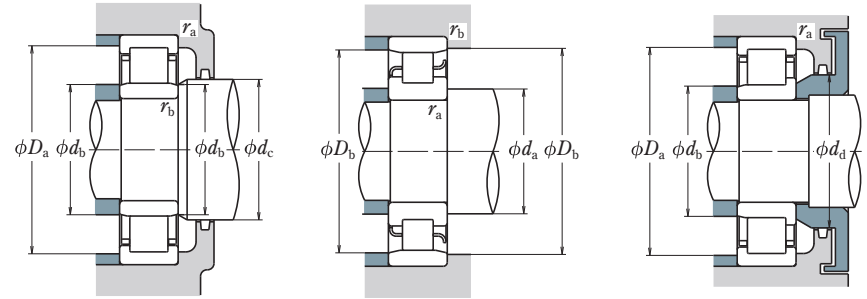
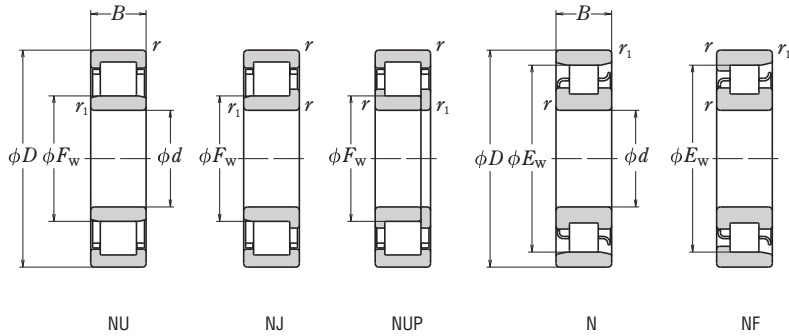


SINGLE-ROW CYLINDRICAL ROLLER BEARINGS

Bore Diameter 65 – 70 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)
65	100	18	1.1	1	74.5	90.5	50 500	51 000	6 700	—	6 300	8 000
	120	23	1.5	1.5	—	105.6	103 000	94 500	6 300	—	4 300	5 300
	120	23	1.5	1.5	78.5	—	132 000	119 000	6 000	8 500	4 800	5 600
	120	31	1.5	1.5	78.5	—	183 000	181 000	6 000	7 100	4 800	6 000
	140	33	2.1	2.1	—	121.5	166 000	139 000	5 600	—	3 600	4 300
	140	33	2.1	2.1	83.5	—	166 000	139 000	5 600	—	3 600	4 300
	140	33	2.1	2.1	82.5	—	222 000	191 000	5 300	8 500	4 300	5 300
	140	48	2.1	2.1	82.5	—	287 000	265 000	5 600	6 300	3 800	4 800
	110	20	1.1	1	80	100	71 500	70 500	6 300	—	6 000	7 100
	125	24	1.5	1.5	—	110.5	103 000	95 000	6 300	—	4 000	5 000
70	125	24	1.5	1.5	83.5	—	146 000	137 000	5 600	9 000	5 000	6 300
	125	31	1.5	1.5	83.5	—	191 000	194 000	5 600	6 700	4 500	5 600
	150	35	2.1	2.1	—	130	183 000	156 000	5 600	—	3 200	4 000
	150	35	2.1	2.1	90	—	195 000	168 000	5 300	—	3 200	4 000
	150	35	2.1	2.1	89	—	252 000	222 000	4 800	8 000	4 000	5 000
	150	51	2.1	2.1	89	—	335 000	325 000	5 000	6 000	3 600	4 500

- 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⁾	<i>d</i> _b	<i>d</i> _b ⁽⁴⁾	<i>d</i> _c	<i>d</i> _d	<i>D</i> _a ⁽³⁾	<i>D</i> _b	<i>D</i> _b	<i>r</i> _a	<i>r</i> _b	approx.
		min.	min.	max.	min.	min.	max.	max.	min.	max.	max.	max.	max.			
NU1013	(M)	—	NU NJ	—	N NF	71.5	70	73	76	—	93.5	95	92	1	1	0.504
N 213	W	M	—	—	N NF	73	—	—	—	—	—	112	108	1.5	1.5	1.05
NU213E	W	M, T, T7	NU NJ NUP	—	—	73	73	76	81	87	112	—	—	1.5	1.5	1.05
NU2213E	T	M, T7	NU NJ NUP	—	—	73	73	76	81	87	112	—	—	1.5	1.5	1.41
N 313	W	M	—	—	N NF	76	—	—	—	—	—	129	125	2	2	2.17
NU313	W	—	NU NJ NUP	—	—	76	76	81	85	93	129	—	—	2	2	2.23
NU313E	M	T, T7	NU NJ NUP	—	—	76	76	80	85	93	129	—	—	2	2	2.56
NU2313E	T	M, T7	NU NJ NUP	—	—	76	76	80	85	93	129	—	—	2	2	3.16
NU1014	(M)	—	NU NJ NUP	N NF	—	76.5	75	79	82	—	103.5	105	101	1	1	0.693
N 214	W	M	—	—	N NF	78	—	—	—	—	—	117	113	1.5	1.5	1.14
NU214E	M	T, T7	NU NJ NUP	—	—	78	78	81	86	92	117	—	—	1.5	1.5	1.29
NU2214E	T	M, T7	NU NJ NUP	—	—	78	78	81	86	92	117	—	—	1.5	1.5	1.49
N 314	W	M	—	—	N NF	81	—	—	—	—	—	139	133.5	2	2	2.67
NU314	W	—	NU NJ NUP	—	—	81	81	87	92	100	139	—	—	2	2	2.75
NU314E	M	T, T7	NU NJ NUP	—	—	81	81	86	92	100	139	—	—	2	2	3.09
NU2314E	T	M, T7	NU NJ NUP	—	—	81	81	86	92	100	139	—	—	2	2	3.92

- 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.