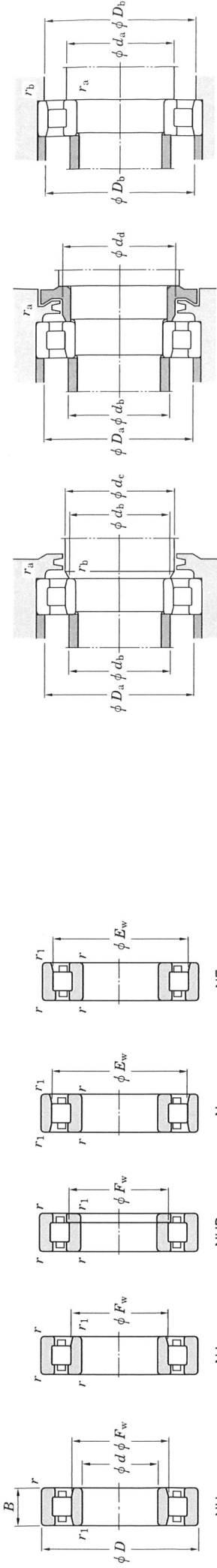


Single-row cylindrical roller bearings

d (45) ~ (55) mm



d	Boundary dimensions (mm)			Basic load ratings (kN)		Fatigue load limit (kN) C <sub>u</sub>	Limiting speeds (min <sup>-1</sup> )		Bearing No.			Mounting dimensions (mm)								(Refer.) Mass NU (N) (kg)				
	D	B	r min.	C <sub>r</sub>	C <sub>0r</sub>		Grease lub.	Oil lub.	NU	NJ	NUP	N	NF	d <sub>a</sub> min.	d <sub>b</sub> min.	d <sub>c</sub> min.	d <sub>d</sub> min.	D <sub>a</sub> max.	D <sub>b</sub> max.		r <sub>a</sub> max.	r <sub>b</sub> max.		
45	85	19	1.1	57.6	46.9	6.70	7 700	9 200	—	—	—	N209	51.5	—	—	61	78.5	78.5	77	1	1	(0.427)		
	85	19	1.1	78.9	66.4	9.05	7 600	9 200	NU209R	—	—	NUP209R	51.5	51.5	54	57	61	78.5	—	—	1	1	0.439	
	85	23	1.1	76.6	67.8	9.60	6 900	9 200	NU2209	—	—	NUP2209	51.5	51.5	54	57	61	78.5	—	—	1	1	0.536	
	85	23	1.1	95.1	84.6	11.2	6 900	9 200	NU2209R	—	—	NUP2209R	51.5	51.5	54	57	61	78.5	—	—	1	1	0.536	
	85	30.2	1.1	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	98.5	77.5	11.3	6 200	8 300	—	—	—	N309	53	—	—	66	92	92	89	1.5	1.5	—	—	(0.865)
	100	25	1.5	122	98.3	13.5	6 100	8 200	NU309R	—	—	NUP309R	53	53	57	60	66	92	—	—	1.5	1.5	0.909	
	100	36	1.5	124	113	14.3	5 500	8 300	NU2309	—	—	NUP2309	53	53	57	60	66	92	—	—	1.5	1.5	1.25	
	100	36	1.5	172	153	23.0	5 400	8 200	NU2309R	—	—	NUP2309R	53	53	57	60	66	92	—	—	1.5	1.5	1.32	
	100	39.7	1.5	164	149	22.6	5 500	8 300	NU3309	—	—	—	53	53	57	60	—	92	—	—	1.5	1.5	1.59	
120	29	2	134	112	13.8	5 400	7 200	NU409	—	—	NUP409	54	54	63	66	74	111	111	102	2	2	1.64		
50	80	16	1	42.2	36.8	4.80	8 400	9 900	NU1010	—	—	—	55	54	57	59	75	—	—	—	1	0.6	0.306	
	90	20	1.1	60.3	51.0	7.30	7 100	8 500	—	—	N210	56.5	—	—	67	83.5	83.5	82	1	1	—	—	(0.479)	
	90	20	1.1	82.5	71.9	9.85	7 100	8 500	NU210R	—	—	NUP210R	56.5	56.5	58	62	67	83.5	—	—	1	1	0.497	
	90	23	1.1	80.3	73.6	10.4	6 400	8 500	NU2210	—	—	—	56.5	56.5	58	62	67	83.5	—	—	1	1	0.580	
	90	23	1.1	99.5	91.5	12.1	6 400	8 500	NU2210R	—	—	NUP2210R	56.5	56.5	58	62	67	83.5	—	—	1	1	0.580	
	90	30.2	1.1	108	108	14.5	5 700	8 500	NU3210	—	—	—	56.5	56.5	58	62	—	83.5	—	—	1	1	0.829	
	110	27	2	109	93.4	11.7	5 600	7 500	—	—	—	N310	59	—	—	73	101	101	98	2	2	—	—	(1.15)
	110	27	2	138	113	16.0	5 500	7 400	NU310R	—	—	NUP310R	59	59	63	67	73	101	—	—	2	2	1.15	
	110	40	2	151	142	20.1	5 000	7 500	NU2310	—	—	—	59	59	63	67	73	101	—	—	2	2	1.69	
	110	40	2	203	187	28.6	4 900	7 400	NU2310R	—	—	NUP2310R	59	59	63	67	73	101	—	—	2	2	1.76	
110	44.4	2	195	183	27.3	5 000	7 500	NU3310	—	—	—	59	59	63	67	—	101	—	—	2	2	2.14		
130	31	2.1	161	136	17.4	4 900	6 600	NU410	—	—	NUP410	61	61	69	73	81	119	119	112	2	2	2.01		
55	90	18	1.1	47.1	43.8	5.75	7 600	8 900	NU1011	—	—	—	61.5	60	63	66	—	83.5	—	—	1	1	0.445	
	100	21	1.5	72.5	62.3	8.30	6 400	7 700	—	—	N211	63	—	—	73	92	93.5	91	1.5	1.5	—	—	(0.633)	
	100	21	1.5	108	98.7	14.2	6 400	7 700	NU211R	—	—	NUP211R	63	61.5	65	68	73	92	—	—	1.5	1.5	0.650	
	100	25	1.5	94.2	87.2	11.6	5 800	7 700	NU2211	—	—	NUP2211	63	61.5	65	68	73	92	—	—	1.5	1.5	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.