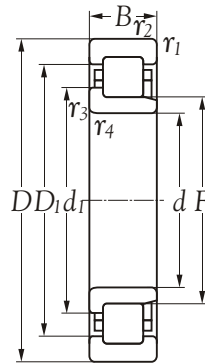
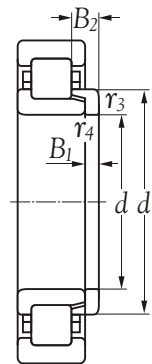
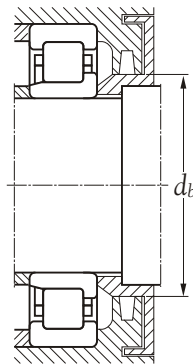


## Technical Information



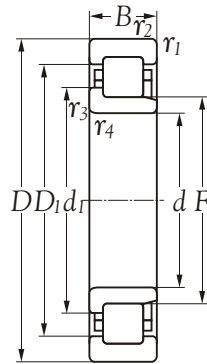
Inner bore <i>d</i> mm	Bearing number	Principal dimensions		Basic load ratings		Max runout speed		Mass kg
		<i>D</i> mm	<i>B</i> mm	dynamic <i>C</i> N	static <i>C</i> <sub>0</sub>	grease r/min	oil r/min	
15	NJ 202 EC	35	11	10000	8100	12600	15400	0.049
17	NJ 203 EC	40	12	13700	11400	11200	13300	0.070
20	NJ 204 EC	47	14	20000	17600	9100	11200	0.110
25	NJ 205 EC	52	15	22800	21600	7700	9800	0.140
30	NJ 206 EC	62	16	30400	29200	6600	8400	0.210
35	NJ 207 EC	72	17	38700	38400	5900	7000	0.310
40	NJ 208 EC	80	18	43100	42400	5200	6300	0.380
45	NJ 209 EC	85	19	48400	51200	4600	5600	0.440
50	NJ 210 EC	90	20	51500	55600	4400	5200	0.490
55	NJ 211 EC	100	21	67300	76000	4200	4900	0.670
60	NJ 212 EC	110	22	74800	81600	3700	4400	0.830
65	NJ 213 EC	120	23	84800	94400	3300	3900	1.050
70	NJ 214 EC	125	24	95200	109600	3100	3700	1.150
75	NJ 215 EC	130	25	104000	124800	3100	3700	1.300
80	NJ 216 EC	140	26	110400	132800	2800	3300	1.550
85	NJ 217 EC	150	28	132000	160000	2600	3100	1.950
90	NJ 218 EC	160	30	146400	176000	2500	3000	2.400
95	NJ 219 EC	170	32	176000	212000	2300	2800	2.900
100	NJ 220 EC	180	34	200800	244000	2200	2600	3.500
105	NJ 221 EC	190	36	211200	252000	2100	2500	4.100
110	NJ 222 EC	200	38	233600	292000	1900	2300	4.900
120	NJ 224 EC	215	40	272800	344000	1600	2100	5.850
130	NJ 226 EC	230	40	286400	364000	1500	1900	6.600
140	NJ 228 EC	250	42	312800	408000	1400	1800	8.500
150	NJ 230 EC	270	45	356800	480000	1300	1600	10.500
160	NJ 232 EC	290	48	400800	544000	1200	1500	15.000
170	NJ 234 EC	310	52	492800	652000	1200	1500	19.500
180	NJ 236 EC	320	52	501600	680000	1100	1400	20.000
190	NJ 238 EC	310	55	554400	772000	1100	1300	24.500





Inner bore <i>d</i> mm	Bearing number	Dimensions(mm)							Abutment and fillet dimensions(mm)					Angle ring Designation	Dimensions		Mass kg
		<i>d</i> <sub>1</sub>	<i>D</i> <sub>1</sub>	<i>F</i>	<i>r</i> <sub>1,2</sub> min	<i>r</i> <sub>3,4</sub> min	<i>s</i> <sup>0</sup>	<i>d</i> <sub>a</sub> min	<i>d</i> <sub>a</sub> max	<i>d</i> <sub>b</sub> max	<i>D</i> <sub>a</sub> max	<i>r</i> <sub>a</sub> max	<i>r</i> <sub>b</sub> max		<i>B</i> <sub>1</sub> mm	<i>B</i> <sub>2</sub> mm	
15	NJ 202 EC	21.9	27.9	19.3	0.6	0.3	1.0	17.0	18	23	31.0	0.6	0.3	HJ 202 EC	2.5	5.0	0.005
17	NJ 203 EC	25.0	32.4	22.1	0.6	0.3	1.0	19.0	21	27	36.0	0.6	0.3	HJ 203 EC	3.0	5.5	0.008
20	NJ 204 EC	29.7	38.8	26.5	1.0	0.6	1.0	24.0	25	31	42.0	1.0	0.6	HJ 204 EC	3.0	5.5	0.011
25	NJ 205 EC	34.7	43.8	31.5	1.0	0.6	1.3	29.0	30	36	47.0	1.0	0.6	HJ 205 EC	3.0	6.0	0.014
30	NJ 206 EC	41.2	52.5	37.5	1.0	0.6	1.3	34.0	36	43	57.0	1.0	0.6	HJ 206 EC	4.0	7.0	0.025
35	NJ 207 EC	48.1	60.7	44.0	1.1	0.6	1.3	39.0	42	50	65.5	1.0	0.6	HJ 207 EC	4.0	7.0	0.033
40	NJ 208 EC	54.0	67.9	49.5	1.1	1.1	1.4	46.5	48	56	73.5	1.0	1.0	HJ 208 EC	5.0	8.5	0.047
45	NJ 209 EC	59.0	73.0	54.5	1.1	1.1	1.2	51.5	53	61	78.5	1.0	1.0	HJ 209 EC	5.0	8.5	0.052
50	NJ 210 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	5.0	9.0	0.058
55	NJ 211 EC	70.8	86.3	66.0	1.5	1.1	1.0	61.5	64	73	92.0	1.5	1.0	HJ 211 EC	6.0	9.5	0.083
60	NJ 212 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	6.0	10.0	0.100
65	NJ 213 EC	84.4	104.0	78.5	1.5	1.5	1.4	73.0	76	87	112.0	1.5	1.5	HJ 213 EC	6.0	10.0	0.120
70	NJ 214 EC	89.4	109.0	83.5	1.5	1.5	1.2	78.0	81	92	117.0	1.5	1.5	HJ 214 EC	7.0	11.0	0.150
75	NJ 215 EC	94.3	114.0	88.5	1.5	1.5	1.2	83.0	86	97	122.0	1.5	1.5	HJ 215 EC	7.0	11.0	0.160
80	NJ 216 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	8.0	12.5	0.210
85	NJ 217 EC	107.0	131.0	100.5	2.0	2.0	1.5	94.0	98	110	141.0	2.0	2.0	HJ 217 EC	8.0	12.5	0.240
90	NJ 218 EC	114.0	140.0	107.0	2.0	2.0	1.8	99.0	104	117	151.0	2.0	2.0	HJ 218 EC	9.0	14.0	0.310
95	NJ 219 EC	120.0	149.0	112.5	2.1	2.1	1.7	106.0	110	123	159.0	2.0	2.0	HJ 219 EC	9.0	14.0	0.330
100	NJ 220 EC	127.0	157.0	119.0	2.1	2.1	1.7	111.0	116	130	169.0	2.0	2.0	HJ 220 EC	10.0	15.0	0.520
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	10.0	16.0	0.510
110	NJ 222 EC	141.0	174.0	132.5	2.1	2.1	2.1	121.0	130	145	189.0	2.0	2.0	HJ 222 EC	11.0	17.0	0.600
120	NJ 224 EC	153.0	188.0	143.5	2.1	2.1	1.9	131.0	140	156	204.0	2.0	2.0	HJ 224 EC	11.0	17.0	0.690
130	NJ 226 EC	164.0	202.0	153.5	3.0	3.0	2.1	143.0	150	167	217.0	2.5	2.5	HJ 226 EC	11.0	17.0	0.750
140	NJ 228 EC	179.0	217.0	169.0	3.0	3.0	2.4	153.0	166	183	237.0	2.5	2.5	HJ 228 EC	11.0	18.0	0.960
150	NJ 230 EC	193.0	234.0	182.0	3.0	3.0	2.5	163.0	178	197	257.0	2.5	2.5	HJ 230 EC	12.0	19.5	1.250
160	NJ 232 EC	206.0	250.0	195.0	3.0	3.0	2.7	173.0	191	210	277.0	2.5	2.5	HJ 232 EC	12.0	20.0	1.450
170	NJ 234 EC	220.0	269.0	207.0	4.0	4.0	2.9	186.0	203	224	294.0	3.0	2.5	HJ 234 EC	12.0	20.0	1.650
180	NJ 236 EC	230.0	279.0	217.0	4.0	4.0	2.9	196.0	213	234	304.0	3.0	3.0	HJ 236 EC	12.0	20.0	1.700
190	NJ 238 EC	224.0	295.0	230.0	4.0	4.0	3.0	206.0	248	248	324.0	3.0	3.0	HJ 238 EC	13.0	21.5	2.100



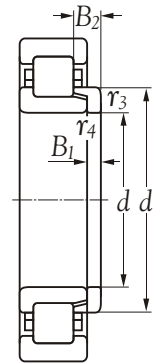
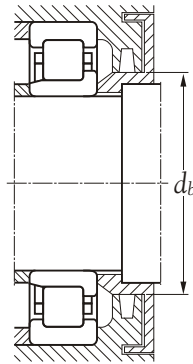


Inner bore <i>d</i> mm	Bearing number	Principal dimensions		Basic load ratings		Max runout speed		Mass kg
		<i>D</i> mm	<i>B</i> mm	dynamic <i>C</i> N	static <i>C</i> <sub>0</sub>	grease r/min	oil r/min	
200	NJ 240 EC	360	58	612000	848000	1000	1200	29.000
220	NJ 244	400	65	612000	864000	1000	1200	39.000
240	NJ 248	440	72	761600	1096000	900	1100	52.500
260	NJ 252	480	80	936000	1360000	700	900	71.000
280	NJ 256	500	80	912000	1360000	700	900	73.000
300	NJ 260	540	85	1136000	1696000	700	900	89.500





CYLINDRICAL ROLLER BEARINGS  
SINGLE ROW



Inner bore <i>d</i> mm	Bearing number	Dimensions(mm)						Abutment and fillet dimensions(mm)						Angle ring Designation	Dimensions		Mass kg
		<i>d</i> <sub>1</sub>	<i>D</i> <sub>1</sub>	<i>F</i>	<i>r</i> <sub>1,2</sub> min	<i>r</i> <sub>3,4</sub> min	<i>s</i> <sup>0</sup>	<i>d</i> <sub>a</sub> min	<i>d</i> <sub>a</sub> max	<i>d</i> <sub>b</sub> max	<i>D</i> <sub>a</sub> max	<i>r</i> <sub>a</sub> max	<i>r</i> <sub>b</sub> max		<i>B</i> <sub>1</sub> mm	<i>B</i> <sub>2</sub> mm	
200	NJ 240 EC	258	312	243	4	4	2.6	216	263	262	344	3	3	HJ 240 EC	2.55	14	31.000
220	NJ 244	286	332	270	4	4	2.3	236	288	290	384	3	3	HJ 244	3.65	15	20.000
240	NJ 248	313	365	295	4	4	3.4	256	313	317	424	3	3	HJ 248	4.70	16	31.500
260	NJ 252	340	397	320	5	5	3.4	280	333	344	460	4	4	HJ 252	6.30	18	32.000
280	NJ 256	360	417	340	5	5	3.8	300	358	364	480	4	4	HJ 256	6.70	18	20.000
300	NJ 260	387	451	364	5	5	4.8	320	20	368	520	4	4	HJ 260	8.60	20	20.000

