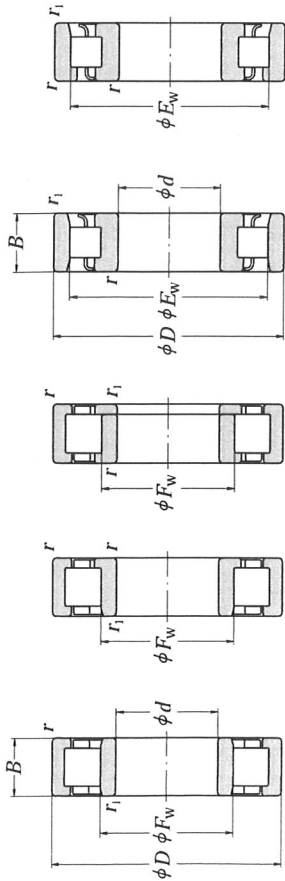


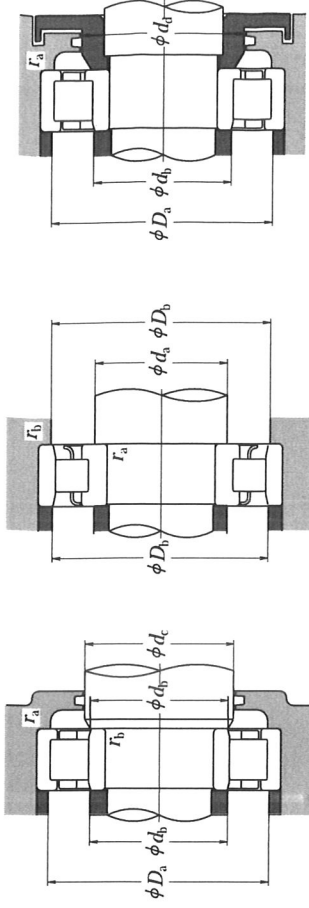
Bore Diameter 100 – 120 mm



d	D	B	Boundary Dimensions (mm)			Basic Load Ratings (N)		Limiting Speeds ⁽¹⁾ (min ⁻¹)	
			r _{min}	r ₁	F _w	C _r	C _{0r}	Grease	Oil
100	150	24	1.5	1.1	113	93 000	126 000	4 300	5 300
	180	34	2.1	2.1	—	183 000	217 000	3 600	4 300
	180	34	2.1	2.1	119	249 000	305 000	3 600	4 300
	180	46	2.1	2.1	119	335 000	445 000	3 200	3 800
	215	47	3	3	—	299 000	335 000	2 800	3 400
	215	47	3	3	129.5	299 000	335 000	2 800	3 400
105	215	47	3	3	127.5	380 000	425 000	2 800	3 400
	215	73	3	3	127.5	570 000	715 000	2 400	3 000
	250	58	4	4	139	450 000	500 000	2 600	3 000
	160	26	2	1.1	119.5	109 000	149 000	4 000	4 800
	190	36	2.1	2.1	—	201 000	241 000	3 400	4 000
	190	36	2.1	2.1	125	262 000	310 000	3 400	4 000
110	225	49	3	3	—	340 000	390 000	2 600	3 200
	225	49	3	3	133	425 000	480 000	2 600	3 200
	260	60	4	4	144.5	495 000	555 000	2 400	3 000
	170	28	2	1.1	125	131 000	174 000	3 800	4 500
	200	38	2.1	2.1	—	229 000	272 000	3 200	3 800
	200	38	2.1	2.1	132.5	293 000	365 000	3 200	3 800
120	200	53	2.1	2.1	132.5	385 000	515 000	2 800	3 400
	240	50	3	3	—	380 000	435 000	2 600	3 000
	240	50	3	3	143	450 000	525 000	2 600	3 000
	280	65	4	4	155	550 000	620 000	2 200	2 800
	180	28	2	1.1	135	139 000	191 000	3 400	4 300
	215	40	2.1	2.1	—	260 000	320 000	3 000	3 400

Notes ⁽¹⁾ The limiting speeds listed above apply to bearings with machined cages. (No suffix). For bearings with pressed cages, reduce the limiting speed by 20%. (Not applicable to bearing numbers with an EM, EW, or ET suffix.)

⁽²⁾ The bearings with suffix ET have polyamide cage. The maximum operating temperature should be less than 120 °C.



Bearing Numbers ⁽²⁾		Abutment and Fillet Dimensions (mm)											Mass (kg) approx.			
NU	NJ	NUP	N	NF	$d_a^{(4)}$ min.	d_b min.	$d_b^{(5)}$ max.	d_c min.	d_d min.	$D_a^{(4)}$ max.	D_b max.	D_b min.	r_a max.	r_b max.		
NU1020	NU	NJ	NUP	N	—	108	106.5	111	116	—	142	143.5	139	1.5	1	1.47
N 220	—	—	—	NF	111	111	—	—	—	—	169	163	2	2	2	3.36
NU 220 EM	NU	NJ	NUP	N	—	111	111	116	122	130	169	—	—	2	2	3.81
NU2220 ET	NU	NJ	NUP	—	—	111	111	116	122	130	169	—	—	2	2	4.68
N 320	—	—	—	NF	113	113	—	—	—	—	202	190	2.5	2.5	2.5	7.55
NU 320	NU	NJ	NUP	N	—	113	113	126	132	143	202	—	—	2.5	2.5	7.69
NU 320 EM	NU	NJ	NUP	—	—	113	113	124	132	143	202	—	—	2.5	2.5	8.63
NU2320 ET	NU	NJ	NUP	—	—	113	113	124	132	143	202	—	—	2.5	2.5	11.8
NU 420	NU	NJ	—	NF	116	116	135	141	156	234	234	215	3	3	3	15.5
NU1021	NU	—	—	N	NF	114	111.5	118	122	—	151	153.5	147	2	1	1.83
N 221	—	—	—	NF	116	—	—	—	—	—	179	172	2	2	2	4.0
NU 221 EM	NU	NJ	NUP	N	—	116	116	121	129	137	179	—	—	2	2	4.58
N 321	—	—	—	NF	118	—	—	—	—	—	212	199	2.5	2.5	2.5	8.69
NU 321 EM	NU	NJ	NUP	N	—	118	118	131	137	149	212	—	—	2.5	2.5	9.84
NU 421	NU	NJ	—	NF	121	121	141	147	162	244	244	225	3	3	3	17.3
NU1022	NU	NJ	—	NF	119	116.5	123	128	—	161	163.5	157	2	1	2	2.27
N 222	—	—	—	NF	121	—	—	—	—	—	189	182	2	2	2	4.64
NU 222 EM	NU	NJ	NUP	N	—	121	121	129	135	144	189	—	—	2	2	5.37
NU2222 EM	NU	NJ	NUP	—	—	121	121	129	135	144	189	—	—	2	2	7.65
N 322	—	—	—	NF	123	—	—	—	—	—	227	211	2.5	2.5	10.3	11.8
NU 322 EM	NU	NJ	NUP	—	—	123	123	139	145	158	227	—	—	2.5	2.5	11.8
NU 422	NU	NJ	—	—	—	126	126	151	157	173	264	—	—	3	3	22.1
NU1024	NU	NJ	NUP	N	—	129	126.5	133	138	—	171	173.5	167	2	1	2.43
N 224	—	—	—	NF	131	—	—	—	—	—	204	196	2	2	2	5.63
NU 224 EM	NU	NJ	NUP	N	—	131	131	140	146	156	204	—	—	2	2	6.43
NU2224 EM	NU	NJ	NUP	—	—	131	131	140	146	156	204	—	—	2	2	9.51
N 324	—	—	—	NF	133	—	—	—	—	—	247	230	2.5	2.5	12.9	15
NU 324 EM	NU	NJ	NUP	N	—	133	133	150	156	171	247	—	—	2.5	2.5	15
NU2324 EM	NU	NJ	NUP	—	—	133	133	150	156	171	247	—	—	2.5	2.5	25
NU 424	NU	NJ	NUP	N	—	140	140	166	172	190	290	290	266	4	4	30.2

Notes ⁽¹⁾ When L-shaped thrust collars (See section for L-Shaped Thrust Collars starting on page B104) are used, the bearings become the NH type.

⁽²⁾ If axial loads are applied, increase d_a and reduce D_b from the values listed above.

⁽³⁾ d_b (max.) are values for adjusting rings for NU, NJ Types.