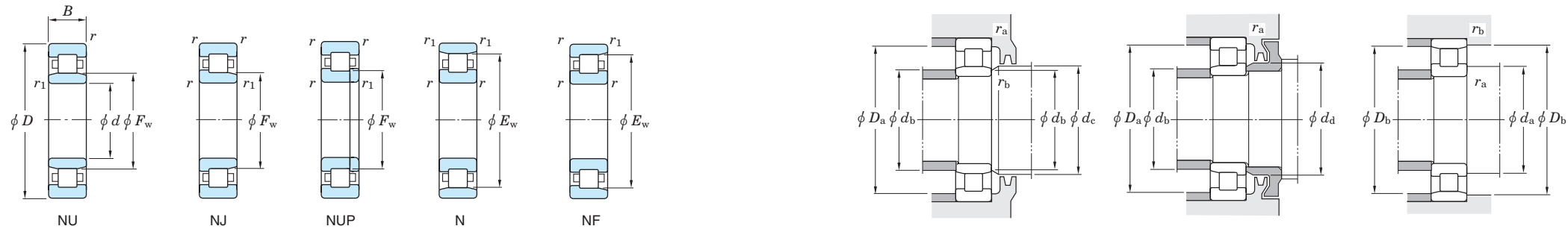


Single-row cylindrical roller bearings

d 20 ~ (30) mm



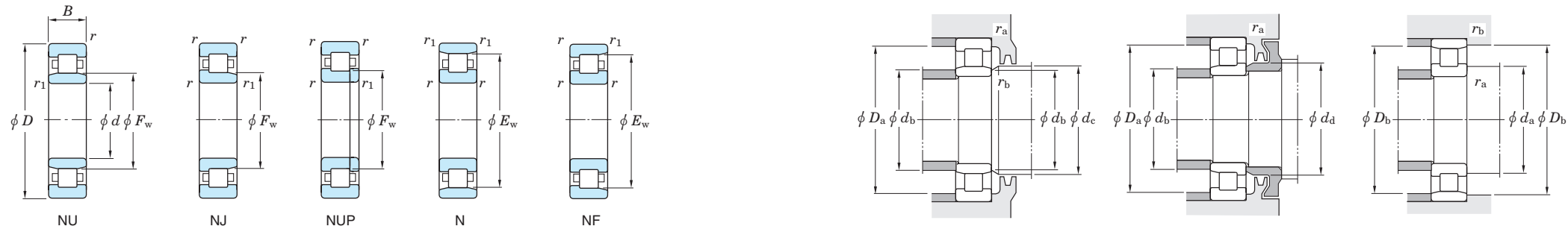
Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit	Limiting speeds (min ⁻¹)		Bearing No.					Mounting dimensions (mm)										(Refer. Mass NU (N) (kg)
d	D	B	r _{min.}	r _{1 min.}	F _w	E _w	C _r	C _{0r}	(kN) C _u	Grease lub.	Oil lub.	NU	NJ	NUP	N	NF	d _{a min.}	d _{b min.}	d _{b max.}	d _{c min.}	d _{d min.}	D _{a max.}	D _{b max.}	D _{b min.}	r _{a max.}	r _{b max.}	
20	47	14	1	0.6	—	40	19.3	12.7	1.45	15 000	18 000	—	—	—	N204	NF204	25	—	—	—	32	42	43	42	1	0.6	(0.108)
	47	14	1	0.6	26.5	—	32.2	22.6	3.05	15 000	18 000	NU204R	NJ204R	NUP204R	—	—	25	24	26	29	32	42	—	—	1	0.6	0.112
	47	18	1	0.6	27	—	27.8	18.4	2.70	13 000	18 000	NU2204	NJ2204	NUP2204	—	—	25	24	26	29	32	42	—	—	1	0.6	0.146
	47	18	1	0.6	26.5	—	38.3	28.3	3.60	13 000	18 000	NU2204R	NJ2204R	NUP2204R	—	—	25	24	26	29	32	42	—	—	1	0.6	0.146
	52	15	1.1	0.6	—	44.5	28.9	19.2	2.50	12 000	16 000	—	—	—	N304	NF304	26.5	—	—	—	33	45.5	48	45.5	1	0.6	(0.147)
	52	15	1.1	0.6	27.5	—	39.4	26.9	3.75	12 000	16 000	NU304R	NJ304R	NUP304R	—	—	26.5	24	27	30	33	45.5	—	—	1	0.6	0.153
	52	21	1.1	0.6	28.5	—	38.0	30.2	3.60	11 000	16 000	NU2304	NJ2304	NUP2304	—	—	26.5	24	27	30	33	45.5	—	—	1	0.6	0.212
	52	21	1.1	0.6	27.5	—	52.5	38.8	5.40	11 000	16 000	NU2304R	NJ2304R	NUP2304R	—	—	26.5	24	27	30	33	45.5	—	—	1	1	0.215
25	47	12	0.6	0.3	30.5	—	17.8	13.1	2.25	15 000	18 000	NU1005	—	NUP1005	—	—	29	27	30	32	—	43	—	—	0.6	0.3	0.084
	52	15	1	0.6	—	45	22.1	15.7	1.80	13 000	16 000	—	—	—	N205	NF205	30	—	—	—	37	47	48	47	1	0.6	(0.132)
	52	15	1	0.6	31.5	—	36.7	27.7	3.75	13 000	15 000	NU205R	NJ205R	NUP205R	—	—	30	29	31	34	37	47	—	—	1	0.6	0.138
	52	18	1	0.6	32	—	29.6	22.8	3.05	12 000	16 000	NU2205	NJ2205	NUP2205	—	—	30	29	31	34	37	47	—	—	1	0.6	0.163
	52	18	1	0.6	31.5	—	43.6	34.6	4.40	12 000	15 000	NU2205R	NJ2205R	NUP2205R	—	—	30	29	31	34	37	47	—	—	1	0.6	0.166
	62	17	1.1	1.1	—	53	36.6	25.2	3.45	10 000	14 000	—	—	—	N305	NF305	31.5	—	—	—	40	55.5	55.5	55	1	1	(0.235)
	62	17	1.1	1.1	34	—	51.9	37.4	4.85	10 000	14 000	NU305R	NJ305R	NUP305R	—	—	31.5	31.5	33	37	40	55.5	—	—	1	1	0.243
	62	24	1.1	1.1	35	—	53.4	40.9	5.70	9 100	14 000	NU2305	NJ2305	NUP2305	—	—	31.5	31.5	33	37	40	55.5	—	—	1	1	0.340
62	24	1.1	1.1	34	—	71.2	56.1	7.50	9 100	14 000	NU2305R	NJ2305R	NUP2305R	—	—	31.5	31.5	33	37	40	55.5	—	—	1	1	0.350	
30	55	13	1	0.6	36.5	—	23.4	18.4	2.05	13 000	15 000	NU1006	—	NUP1006	—	—	35	34	35	38	—	50	—	—	1	0.6	0.121
	62	16	1	0.6	—	53.5	31.1	21.5	2.95	11 000	13 000	—	—	—	N206	NF206	35	—	—	—	44	57	58	56	1	0.6	(0.206)
	62	16	1	0.6	37.5	—	48.9	37.4	5.25	11 000	13 000	NU206R	NJ206R	NUP206R	—	—	35	34	37	40	44	57	—	—	1	0.6	0.209
	62	20	1	0.6	38.5	—	41.0	33.1	4.20	9 800	13 000	NU2206	NJ2206	NUP2206	—	—	35	34	37	40	44	57	—	—	1	0.6	0.262
	62	20	1	0.6	37.5	—	61.2	49.8	6.80	9 700	13 000	NU2206R	NJ2206R	NUP2206R	—	—	35	34	37	40	44	57	—	—	1	0.6	0.262
	62	23.8	1	1	38.5	—	53.3	46.4	5.95	8 700	13 000	NU3206	—	—	—	—	35	35	37	40	—	57	—	—	1	0.6	0.343
	72	19	1.1	1.1	—	62	48.3	35.2	5.00	8 700	12 000	—	—	—	N306	NF306	36.5	—	—	—	48	65.5	65.5	64	1	1	(0.353)
	72	19	1.1	1.1	40.5	—	66.5	50.2	6.80	8 700	12 000	NU306R	NJ306R	NUP306R	—	—	36.5	36.5	40	44	48	65.5	—	—	1	1	0.361
	72	27	1.1	1.1	42	—	64.3	50.8	7.15	7 700	12 000	NU2306	NJ2306	NUP2306	—	—	36.5	36.5	40	44	48	65.5	—	—	1	1	0.500
	72	27	1.1	1.1	40.5	—	93.3	77.6	10.1	7 800	12 000	NU2306R	NJ2306R	NUP2306R	—	—	36.5	36.5	40	44	48	65.5	—	—	1	1	0.534

[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.

Single-row cylindrcal roller bearings

d (30) ~ (45) mm



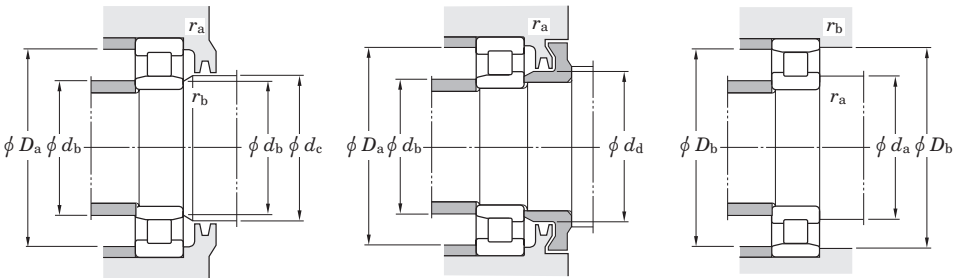
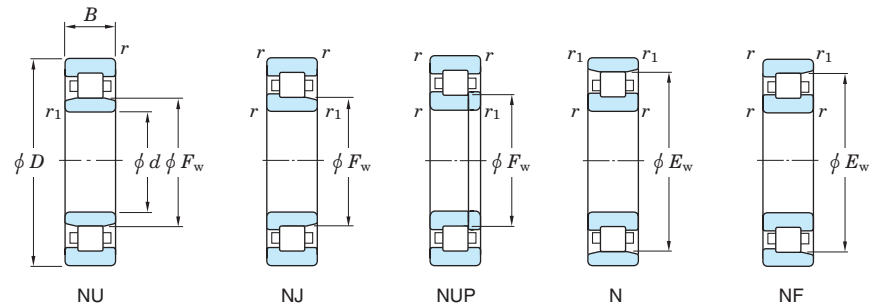
Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit	Limiting speeds (min ⁻¹)		Bearing No.					Mounting dimensions (mm)										(Refer.) Mass NU (N) (kg)	
d	D	B	r _{min.}	r _{1 min.}	F _w	E _w	C _r	C _{0r}	(kN) C _u	Grease lub.	Oil lub.	NU	NJ	NUP	N	NF	d _{a min.}	min.	d _{b max.}	d _{c min.}	d _{d min.}	D _{a max.}	max.	D _{b min.}	r _{a max.}	r _{b max.}		
30	72	30.2	1.1	1.1	42	—	86.4	74.3	9.95	7 700	12 000	NU3306	—	—	—	—	36.5	36.5	40	44	—	65.5	—	—	1	1	0.650	
	90	23	1.5	1.5	45	73	78.3	55.0	7.95	7 600	10 000	NU406	NJ406	NUP406	N406	NF406	38	38	44	47	52	82	82	74	1.5	1.5	0.753	
35	62	14	1	0.6	42	—	28.3	23.2	2.65	11 000	13 000	NU1007	—	NUP1007	—	—	40	39	41	44	—	57	—	—	1	0.5	0.182	
	72	17	1.1	0.6	—	61.8	44.6	31.5	4.70	9 500	11 000	—	—	—	N207	NF207	41.5	—	—	—	50	65.5	68	64	1	0.6	(0.293)	
	72	17	1.1	0.6	44	—	62.9	50.2	6.55	9 300	11 000	NU207R	NJ207R	NUP207R	—	—	41.5	39	43	46	50	65.5	—	—	1	0.6	0.306	
	72	23	1.1	0.6	43.8	—	61.3	51.2	7.15	8 500	11 000	NU2207	NJ2207	NUP2207	—	—	41.5	39	43	46	50	65.5	—	—	1	0.6	0.402	
	72	23	1.1	0.6	44	—	77.1	65.3	9.20	8 300	11 000	NU2207R	NJ2207R	NUP2207R	—	—	41.5	39	43	46	50	65.5	—	—	1	0.6	0.404	
	72	27	1.1	1.1	43.8	—	68.5	59.1	7.90	7 600	11 000	NU3207	—	—	—	—	41.5	41.5	43	46	—	65.5	—	—	1	0.6	0.524	
	80	21	1.5	1.1	—	68.2	62.0	46.9	6.20	7 900	10 000	—	—	—	N307	NF307	43	—	—	—	53	72	73.5	71	1.5	1	(0.477)	
	80	21	1.5	1.1	46.2	—	83.3	65.4	9.35	7 700	10 000	NU307R	NJ307R	NUP307R	—	—	43	41.5	45	48	53	72	—	—	1.5	1	0.482	
	80	31	1.5	1.1	46.2	—	75.5	65.7	7.95	7 000	10 000	NU2307	NJ2307	NUP2307	—	—	43	41.5	45	48	53	72	—	—	1.5	1	0.696	
	80	31	1.5	1.1	46.2	—	116	101	15.0	6 900	10 000	NU2307R	NJ2307R	NUP2307R	—	—	43	41.5	45	48	53	72	—	—	1.5	1	0.729	
	80	34.9	1.5	1.5	46.2	—	102	89.1	12.0	7 000	10 000	NU3307	—	—	—	—	—	43	43	45	48	—	72	—	—	1.5	1	0.908
	100	25	1.5	1.5	53	83	94.1	68.9	9.25	6 600	8 800	NU407	NJ407	NUP407	N407	NF407	43	43	52	55	61	92	92	84	1.5	1.5	1.02	
40	68	15	1	0.6	47	—	31.2	25.7	3.10	10 000	12 000	NU1008	—	NUP1008	—	—	45	44	46	49	—	63	—	—	1	0.6	0.223	
	80	18	1.1	1.1	—	70	54.7	42.9	6.15	8 300	10 000	—	—	—	N208	NF208	46.5	—	—	—	56	73.5	73.5	72	1	1	(0.374)	
	80	18	1.1	1.1	49.5	—	69.6	55.4	7.35	8 300	9 900	NU208R	NJ208R	NUP208R	—	—	46.5	46.5	49	52	56	73.5	—	—	1	1	0.384	
	80	23	1.1	1.1	50	—	72.8	62.0	8.75	7 500	10 000	NU2208	NJ2208	NUP2208	—	—	46.5	46.5	49	52	56	73.5	—	—	1	1	0.490	
	80	23	1.1	1.1	49.5	—	90.5	77.6	10.3	7 400	9 900	NU2208R	NJ2208R	NUP2208R	—	—	46.5	46.5	49	52	56	73.5	—	—	1	1	0.490	
	80	30.2	1.1	1.1	50	—	97.8	90.6	12.2	6 700	10 000	NU3208	—	—	—	—	46.5	46.5	49	52	—	73.5	—	—	1	1	0.711	
	90	23	1.5	1.5	—	77.5	73.4	56.9	7.85	6 900	9 100	—	—	—	N308	NF308	48	—	—	—	60	82	82	80	1.5	1.5	(0.646)	
	90	23	1.5	1.5	52	—	104	81.5	11.0	6 800	9 100	NU308R	NJ308R	NUP308R	—	—	48	48	51	55	60	82	—	—	1.5	1.5	0.664	
	90	33	1.5	1.5	53.5	—	103	88.0	11.6	6 100	9 100	NU2308	NJ2308	NUP2308	—	—	48	48	51	55	60	82	—	—	1.5	1.5	0.956	
	90	33	1.5	1.5	52	—	143	122	18.4	6 100	9 100	NU2308R	NJ2308R	NUP2308R	—	—	48	48	51	55	60	82	—	—	1.5	1.5	0.962	
	90	36.5	1.5	1.5	53.5	—	130	119	17.6	6 100	9 100	NU3308	—	—	—	—	—	48	48	51	55	—	82	—	—	1.5	1.5	1.19
	110	27	2	2	58	92	120	89.1	12.6	6 000	8 000	NU408	NJ408	NUP408	N408	NF408	49	49	57	60	67	101	101	93	2	2	1.30	
45	75	16	1	0.6	52.5	—	38.9	33.8	4.30	9 200	11 000	NU1009	—	NUP1009	—	—	50	49	52	54	—	70	—	—	1	0.6	0.289	

[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.

Single-row cylindrical roller bearings

d (45) ~ (55) mm



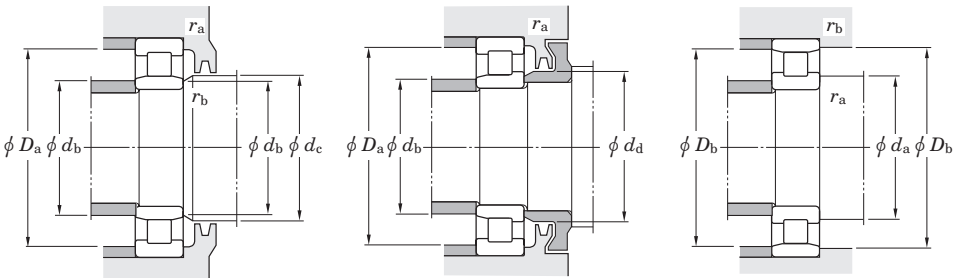
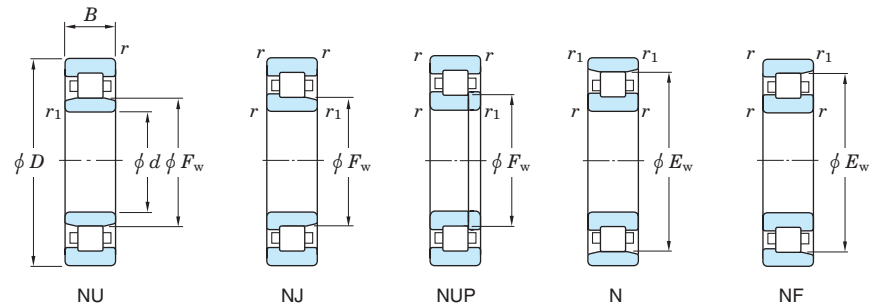
Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit	Limiting speeds (min ⁻¹)		Bearing No.					Mounting dimensions (mm)											(Refer.) Mass NU (N) (kg)
d	D	B	r _{min.}	r _{1 min.}	F _w	E _w	C _r	C _{0r}	(kN) C _u	Grease lub.	Oil lub.	NU	NJ	NUP		N	NF	d _a min.	min.	d _b max.	d _c min.	d _d min.	D _a max.	D _b max.	min.	r _a max.	r _b max.	
45	85	19	1.1	1.1	—	75	57.6	46.9	6.70	7 700	9 200	—	—	—	N209	NF209	51.5	—	—	—	61	78.5	78.5	77	1	1		(0.427)
	85	19	1.1	1.1	54.5	—	78.9	66.4	9.05	7 600	9 200	NU209R	NJ209R	NUP209R	—	—	51.5	51.5	54	57	61	78.5	—	—	1	1		0.439
	85	23	1.1	1.1	55	—	76.6	67.8	9.60	6 900	9 200	NU2209	NJ2209	NUP2209	—	—	51.5	51.5	54	57	61	78.5	—	—	1	1		0.536
	85	23	1.1	1.1	54.5	—	95.1	84.6	11.2	6 900	9 200	NU2209R	NJ2209R	NUP2209R	—	—	51.5	51.5	54	57	61	78.5	—	—	1	1		0.536
	85	30.2	1.1	1.1	55	—	103	99.0	13.3	6 100	9 200	NU3209	—	—	—	—	51.5	51.5	54	57	—	78.5	—	—	1	1		0.770
	100	25	1.5	1.5	—	86.5	98.5	77.5	11.3	6 200	8 300	—	—	—	N309	NF309	53	—	—	—	66	92	92	89	1.5	1.5		(0.865)
	100	25	1.5	1.5	58.5	—	122	98.3	13.5	6 100	8 200	NU309R	NJ309R	NUP309R	—	—	53	53	57	60	66	92	—	—	1.5	1.5		0.909
	100	36	1.5	1.5	58.5	—	124	113	14.3	5 500	8 300	NU2309	NJ2309	NUP2309	—	—	53	53	57	60	66	92	—	—	1.5	1.5		1.25
	100	36	1.5	1.5	58.5	—	172	153	23.0	5 400	8 200	NU2309R	NJ2309R	NUP2309R	—	—	53	53	57	60	66	92	—	—	1.5	1.5		1.32
	100	39.7	1.5	1.5	58.5	—	164	149	22.6	5 500	8 300	NU3309	—	—	—	—	53	53	57	60	—	92	—	—	1.5	1.5		1.59
	120	29	2	2	64.5	100.5	134	112	13.8	5 400	7 200	NU409	NJ409	NUP409	N409	NF409	54	54	63	66	74	111	111	102	2	2		1.64
50	80	16	1	0.6	57.5	—	42.2	36.8	4.80	8 400	9 900	NU1010	—	NUP1010	—	—	55	54	57	59	—	75	—	—	1	0.6		0.306
	90	20	1.1	1.1	—	80.4	60.3	51.0	7.30	7 100	8 500	—	—	—	N210	NF210	56.5	—	—	—	67	83.5	83.5	82	1	1		(0.479)
	90	20	1.1	1.1	59.5	—	82.5	71.9	9.85	7 100	8 500	NU210R	NJ210R	NUP210R	—	—	56.5	56.5	58	62	67	83.5	—	—	1	1		0.497
	90	23	1.1	1.1	60.4	—	80.3	73.6	10.4	6 400	8 500	NU2210	NJ2210	NUP2210	—	—	56.5	56.5	58	62	67	83.5	—	—	1	1		0.580
	90	23	1.1	1.1	59.5	—	99.5	91.5	12.1	6 400	8 500	NU2210R	NJ2210R	NUP2210R	—	—	56.5	56.5	58	62	67	83.5	—	—	1	1		0.580
	90	30.2	1.1	1.1	60.4	—	108	108	14.5	5 700	8 500	NU3210	—	—	—	—	56.5	56.5	58	62	—	83.5	—	—	1	1		0.829
	110	27	2	2	—	95	109	93.4	11.7	5 600	7 500	—	—	—	N310	NF310	59	—	—	—	73	101	101	98	2	2		(1.15)
	110	27	2	2	65	—	138	113	16.0	5 500	7 400	NU310R	NJ310R	NUP310R	—	—	59	59	63	67	73	101	—	—	2	2		1.15
	110	40	2	2	65	—	151	142	20.1	5 000	7 500	NU2310	NJ2310	NUP2310	—	—	59	59	63	67	73	101	—	—	2	2		1.69
	110	40	2	2	65	—	203	187	28.6	4 900	7 400	NU2310R	NJ2310R	NUP2310R	—	—	59	59	63	67	73	101	—	—	2	2		1.76
	110	44.4	2	2	65	—	195	183	27.3	5 000	7 500	NU3310	—	—	—	—	59	59	63	67	—	101	—	—	2	2		2.14
	130	31	2.1	2.1	70.8	110.8	161	136	17.4	4 900	6 600	NU410	NJ410	NUP410	N410	NF410	61	61	69	73	81	119	119	112	2	2		2.01
55	90	18	1.1	1	64.5	—	47.1	43.8	5.75	7 600	8 900	NU1011	—	NUP1011	—	—	61.5	60	63	66	—	83.5	—	—	1	1		0.445
	100	21	1.5	1.1	—	88.5	72.5	62.3	8.30	6 400	7 700	—	—	—	N211	NF211	63	—	—	—	73	92	93.5	91	1.5	1		(0.633)
	100	21	1.5	1.1	66	—	108	98.7	14.2	6 400	7 700	NU211R	NJ211R	NUP211R	—	—	63	61.5	65	68	73	92	—	—	1.5	1		0.650
	100	25	1.5	1.1	66.5	—	94.2	87.2	11.6	5 800	7 700	NU2211	NJ2211	NUP2211	—	—	63	61.5	65	68	73	92	—	—	1.5	1		0.780

[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.

Single-row cylindrical roller bearings

d (55) ~ (65) mm



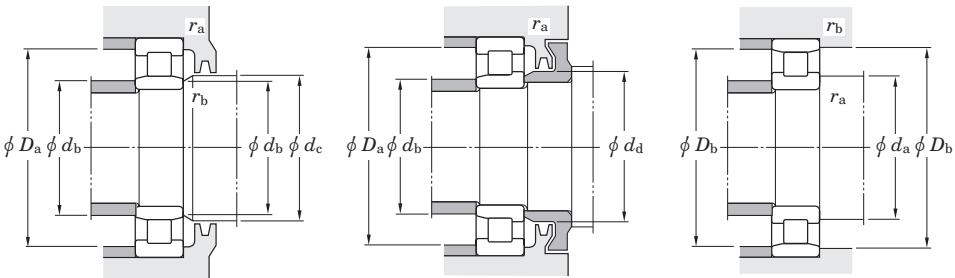
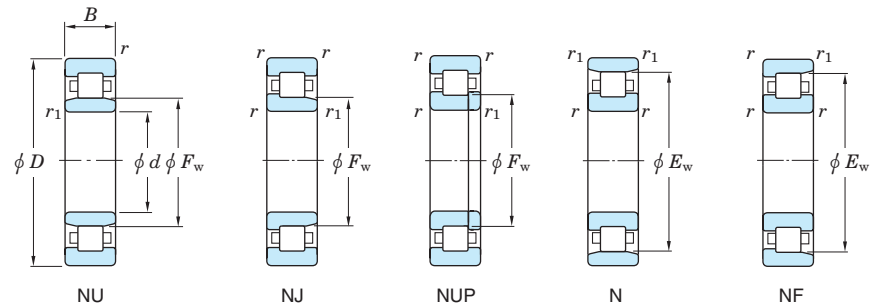
Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit	Limiting speeds (min ⁻¹)		Bearing No.					Mounting dimensions (mm)											(Refer.) Mass NU (N) (kg)
d	D	B	r _{min.}	r _{1 min.}	F _w	E _w	C _r	C _{0r}	(kN) C _u	Grease lub.	Oil lub.	NU	NJ	NUP	N	NF	d _{a min.}	d _{b min.}	d _{b max.}	d _{c min.}	d _{d min.}	D _{a max.}	D _{b max.}	D _{b min.}	r _{a max.}	r _{b max.}		
55	100	25	1.5	1.1	66	—	127	122	16.9	5 800	7 700	NU2211R	NJ2211R	NUP2211R	—	—	63	61.5	65	68	73	92	—	—	1.5	1	0.806	
	100	33.3	1.5	1.5	66.5	—	119	118	16.1	5 100	7 700	NU3211	—	—	—	—	63	63	65	68	—	92	—	—	1.5	1	1.14	
	120	29	2	2	—	104.5	138	111	15.8	5 100	6 800	—	—	—	N311	NF311	64	—	—	—	80	111	111	107	2	2	(1.44)	
	120	29	2	2	70.5	—	172	143	19.8	5 100	6 700	NU311R	NJ311R	NUP311R	—	—	64	64	69	72	80	111	—	—	2	2	1.50	
	120	43	2	2	70.5	—	185	162	24.6	4 500	6 800	NU2311	NJ2311	NUP2311	—	—	64	64	69	72	80	111	—	—	2	2	2.10	
	120	43	2	2	70.5	—	251	233	35.3	4 500	6 700	NU2311R	NJ2311R	NUP2311R	—	—	64	64	69	72	80	111	—	—	2	2	2.25	
	120	49.2	2	2	70.5	—	235	220	32.8	4 500	6 800	NU3311	—	—	—	—	64	64	69	72	—	111	—	—	2	2	2.81	
	140	33	2.1	2.1	77.2	117.2	174	138	19.6	4 600	6 100	NU411	NJ411	NUP411	N411	NF411	66	66	76	79	87	129	129	119	2	2	2.51	
60	95	18	1.1	1	69.5	—	53.0	50.0	6.75	7 000	8 300	NU1012	—	NUP1012	—	—	66.5	65	68	71	—	88.5	—	—	1	1	0.477	
	110	22	1.5	1.5	—	97.5	85.7	79.9	10.4	5 800	7 000	—	—	—	N212	NF212	68	—	—	—	80	102	102	100	1.5	1.5	(0.823)	
	110	22	1.5	1.5	72	—	122	107	15.7	5 800	6 900	NU212R	NJ212R	NUP212R	—	—	68	68	71	75	80	102	—	—	1.5	1.5	0.830	
	110	28	1.5	1.5	73.5	—	120	123	15.3	5 200	7 000	NU2212	NJ2212	NUP2212	—	—	68	68	71	75	80	102	—	—	1.5	1.5	1.07	
	110	28	1.5	1.5	72	—	164	157	21.7	5 200	6 900	NU2212R	NJ2212R	NUP2212R	—	—	68	68	71	75	80	102	—	—	1.5	1.5	1.09	
	110	36.5	1.5	1.5	73.5	—	160	167	24.7	4 700	7 000	NU3212	—	—	—	—	68	68	71	75	—	102	—	—	1.5	1.5	1.52	
	130	31	2.1	2.1	—	113	155	126	17.3	4 700	6 300	—	—	—	N312	NF312	71	—	—	—	86	119	119	116	2	2	(1.83)	
	130	31	2.1	2.1	77	—	187	157	22.1	4 600	6 200	NU312R	NJ312R	NUP312R	—	—	71	71	75	79	86	119	—	—	2	2	1.87	
	130	46	2.1	2.1	77	—	211	188	29.4	4 200	6 300	NU2312	NJ2312	NUP2312	—	—	71	71	75	79	86	119	—	—	2	2	2.69	
	130	46	2.1	2.1	77	—	278	262	39.6	4 100	6 200	NU2312R	NJ2312R	NUP2312R	—	—	71	71	75	79	86	119	—	—	2	2	2.81	
	130	54	2.1	2.1	77	—	275	265	39.9	4 200	6 300	NU3312	—	—	—	—	71	71	75	79	—	119	—	—	2	2	3.61	
	150	35	2.1	2.1	83	127	209	184	26.1	4 200	5 700	NU412	NJ412	NUP412	N412	NF412	71	71	82	85	94	139	139	128	2	2	3.02	
65	100	18	1.1	1	74.5	—	54.4	52.9	7.15	6 600	7 800	NU1013	—	NUP1013	—	—	71.5	70	73	76	—	93.5	—	—	1	1	0.506	
	120	23	1.5	1.5	—	105.6	105	94.4	13.5	5 400	6 400	—	—	—	N213	NF213	73	—	—	—	87	112	112	108	1.5	1.5	(1.05)	
	120	23	1.5	1.5	78.5	—	134	119	16.1	5 300	6 400	NU213R	NJ213R	NUP213R	—	—	73	73	77	81	87	112	—	—	1.5	1.5	1.05	
	120	31	1.5	1.5	79.6	—	150	149	20.6	4 800	6 400	NU2213	NJ2213	NUP2213	—	—	73	73	77	81	87	112	—	—	1.5	1.5	1.43	
	120	31	1.5	1.5	78.5	—	186	181	27.7	4 800	6 400	NU2213R	NJ2213R	NUP2213R	—	—	73	73	77	81	87	112	—	—	1.5	1.5	1.45	
	120	38.1	1.5	1.5	79.6	—	186	197	29.7	4 300	6 400	NU3213	—	—	—	—	73	73	77	81	—	112	—	—	1.5	1.5	1.90	
	140	33	2.1	2.1	—	121.5	169	139	19.2	4 300	5 800	—	—	—	N313	NF313	76	—	—	—	93	129	129	125	2	2	(2.19)	

[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.

Single-row cylindrical roller bearings

d (65) ~ (75) mm



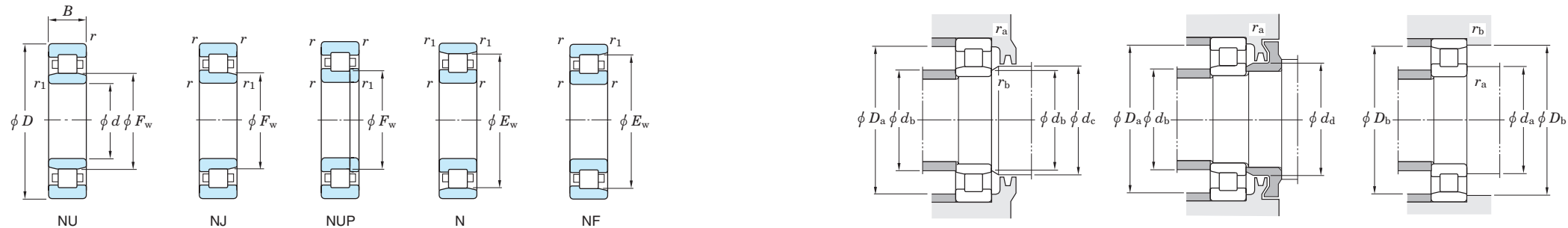
Boundary dimensions (mm)								Basic load ratings (kN)		Fatigue load limit (kN) C _u	Limiting speeds (min ⁻¹)		Bearing No.					Mounting dimensions (mm)										(Refer.) Mass NU (N) (kg)
d	D	B	r min.	r ₁ min.	F _w	E _w	C _r	C _{0r}			Grease lub.	Oil lub.	NU	NJ	NUP	N	NF	d _a min.	d _b min.	d _b max.	d _c min.	d _d min.	D _a max.	D _b max.	r _a min.	r _b max.		
65	140	33	2.1	2.1	82.5	—	226	191	29.8	4 300	5 700		NU313R	NJ313R	NUP313R	—	—	76	76	81	85	93	129	—	—	2	2	2.31
	140	48	2.1	2.1	83.5	—	235	212	32.9	3 900	5 800		NU2313	NJ2313	NUP2313	—	—	76	76	81	85	93	129	—	—	2	2	3.25
	140	48	2.1	2.1	82.5	—	310	287	43.3	3 800	5 700		NU2313R	NJ2313R	NUP2313R	—	—	76	76	81	85	93	129	—	—	2	2	3.36
	140	58.7	2.1	2.1	83.5	—	302	294	43.9	3 900	5 800		NU3313	—	—	—	—	76	76	81	85	—	129	—	—	2	2	4.53
	160	37	2.1	2.1	89.3	135.3	228	203	28.2	4 000	5 300		NU413	NJ413	NUP413	N413	NF413	76	76	88	91	100	149	149	137	2	2	3.58
70	110	20	1.1	1	80	—	72.9	70.4	10.1	6 100	7 200		NU1014	—	NUP1014	—	—	76.5	75	78	82	—	103.5	—	—	1	1	0.702
	125	24	1.5	1.5	—	110.5	104	95.2	13.6	5 100	6 100		—	—	—	N214	NF214	78	—	—	—	92	117	117	114	1.5	1.5	(1.15)
	125	24	1.5	1.5	83.5	—	148	137	19.0	5 000	6 000		NU214R	NJ214R	NUP214R	—	—	78	78	82	86	92	117	—	—	1.5	1.5	1.16
	125	31	1.5	1.5	84.5	—	149	151	20.8	4 600	6 100		NU2214	NJ2214	NUP2214	—	—	78	78	82	86	92	117	—	—	1.5	1.5	1.52
	125	31	1.5	1.5	83.5	—	194	194	29.8	4 500	6 000		NU2214R	NJ2214R	NUP2214R	—	—	78	78	82	86	92	117	—	—	1.5	1.5	1.53
	125	39.7	1.5	1.5	84.5	—	185	198	30.0	4 100	6 100		NU3214	—	—	—	—	78	78	82	86	—	117	—	—	1.5	1.5	2.09
	150	35	2.1	2.1	—	130	198	168	23.3	4 000	5 400		—	—	—	N314	NF314	81	—	—	—	100	139	139	134	2	2	(2.73)
	150	35	2.1	2.1	89	—	256	222	33.4	4 000	5 300		NU314R	NJ314R	NUP314R	—	—	81	81	87	92	100	139	—	—	2	2	2.81
	150	51	2.1	2.1	90	—	279	262	39.3	3 600	5 400		NU2314	NJ2314	NUP2314	—	—	81	81	87	92	100	139	—	—	2	2	3.97
	150	51	2.1	2.1	89	—	342	323	47.1	3 600	5 300		NU2314R	NJ2314R	NUP2314R	—	—	81	81	87	92	100	139	—	—	2	2	4.08
	150	63.5	2.1	2.1	90	—	354	356	51.5	3 600	5 400		NU3314	—	—	—	—	81	81	87	92	—	139	—	—	2	2	5.62
	180	42	3	3	100	152	285	257	35.2	3 500	4 700		NU414	NJ414	NUP414	N414	NF414	83	83	99	102	112	167	167	153	2.5	2.5	5.26
75	115	20	1.1	1	85	—	80.0	78.1	10.2	5 700	6 800		NU1015	—	NUP1015	—	—	81.5	80	83	87	—	108.5	—	—	1	1	0.735
	130	25	1.5	1.5	—	116.5	121	118	16.1	4 800	5 800		—	—	—	N215	NF215	83	—	—	—	96	122	122	120	1.5	1.5	(1.24)
	130	25	1.5	1.5	88.5	—	163	156	21.9	4 800	5 700		NU215R	NJ215R	NUP215R	—	—	83	83	87	90	96	122	—	—	1.5	1.5	1.29
	130	31	1.5	1.5	88.5	—	162	172	22.3	4 300	5 800		NU2215	NJ2215	NUP2215	—	—	83	83	87	90	96	122	—	—	1.5	1.5	1.57
	130	31	1.5	1.5	88.5	—	202	207	31.5	4 300	5 700		NU2215R	NJ2215R	NUP2215R	—	—	83	83	87	90	96	122	—	—	1.5	1.5	1.61
	130	41.3	1.5	1.5	88.5	—	210	226	34.1	3 900	5 800		NU3215	—	—	—	—	83	83	87	90	—	122	—	—	1.5	1.5	2.28
	160	37	2.1	2.1	—	139.5	224	205	28.4	3 800	5 000		—	—	—	N315	NF315	86	—	—	—	106	149	149	143	2	2	(3.19)
	160	37	2.1	2.1	95	—	300	263	39.9	3 700	5 000		NU315R	NJ315R	NUP315R	—	—	86	86	93	97	106	149	—	—	2	2	3.37
	160	55	2.1	2.1	95.5	—	323	327	43.4	3 400	5 000		NU2315	NJ2315	NUP2315	—	—	86	86	93	97	106	149	—	—	2	2	4.84
	160	55	2.1	2.1	95	—	412	395	57.3	3 300	5 000		NU2315R	NJ2315R	NUP2315R	—	—	86	86	93	97	106	149	—	—	2	2	5.00

[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.

Single-row cylindrical roller bearings

d (75) ~ (90) mm



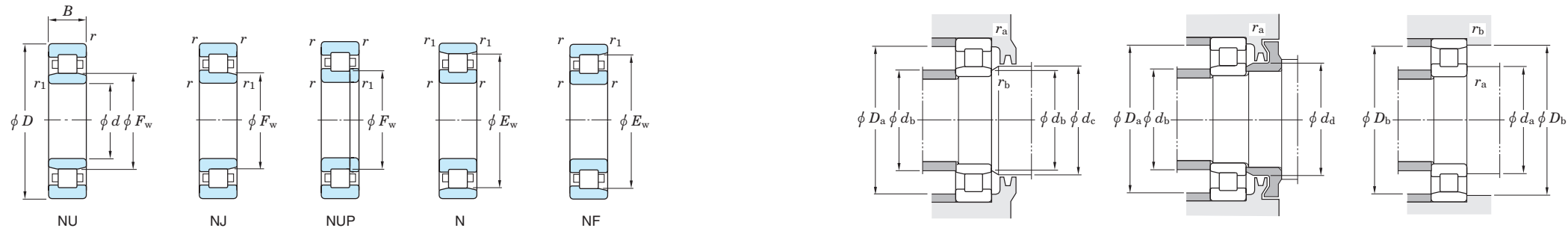
Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit	Limiting speeds (min ⁻¹)		Bearing No.					Mounting dimensions (mm)											(Refer.) Mass NU (N) (kg)
d	D	B	r min.	r ₁ min.	F _w	E _w	C _r	C _{0r}	(kN) C _u	Grease lub.	Oil lub.	NU	NJ	NUP	N	NF	d _a min.	min.	d _b max.	d _c min.	d _d min.	D _a max.	D _b max.	min.	r _a max.	r _b max.		
75	160	68.3	2.1	2.1	95.5	—	423	430	62.1	3 400	5 000	NU3315	—	—	—	—	86	86	93	97	—	149	—	—	2	2	6.86	
	190	45	3	3	104.5	160.5	328	274	40.2	3 300	4 400	NU415	NJ415	NUP415	N415	NF415	88	88	103	107	118	177	177	162	2.5	2.5	6.25	
80	125	22	1.1	1	91.5	—	87.2	86.4	11.5	5 300	6 300	NU1016	—	NUP1016	—	—	86.5	85	90	94	—	118.5	—	—	1	1	0.994	
	140	26	2	2	—	125.3	133	122	16.2	4 500	5 400	—	—	—	N216	NF216	89	—	—	—	104	131	131	128	2	2	(1.51)	
	140	26	2	2	95.3	—	174	167	23.0	4 400	5 300	NU216R	NJ216R	NUP216R	—	—	89	89	94	97	104	131	—	—	2	2	1.56	
	140	33	2	2	95.3	—	184	186	27.8	4 000	5 400	NU2216	NJ2216	NUP2216	—	—	89	89	94	97	104	131	—	—	2	2	1.96	
	140	33	2	2	95.3	—	233	243	35.8	4 000	5 300	NU2216R	NJ2216R	NUP2216R	—	—	89	89	94	97	104	131	—	—	2	2	2.03	
	140	44.4	2	2	95.3	—	238	259	37.8	3 600	5 400	NU3216	—	—	—	—	89	89	94	97	—	131	—	—	2	2	2.87	
	170	39	2.1	2.1	—	147	238	207	30.7	3 500	4 700	—	—	—	N316	NF316	91	—	—	—	114	159	159	151	2	2	(3.83)	
	170	39	2.1	2.1	101	—	320	282	42.1	3 500	4 700	NU316R	NJ316R	NUP316R	—	—	91	91	99	105	114	159	—	—	2	2	4.00	
	170	58	2.1	2.1	103	—	343	332	46.9	3 100	4 700	NU2316	NJ2316	NUP2316	—	—	91	91	99	105	114	159	—	—	2	2	5.83	
	170	58	2.1	2.1	101	—	445	431	61.1	3 100	4 700	NU2316R	NJ2316R	NUP2316R	—	—	91	91	99	105	114	159	—	—	2	2	5.95	
	170	68.3	2.1	2.1	103	—	423	436	61.9	3 100	4 700	NU3316	—	—	—	—	91	91	99	105	—	159	—	—	2	2	7.72	
	200	48	3	3	110	170	374	315	45.2	3 100	4 200	NU416	NJ416	NUP416	N416	NF416	93	93	109	112	124	187	187	172	2.5	2.5	7.28	
	85	130	22	1.1	1	96.5	—	89.8	91.2	12.0	5 100	6 000	NU1017	—	NUP1017	—	—	91.5	90	95	99	—	123.5	—	—	1	1	1.04
		150	28	2	2	—	133.8	151	140	18.7	4 200	5 000	—	—	—	N217	NF217	94	—	—	—	110	141	141	137	2	2	(1.90)
150		28	2	2	100.5	—	209	199	26.3	4 200	5 000	NU217R	NJ217R	NUP217R	—	—	94	94	99	104	110	141	—	—	2	2	1.94	
150		36	2	2	101.8	—	212	218	31.6	3 800	5 000	NU2217	NJ2217	NUP2217	—	—	94	94	99	104	110	141	—	—	2	2	2.50	
150		36	2	2	100.5	—	272	279	41.6	3 700	5 000	NU2217R	NJ2217R	NUP2217R	—	—	94	94	99	104	110	141	—	—	2	2	2.53	
150		49.2	2	2	101.8	—	269	296	42.1	3 300	5 000	NU3217	—	—	—	—	94	94	99	104	—	141	—	—	2	2	3.67	
180		41	3	3	—	156	281	247	35.6	3 300	4 500	—	—	—	N317	NF317	98	—	—	—	119	167	167	160	2.5	2.5	(4.52)	
180		41	3	3	108	—	364	330	48.3	3 300	4 400	NU317R	NJ317R	NUP317R	—	—	98	98	106	110	119	167	—	—	2.5	2.5	4.80	
180		60	3	3	108	—	394	382	54.2	3 000	4 500	NU2317	NJ2317	NUP2317	—	—	98	98	106	110	119	167	—	—	2.5	2.5	6.62	
180		60	3	3	108	—	491	485	67.7	2 900	4 400	NU2317R	NJ2317R	NUP2317R	—	—	98	98	106	110	119	167	—	—	2.5	2.5	6.98	
180		73	3	3	108	—	499	517	71.5	3 000	4 500	NU3317	—	—	—	—	98	98	106	110	—	167	—	—	2.5	2.5	9.23	
210		52	4	4	113	177	416	350	49.7	3 000	4 000	NU417	NJ417	NUP417	N417	NF417	101	101	111	115	128	194	194	179	3	3	8.68	
90	140	24	1.5	1.1	103	—	106	109	14.6	4 700	5 600	NU1018	—	NUP1018	—	—	98	96.5	101	106	—	132	—	—	1.5	1	1.34	

[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.

Single-row cylindrical roller bearings

d (90) ~ (100) mm



Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit	Limiting speeds (min ⁻¹)		Bearing No.					Mounting dimensions (mm)											(Refer.) Mass NU (N) (kg)
d	D	B	r _{min.}	r _{1 min.}	F _w	E _w	C _r	C _{0r}	(kN) C _u	Grease lub.	Oil lub.	NU	NJ	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.}	
90	160	30	2	2	—	143	190	178	22.9	3 900	4 700	—	—	—	N218	NF218	99	—	—	—	116	151	151	146	2	2		(2.32)
	160	30	2	2	107	—	227	217	28.7	3 900	4 700	NU218R	NJ218R	NUP218R	—	—	99	99	105	109	116	151	—	—	2	2		2.38
	160	40	2	2	107	—	259	265	38.9	3 500	4 700	NU2218	NJ2218	NUP2218	—	—	99	99	105	109	116	151	—	—	2	2		3.10
	160	40	2	2	107	—	302	314	45.8	3 500	4 700	NU2218R	NJ2218R	NUP2218R	—	—	99	99	105	109	116	151	—	—	2	2		3.21
	160	52.4	2	2	107	—	338	373	52.8	3 100	4 700	NU3218	—	—	—	—	99	99	105	109	—	151	—	—	2	2		4.49
	190	43	3	3	—	165	300	265	38.7	3 100	4 200	—	—	—	N318	NF318	103	—	—	—	127	177	177	169	2.5	2.5		(5.27)
	190	43	3	3	113.5	—	395	355	50.6	3 100	4 100	NU318R	NJ318R	NUP318R	—	—	103	103	111	117	127	177	—	—	2.5	2.5		5.47
	190	64	3	3	115	—	408	395	55.5	2 800	4 200	NU2318	NJ2318	NUP2318	—	—	103	103	111	117	127	177	—	—	2.5	2.5		7.90
	190	64	3	3	113.5	—	544	534	74.5	2 800	4 100	NU2318R	NJ2318R	NUP2318R	—	—	103	103	111	117	127	177	—	—	2.5	2.5		8.12
	190	73	3	3	115	—	535	559	75.6	2 800	4 200	NU3318	—	—	—	—	103	103	111	117	—	177	—	—	2.5	2.5		10.3
	225	54	4	4	123.5	191.5	468	400	55.1	2 800	3 700	NU418	NJ418	NUP418	N418	NF418	106	106	122	125	139	209	209	194	3	3		10.3
95	145	24	1.5	1.1	108	—	110	115	15.2	4 500	5 300	NU1019	—	NUP1019	—	—	103	101.5	106	111	—	137	—	—	1.5	1		1.40
	170	32	2.1	2.1	—	151.5	207	195	25.1	3 700	4 400	—	—	—	N219	NF219	106	—	—	—	123	159	159	155	2	2		(2.80)
	170	32	2.1	2.1	112.5	—	275	265	38.3	3 700	4 400	NU219R	NJ219R	NUP219R	—	—	106	106	111	116	123	159	—	—	2	2		2.92
	170	43	2.1	2.1	113.5	—	288	298	42.9	3 300	4 400	NU2219	NJ2219	NUP2219	—	—	106	106	111	116	123	159	—	—	2	2		3.85
	170	43	2.1	2.1	112.5	—	358	371	52.8	3 300	4 400	NU2219R	NJ2219R	NUP2219R	—	—	106	106	111	116	123	159	—	—	2	2		3.93
	170	55.6	2.1	2.1	113.5	—	371	412	57.2	3 000	4 400	NU3219	—	—	—	—	106	106	111	116	—	159	—	—	2	2		5.42
	200	45	3	3	—	173.5	323	311	41.3	3 000	4 000	—	—	—	N319	NF319	108	—	—	—	134	187	187	178	2.5	2.5		(6.10)
	200	45	3	3	121.5	—	418	387	54.3	2 900	3 900	NU319R	NJ319R	NUP319R	—	—	108	108	119	124	134	187	—	—	2.5	2.5		6.42
	200	67	3	3	121.5	—	465	496	62.6	2 600	4 000	NU2319	NJ2319	NUP2319	—	—	108	108	119	124	134	187	—	—	2.5	2.5		9.39
	200	77.8	3	3	121.5	—	609	654	86.8	2 600	4 000	NU3319	—	—	—	—	108	108	119	124	—	187	—	—	2.5	2.5		12.1
	240	55	4	4	133.5	201.5	502	444	60.1	2 600	3 400	NU419	NJ419	NUP419	N419	NF419	111	111	132	136	149	224	224	204	3	3		13.6
100	150	24	1.5	1.1	113	—	114	120	15.8	4 300	5 100	NU1020	—	NUP1020	—	—	108	106.5	111	116	—	142	—	—	1.5	1		1.46
	180	34	2.1	2.1	—	160	229	217	28.1	3 500	4 200	—	—	—	N220	NF220	111	—	—	—	130	169	169	164	2	2		(3.38)
	180	34	2.1	2.1	119	—	312	306	43.0	3 500	4 200	NU220R	NJ220R	NUP220R	—	—	111	111	117	122	130	169	—	—	2	2		3.52
	180	46	2.1	2.1	120	—	322	338	47.3	3 100	4 200	NU2220	NJ2220	NUP2220	—	—	111	111	117	122	130	169	—	—	2	2		4.67
	180	46	2.1	2.1	119	—	417	444	60.7	3 100	4 200	NU2220R	NJ2220R	NUP2220R	—	—	111	111	117	122	130	169	—	—	2	2		4.82

[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.