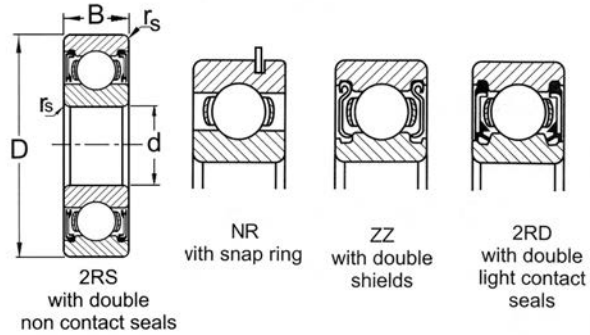


# BALL BEARINGS



## DEEP GROOVE BALL BEARINGS

Metric Size Bearing  
6800, 6000,  
6200, 6300 Series



Boundary dimensions (mm)				Basic load ratings (N)		Limiting speeds RPM		Mass (kg) open type	Bearing No.		
d	D	B	rs min	dynamic (Cr)	static (Cor)	Grease (ZZ, 2RS)	oil open		Shields	Seals	
10	19	5	0.3	1 830	925	32 000	38 000	0.005	6800-ZZ	6800-2RS	
	22	6	0.3	2 700	1 270	30 000	36 000	0.009	6900-ZZ	6900-2RS	
	26	8	0.3	4 550	1 960	29 000	34 000	0.019	6000-ZZ	6000-2RS	
	30	9	0.6	5 100	2 390	25 000	30 000	0.032	6200-ZZ	6200-2RS	
	35	11	0.6	5 200	3 500	23 000	27 000	0.058	6300-ZZ	6300-2RS	
12	21	5	0.3	1 920	1 040	29 000	35 000	0.006	6801-ZZ	6801-2RS	
	24	6	0.3	2 890	1 460	27 000	32 000	0.011	6901-ZZ	6901-2RS	
	28	8	0.3	5 100	2 390	26 000	30 000	0.021	6001-ZZ	6001-2RS	
	32	10	0.6	6 100	2 750	22 000	26 000	0.037	6201-ZZ	6201-2RS	
	37	12	1.0	9 700	4 200	20 000	24 000	0.060	6301-ZZ	6301-2RS	
15	24	5	0.3	2 080	1 260	26 000	31 000	0.007	6802-ZZ	6802-2RS	
	28	7	0.3	4 100	2 060	24 000	28 000	0.016	6902-ZZ	6902-2RS	
	32	9	0.3	5 600	2 840	22 000	26 000	0.030	6002-ZZ	6002-2RS	
	35	11	0.6	7 750	2 600	19 000	23 000	0.045	6202-ZZ	6202-2RS	
	42	13	1.0	11 400	5 450	17 000	21 000	0.082	6302-ZZ	6302-2RS	
17	26	5	0.3	2 810	1 720	24 000	28 000	0.008	6803-ZZ	6803-2RS	
	30	7	0.3	4 650	2 580	22 000	26 000	0.018	6903-ZZ	6903-2RS	
	35	10	0.3	6 800	3 350	20 000	24 000	0.039	6003-ZZ	6003-2RS	
	40	12	0.3	9 600	4 600	18 000	21 000	0.068	6203-ZZ	6203-2RS	
	47	14	1.0	13 500	6 550	16 000	19 000	0.115	6303-ZZ	6303-2RS	
20	32	7	0.3	4 000	2 470	21 000	25 000	0.019	6804-ZZ	6804-2RS	
	37	9	0.3	6 400	3 700	19 000	23 000	0.038	6904-ZZ	6904-2RS	
	42	12	0.6	9 400	5 050	18 000	21 000	0.069	6004-ZZ	6004-2RS	
	47	14	1.0	12 800	6 650	16 000	18 000	0.106	6204-ZZ	6204-2RS	
	52	15	1.1	15 900	7 900	14 000	17 000	0.144	6304-ZZ	6304-2RS	
22	44	12	0.6	9 400	5 150	17 000	20 000	0.074		60/22-ZZ	60/22-2RS
	50	14	1.0	12 900	6 800	14 000	17 000	0.117	62/22-ZZ	62/22-2RS	
	56	16	1.1	18 400	9 250	13 000	15 000	0.176	63/22-ZZ		
25	37	7	0.3	4 300	2 950	18 000	21 000	0.022	6805-ZZ	6805-2RS	
	42	9	0.3	7 050	4 550	16 000	19 000	0.042	6905-ZZ	6905-2RS	
	47	12	0.6	10 400	5 850	15 000	18 000	0.080	6005-ZZ	6005-2RS	
	52	15	1.0	14 000	7 850	13 000	15 000	0.128	6205-ZZ	6205-2RS	
	62	17	1.1	21 200	10 900	12 000	14 000	0.232	6305-ZZ	6305-2RS	
28	52	12	0.6	12 500	7 400	14 000	16 000	0.098	60/28-ZZ	60/28-2RS	
	58	16	1.0	17 900	9 700	12 000	14 000	0.171	62/28-ZZ	62/28-2RS	
	68	18	1.1	26 700	14 000	11 000	13 000	0.280	63/28-ZZ	63/28-2RS	
30	42	7	0.3	4 700	3 650	15 000	18 000	0.026	6806-ZZ	6806-2RS	
	47	9	0.3	7 250	5 000	14 000	17 000	0.046	6906-ZZ	6906-2RS	
	55	13	1.0	13 200	8 300	13 000	15 000	0.116	6006-ZZ	6006-2RS	
	62	16	1.0	19 500	11 300	11 000	13 000	0.200	6206-ZZ	6206-2RS	
	72	19	1.1	26 700	15 000	10 000	12 000	0.360	6306-ZZ	6306-2RS	
32	58	12	1.0	15 100	9 150	12 000	15 000	0.129	60/32-ZZ	60/32-2RS	
	65	17	1.0	20 700	11 600	11 000	12 000	0.226	62/32-ZZ	62/32-2RS	
	75	20	1.1	29 800	16 900	9 500	11 000	0.380	63/32-ZZ	63/32-2RS	

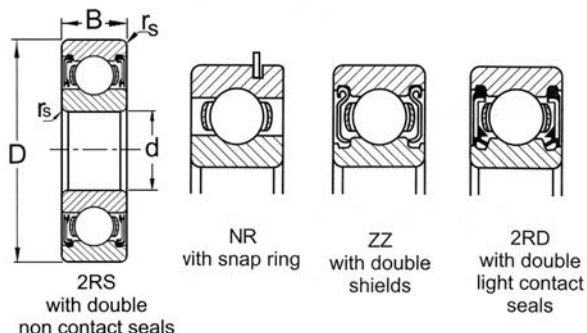


# BALL BEARINGS



## DEEP GROOVE BALL BEARINGS

Metric Size Bearing  
6800, 6000,  
6200, 6300 Series



Boundary dimensions (mm)				Basic load ratings (N)		Limiting speeds RPM		Mass (kg) open type	Bearing No.	
d	D	B	rs min	dynamic (Cr)	static (Cor)	Grease (ZZ, 2RS)	oil open		Shields	Seals
35	47	7	0.3	4 900	4 050	13 000	16 000	0.029	6807-ZZ	6807-2RS
	55	10	0.6	11 200	7 450	12 000	15 000	0.074	6907-ZZ	6907-2RS
	62	14	1.0	16 000	10 300	12 000	14 000	0.155	6007-ZZ	6007-2RS
	72	17	1.1	25 700	15 300	9 800	11 000	0.290	6207-ZZ	6207-2RS
	80	21	1.5	33 500	19 100	8 800	10 000	0.460	6307-ZZ	6307-2RS
40	52	7	0.3	5 100	4 400	12 000	14 000	0.033	6808-ZZ	6808-2RS
	62	12	0.6	14 600	10 200	11 000	13 000	0.110	6908-ZZ	6908-2RS
	68	15	1.0	16 800	11 500	10 000	12 000	0.190	6008-ZZ	6008-2RS
	80	18	1.1	29 100	17 800	8 700	10 000	0.370	6208-ZZ	6208-2RS
	90	23	1.5	40 500	24 000	7 800	9 200	0.630	6308-ZZ	6308-2RS
45	58	7	0.3	6 400	5 650	11 000	12 000	0.040	6809-ZZ	6809-2RS
	68	12	0.6	15 100	11 200	9 800	12 000	0.128	6909-ZZ	6909-2RS
	75	16	1.0	21 000	15 100	9 200	11 000	0.240	6009-ZZ	6009-2RS
	85	19	1.1	32 500	20 400	7 800	9 200	0.400	6209-ZZ	6209-2RS
	100	25	1.5	53 000	32 000	7 000	8 200	0.810	6309-ZZ	6309-2RS
50	65	7	0.3	6 600	6 100	9 600	11 000	0.050	6810-ZZ	6810-2RS
	72	12	0.6	15 600	12 200	8 900	11 000	0.130	6910-ZZ	6910-2RS
	80	16	1.0	21 800	16 600	8 400	9 800	0.260	6010-ZZ	6010-2RS
	90	20	1.1	35 000	23 200	7 100	8 300	0.450	6210-ZZ	6210-2RS
	110	27	2.0	62 000	38 500	6 400	7 500	1.070	6310-ZZ	6310-2RS
55	90	18	1.1	28 300	21 200	7 700	9 000	0.390	6011-ZZ	6011-2RS
	100	21	1.5	43 500	29 200	6 400	7 600	0.600	6211-ZZ	6211-2RS
	120	29	2.0	71 500	4 500	5 800	6 800	1.370	6311-ZZ	6311-2RS
60	95	18	0.0	29 500	23 200	7 000	8 300	0.000	6012-ZZ	6012-2RS
	110	22	1.5	52 500	36 000	6 000	7 000	0.000	6212-ZZ	6212-2RS
	130	31	0.0	82 000	52 000	5 400	6 300	0.000	6312-ZZ	6312-2RS
65	100	18	0.0	30 500	25 200	6 500	7 700	0.000	6013-ZZ	6013-2RS
	120	23	1.5	57 500	40 000	5 500	6 500	0.000	6213-ZZ	6213-2RS
	140	33	0.0	92 500	60 000	4 900	5 800	0.000	6313-ZZ	6313-2RS
70	110	20	0.0	38 000	31 000	6 100	7 100	0.000	6014-ZZ	6014-2RS
	125	24	1.5	62 000	44 000	5 100	6 000	0.000	6214-ZZ	6214-2RS
	150	35	0.0	10 400	68 000	4 600	5 400	0.000	6314-ZZ	6314-2RS
75	115	20	0.0	39 500	33 500	5 700	6 700	0.000	6015-ZZ	6015-2RS
	130	25	1.5	66 000	48 500	4 800	5 600	0.000	6215-ZZ	6215-2RS
	160	37	0.0	113 000	77 000	4 300	5 000	3.000	6315-ZZ	6315-2RS
80	125	22	0.0	47 500	40 000	5 300	6 200	0.000	6016-ZZ	6016-2RS
	140	26	2.0	72 500	53 000	4 500	5 300	0.000	6216-ZZ	6216-2RS
	170	39	0.0	123 000	86 500	4 000	4 700	0.000	6316-ZZ	6316-2RS

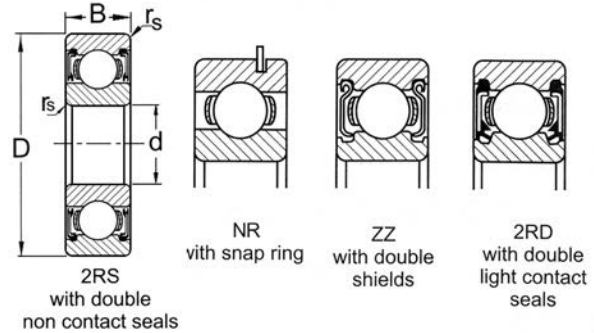


# BALL BEARINGS



## DEEP GROOVE BALL BEARINGS

Metric Size Bearing  
6800, 6000,  
6200, 6300 Series



Boundary dimensions (mm)				Basic load ratings (N)		Limiting speeds RPM		Mass (kg) open type	Bearing No.	
d	D	B	rs min	dynamic (Cr)	static (Cor)	Grease (ZZ, 2RS)	oil open		Shields	Seals
85	130	22	0.0	49 500	43 000	5 000	5 900	0.000	<b>6017-ZZ</b>	<b>6017-2RS</b>
	150	28	2.0	83 500	64 000	4 200	5 000	0.000	<b>6217-ZZ</b>	<b>6217-2RS</b>
	180	41	3.0	133 000	97 000	3 800	4 500	0.000	<b>6317-ZZ</b>	<b>6317-2RS</b>
90	140	24	1.5	58 000	49 500	4 700	5 600	0.000	<b>6018-ZZ</b>	<b>6018-2RS</b>
	160	30	2.0	96 000	71 500	4 000	4 700	0.000	<b>6218-ZZ</b>	<b>6218-2RS</b>
95	145	24	1.5	60 500	54 000	4 500	5 300	0.000	<b>6019-ZZ</b>	<b>6019-2RS</b>
	170	32	0.0	109 000	82 000	3 700	4 400	0.000	<b>6219-ZZ</b>	<b>6219-2RS</b>
100	150	24	1.5	60 000	54 000	4 200	5 000	0.000	<b>6020-ZZ</b>	<b>6020-2RS</b>
	180	34	0.0	122 000	93 000	3 500	4 200	0.000	<b>6220-ZZ</b>	<b>6220-2RS</b>
105	160	26	2.0	72 500	65 500	4 000	4 700	0.000	<b>6021-ZZ</b>	<b>6021-2RS</b>
110	170	28	2.0	82 000	73 000	3 800	4 500	1.960	<b>6022-ZZ</b>	<b>6022-2RS</b>