



Ball & Roller Bearings



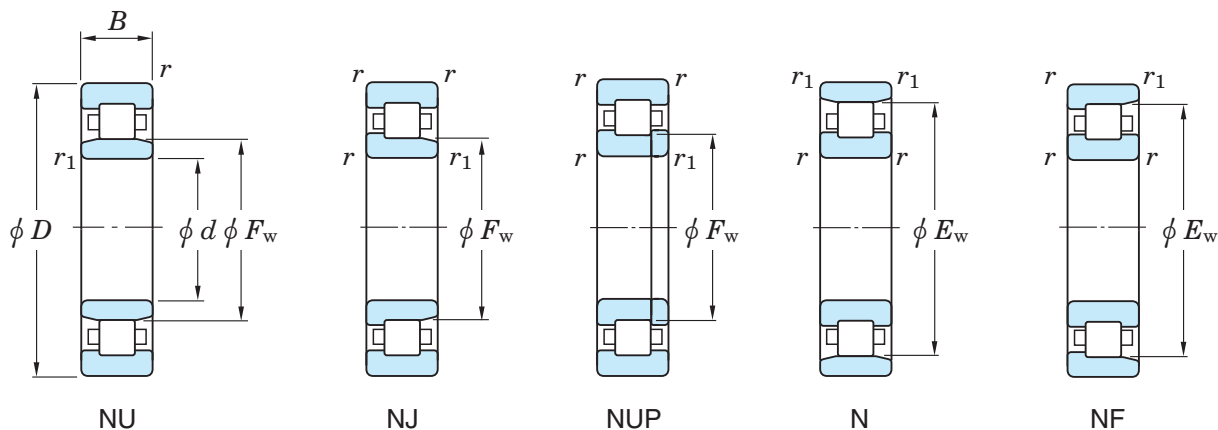
JTEKT

JTEKT CORPORATION

CAT. NO. B2001E-3

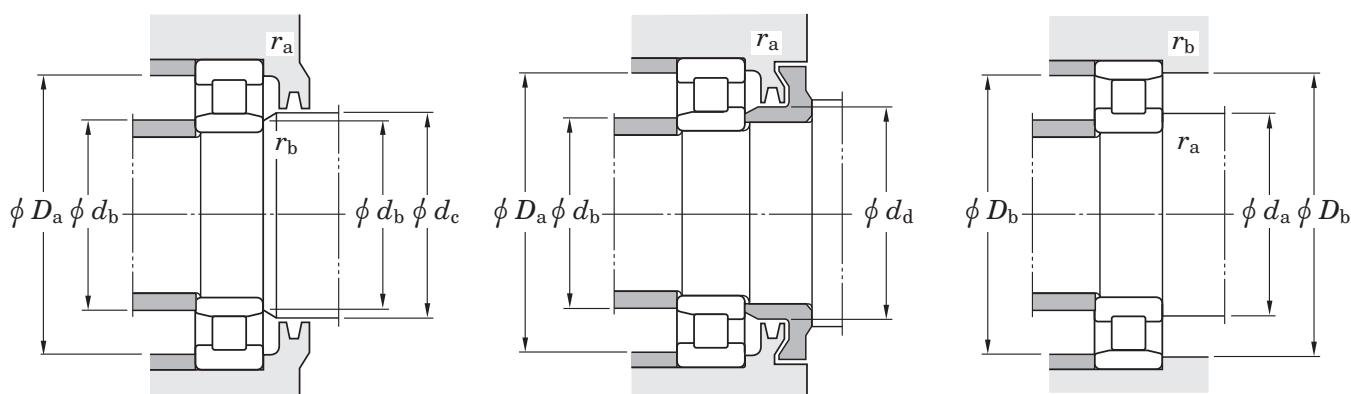
Single-row cylindrical roller bearings

d (55) ~ (65) mm



Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.	
d	D	B	$r_{\min.}$	$r_{1\min.}$	F_w	E_w	C_r	C_{0r}	Grease lub.	Oil lub.	NU	NJ
55	100	25	1.5	1.1	66	—	101	122	5 800	7 700	NU2211R	NJ2211R
	100	33.3	1.5	1.5	66.5	—	95.5	118	5 100	7 700	NU3211	—
	120	29	2	2	70.5	104.5	111	111	5 100	6 800	NU311	NJ311
	120	29	2	2	70.5	—	137	143	5 100	6 700	NU311R	NJ311R
	120	43	2	2	70.5	—	148	162	4 500	6 800	NU2311	NJ2311
	120	43	2	2	70.5	—	201	233	4 500	6 700	NU2311R	NJ2311R
	120	49.2	2	2	70.5	—	188	220	4 500	6 800	NU3311	—
	140	33	2.1	2.1	77.2	117.2	142	138	4 600	6 100	NU411	NJ411
60	95	18	1.1	1	69.5	—	42.1	50.0	7 000	8 300	NU1012	—
	110	22	1.5	1.5	73.5	97.5	71.9	79.9	5 800	7 000	NU212	NJ212
	110	22	1.5	1.5	72	—	97.7	107	5 800	6 900	NU212R	NJ212R
	110	28	1.5	1.5	73.5	—	101	123	5 200	7 000	NU2212	NJ2212
	110	28	1.5	1.5	72	—	131	157	5 200	6 900	NU2212R	NJ2212R
	110	36.5	1.5	1.5	73.5	—	128	167	4 700	7 000	NU3212	—
	130	31	2.1	2.1	77	113	124	126	4 700	6 300	NU312	NJ312
	130	31	2.1	2.1	77	—	150	157	4 600	6 200	NU312R	NJ312R
	130	46	2.1	2.1	77	—	168	188	4 200	6 300	NU2312	NJ2312
	130	46	2.1	2.1	77	—	223	262	4 100	6 200	NU2312R	NJ2312R
	130	54	2.1	2.1	77	—	220	265	4 200	6 300	NU3312	—
	150	35	2.1	2.1	83	127	178	184	4 200	5 700	NU412	NJ412
65	100	18	1.1	1	74.5	—	43.3	52.9	6 600	7 800	NU1013	—
	120	23	1.5	1.5	79.6	105.6	83.8	94.4	5 400	6 400	NU213	NJ213
	120	23	1.5	1.5	78.5	—	108	119	5 300	6 400	NU213R	NJ213R
	120	31	1.5	1.5	79.6	—	120	149	4 800	6 400	NU2213	NJ2213
	120	31	1.5	1.5	78.5	—	149	181	4 800	6 400	NU2213R	NJ2213R
	120	38.1	1.5	1.5	79.6	—	148	197	4 300	6 400	NU3213	—
	140	33	2.1	2.1	83.5	121.5	137	139	4 300	5 800	NU313	NJ313

[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.

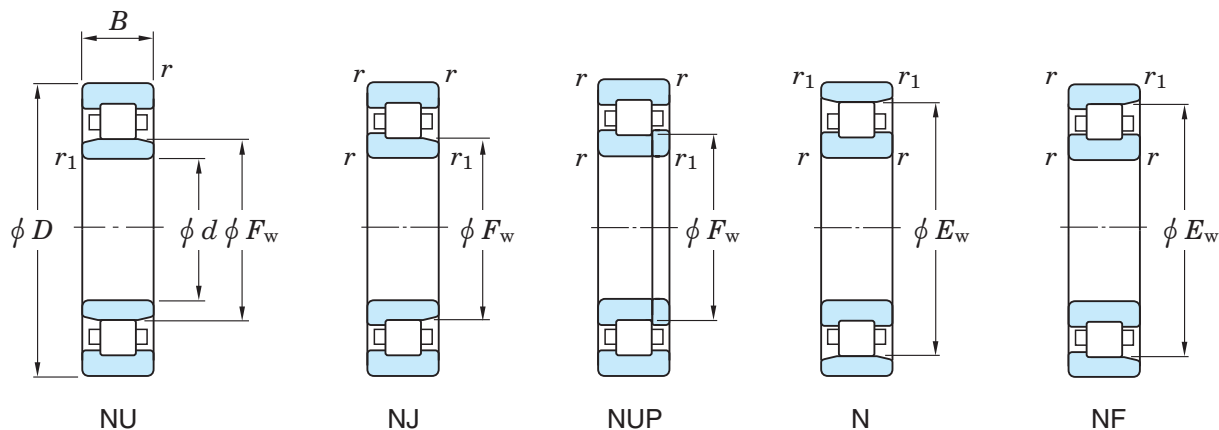


			Mounting dimensions (mm)										(Refer.) Mass NU (kg)
NUP	N	NF	d_a min.	d_b min.	d_b max.	d_c min.	d_d min.	D_a max.	D_b max.	D_b min.	r_a max.	r_b max.	
NUP2211R	—	—	63	61.5	65	68	73	92	—	—	1.5	1	0.806
—	—	—	63	63	65	68	—	92	—	—	1.5	1	1.14
NUP311	N311	NF311	64	64	69	72	80	111	111	107	2	2	1.44
NUP311R	—	—	64	64	69	72	80	111	—	—	2	2	1.50
NUP2311	—	—	64	64	69	72	80	111	—	—	2	2	2.10
NUP2311R	—	—	64	64	69	72	80	111	—	—	2	2	2.25
—	—	—	64	64	69	72	—	111	—	—	2	2	2.81
NUP411	N411	NF411	66	66	76	79	87	129	129	119	2	2	2.51
NUP1012	—	—	66.5	65	68	71	—	88.5	—	—	1	1	0.477
NUP212	N212	NF212	68	68	71	75	80	102	102	100	1.5	1.5	0.823
NUP212R	—	—	68	68	71	75	80	102	—	—	1.5	1.5	0.830
NUP2212	—	—	68	68	71	75	80	102	—	—	1.5	1.5	1.07
NUP2212R	—	—	68	68	71	75	80	102	—	—	1.5	1.5	1.09
—	—	—	68	68	71	75	—	102	—	—	1.5	1.5	1.52
NUP312	N312	NF312	71	71	75	79	86	119	119	116	2	2	1.83
NUP312R	—	—	71	71	75	79	86	119	—	—	2	2	1.87
NUP2312	—	—	71	71	75	79	86	119	—	—	2	2	2.69
NUP2312R	—	—	71	71	75	79	86	119	—	—	2	2	2.81
—	—	—	71	71	75	79	—	119	—	—	2	2	3.61
NUP412	N412	NF412	71	71	82	85	94	139	139	128	2	2	3.02
NUP1013	—	—	71.5	70	73	76	—	93.5	—	—	1	1	0.506
NUP213	N213	NF213	73	73	77	81	87	112	112	108	1.5	1.5	1.05
NUP213R	—	—	73	73	77	81	87	112	—	—	1.5	1.5	1.05
NUP2213	—	—	73	73	77	81	87	112	—	—	1.5	1.5	1.43
NUP2213R	—	—	73	73	77	81	87	112	—	—	1.5	1.5	1.45
—	—	—	73	73	77	81	—	112	—	—	1.5	1.5	1.90
NUP313	N313	NF313	76	76	81	85	93	129	129	125	2	2	2.24

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.

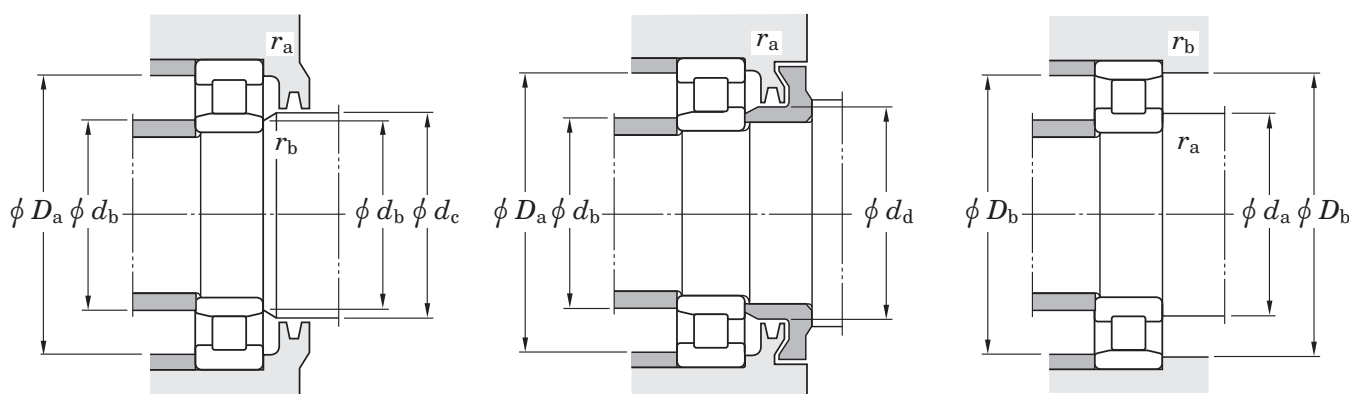
Single-row cylindrical roller bearings

d (65) ~ (75) mm



Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.	
d	D	B	r min.	r_1 min.	F_w	E_w	C_r	C_{0r}	Grease lub.	Oil lub.	NU	NJ
65	140	33	2.1	2.1	82.5	—	181	191	4 300	5 700	NU313R	NJ313R
	140	48	2.1	2.1	83.5	—	190	212	3 900	5 800	NU2313	NJ2313
	140	48	2.1	2.1	82.5	—	251	287	3 800	5 700	NU2313R	NJ2313R
	140	58.7	2.1	2.1	83.5	—	241	294	3 900	5 800	NU3313	—
	160	37	2.1	2.1	89.3	135.3	198	203	4 000	5 300	NU413	NJ413
70	110	20	1.1	1	80	—	57.9	70.4	6 100	7 200	NU1014	—
	125	24	1.5	1.5	84.5	110.5	83.3	95.2	5 100	6 100	NU214	NJ214
	125	24	1.5	1.5	83.5	—	119	137	5 000	6 000	NU214R	NJ214R
	125	31	1.5	1.5	84.5	—	119	151	4 600	6 100	NU2214	NJ2214
	125	31	1.5	1.5	83.5	—	156	194	4 500	6 000	NU2214R	NJ2214R
	125	39.7	1.5	1.5	84.5	—	147	198	4 100	6 100	NU3214	—
	150	35	2.1	2.1	90	130	162	168	4 000	5 400	NU314	NJ314
	150	35	2.1	2.1	89	—	205	222	4 000	5 300	NU314R	NJ314R
	150	51	2.1	2.1	90	—	224	262	3 600	5 400	NU2314	NJ2314
	150	51	2.1	2.1	89	—	275	323	3 600	5 300	NU2314R	NJ2314R
	150	63.5	2.1	2.1	90	—	283	356	3 600	5 400	NU3314	—
	180	42	3	3	100	152	246	257	3 500	4 700	NU414	NJ414
75	115	20	1.1	1	85	—	63.6	78.1	5 700	6 800	NU1015	—
	130	25	1.5	1.5	88.5	116.5	101	118	4 800	5 800	NU215	NJ215
	130	25	1.5	1.5	88.5	—	130	156	4 800	5 700	NU215R	NJ215R
	130	31	1.5	1.5	88.5	—	135	172	4 300	5 800	NU2215	NJ2215
	130	31	1.5	1.5	88.5	—	162	207	4 300	5 700	NU2215R	NJ2215R
	130	41.3	1.5	1.5	88.5	—	167	226	3 900	5 800	NU3215	—
	160	37	2.1	2.1	95.5	139.5	194	205	3 800	5 000	NU315	NJ315
	160	37	2.1	2.1	95	—	240	263	3 700	5 000	NU315R	NJ315R
	160	55	2.1	2.1	95.5	—	275	327	3 400	5 000	NU2315	NJ2315
	160	55	2.1	2.1	95	—	329	395	3 300	5 000	NU2315R	NJ2315R

[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.



NUP	N	NF	Mounting dimensions (mm)										(Refer.) Mass NU (kg)
			d_a min.	d_b min.	d_b max.	d_c min.	d_d min.	D_a max.	D_b max.	D_b min.	r_a max.	r_b max.	
NUP313R	—	—	76	76	81	85	93	129	—	—	2	2	2.31
NUP2313	—	—	76	76	81	85	93	129	—	—	2	2	3.25
NUP2313R	—	—	76	76	81	85	93	129	—	—	2	2	3.36
—	—	—	76	76	81	85	—	129	—	—	2	2	4.53
NUP413	N413	NF413	76	76	88	91	100	149	149	137	2	2	3.58
NUP1014	—	—	76.5	75	78	82	—	103.5	—	—	1	1	0.702
NUP214	N214	NF214	78	78	82	86	92	117	117	114	1.5	1.5	1.15
NUP214R	—	—	78	78	82	86	92	117	—	—	1.5	1.5	1.16
NUP2214	—	—	78	78	82	86	92	117	—	—	1.5	1.5	1.52
NUP2214R	—	—	78	78	82	86	92	117	—	—	1.5	1.5	1.53
—	—	—	78	78	82	86	—	117	—	—	1.5	1.5	2.09
NUP314	N314	NF314	81	81	87	92	100	139	139	134	2	2	2.73
NUP314R	—	—	81	81	87	92	100	139	—	—	2	2	2.81
NUP2314	—	—	81	81	87	92	100	139	—	—	2	2	3.97
NUP2314R	—	—	81	81	87	92	100	139	—	—	2	2	4.08
—	—	—	81	81	87	92	—	139	—	—	2	2	5.62
NUP414	N414	NF414	83	83	99	102	112	167	167	153	2.5	2.5	5.26
NUP1015	—	—	81.5	80	83	87	—	108.5	—	—	1	1	0.735
NUP215	N215	NF215	83	83	87	90	96	122	122	120	1.5	1.5	1.24
NUP215R	—	—	83	83	87	90	96	122	—	—	1.5	1.5	1.29
NUP2215	—	—	83	83	87	90	96	122	—	—	1.5	1.5	1.57
NUP2215R	—	—	83	83	87	90	96	122	—	—	1.5	1.5	1.61
—	—	—	83	83	87	90	—	122	—	—	1.5	1.5	2.28
NUP315	N315	NF315	86	86	93	97	106	149	149	143	2	2	3.24
NUP315R	—	—	86	86	93	97	106	149	—	—	2	2	3.37
NUP2315	—	—	86	86	93	97	106	149	—	—	2	2	4.84
NUP2315R	—	—	86	86	93	97	106	149	—	—	2	2	5.00

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.