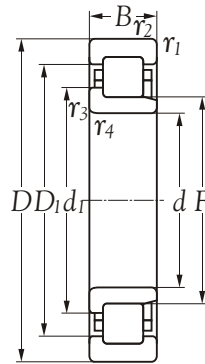


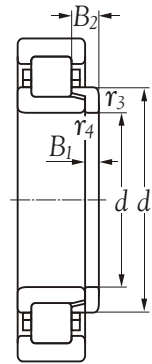
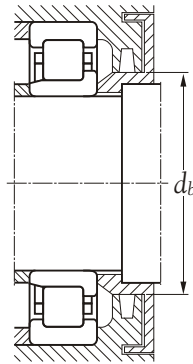


Technical Information



Inner bore <i>d</i> mm	Bearing number	Principal dimensions		Basic load ratings		Max runout speed		Mass kg
		<i>D</i> mm	<i>B</i> mm	dynamic <i>C</i> N	static <i>C</i> ₀	grease r/min	oil r/min	
17	NJ 2203 EC	40	16	19000	17200	11200	13300	0.095
20	NJ 2204 EC	47	18	23700	22000	9100	11200	0.140
25	NJ 2205 EC	52	18	27200	27200	7700	9800	0.170
30	NJ 2206 EC	62	20	38700	39200	6600	8400	0.270
35	NJ 2207 EC	72	23	47500	50400	5900	7000	0.410
40	NJ 2208 EC	80	23	56300	60000	5200	6300	0.500
45	NJ 2209 EC	85	23	58900	65200	4600	5600	0.540
50	NJ 2210 EC	90	23	62400	70400	4400	5200	0.580
55	NJ 2211 EC	100	25	79200	94400	4200	4900	0.810
60	NJ 2212 EC	110	28	102400	122400	3700	4400	1.100
65	NJ 2213 EC	120	31	117600	144000	3300	3900	1.450
70	NJ 2214 EC	125	31	123200	154400	3100	3700	1.550
75	NJ 2215 EC	130	31	128800	166400	3100	3700	1.600
80	NJ 2216 EC	140	33	149600	196000	2800	3300	2.050
85	NJ 2217 EC	150	36	172800	224000	2600	3100	2.550
90	NJ 2218 EC	160	40	193600	252000	2500	3000	3.200
95	NJ 2219 EC	170	43	228800	300000	2300	2800	3.950
100	NJ 2220 EC	180	46	268800	360000	2200	2600	4.800
110	NJ 2222 EC	200	53	304000	416000	1900	2300	6.850
120	NJ 2224 EC	215	58	365600	504000	1600	2100	8.500
130	NJ 2226 EC	230	64	422400	588000	1500	1900	10.500
140	NJ 2228 EC	250	68	457600	664000	1400	1800	13.500
150	NJ 2230 EC	270	73	501600	744000	1300	1600	19.500
160	NJ 2232 EC	290	80	647200	960000	1200	1500	24.500
180	NJ 2236 EC	320	86	808000	1200000	1100	1400	31.500





Inner bore d mm	Bearing number	Dimensions(mm)							Abutment and fillet dimensions(mm)					Angle ring Designation	Dimensions		Mass kg
		d_1	D_1	F	$r_{1,2}$ min	$r_{3,4}$ min	s^0	d_a min	d_a max	d_b max	D_a max	r_a max	r_b max		B_1 mm	B_2 mm	
17	NJ 2203 EC	25.0	32.4	22.1	0.6	0.3	1.5	19.0	21	27	36.0	0.6	0.3	HJ 2203 EC	3	6.0	0.08
20	NJ 2204 EC	29.7	38.8	26.5	1.0	0.6	2.0	24.0	25	31	42.0	1.0	0.6	HJ 2204 EC	3	7.5	0.012
25	NJ 2205 EC	34.7	43.8	31.5	1.0	0.6	1.8	29.0	30	36	47.0	1.0	0.6	HJ 2205 EC	3	6.5	0.014
30	NJ 2206 EC	41.2	52.5	37.5	1.0	0.6	1.8	34.0	36	43	57.0	1.0	0.6	HJ 2206 EC	4	7.5	0.028
35	NJ 2207 EC	48.1	60.7	44.0	1.1	0.6	2.8	39.0	42	50	65.5	1.0	0.6	HJ 2207 EC	4	8.5	0.036
40	NJ 2208 EC	54.0	67.9	49.5	1.1	1.1	1.9	46.5	48	56	73.5	1.0	1.0	HJ 2208 EC	5	9.0	0.048
45	NJ 2209 EC	59.0	73.0	54.5	1.1	1.1	1.7	51.5	53	61	78.5	1.0	1.0	HJ 2209 EC	5	9.0	0.053
50	NJ 2210 EC	64.0	78.0	59.5	1.1	1.1	1.5	56.5	57	66	83.5	1.0	1.0	HJ 210 EC	5	9.0	0.058
55	NJ 2211 EC	70.8	86.3	66.0	1.5	1.1	1.5	61.5	64	73	92.0	1.5	1.0	HJ 2211 EC	6	10.0	0.085
60	NJ 2212 EC	77.5	95.7	72.0	1.5	1.5	1.4	68.0	70	80	102.0	1.5	1.5	HJ 212 EC	6	10.0	0.100
65	NJ 2213 EC	84.4	104.0	78.5	1.5	1.5	1.9	73.0	76	87	112.0	1.5	1.5	HJ 2213 EC	6	10.5	0.120
70	NJ 2214 EC	89.4	109.0	83.5	1.5	1.5	1.7	78.0	81	92	117.0	1.5	1.5	HJ 2214 EC	7	11.5	0.150
75	NJ 2215 EC	94.3	114.0	88.5	1.5	1.5	1.7	83.0	86	97	122.0	1.5	1.5	HJ 2215 EC	7	11.5	0.160
80	NJ 2216 EC	101.0	123.0	95.3	2.0	2.0	1.4	89.0	93	104	131.0	2.0	2.0	HJ 216 EC	8	12.5	0.210
85	NJ 2217 EC	107.0	131.0	100.5	2.0	2.0	2.0	94.0	98	110	141.0	2.0	2.0	HJ 217 EC	8	12.5	0.240
90	NJ 2218 EC	114.0	140.0	107.0	2.0	2.0	2.6	99.0	104	117	151.0	2.0	2.0	HJ 2218 EC	9	15.0	0.310
95	NJ 2219 EC	120.0	149.0	112.5	2.1	2.1	3.0	106.0	110	123	159.0	2.0	2.0	HJ 2219 EC	9	15.5	0.350
105	NJ 221 EC	134.0	164.0	125.0	2.1	2.1	2.0	116.0	122	137	179.0	2.0	2.0	HJ 221 EC	10	16.0	0.510
100	NJ 2220 EC	127.0	157.0	119.0	2.1	2.1	2.5	111.0	116	130	169.0	2.0	2.0	HJ 2220 EC	10	16.0	0.430
110	NJ 2222 EC	141.0	174.0	132.5	2.1	2.1	3.7	121.0	129	145	189.0	2.0	2.0	HJ 2222 EC	11	19.5	0.630
120	NJ 2224 EC	153.0	188.0	143.5	2.1	2.1	3.8	131.0	140	156	204.0	2.0	2.0	HJ 222 EC	11	20.0	0.740
130	NJ 2226 EC	164.0	202.0	153.5	3.0	3.0	4.3	143.0	149	167	217.0	2.5	2.5	HJ 2226 EC	11	21.0	0.830
140	NJ 2228 EC	179.0	217.0	169.0	3.0	3.0	4.4	153.0	164	183	237.0	2.5	2.5	HJ 228 EC	11	23.0	1.050
150	NJ 2230 EC	194.0	234.0	182.0	3.0	3.0	4.9	163.0	179	197	257.0	2.5	2.5	HJ 2230 EC	12	24.5	1.350
160	NJ 2232 EC	205.0	252.0	193.0	3.0	3.0	4.5	173.0	188	209	277.0	2.5	2.5	HJ 2232 EC	12	24.5	1.550
180	NJ 2236 EC	229.0	280.0	215.0	4.0	4.0	4.2	196.0	210	218	304.0	3.0	3.0	HJ 2236 EC	12	24.0	1.850

