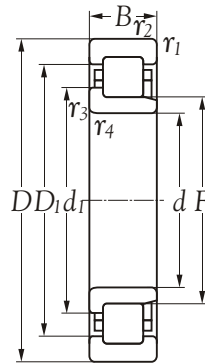


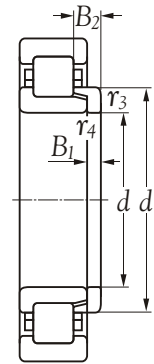
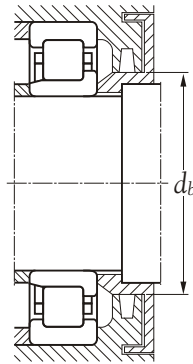


## Technical Information



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> <sub>0</sub>	grease r/min	oil r/min	
15	NJ 302 EC	42	13	15500	12200	11200	13300	0.088
17	NJ 303 EC	47	14	19600	16300	9800	11900	0.120
20	NJ 304 EC	52	15	24600	20800	8400	10500	0.150
25	NJ 305 EC	62	19	32100	29200	6600	8400	0.250
30	NJ 306 EC	72	17	40900	38400	6300	7700	0.370
35	NJ 307 EC	80	21	51500	50400	5600	6600	0.490
40	NJ 308 EC	90	23	64700	62400	4600	5600	0.640
45	NJ 309 EC	100	25	79200	80000	4400	5200	0.920
50	NJ 310 EC	110	27	88000	89600	3500	4200	1.150
55	NJ 311 EC	120	29	110400	114400	3300	3900	1.500
60	NJ 312 EC	130	31	120800	128000	3000	3500	1.900
65	NJ 313 EC	140	33	146400	156800	2800	3300	2.300
70	NJ 314 EC	150	35	164000	182400	2500	3000	2.800
75	NJ 315 EC	160	37	193600	212000	2300	2800	3.350
80	NJ 316 EC	170	39	208000	232000	2200	2600	4.000
85	NJ 317 EC	180	41	237600	268000	2100	2500	4.800
90	NJ 318 EC	190	43	255200	288000	1900	2300	5.550
95	NJ 319 EC	200	45	272800	312000	1800	2200	6.450
100	NJ 320 EC	215	47	312800	352000	1600	2100	7.800
105	NJ 321 EC	225	49	352000	400000	1500	1900	8.950
110	NJ 322 EC	240	50	374400	432000	1400	1800	10.500
120	NJ 324 EC	260	55	431200	496000	1300	1600	13.500
130	NJ 326 EC	280	58	501600	600000	1200	1500	19.000
140	NJ 328 EC	300	62	545600	664000	1200	1500	23.000
150	NJ 330 EC	320	65	624800	772000	1100	1400	28.000
160	NJ 332 EC	340	68	704000	864000	1000	1200	33.000





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	$D_a$ min	$r_a$ max	$r_b$ max		$B_1$ mm	$B_2$ mm	
15	NJ 302 EC	24.3	33.0	21.0	1.0	0.6	1.0	19.0	23	26	37.0	1.0	0.6	HJ 302 EC	3	5.5	0.009	
17	NJ 303 EC	27.7	37.0	24.2	1.0	0.6	1.0	21.0	23	26	42.0	1.0	0.6	HJ 303 EC	3	5.5	0.011	
20	NJ 304 EC	31.2	42.4	27.5	1.1	0.6	0.9	24.0	39	33	45.5	1.0	0.6	HJ 304 EC	4	6.5	0.017	
25	NJ 305 EC	38.1	50.7	34.0	1.1	1.1	1.3	31.5	32	40	55.5	1.0	1.0	HJ 305 EC	4	7.0	0.023	
30	NJ 306 EC	45.0	58.9	40.5	1.1	1.1	1.4	36.5	44	47	65.5	1.0	1.0	HJ 306 EC	5	8.5	0.040	
35	NJ 307 EC	51.0	66.3	46.2	1.5	1.1	1.2	41.5	50	53	72.0	1.5	1.0	HJ 307 EC	6	9.5	0.058	
40	NJ 308 EC	57.5	75.6	52.0	1.5	1.5	1.4	48.0	78	60	82.0	1.5	1.5	HJ 308 EC	7	11.0	0.084	
45	NJ 309 EC	64.4	83.8	58.5	1.5	1.5	1.7	53.0	63	61	92.0	1.5	1.5	HJ 309 EC	7	11.5	0.110	
50	NJ 310 EC	71.2	92.1	65.0	2.0	2.0	1.9	59.0	68	73	101.0	2.0	2.0	HJ 310 EC	8	13.0	0.140	
55	NJ 311 EC	77.5	101.0	70.5	2.0	2.0	2.0	64.0	74	80	111.0	2.0	2.0	HJ 311 EC	9	14.0	0.190	
60	NJ 312 EC	84.3	110.0	77.0	2.1	2.1	2.1	71.0	80	87	119.0	2.0	2.0	HJ 312 EC	9	14.5	0.220	
65	NJ 313 EC	90.5	119.0	82.5	2.1	2.1	2.2	76.0	86	93	129.0	2.0	2.0	HJ 313 EC	10	15.5	0.270	
70	NJ 314 EC	97.3	127.0	89.0	2.1	2.1	1.8	81.0	92	100	139.0	2.0	2.0	HJ 314 EC	10	15.5	0.320	
75	NJ 315 EC	104.0	136.0	95.0	2.1	2.1	1.8	86.0	98	107	149.0	2.0	2.0	HJ 315 EC	11	16.5	0.390	
80	NJ 316 EC	110.0	144.0	101.0	2.1	2.1	2.1	91.0	105	113	159.0	2.0	2.0	HJ 316 EC	11	17.0	0.440	
85	NJ 317 EC	117.0	153.0	108.0	3.0	3.0	2.3	98.0	110	120	167.0	2.5	2.5	HJ 317 EC	12	18.5	0.550	
90	NJ 318 EC	124.0	162.0	113.5	3.0	3.0	2.5	103.0	118	127	177.0	2.5	2.5	HJ 318 EC	12	18.5	0.600	
95	NJ 319 EC	132.0	170.0	121.5	3.0	3.0	2.9	108.0	124	135	187.0	2.5	2.5	HJ 319 EC	13	20.5	0.760	
100	NJ 320 EC	139.0	182.0	127.5	3.0	3.0	2.9	113.0	130	142	202.0	2.5	2.5	HJ 320 EC	13	20.5	0.870	
105	NJ 321 EC	145.0	190.0	133.0	3.0	3.0	3.4	118.0	139	148	212.0	2.5	2.5	HJ 321 EC	13	20.5	1.000	
110	NJ 322 EC	155.0	201.0	143.0	3.0	3.0	3.0	123.0	150	159	227.0	2.5	2.5	HJ 322 EC	14	22.0	1.200	
120	NJ 324 EC	168.0	219.0	154.0	3.0	3.0	3.7	133.0		171	247.0	2.5	2.5	HJ 324 EC	14	22.5	1.400	
130	NJ 326 EC	181.0	236.0	167.0	4.0	4.0	3.7	146.0	163	185	264.0	3.0	3.0	HJ 326 EC	14	23.0	1.600	
140	NJ 328 EC	195.0	252.0	180.0	4.0	4.0	3.7	156.0	176	199	284.0	82	3.0	3.0	HJ 328 EC	15	25.0	2.000
150	NJ 330 EC	209.0	270.0	193.0	4.0	4.0	4.0	166.0	189	213	304.0		3.0	3.0	HJ 330 EC	15	25.0	2.300
160	NJ 332 EC	221.0	286.0	204.0	4.0	4.0	4.0	176.0	200	225	324.0		3.0	3.0	HJ 332 EC	15	25.0	2.550

