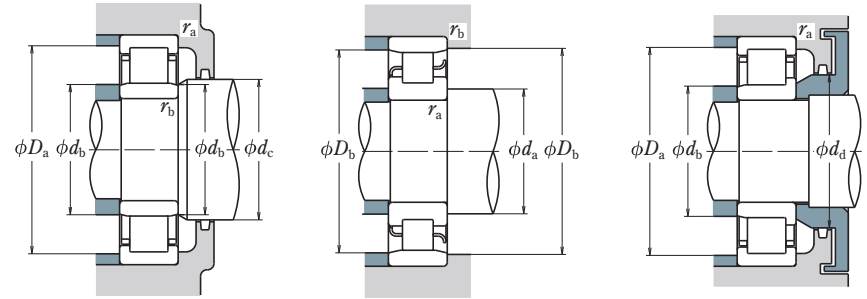
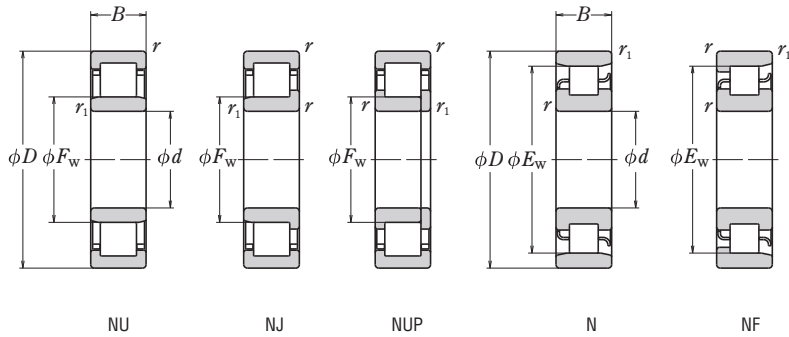


SINGLE-ROW CYLINDRICAL ROLLER BEARINGS

Bore Diameter 20 – 30 mm



Boundary Dimensions (mm)							Basic Load Ratings ⁽⁶⁾ (N)		Speeds ⁽⁵⁾ (min ⁻¹)			
<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}	Limiting Speeds			
									Thermal Speed Rating (Oil Bath)	Mechanical (Forced Oil Circulation)	Grease	Oil (Oil Bath)
20	47	14	1	0.6	—	40	19 000	12 700	18 000	—	12 000	14 000
	47	14	1	0.6	26.5	—	31 500	22 600	16 000	19 000	13 000	16 000
	47	18	1	0.6	27	—	25 400	18 400	19 000	—	11 000	13 000
	52	15	1.1	0.6	—	44.5	26 300	17 300	14 000	—	10 000	12 000
	52	15	1.1	0.6	27.5	—	39 000	26 900	13 000	18 000	12 000	15 000
	52	21	1.1	0.6	28.5	—	40 500	30 000	14 000	—	11 000	14 000
	52	21	1.1	0.6	27.5	—	51 500	39 000	13 000	—	11 000	14 000
	25	47	12	0.6	0.3	30.5	17 600	13 100	15 000	—	15 000	18 000
	52	15	1	0.6	—	45	21 800	15 700	16 000	—	10 000	12 000
	52	15	1	0.6	31.5	—	36 000	27 700	14 000	20 000	12 000	14 000
25	52	18	1	0.6	31.5	—	43 000	34 500	14 000	17 000	12 000	14 000
	62	17	1.1	1.1	—	53	36 000	25 200	12 000	—	8 000	10 000
	62	17	1.1	1.1	34	—	51 000	37 500	11 000	18 000	10 000	12 000
	62	24	1.1	1.1	34	—	70 000	56 000	11 000	15 000	9 000	11 000
	30	55	13	1	0.6	36.5	24 200	19 600	13 000	—	12 000	15 000
	62	16	1	0.6	—	53.5	30 500	23 300	13 000	—	8 500	10 000
30	62	16	1	0.6	37.5	—	48 000	37 500	12 000	17 000	9 500	12 000
	62	20	1	0.6	37.5	—	60 000	50 000	12 000	14 000	9 500	12 000
	72	19	1.1	1.1	—	62	47 500	35 000	10 000	—	7 100	8 500
	72	19	1.1	1.1	40.5	—	65 500	50 000	9 500	16 000	8 500	10 000
	72	27	1.1	1.1	40.5	—	92 000	77 500	9 500	13 000	8 000	9 500

- Notes** (1) Cage designation (M) is usually omitted from the bearing designation.
 (2) When L-shaped thrust collars (see Pages C156-C157) are used, the bearings are considered the NH type.
 (3) If axial loads are applied, increase *d*_a and reduce *D*_a from the values listed above.

Bearing Designations		Abutment and Fillet Dimensions (mm)												Mass (kg)
Cage ⁽¹⁾ Standard Option		(2)												approx.
		NU	NJ	NUP	N	NF	<i>d</i> _a ⁽³⁾ min.	<i>d</i> _b min.	<i>d</i> _b ⁽⁴⁾ max.	<i>d</i> _c min.	<i>d</i> _a min.	<i>D</i> _a ⁽³⁾ max.	<i>D</i> _b max.	
N 204 NU204E NU2204	W	—	—	—	N	NF	25	—	—	—	—	43	42	0.107
	T	T7	NU	NJ	NUP	—	25	24	25	29	32	42	—	0.107
	M	—	NU	NJ	—	—	25	24	25	29	32	42	—	0.144
N 304 NU304E NU2304 NU2304E	W	—	—	—	N	NF	26.5	—	—	—	—	48	46	0.148
	T	T7	NU	NJ	NUP	—	26.5	24	26	30	33	45.5	—	0.145
	M	—	NU	NJ	NUP	—	26.5	24	27	30	33	45.5	—	0.217
	T7	—	NU	NJ	NUP	—	26.5	24	26	30	33	45.5	—	0.209
NU1005 N 205 NU205E	(M)	—	NU	—	—	—	—	27	30	32	—	43	—	0.094
	W	M	—	—	N	NF	30	—	—	—	—	48	46	0.135
	W	M, T, T7	NU	NJ	NUP	—	30	29	30	34	37	47	—	0.136
NU2205E N 305 NU305E NU2305E	T	M, T7	NU	NJ	NUP	—	30	29	30	34	37	47	—	0.16
	W	M	—	—	N	NF	31.5	—	—	—	—	55.5	50	0.233
	W	M, T, T7	NU	NJ	NUP	—	31.5	31.5	32	37	40	55.5	—	0.269
	T	M, T7	NU	NJ	NUP	—	31.5	31.5	32	37	40	55.5	—	0.338
NU1006 N 206 NU206E	(M)	—	NU	—	N	—	35	34	36	38	—	50	51	0.136
	W	M	—	—	N	NF	35	—	—	—	—	58	56	0.208
	W	M, T, T7	NU	NJ	NUP	—	35	34	36	40	44	57	—	0.205
NU2206E N 306 NU306E NU2306E	T	M, T7	NU	NJ	NUP	—	35	34	36	40	44	57	—	0.255
	W	M	—	—	N	NF	36.5	—	—	—	—	65.5	64	0.353
	W	M, T, T7	NU	NJ	NUP	—	36.5	36.5	39	44	48	65.5	—	0.409
	T	M, T7	NU	NJ	NUP	—	36.5	36.5	39	44	48	65.5	—	0.518

- Notes** (4) *d*_b (max.) refers to values for adjusting rings for NU and NJ bearings.
 (5) The limiting speeds in the bearing tables are for standard cages.
 (6) The basic load ratings in the bearing tables are for standard cages.