

Deep Groove Ball Bearings

└ Single-Row, With a Snap Ring Groove

d	Boundary Dimensions (mm)			Basic Load Ratings (N)		Limiting Speeds (min ⁻¹)		Bearing Numbers	NSKHPS
	D	B	r min.	C _r	C _{0r}	Grease	Oil		
10	22	6	0.3	2700	1270	32000	38000	6900N	
10	26	8	0.3	4550	1970	30000	36000	6000N	
10	30	9	0.6	5100	2390	24000	30000	6200N	
10	35	11	0.6	8100	3450	22000	26000	6300N	
12	24	6	0.3	2890	1460	30000	36000	6901N	
12	28	8	0.3	5100	2370	28000	32000	6001N	
12	32	10	0.6	6800	3050	22000	28000	6201N	
12	37	12	1	9700	4200	20000	24000	6301N	
15	28	7	0.3	4350	2260	26000	30000	6902N	
15	32	9	0.3	5600	2830	24000	28000	6002N	
15	35	11	0.6	7650	3750	20000	24000	6202N	
15	42	13	1	11400	5450	17000	20000	6302N	
17	30	7	0.3	4600	2550	24000	28000	6903N	
17	35	10	0.3	6000	3250	22000	26000	6003N	
17	40	12	0.6	9550	4800	17000	20000	6203N	
17	47	14	1	13600	6650	15000	18000	6303N	
20	32	7	0.3	4000	2470	22000	26000	6804N	
20	37	9	0.3	6400	3700	19000	22000	6904N	
20	42	12	0.6	9400	5000	18000	20000	6004N	
20	47	14	1	12800	6600	15000	18000	6204N	
20	52	15	1.1	15900	7900	14000	17000	6304N	
22	44	12	0.6	9400	5050	17000	20000	60/22N	
22	50	14	1	12900	6800	14000	16000	62/22N	
22	56	16	1.1	18400	9250	13000	16000	63/22N	
25	37	7	0.3	4500	3150	18000	22000	6805N	
25	42	9	0.3	7050	4550	16000	19000	6905N	
25	47	12	0.6	10100	5850	15000	18000	6005N	
25	52	15	1	14000	7850	13000	15000	6205N	
25	62	17	1.1	20600	11200	11000	13000	6305N	
28	52	12	0.6	12500	7400	14000	16000	60/28N	
28	58	16	1	16600	9500	12000	14000	62/28N	
28	68	18	1.1	26700	14000	10000	13000	63/28N	
30	42	7	0.3	4700	3650	15000	18000	6806N	
30	47	9	0.3	7250	5000	14000	17000	6906N	
30	55	13	1	13200	8300	13000	15000	6006N	
30	62	16	1	19500	11300	11000	13000	6206N	
30	72	19	1.1	26700	15000	9500	12000	6306N	
32	58	13	1	15100	9150	12000	14000	60/32N	
32	65	17	1	20700	11600	10000	12000	62/32N	
32	75	20	1.1	29900	17000	9000	11000	63/32N	
35	47	7	0.3	4900	4100	14000	16000	6807N	
35	55	10	0.6	10600	7250	12000	15000	6907N	
35	62	14	1	16000	10300	11000	13000	6007N	
35	72	17	1.1	25700	15300	9500	11000	6207N	
35	80	21	1.5	33500	19200	8500	10000	6307N	
40	52	7	0.3	6350	5550	12000	14000	6808N	

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40	62	12	0.6	13700	10000	11000	13000	6908N	
40	68	15	1	16800	11500	10000	12000	6008N	
40	80	18	1.1	29100	17900	8500	10000	6208N	
40	90	23	1.5	40500	24000	7500	9000	6308N	
45	58	7	0.3	6600	6150	11000	13000	6809N	
45	68	12	0.6	14100	10900	9500	12000	6909N	
45	75	16	1	20900	15200	9000	11000	6009N	
45	85	19	1.1	31500	20400	7500	9000	6209N	
45	100	25	1.5	53000	32000	6700	8000	6309N	
50	65	7	0.3	6400	6200	9500	11000	6810N	
50	72	12	0.6	14500	11700	9000	11000	6910N	
50	80	16	1	21800	16600	8500	10000	6010N	
50	90	20	1.1	35000	23200	7100	8500	6210N	
50	110	27	2	62000	38500	6000	7500	6310N	
55	72	9	0.3	8800	8500	8500	10000	6811N	
55	80	13	1	16000	13300	8000	9500	6911N	
55	90	18	1.1	28300	21200	7500	9000	6011N	
55	100	21	1.5	43500	29300	6300	7500	6211N	
55	120	29	2	71500	44500	5600	6700	6311N	
60	78	10	0.3	11500	10900	8000	9500	6812N	
60	85	13	1	19400	16300	7500	9000	6912N	
60	95	18	1.1	29500	23200	7100	8500	6012N	
60	110	22	1.5	52500	36000	5600	7100	6212N	
60	130	31	2.1	82000	52000	5300	6300	6312N	
65	85	10	0.6	11900	12100	7500	8500	6813N	
65	90	13	1	17400	16100	7100	8500	6913N	
65	100	18	1.1	30500	25200	6700	8000	6013N	
65	120	23	1.5	57500	40000	5300	6300	6213N	
65	140	33	2.1	92500	60000	4800	6000	6313N	
70	90	10	0.6	12100	12700	6700	8000	6814N	
70	100	16	1	23700	21200	6300	7500	6914N	
70	110	20	1.1	38000	31000	6000	7100	6014N	
70	125	24	1.5	62000	44000	5000	6300	6214N	
70	150	35	2.1	104000	68000	4500	5300	6314N	
75	95	10	0.6	12500	13900	6300	7500	6815N	
75	105	16	1	24400	22600	6000	7100	6915N	
75	115	20	1.1	39500	33500	5600	6700	6015N	
75	130	25	1.5	66000	49500	4800	5600	6215N	
75	160	37	2.1	113000	77000	4300	5000	6315N	
80	100	10	0.6	12700	14500	6000	7100	6816N	
80	110	16	1	25000	24000	5600	6700	6916N	
80	125	22	1.1	47500	40000	5300	6300	6016N	
80	140	26	2	72500	53000	4500	5300	6216N	
80	170	39	2.1	123000	86500	4000	4800	6316N	
85	110	13	1	18700	20000	5600	6700	6817N	
85	120	18	1.1	32000	29600	5300	6300	6917N	

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	D	B	r min.	C _r	C _{0r}	Grease	Oil		
85	130	22	1.1	49500	43000	5000	6000	6017N	
85	150	28	2	84000	62000	4300	5000	6217N	
85	180	41	3	133000	97000	3800	4500	6317N	
90	115	13	1	19000	21000	5300	6300	6818N	
90	125	18	1.1	33000	31500	5000	6000	6918N	
90	140	24	1.5	58000	50000	4800	5600	6018N	
90	160	30	2	96000	71500	4000	4800	6218N	
90	190	43	3	143000	107000	3600	4300	6318N	
95	120	13	1	19300	22000	5000	6000	6819N	
95	130	18	1.1	33500	33500	4800	5600	6919N	
95	145	24	1.5	60500	54000	4500	5300	6019N	
95	170	32	2.1	109000	82000	3800	4500	6219N	
95	200	45	3	153000	119000	3000	3600	6319N	
100	125	13	1	19600	23000	4800	5600	6820N	
100	140	20	1.1	43000	42000	4500	5300	6920N	
100	150	24	1.5	60000	54000	4300	5300	6020N	
100	180	34	2.1	122000	93000	3600	4300	6220N	
105	130	13	1	19800	23900	4800	5600	6821N	
105	145	20	1.1	42500	42000	4300	5300	6921N	
105	160	26	2	72500	66000	4000	4800	6021N	
105	190	36	2.1	133000	105000	3400	4000	6221N	
110	140	16	1	28100	32500	4300	5300	6822N	
110	150	20	1.1	43500	44500	4300	5000	6922N	
110	170	28	2	85000	73000	3800	4500	6022N	
110	200	38	2.1	144000	117000	2800	3400	6222N	
120	150	16	1	28900	35500	4000	4800	6824N	
120	165	22	1.1	53000	54000	3800	4500	6924N	
120	180	28	2	88000	80000	3600	4300	6024N	
130	165	18	1.1	37000	44000	3600	4300	6826N	
130	180	24	1.5	65000	67500	3400	4000	6926N	
130	200	33	2	106000	101000	3000	3600	6026N	
140	175	18	1.1	38500	48000	3400	4000	6828N	
140	190	24	1.5	66500	72000	3200	3800	6928N	
150	190	20	1.1	47500	58500	3200	3800	6830N	
160	200	20	1.1	48500	61000	2600	3200	6832N	