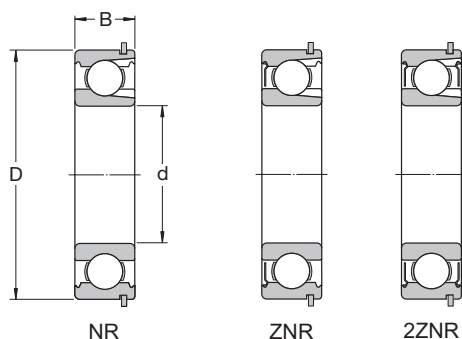




Single row deep groove ball bearings with filling slots and snap ring

d 25 - 95 mm

d 0.984 - 3.740 in



Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations			Snap ²⁾ ring
d	D	B	d	D	B	dynamic C	static C ₀	P _u	Reference speed	Limiting ¹⁾ speed	kg	Bearing open	with shields on one side	two sides	
mm			in			kN		kN	r/min			—			
25	62	17	0.984	2.441	0.669	23	16	1	20 000	13 000	0.24	305 NR	305-ZNR	305-2ZNR	SP 62
30	62	16	1.181	2.441	0.630	22.9	17.3	0.735	20 000	12 000	0.21	206 NR	206-ZNR	206-2ZNR	SP 62
	72	19		2.835	0.748	29.2	20.8	0.88	18 000	11 000	0.37	306 NR	306-ZNR	306-2ZNR	SP 72
35	72	17	1.378	2.835	0.669	29.7	22.8	0.965	17 000	11 000	0.31	207 NR	207-ZNR	207-2ZNR	SP 72
	80	21		3.150	0.827	39.1	28.5	1.2	16 000	10 000	0.48	307 NR	307-ZNR	307-2ZNR	SP 80
40	80	18	1.575	3.150	0.709	33.6	26.5	1.12	15 000	9 500	0.39	208 NR	208-ZNR	208-2ZNR	SP 80
	90	23		3.543	0.906	46.8	36	1.53	14 000	9 000	0.64	308 NR	308-ZNR	308-2ZNR	SP 90
45	85	19	1.772	3.346	0.748	39.6	32.5	1.37	14 000	9 000	0.44	209 NR	209-ZNR	209-2ZNR	SP 85
	100	25		3.937	0.984	59.4	46.5	1.96	13 000	8 000	0.88	309 NR	309-ZNR	309-2ZNR	SP 100
50	90	20	1.969	3.543	0.787	39.1	34.5	1.46	13 000	8 000	0.5	210 NR	210-ZNR	210-2ZNR	SP 90
	110	27		4.331	1.063	64.4	52	2.2	11 000	7 000	1.15	310 NR	310-ZNR	310-2ZNR	SP 110
55	100	21	2.165	3.937	0.827	48.4	44	1.86	12 000	7 500	0.66	211 NR	211-ZNR	211-2ZNR	SP 100
	120	29		4.724	1.142	79.2	67	2.85	10 000	6 700	1.5	311 NR	311-ZNR	311-2ZNR	SP 120
60	110	22	2.362	4.331	0.866	56.1	50	2.12	11 000	6 700	0.85	212 NR	212-ZNR	212-2ZNR	SP 110
	130	31		5.118	1.220	91.3	78	3.35	9 500	6 000	1.85	312 NR	312-ZNR	312-2ZNR	SP 130
65	120	23	2.559	4.724	0.906	60.5	58.5	2.5	10 000	6 000	1.05	213 NR	213-ZNR	213-2ZNR	SP 120
	140	33		5.512	1.299	102	90	3.75	9 000	5 600	2.3	313 NR	313-ZNR	313-2ZNR	SP 140
70	125	24	2.756	4.921	0.945	66	65.5	2.75	9 500	6 000	1.15	214 NR	214-ZNR	214-2ZNR	SP 125
	150	35		5.906	1.378	114	102	4.15	8 000	5 000	2.75	314 NR	314-ZNR	314-2ZNR	SP 150
75	130	25	2.953	5.118	0.984	72.1	72	3	9 000	5 600	1.25	215 NR	215-ZNR	215-2ZNR	SP 130
80	140	26	3.150	5.512	1.024	88	85	3.45	8 500	5 300	1.55	216 NR	216-ZNR	216-2ZNR	SP 140
85	150	28	3.346	5.906	1.102	96.8	100	3.9	7 500	4 800	1.95	217 NR	—	—	SP 150
90	160	30	3.543	6.299	1.181	112	114	4	7 000	4 500	2.35	218 NR	—	—	SP 160
95	170	32	3.740	6.693	1.260	121	122	5	6 700	4 300	2.7	219 NR	—	—	SP 170

¹⁾ For 2Z design, limiting speeds are about 80% of the quoted value

²⁾ For snap ring dimensions see page 31