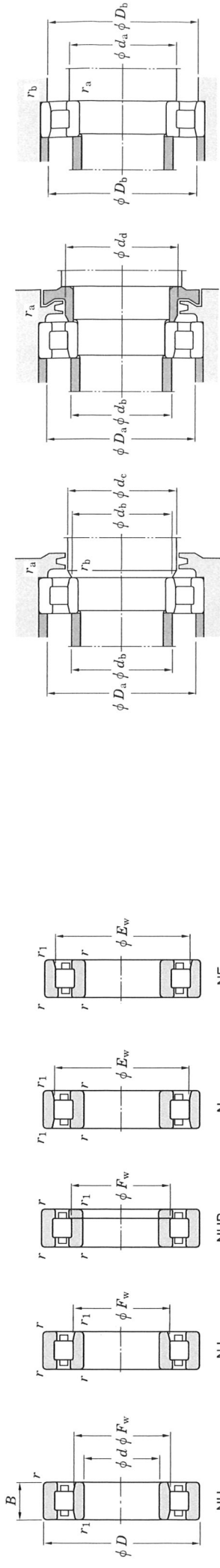


Single-row cylindrical roller bearings

d (100) ~ (120) mm



d	Boundary dimensions (mm)				Basic load ratings (kN)			Fatigue load limit (kN)		Limiting speeds (min ⁻¹)		Bearing No.				Mounting dimensions (mm)						(Refer.) Mass			
	D	B	r ₁ min.	r ₁	C _r	C _{0r}	C _u	Grease lub.	Oil lub.	NU	NJ	NUP	N	NF	d _a min.	d _b min.	d _c min.	d _d min.	D _a max.	D _b max.	D _b min.	r _a max.	r _b max.	NU	Mass (kg)
100	180	60.3	2.1	2.1	120	—	409	459	61.9	2 800	4 200	—	—	—	111	111	122	—	169	—	—	2	2	6.62	
	215	47	3	3	185.5	—	373	337	47.2	2 800	3 700	—	—	NF320	113	—	—	143	202	202	190	2.5	2.5	(7.59)	
	215	47	3	3	127.5	—	474	424	58.7	2 700	3 600	—	—	NJ320R	113	113	132	143	202	—	—	2.5	2.5	7.75	
	215	73	3	3	129.5	—	513	548	68.4	2 500	3 700	—	—	—	113	113	132	143	202	—	—	2.5	2.5	11.9	
	215	73	3	3	127.5	—	713	717	94.7	2 400	3 600	—	—	NUP2320	113	113	132	143	202	—	—	2.5	2.5	12.1	
	215	82.6	3	3	129.5	—	663	706	93.2	2 500	3 700	—	—	NUP2320R	113	113	132	143	202	—	—	2.5	2.5	15.0	
105	250	58	4	4	139	211	560	498	67.3	2 500	3 300	—	—	NUP420	116	116	137	141	156	234	213	3	3	14.0	
	160	26	2	1.1	119.5	—	136	149	19.6	4 100	4 800	—	—	—	114	111.5	118	122	—	151	—	2	1	1.85	
	190	36	2.1	2.1	—	168.8	251	241	34.1	3 300	3 900	—	—	NF221	116	—	—	137	179	173	173	2	2	(4.44)	
	190	65.1	2.1	2.1	126.8	—	431	482	64.3	2 600	3 900	—	—	—	116	116	124	129	—	179	—	2	2	8.00	
	225	49	3	3	—	195	426	417	53.1	2 600	3 500	—	—	NF321	118	—	—	149	212	212	199	2.5	2.5	(8.68)	
	225	77	3	3	135	—	711	750	97.3	2 300	3 500	—	—	—	118	118	131	138	—	212	—	2.5	2.5	15.6	
110	225	87.3	3	3	135	—	799	871	113	2 300	3 500	—	—	NF321	118	118	132	137	—	212	—	2.5	2.5	17.4	
	260	60	4	4	144.5	220.5	581	510	67.6	2 400	3 100	—	—	NF421	121	121	143	147	162	244	223	3	3	19.1	
	170	28	2	1.1	125	—	168	171	21.7	3 800	4 500	—	—	—	119	116.5	124	128	—	161	—	2	1	2.31	
	200	38	2.1	2.1	—	178.5	300	290	40.1	3 100	3 700	—	—	NF222	121	—	—	144	189	182	182	2	2	(5.24)	
	200	38	2.1	2.1	132.5	—	366	365	51.1	3 100	3 700	—	—	—	121	121	130	135	144	189	—	2	2	4.90	
	200	53	2.1	2.1	132.5	—	397	442	55.1	2 800	3 700	—	—	—	121	121	130	135	144	189	—	2	2	6.93	
115	200	53	2.1	2.1	132.5	—	479	517	69.9	2 800	3 700	—	—	—	121	121	130	135	144	189	—	2	2	6.93	
	200	69.8	2.1	2.1	132.5	—	533	607	80.6	2 500	3 700	—	—	—	121	121	130	135	—	189	—	2	2	9.55	
	240	50	3	3	—	207	475	467	58.4	2 500	3 300	—	—	NF322	123	—	—	158	227	227	211	2.5	2.5	(10.4)	
	240	50	3	3	143	—	564	525	70.0	2 400	3 200	—	—	—	123	123	140	145	158	227	—	2.5	2.5	10.7	
	240	80	3	3	143	—	755	789	102	2 200	3 300	—	—	—	123	123	140	145	158	227	—	2.5	2.5	18.8	
	240	80	3	3	143	—	843	880	112	2 200	3 200	—	—	—	123	123	140	145	158	227	—	2.5	2.5	18.8	
120	240	92.1	3	3	143	—	849	918	118	2 200	3 300	—	—	—	123	123	140	145	—	227	—	2.5	2.5	21.1	
	280	65	4	4	155	235	685	621	80.8	2 200	2 900	—	—	NF422	126	126	153	157	173	264	237	3	3	19.9	
	180	28	2	1.1	135	—	173	181	22.6	3 500	4 200	—	—	—	129	126.5	134	138	—	171	—	2	1	2.47	

[Remarks] 1) Standard cage types used for the above bearings are shown in Table 1 earlier in this section. Please note that basic load ratings and limiting speeds shown above indicate the value applicable to machined cage. Consult JTEKT about bearings with pressed cage, since they may be different from bearings with machined cage in values above.

2) Bearing numbers of NU and NJ type bearings with mounted thrust collar (refer to specification table shown after this specification table) are NUJ and NH.