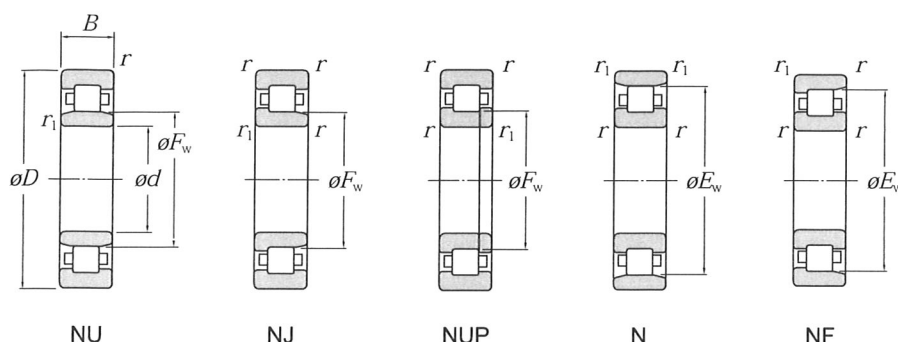


Cylindrical roller bearings

d 20 – (45) mm



Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.					(Refer.) Mass NU (kg)
<i>d</i>	<i>D</i>	<i>B</i>	<i>r</i> min.	<i>r</i> ₁ min.	<i>F</i> _W	<i>E</i> _W	<i>C</i> _r	<i>C</i> _{0r}	Grease lub.	Oil lub.	NU	NJ	NUP	N	NF	
20	47	14	1	0.6	27	40	15.4	12.7	15 000	18 000	NU204	NJ	NUP	N	NF	0.108
	47	18	1	0.6	27	—	20.7	18.4	13 000	18 000	NU2204	NJ	—	—	—	0.146
	52	15	1.1	0.6	28.5	44.5	23.1	19.2	12 000	16 000	NU304	NJ	NUP	N	NF	0.147
	52	21	1.1	0.6	28.5	—	32.9	30.2	11 000	16 000	NU2304	—	—	—	—	0.212
25	47	12	0.6	0.3	30.5	—	14.3	13.1	15 000	18 000	NU1005	—	—	—	—	0.084
	52	15	1	0.6	32	45	17.7	15.7	13 000	16 000	NU205	NJ	NUP	N	NF	0.132
	52	18	1	0.6	32	—	23.7	22.8	12 000	16 000	NU2205	NJ	NUP	—	—	0.163
	62	17	1.1	1.1	35	53	29.3	25.2	10 000	14 000	NU305	NJ	NUP	N	NF	0.241
30	62	24	1.1	1.1	35	—	42.7	40.9	9 100	14 000	NU2305	NJ	NUP	—	—	0.340
	55	13	1	0.6	36.5	—	18.7	18.4	13 000	15 000	NU1006	—	—	—	—	0.121
	62	16	1	0.6	38.5	53.5	23.5	21.5	11 000	13 000	NU206	NJ	NUP	N	NF	0.200
	62	20	1	0.6	38.5	—	32.9	33.1	9 800	13 000	NU2206	NJ	NUP	—	—	0.262
	72	19	1.1	1.1	42	62	38.6	35.2	8 700	12 000	NU306	NJ	NUP	N	NF	0.358
	72	27	1.1	1.1	42	—	51.4	50.8	7 700	12 000	NU2306	NJ	NUP	—	—	0.500
	90	23	1.5	1.5	45	73	62.8	55.0	7 600	10 000	NU406	NJ	—	—	NF	0.753
	62	14	1	0.6	42	—	22.6	23.2	11 000	13 000	NU1007	—	—	—	—	0.182
35	72	17	1.1	0.6	43.8	61.8	33.6	31.5	9 500	11 000	NU207	NJ	NUP	N	NF	0.293
	72	23	1.1	0.6	43.8	—	49.0	51.2	8 500	11 000	NU2207	NJ	NUP	—	—	0.402
	80	21	1.5	1.1	46.2	68.2	49.6	46.9	7 900	10 000	NU307	NJ	NUP	N	NF	0.477
	80	31	1.5	1.1	46.2	—	64.4	65.7	7 000	10 000	NU2307	NJ	NUP	—	—	0.696
	100	25	1.5	1.5	53	83	75.2	68.9	6 600	8 800	NU407	NJ	—	—	NF	1.02
	68	15	1	0.6	47	—	24.9	25.7	10 000	12 000	NU1008	—	—	—	—	0.223
40	80	18	1.1	1.1	50	70	43.8	42.9	8 300	10 000	NU208	NJ	NUP	N	NF	0.366
	80	23	1.1	1.1	50	—	58.3	62.0	7 500	10 000	NU2208	NJ	NUP	—	—	0.490
	90	23	1.5	1.5	53.5	77.5	58.6	56.9	6 900	9 100	NU308	NJ	NUP	N	NF	0.657
	90	33	1.5	1.5	53.5	—	82.2	88.0	6 100	9 100	NU2308	NJ	NUP	—	—	0.956
	110	27	2	2	58	92	97.1	89.1	6 000	8 000	NU408	NJ	—	N	NF	1.30
	75	16	1	0.6	52.5	—	31.0	33.8	9 200	11 000	NU1009	—	—	—	—	0.289
45	85	19	1.1	1.1	55	75	46.1	46.9	7 700	9 200	NU209	NJ	NUP	N	NF	0.427
	85	23	1.1	1.1	55	—	61.4	67.8	6 900	9 200	NU2209	NJ	NUP	—	—	0.536
	100	25	1.5	1.5	58.5	86.5	78.8	77.5	6 200	8 300	NU309	NJ	NUP	N	NF	0.870

Remarks) Standard cage types used for the above bearings are shown in Table 1 earlier in this section. Please note that basic load ratings and rotation speed limits shown above indicate the value applicable to machined cage. When bearings with pressed cage are used, consult Koyo.