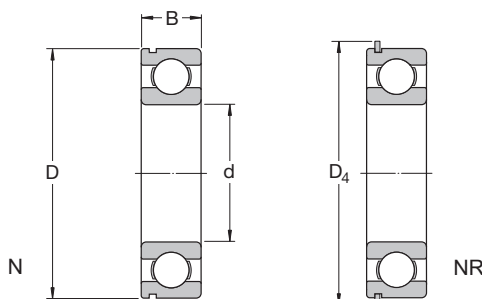




Single row deep groove ball bearings with snap ring groove

d 10 - 55 mm
d 0.394 - 2.165 in



Principal dimensions								Basic load ratings		Fatigue load limit P _u	Speed ratings		Mass	Designations		
d	D	B	D ₄	d	D	B	D ₄	C	C ₀		Reference speed	Limiting speed		Bearing with snap ring groove	snap ring groove and snap ring	Snap ring
mm				in				kN		kN	r/min		kg	—		
10	30	9	34.7	0.394	1.181	0.354	1.366	5.4	2.36	0.1	56 000	34 000	0.032	*6200 N	*6200 NR	SP 30
12	32	10	36.7	0.472	1.260	0.394	1.445	7.28	3.1	0.132	50 000	32 000	0.037	*6201 N	*6201 NR	SP 32
15	35	11	39.7	0.591	1.378	0.433	1.563	8.06	3.75	0.16	43 000	28 000	0.045	*6202 N	*6202 NR	SP 35
17	40	12	44.6	0.669	1.575	0.472	1.756	9.95	4.75	0.2	38 000	24 000	0.065	*6203 N	*6203 NR	SP 40
	47	14	52.7		1.850	0.551	2.075	14.3	6.55	0.275	34 000	22 000	0.12	*6303 N	*6303 NR	SP 47
20	42	12	46.3	0.787	1.654	0.472	1.823	9.5	5	0.212	38 000	24 000	0.069	*6004 N	*6004 NR	SP 42
	47	14	52.7		1.850	0.551	2.075	13.5	6.55	0.28	32 000	20 000	0.11	*6204 N	*6204 NR	SP 47
	52	15	57.9		2.047	0.591	2.280	16.8	7.8	0.335	30 000	19 000	0.14	*6304 N	*6304 NR	SP 52
25	47	12	52.7	0.984	1.850	0.472	2.075	11.9	6.55	0.275	32 000	20 000	0.08	*6005 N	*6005 NR	SP 47
	52	15	57.9		2.047	0.591	2.280	14.8	7.8	0.335	28 000	18 000	0.13	*6205 N	*6205 NR	SP 52
	62	17	67.7		2.441	0.669	2.665	23.4	11.6	0.49	24 000	16 000	0.23	*6305 N	*6305 NR	SP 62
30	55	13	60.7	1.181	2.165	0.512	2.390	13.8	8.3	0.355	28 000	17 000	0.12	*6006 N	*6006 NR	SP 55
	62	16	67.7		2.441	0.630	2.665	20.3	11.2	0.475	24 000	15 000	0.2	*6206 N	*6206 NR	SP 62
	72	19	78.6		2.835	0.748	3.094	29.6	16	0.67	20 000	13 000	0.35	*6306 N	*6306 NR	SP 72
35	62	14	67.7	1.378	2.441	0.551	2.665	16.8	10.2	0.44	24 000	15 000	0.16	*6007 N	*6007 NR	SP 62
	72	17	78.6		2.835	0.669	3.094	27	15.3	0.655	20 000	13 000	0.29	*6207 N	*6207 NR	SP 72
	80	21	86.6		3.150	0.827	3.409	35.1	19	0.815	19 000	12 000	0.46	*6307 N	*6307 NR	SP 80
40	68	15	74.6	1.575	2.677	0.591	2.937	17.8	11.6	0.49	22 000	14 000	0.19	*6008 N	*6008 NR	SP 68
	80	18	86.6		3.150	0.709	3.409	32.5	19	0.8	18 000	11 000	0.37	*6208 N	*6208 NR	SP 80
	90	23	96.5		3.543	0.906	3.799	42.3	24	1.02	17 000	11 000	0.63	*6308 N	*6308 NR	SP 90
45	75	16	81.6	1.772	2.953	0.630	3.213	22.1	14.6	0.64	20 000	12 000	0.25	*6009 N	*6009 NR	SP 75
	85	19	91.6		3.346	0.748	3.606	35.1	21.6	0.915	17 000	11 000	0.41	*6209 N	*6209 NR	SP 85
	100	25	106.5		3.937	0.984	4.193	55.3	31.5	1.34	15 000	9 500	0.83	*6309 N	*6309 NR	SP 100
50	80	16	86.6	1.969	3.150	0.630	3.409	22.9	16	0.71	18 000	11 000	0.26	*6010 N	*6010 NR	SP 80
	90	20	96.5		3.543	0.787	3.799	37.1	23.2	0.98	15 000	10 000	0.46	*6210 N	*6210 NR	SP 90
	110	27	116.6		4.331	1.063	4.591	65	38	1.6	13 000	8 500	1.05	*6310 N	*6310 NR	SP 110
55	90	18	96.5	2.165	3.543	0.709	3.799	29.6	21.2	0.9	16 000	10 000	0.39	*6011 N	*6011 NR	SP 90
	100	21	106.5		3.937	0.827	4.193	46.2	29	1.25	14 000	9 000	0.61	*6211 N	*6211 NR	SP 100
	120	29	129.7		4.724	1.142	5.106	74.1	45	1.9	12 000	8 000	1.35	*6311 N	*6311 NR	SP 120
	140	33	149.7		5.512	1.299	5.894	99.5	62	2.6	11 000	7 000	2.3	*6411 N	*6411 NR	SP 140

* SKF Explorer bearing

¹⁾ For snap ring dimensions see page 29