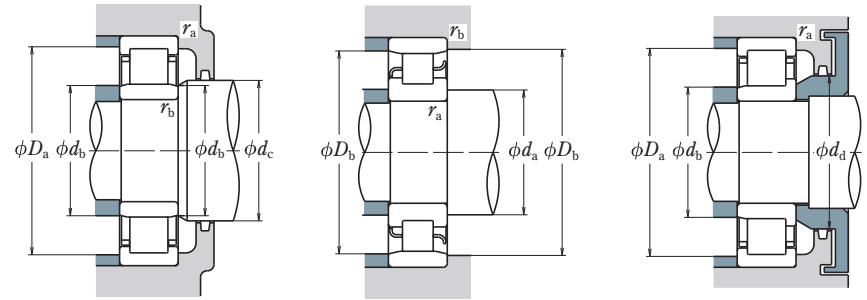
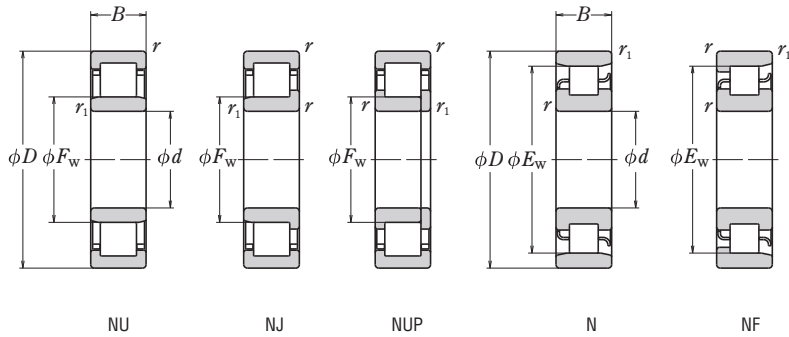


SINGLE-ROW CYLINDRICAL ROLLER BEARINGS

Bore Diameter 35 – 40 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)
35	62	14	1	0.6	42	55	27 800	23 200	11 000	—	11 000	13 000
	72	17	1.1	0.6	—	61.8	44 000	34 000	11 000	—	7 500	9 000
	72	17	1.1	0.6	44	—	62 000	50 000	10 000	15 000	8 500	10 000
	72	23	1.1	0.6	44	—	76 000	65 500	11 000	12 000	8 500	10 000
	80	21	1.5	1.1	—	68.2	61 000	47 000	9 500	—	6 300	7 500
	80	21	1.5	1.1	46.2	—	82 000	65 500	8 500	14 000	7 500	9 500
	80	31	1.5	1.1	46.2	—	115 000	101 000	9 000	11 000	6 700	8 500
	80	18	1.1	1.1	—	70	54 000	43 000	9 500	—	6 700	8 000
	80	18	1.1	1.1	49.5	—	68 500	55 500	9 000	13 000	7 500	9 000
	80	23	1.1	1.1	49.5	—	89 000	77 500	9 000	11 000	7 500	9 000
40	80	23	1.5	1.5	—	77.5	72 000	57 000	8 500	—	5 600	6 700
	90	23	1.5	1.5	52	—	102 000	81 500	7 500	12 000	6 700	8 000
	90	33	1.5	1.5	52	—	140 000	122 000	8 000	10 000	6 000	7 500

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⁾ 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> _d min.	<i>D</i> _a ⁽³⁾ max.
NU1007 N 207 NU207E	(M) W W	— M M, T, T7	NU — NU	NJ — NJ	— — NUP	N NF —	40 41.5 41.5	39 — 39	41 — 42	44 — 46	— — 50	57 — 65.5	58 68 —	56 64 —	1 1 1	0.6 0.6 0.6	0.18 0.301 0.304
NU2207E N 307 NU307E NU2307E	T W W T	M, T7 M M, T, T7 M, T7	NU — NU	NJ — NJ	NUP — NUP NUP	— NF — —	41.5 43 43 43	39 — 41.5 41.5	42 — 45 45	46 — 48 48	50 — 53 53	65.5 — 72 72	— 73.5 — —	— 70 — —	1 1.5 1.5 1.5	0.6 1 1 1	0.40 0.476 0.545 0.711
NU1008 N 208 NU208E	(M) W W	— M M, T, T7	NU — NU	NJ — NJ	NUP — NUP	N NF —	45 46.5 46.5	44 — 46.5	46 — 48	49 — 52	— — 56	63 — 73.5	64 73.5 —	62 72 —	1 1 1	0.6 1 1	0.223 0.375 0.379
NU2208E N 308 NU308E NU2308E	T W W T	M, T7 M M, T, T7 M, T7	NU — NU	NJ — NJ	NUP — NUP NUP	— NF — —	46.5 48 48 48	46.5 — 48 48	48 — 50 50	52 — 55 55	56 — 60 60	73.5 — 82 82	— 82 — —	— 79 — —	1 1.5 1.5 1.5	1 1.5 1.5 1.5	0.480 0.649 0.747 0.933

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.