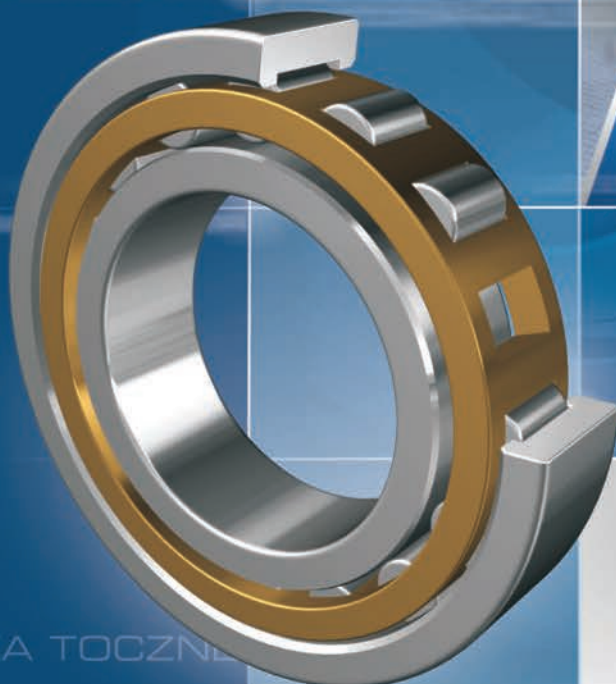


5. CYLINDRICAL ROLLER BEARINGS



ROLLING BEARINGS

ŁOZYSKA TOCZNE



SCINETTI



ŁOZYSKA TOCZNE

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INTRODUCTION:

5. Cylindrical roller bearings

5.1. Single-row cylindrical roller bearings

5.1.1. Dimension series

- **N** – open-end outer ring
- **NF** – one-sided open-end outer ring
- **NP** – closed-end outer ring and retaining ring **P**
- **NU** – open-end inner ring
- **NUB** – extended open-end inner ring
- **NUC** – open-end inner ring (as NU, but different make of the inner ring)
- **NUJ** – NU bearing and **HJ** angular ring
- **NJ** – one-sided open-end inner ring
- **NH** – NJ bearing and **HJ** angular ring
- **NJP** – NJ bearing with a separate lip in the form of the **P** retaining ring
- **NUP** – one-sided open-end inner ring and additionally the **P** retaining ring

The dimension series listed below are characteristic for various solutions described above:

- 18.. 38.. 48.. 19.. 29.. 39.. 49.. 69.. 10.. 20.. 30.. 40.. 50.. 31.. 51.. 2.. 12.. 22.. 32.. 52.. 3.. 23.. 33.. 4..

Cylindrical roller bearings are dismountable and after removing the free ring we always get the following types of bearings:

- **RNU** – without the inner ring or
- **RN** – without the outer ring.

5.1.2. Structure

Because of the wide variety of construction types it is very difficult to describe in detail the structure of cylindrical roller bearings.

On the whole, though, cylindrical roller bearings consist of the cage with rollers, which is fixed to one of the rings (to the inner ring in the N, NP and NF makes and to the outer ring in the NU, NJ, NUP and NH makes), and the second, free ring of diversified structure. And precisely this diversified structure of the free ring contributed to such great number of construction types. Individual construction types have been listed above in the form of dimension series. The key feature of all cylindrical roller bearings is their dismountability, of course, besides bearings that lack free rings.



Fig.16 Single-row cylindrical roller bearing with an open-end outer ring



Fig.15 Single-row cylindrical roller bearing, fixed axially on one side

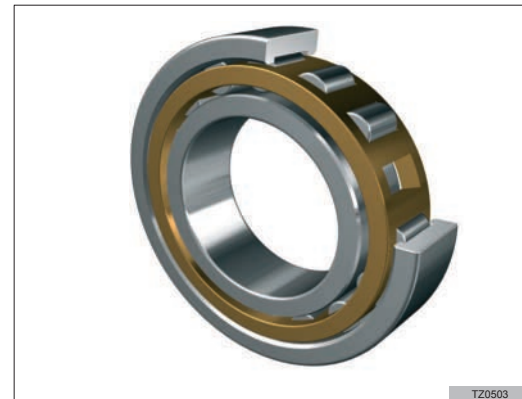


Fig.17 Single-row cylindrical roller bearing, with an open-end inner ring

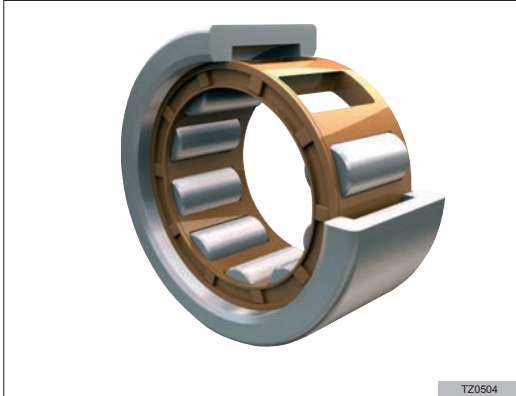


Fig.18a Single-row cylindrical roller bearing of RNU type, without an inner ring

5.1.3. Features

Cylindrical roller bearings feature a very high load capacity and rigidity when compared to other bearings with similar dimensions. The variants without cage (with full complement of rolling elements) are characterized by even higher rigidity and load capacity, though, their limiting rotational speed is considerably lower. Single-row cylindrical roller bearings are by and large intended for accommodating radial loads, but bearings of NJ (NF) type allow to fix the shaft axially in one direction, and NUP (NP) bearings as well as



Fig.18b Single-row cylindrical roller bearing fixed axially on both sides, NUP-type



Fig.19 Single-row cylindrical roller bearing of NH-type, fixed axially on both sides

NJ bearings together with the HJ angular ring (marked as NH) allow to fix the shaft in two directions. These bearings are able to support some axial load, especially periodical loads or load in form of shock pulses, however to a limited extent.

5.1.4. Cages

Cages of single-row cylindrical roller bearings are usually made of steel or brass.

One can also encounter designs with cages made of thermo-plastic material – polyamide strengthened with glass fiber.

5.1.5. Misalignment

Single-row cylindrical roller bearings are rated among extremely sensitive to errors of alignment, which cause end stresses. The longevity of cylindrical roller bearings is very short under such conditions.

5.1.6. Clearance

The clearance of cylindrical roller bearings is always reached through the processing of the free ring.

The “NA” designation behind the cylindrical roller bearing symbol gives information that free rings: the outer or the inner one (depending on the type) have been individually matched with rollers and are not replaceable.

5.1.7. “E” – Bearings in the strengthened design

In no other case the E-design is more important than in that of cylindrical roller bearings. Similar to other types of bearings the E-letter means also in case of cylindrical roller bearings that the internal construction of the bearing has been changed, through the change of the number and size of the rolling elements, of the cage structure and the like. Strengthened-design bearings feature considerably better parameters both with regard to their load capacity and to their rotational speed. From the point of view of designers it is possible to substitute standard-make bearings for strengthened variants. One can await an improvement in the quality and longevity of the bearing-closed pair. The problem arises when we take a bearing that lacks a free ring – the bearing of RNU and RN type. The main dimensions of the strengthened version are kept unchanged of course, whereas some of additional dimensions are slightly modified. One of such dimensions is the diameter of the F_w circle, which is inscribed about the cage with rollers (in case of RNU bearings) or circumscribed about the cage with rollers (in case of RN bearings). So it is logically that in case of using bearings without free rings the former, “additional”, dimension becomes the main dimension. One shall pay special attention to this fact when replacing bearings that lack free rings (mounted directly on the shaft or in the housings).

5.1.8. Application of cylindrical roller bearings

Because the cylindrical roller bearings are intended for accommodating substantial radial load, they should be applied wherever such loads prevail. Besides the fact that they are able to carry considerable radial loads, they guarantee substantial bearing mounting rigidity, too, compared with other types of bearings. Actually it is nearly impossible to point out the field in which cylindrical roller bearings are not applied.

Because of their high sensitivity to errors of alignment, cylindrical roller bearings are often used together with other types of bearings (e.g. in tool machines' spindles).

5.2. Multi-row cylindrical roller bearings

5.2.1. Dimension series

- NN 30.. NN31.. NN48.. NN49.. NN40..
- NN 30..K NN31..K NN48..K NN49..K NN40..K
- NNU 49.. NNU60.. NNU41..
- NNU 49..K NNU60..K NNU41..K

5.2.2. Main features

Multi-row cylindrical roller bearings are characterized by substantial load capacity (the more rows of rollers the higher the load capacity) but also by rigidity when mounted on the shaft. There are also versions without a free ring (**RNNU..** and **RNN..**). Most often they are produced in higher accuracy classes. Cylindrical roller bearings with full number of rolling elements (without cage) feature exceptionally high load carrying capacity and rigidity.

5.2.3. Misalignments

Multi-row cylindrical roller bearings are rated among extremely sensitive to errors of alignment and angular displacement, which cause end stresses. The longevity of cylindrical roller bearings is very short under such conditions.

5.2.4. Cages

Most often solid brass cages are used but steel and polyamide cages are also available.

It is often the case that bearings are manufactured without cage – with full number of rolling elements.

The data in the table below regard production of the most common makes. Individual types may often differ with small details, which may have no relevance from the point of view of the housing of the bearing. The differences encountered most often result from the ways of axial placement of rings. As seen in the table, dimension series represent different types of lips, sometimes additional expanding rings, etc.



Fig.20 Double-row cylindrical roller bearing with an open-end outer ring



Fig.21 Double-row cylindrical roller bearing with an open-end inner ring

5.3. Cylindrical roller bearings with full complement of rolling elements

5.3.1. Dimension series

CX	Number or rows	Lips on the inner ring	Lips on the outer ring	Notes
NCF..	1	two fixed lips	one fixed lip	snap ring on the inside of the outer ring without a fixed lip
NJF..	1	one fixed lip	two fixed lips	inner ring the same as used in the NJ bearings
NNCF..	2	two fixed lips	one fixed lip	snap ring on the inside of the outer ring without a fixed lip
NNC..	2	two fixed lips	one fixed lip	side ring adjacent to the outer ring from the side without the fixed lip
	2	two fixed lips	two fixed lips	
NNCL..	2	two fixed lips	none	
NNF..	2	four fixed lips	one inner lip between the rows of rollers	snap grooves on the outer ring, two-piece inner ring

5.3.2. Characterization

Cylindrical roller bearings with full number of rolling elements are equipped with as many rollers as possible and are characterized by a small cross-section height in relation to the bearing's width. It allows to achieve a very high load carrying capacity, and extremely compact constructions. These bearings are absolutely suitable for applications where very heavy radial loads occur, however because of changed kinematic conditions they are not able to operate with so high rotational speed as cylindrical roller bearings with cage.



Fig.22 Cylindrical roller bearing with full number of rolling elements

5.3.3. Construction variants

Because of the continually increasing interest into this type of bearings along with ever higher requirements as of operating parameters, cylindrical roller bearings with full number of rolling elements are made in a great number of construction variants. The Table 5.9. shows designations of individual series produced by several manufacturers. Additionally some drawings and pictorial diagrams have been attached.

5.3.4. Special processing of rolling elements

Kinematic conditions of cylindrical roller bearings with full number of rolling elements are adverse in relation to conditions of cylindrical roller bearings with cage, because pitch-surface generators (generating lines) of the adjacent rollers are in contact with each other and slide in different directions to each other. Because of this, surfaces of rolling elements are subjected to special treatment, which aims at minimizing the adverse occurrences. The processing consists in modifying the surface profile of rollers contact surfaces.

5.3.5. Axial load carrying capacity

Cylindrical roller bearings with full number of rollers having lips on the inner and outer ring can accommodate axial loads in addition to radial load. However in that case axial load carrying capacity does not depend on material durability but on the strength and operating parameters of the friction pair: roller/lip.

5.3.6. Misalignment

The ability of the cylindrical roller bearing without cage to compensate misalignments of the inner ring in relation to the outer ring is limited in the same way as in case of cylindrical roller bearings with cage, and comprises in just a few minutes (of arc).

5.3.7. Heat treatment

Cylindrical roller bearings with full number of rolling elements can be operated in the working temperature of up to 150°C, and bearings of over 120 mm in internal diameter keep their dimension up to 200°C.

5.3.8. Application

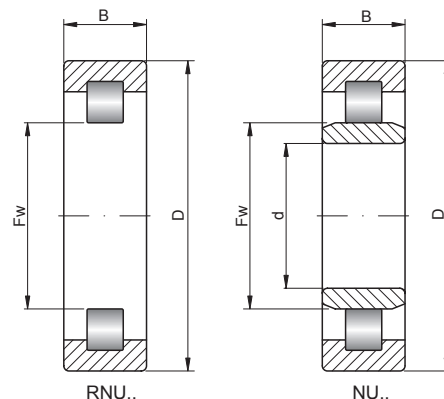
Cylindrical roller bearings with full number of rolling elements without seal are mainly used for manufacturing gears, while double-row sealed cylindrical roller bearings are most often applied in crane constructions.

5. CYLINDRICAL ROLLER BEARINGS

5.1. Single-row cylindrical roller bearings - types – NU, NUB, NUC

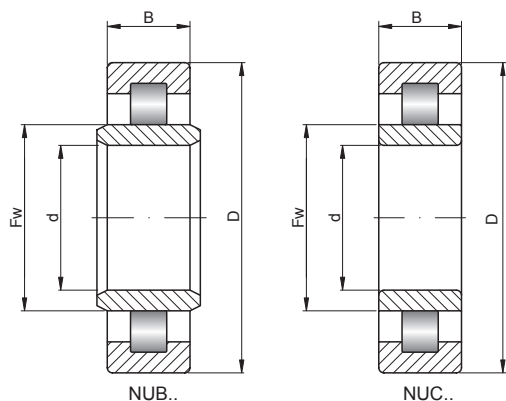


15 – 45 mm



Shaft [mm]	Bearing No.	Inner ring IR	Series		Dimensions [mm]				Weight [kg]
			SD	SB	d	D	B	Fw	
15	NU202 E	IR15X19,3X11	2	0	15	35	11	19,3	0,048
	NU302 E	IR15X21X13	3	0	15	42	13	21	0,088
17	NU203 E	IR17X22,1X12	2	0	17	40	12	22,1	0,069
	NU2203 E	IR17X22,1X16	2	2	17	40	16	22,1	0,092
	NU303 E	IR17X24,2X14	3	0	17	47	14	24,2	0,12
20	NU204 E	IR20X26,5X14	2	0	20	47	14	26,5	0,112
	NU2204 E	IR20X26,5X18	2	2	20	47	18	26,5	0,146
	NU304 E	IR20X27,5X15	3	0	20	52	15	27,5	0,153
	NU2304 E	IR20X27,5X21	3	2	20	52	21	27,5	0,215
25	NU1005	IR25X30,5X12	0	0	25	47	12	30,5	0,084
	NU205 E	IR25X31,5X15	2	0	25	52	15	31,5	0,138
	NU2205 E	IR25X31,5X18	2	2	25	52	18	31,5	0,166
	NU305 E	IR25X34X17	3	0	25	62	17	34	0,243
	NU2305 E	IR25X34X24	3	2	25	62	24	34	0,35
30	NU1006	IR30X36,5X13	0	0	30	55	13	36,5	0,121
	NU206 E	IR30X37,5X16	2	0	30	62	16	37,5	0,209
	NU2206 E	IR30X37,5X20	2	2	30	62	20	37,5	0,262
	NU3206	IR30X38,5X23,8	2	3	30	62	23,8	38,5	0,343
	NU306 E	IR30X40,5X19	3	0	30	72	19	40,5	0,361
	NU2306 E	IR30X40,5X27	3	2	30	72	27	40,5	0,534
	NU3306	IR30X42X30,2	3	3	30	72	30,2	42	0,65
	NU406	IR30X45X23	4	0	30	90	23	45	0,753
35	NU1007	IR35X42X14	0	0	35	62	14	42	0,182
	NU207 E	IR35X44X17	2	0	35	72	17	44	0,306
	NU2207 E	IR35X44X23	2	2	35	72	23	44	0,404
	NU3207	IR35X43,8X27	2	3	35	72	27	43,8	0,524
	NU307 E	IR35X46,2X21	3	0	35	80	21	46,2	0,482
	NU2307 E	IR35X46,2X31	3	2	35	80	31	46,2	0,729
	NU3307	IR35X46,2X34,9	3	3	35	80	34,9	46,2	0,908
	NU407	IR35X53X25	4	0	35	100	25	53	1,02
40	NU1008	IR40X47X15	0	0	40	68	15	47	0,223
	NU208 E	IR40X49,5X18	2	0	40	80	18	49,5	0,384
	NU2208 E	IR40X49,5X23	2	2	40	80	23	49,5	0,49
	NU5208	IR40X49,3X30,16	2	5	40	80	30,16	49,3	0,738
	NU3208	IR40X50X30,2	2	3	40	80	30,2	50	0,711
	NU308 E	IR40X52X23	3	0	40	90	23	52	0,664
	NU2308 E	IR40X52X33	3	2	40	90	33	52	0,962
	NU3308	IR40X53,5X36,5	3	3	40	90	36,5	53,5	1,19
	NU408	IR40X58X27	4	0	40	110	27	58	1,3
45	NU1009	IR45X52,5X16	0	0	45	75	16	52,5	0,289
	NU2009	IR45X52,5X19	0	2	45	75	19	52,5	0,34
	NU209 E	IR45X54,5X19	2	0	45	85	19	54,5	0,439
	NU2209 E	IR45X54,5X23	2	2	45	85	23	54,5	0,536
	NU5209	IR45X55,5X30,16	2	5	45	85	30,16	55,5	0,797
	NU3209	IR45X55X30,2	2	3	45	85	30,2	55	0,77
	NU309 E	IR45X58,5X25	3	0	45	100	25	58,5	0,909
	NU2309 E	IR45X58,5X36	3	2	45	100	36	58,5	1,32
	NU3309	IR45X58,5X39,7	3	3	45	100	39,7	58,5	1,59
	NU409	IR45X64,5X29	4	0	45	120	29	64,5	1,64

warehouse - order - phone



Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*									Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUB	NUC	
12,7	10,4	19000	22000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU202 E
19,4	15,3	16000	19000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU302 E
17,6	14,6	17000	20000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU203 E
24	22	16000	18500	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2203 E
25,5	21,2	14000	17000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU303 E
25,7	22,6	15000	18000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU204 E
30,6	28,3	13000	18000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2204 E
31,5	26,9	12000	16000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU304 E
42	38,8	11000	16000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2304 E
14,3	13,1	15000	18000	⊕	☐	☐	☐	⊕	☐	☐	☐	☐	NU1005
29,3	27,7	13000	15000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU205 E
34,9	34,6	12000	15000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2205 E
41,6	37,4	10000	14000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU305 E
57	56,1	9100	14000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2305 E
18,7	18,4	13000	15000	⊕	☐	☐	☐	⊕	☐	☐	☐	☐	NU1006
39,1	37,4	11000	13000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU206 E
48,9	49,8	9700	13000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2206 E
42,7	46,4	8700	13000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU3206
53,1	50,2	8700	12000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU306 E
74,6	77,6	7800	12000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2306 E
69,1	74,3	7700	12000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU3306
62,8	55	7600	10000	☐	⊕	☐	☐	⊕	⊕	☐	☐	☐	NU406
22,6	23,2	11000	13000	⊕	☐	☐	☐	⊕	☐	☐	☐	☐	NU1007
50,2	50,2	9300	11000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU207 E
61,6	65,3	8300	11000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2207 E
54,8	59,1	7600	11000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU3207
66,6	65,4	7700	10000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU307 E
93,1	101	6900	10000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2307 E
81,7	89,1	7000	10000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU3307
75,2	68,9	6600	8800	☐	⊕	☐	☐	⊕	⊕	☐	☐	☐	NU407
24,9	25,7	10000	12000	⊕	☐	☐	☐	⊕	☐	☐	☐	☐	NU1008
55,7	55,4	8300	9900	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU208 E
72,3	77,6	7400	9900	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2208 E
57	98,1	7500	8900	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU5208
78,3	90,6	6700	10000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU3208
83,1	81,5	6800	9100	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU308 E
114	122	6100	9100	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2308 E
104	119	6100	9100	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU3308
97,1	89,1	6000	8000	☐	⊕	☐	☐	⊕	⊕	☐	☐	☐	NU408
31	33,8	9200	11000	⊕	☐	☐	☐	⊕	☐	☐	☐	☐	NU1009
52,8	64	9000	11000	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2009
63,1	66,4	7600	9200	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU209 E
76,1	84,6	6900	9200	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2209 E
89,1	117,7	6700	7900	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU5209
82,4	99	6100	9200	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU3209
97,4	98,3	6100	8200	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU309 E
137	153	5400	8200	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU2309 E
131	149	5500	8300	☐	☐	☐	☐	⊕	⊕	☐	☐	☐	NU3309
115	112	5400	7200	☐	⊕	☐	☐	⊕	⊕	☐	☐	☐	NU409

* Other products also available

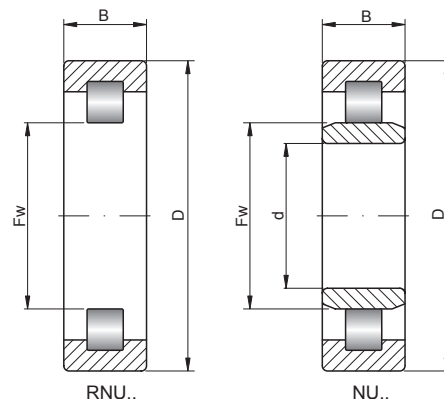


5. CYLINDRICAL ROLLER BEARINGS

5.1. Single-row cylindrical roller bearings - types – NU, NUB, NUC

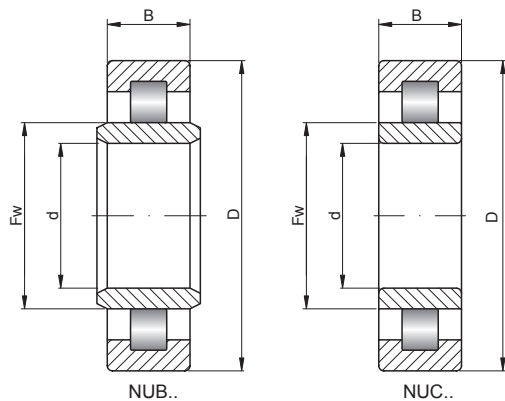


50 – 75 mm



Shaft [mm]	Bearing No.	Inner ring IR	Series		Dimensions [mm]				Weight [kg]
			SD	SB	d	D	B	Fw	
50	NU1010	IR50X57,5X16	0	0	50	80	16	57,5	0,306
	NU210 E	IR50X59,5X20	2	0	50	90	20	59,5	0,497
	NU2210 E	IR50X59,5X23	2	2	50	90	23	59,5	0,58
	NU5210	IR50X60,4X30,16	2	5	50	90	30,16	60,4	0,877
	NU3210	IR50X60,4X30,2	2	3	50	90	30,2	60,4	0,829
	NU310 E	IR50X65X27	3	0	50	110	27	65	1,15
	NU2310 E	IR50X65X40	3	2	50	110	40	65	1,76
	NU3310	IR50X65X44,4	3	3	50	110	44,4	65	2,14
	NU410	IR50X70,8X31	4	0	50	130	31	70,8	2,01
55	NU1011	IR55X64,5X18	0	0	55	90	18	64,5	0,445
	NU211 E	IR55X66X21	2	0	55	100	21	66	0,65
	NU2211 E	IR55X66X25	2	2	55	100	25	66	0,806
	NU3211	IR55X66,5X33,3	2	3	55	100	33,3	66,5	1,14
	NU5211	IR55X66,9X33,34	2	5	55	100	33,34	66,9	1,2
	NU311 E	IR55X70,5X29	3	0	55	120	29	70,5	1,5
	NU2311 E	IR55X70,5X43	3	2	55	120	43	70,5	2,25
	NU3311	IR55X70,5X49,2	3	3	55	120	49,2	70,5	2,81
	NU411	IR55X77,2X33	4	0	55	140	33	77,2	2,51
60	NU1012	IR60X69,5X18	0	0	60	95	18	69,5	0,477
	NU212 E	IR60X72X22	2	0	60	110	22	72	0,83
	NU2212 E	IR60X72X28	2	2	60	110	28	72	1,09
	NU3212	IR60X73,5X36,5	2	3	60	110	36,5	73,5	1,52
	NU5212	IR60X72,3X36,5	2	5	60	110	36,5	72,3	1,59
	NU312 E	IR60X77X31	3	0	60	130	31	77	1,87
	NU2312 E	IR60X77X46	3	2	60	130	46	77	2,81
	NU3312	IR60X77X54	3	3	60	130	54	77	3,61
	NU412	IR60X83X35	4	0	60	150	35	83	3,02
65	NU1013	IR65X74,5X18	0	0	65	100	18	74,5	0,506
	NU3013	IR65X74,5X26	0	3	65	100	26	74,5	0,7
	NU213 E	IR65X78,5X23	2	0	65	120	23	78,5	1,05
	NU2213 E	IR65X78,5X31	2	2	65	120	31	78,5	1,45
	NU3213	IR65X79,6X38,1	2	3	65	120	38,1	79,6	1,9
	NU5213	IR65X80,4X38,1	2	5	65	120	38,1	80,4	1,88
	NU313 E	IR65X82,5X33	3	0	65	140	33	82,5	2,31
	NU2313 E	IR65X82,5X48	3	2	65	140	48	82,5	3,36
	NU3313	IR65X83,5X58,7	3	3	65	140	58,7	83,5	4,53
	NU413	IR65X89,3X37	4	0	65	160	37	89,3	3,58
70	NU1014	IR70X80X20	0	0	70	110	20	80	0,702
	NU214 E	IR70X83,5X24	2	0	70	125	24	83,5	1,16
	NU2214 E	IR70X83,5X31	2	2	70	125	31	83,5	1,53
	NU5214	IR70X84,8X39,69	2	5	70	125	39,69	84,8	2,22
	NU3214	IR70X84,5X39,7	2	3	70	125	39,7	84,5	2,09
	NU314 E	IR70X89X35	3	0	70	150	35	89	2,81
	NU2314 E	IR70X89X51	3	2	70	150	51	89	4,08
	NU3314	IR70X90X63,5	3	3	70	150	63,5	90	5,62
	NU414	IR70X100X42	4	0	70	180	42	100	5,26
75	NU1015	IR75X85X20	0	0	75	115	20	85	0,735
	NU215 E	IR75X88,5X25	2	0	75	130	25	88,5	1,29
	NU2215 E	IR75X88,5X31	2	2	75	130	31	88,5	1,61
	NU5215	IR75X89X41,28	2	5	75	130	41,28	89	2,41
	NU3215	IR75X88,5X41,3	2	3	75	130	41,3	88,5	2,28

warehouse order phone



Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*									Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUB	NUC	
33,6	36,8	8400	9900	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU1010
66,1	71,9	7100	8500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU210 E
79,7	91,5	6400	8500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU2210 E
92,6	128	6300	7500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU5210
86,2	108	5700	8500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU3210
110	113	5500	7400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU310 E
163	187	4900	7400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU2310 E
156	183	5000	7500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU3310
139	136	4900	6600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU410
37,4	43,8	7600	8900	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU1011
86,4	98,7	6400	7700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU211 E
101	122	5800	7700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU2211 E
95,5	118	5100	7700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU3211
119	171	5600	6700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU5211
137	143	5100	6700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU311 E
201	233	4500	6700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU2311 E
188	220	4500	6800	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU3311
142	138	4600	6100	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU411
42,1	50	7000	8300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU1012
97,7	107	5800	6900	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU212 E
131	157	5200	6900	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU2212 E
128	167	4700	7000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU3212
150	211	5300	6300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU5212
150	157	4600	6200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU312 E
223	262	4100	6200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU2312 E
220	265	4200	6300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU3312
178	184	4200	5700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU412
43,3	52,9	6600	7800	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU1013
105	146	6300	7500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU3013
108	119	5300	6400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU213 E
149	181	4800	6400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU2213 E
148	197	4300	6400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU3213
139	196	4700	5600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU5213
181	191	4300	5700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU313 E
251	287	3800	5700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU2313 E
241	294	3900	5800	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU3313
198	203	4000	5300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU413
57,9	70,4	6100	7200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU1014
119	137	5000	6000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU214 E
156	194	4500	6000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU2214 E
178	261	4700	5600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU5214
147	198	4100	6100	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU3214
205	222	4000	5300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU314 E
275	323	3600	5300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU2314 E
283	356	3600	5400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU3314
246	257	3500	4700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU414
63,6	78,1	5700	6800	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU1015
130	156	4800	5700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU215 E
162	207	4300	5700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU2215 E
196	299	4500	5300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU5215
167	226	3900	5800	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NU3215

* Other products also available

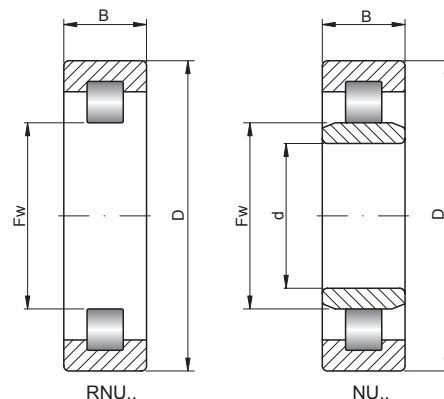


5. CYLINDRICAL ROLLER BEARINGS

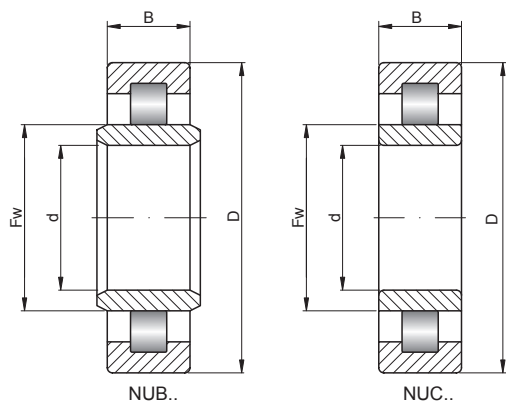
5.1. Single-row cylindrical roller bearings - types – NU, NUB, NUC



75 – 100 mm



Shaft [mm]	Bearing No.	Inner ring IR	Series		Dimensions [mm]				Weight [kg]
			SD	SB	d	D	B	Fw	
75 cont.	NU315 E	IR75X95X37	3	0	75	160	37	95	3,37
	NU2315 E	IR75X95X55	3	2	75	160	55	95	5
	NU3315	IR75X95,5X68,3	3	3	75	160	68,3	95,5	6,86
	NU415	IR75X104,5X45	4	0	75	190	45	104,5	6,25
80	NU1016	IR80X91,5X22	0	0	80	125	22	91,5	0,994
	NU216 E	IR80X95,3X26	2	0	80	140	26	95,3	1,56
	NU2216 E	IR80X95,3X33	2	2	80	140	33	95,3	2,03
	NU3216	IR80X95,3X44,4	2	3	80	140	44,4	95,3	2,87
	NU5216	IR80X95,2X44,45	2	5	80	140	44,45	95,2	2,91
	NU316 E	IR80X101X39	3	0	80	170	39	101	4
	NU2316 E	IR80X101X58	3	2	80	170	58	101	5,95
	NU3316	IR80X103X68,3	3	3	80	170	68,3	103	7,72
	NU416	IR80X110X48	4	0	80	200	48	110	7,28
85	NU1017	IR85X96,5X22	0	0	85	130	22	96,5	1,04
	NU217 E	IR85X100,5X28	2	0	85	150	28	100,5	1,94
	NU2217 E	IR85X100,5X36	2	2	85	150	36	100,5	2,53
	NU3217	IR85X101,8X49,2	2	3	85	150	49,2	101,8	3,67
	NU5217	IR85X102X49,21	2	5	85	150	49,21	102	3,69
	NU317 E	IR85X108X41	3	0	85	180	41	108	4,8
	NU2317 E	IR85X108X60	3	2	85	180	60	108	6,98
	NU3317	IR85X108X73	3	3	85	180	73	108	9,23
	NU417	IR85X113X52	4	0	85	210	52	113	8,68
90	NU1018	IR90X103X24	0	0	90	140	24	103	1,34
	NU218 E	IR90X107X30	2	0	90	160	30	107	2,38
	NU2218 E	IR90X107X40	2	2	90	160	40	107	3,21
	NU3218	IR90X107X52,4	2	3	90	160	52,4	107	4,49
	NU5218	IR90X107,2X52,4	2	5	90	160	52,4	107,2	4,48
	NU318 E	IR90X113,5X43	3	0	90	190	43	113,5	5,47
	NU2318 E	IR90X113,5X64	3	2	90	190	64	113,5	8,12
	NU3318	IR90X115X73	3	3	90	190	73	115	10,3
	NU418	IR90X123,5X54	4	0	90	225	54	123,5	10,3
95	NU1019	IR95X108X24	0	0	95	145	24	108	1,4
	NU219 E	IR95X112,5X32	2	0	95	170	32	112,5	2,92
	NU2219 E	IR95X112,5X43	2	2	95	170	43	112,5	3,93
	NU5219	IR95X113,5X55,6	2	5	95	170	55,6	113,5	5,65
	NU3219	IR95X113,5X55,6	2	3	95	170	55,6	113,5	5,42
	NU319 E	IR95X121,5X45	3	0	95	200	45	121,5	6,42
	NU2319 E	IR95X121,5X67	3	2	95	200	67	121,5	9,39
	NU3319	IR95X121,5X77,8	3	3	95	200	77,8	121,5	12,1
	NU419	IR95X133,5X55	4	0	95	240	55	133,5	13,6
100	NU1920	IR100X110X20	9	0	100	140	20	110	0,912
	NU1020	IR100X113X24	0	0	100	150	24	113	1,46
	NU220 E	IR100X119X34	2	0	100	180	34	119	3,52
	NU2220 E	IR100X119X46	2	2	100	180	46	119	4,82
	NU3220	IR100X120X60,3	2	3	100	180	60,3	120	6,62
	NU5220	IR100X121X60,32	2	5	100	180	60,32	121	6,49
	NU320 E	IR100X127,5X47	3	0	100	215	47	127,5	7,75
	NU2320 E	IR100X127,5X73	3	2	100	215	73	127,5	12,1
	NU3320	IR100X129,5X82,6	3	3	100	215	82,6	129,5	15
	NU420	IR100X139X58	4	0	100	250	58	139	14



Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*									Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUB	NUC	
240	263	3700	5000	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU315 E
329	395	3300	5000	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU2315 E
338	430	3400	5000	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU3315
265	274	3300	4400	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU415
69,3	86,4	5300	6300	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU1016
139	167	4400	5300	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU216 E
186	243	4000	5300	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU2216 E
190	259	3600	5400	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU3216
185	282	4200	5000	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU5216
259	282	3500	4700	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU316 E
361	431	3100	4700	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU2316 E
338	436	3100	4700	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU3316
302	315	3100	4200	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU416
71,4	91,2	5100	6000	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU1017
167	199	4200	5000	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU217 E
218	279	3700	5000	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU2217 E
215	296	3300	5000	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU3217
211	316	3800	4500	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU5217
291	330	3300	4400	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU317 E
394	485	2900	4400	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU2317 E
399	517	3000	4500	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU3317
340	350	3000	4000	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU417
84,7	109	4700	5600	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU1018
182	217	3900	4700	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU218 E
242	314	3500	4700	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU2218 E
270	373	3100	4700	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU3218
237	355	3500	4200	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU5218
316	355	3100	4100	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU318 E
437	534	2800	4100	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU2318 E
428	559	2800	4200	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU3318
374	400	2800	3700	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU418
87,2	115	4500	5300	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU1019
221	265	3700	4400	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU219 E
287	371	3300	4400	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU2219 E
335	511	3300	4000	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU5219
297	412	3000	4400	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU3219
334	387	2900	3900	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU319 E
394	496	2600	4000	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU2319 E
487	654	2600	4000	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU3319
410	444	2600	3400	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU419
67,7	94,4	4500	5300	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU1920
91	120	4300	5100	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU1020
250	306	3500	4200	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU220 E
334	444	3100	4200	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU2220 E
327	459	2800	4200	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU3220
304	473	3200	3800	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU5220
379	424	2700	3600	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU320 E
570	717	2400	3600	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU2320 E
530	706	2500	3700	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU3320
458	498	2500	3300	☐	☐	☐	☐	☐	☐	☐	☐	☐	NU420

* Other products also available

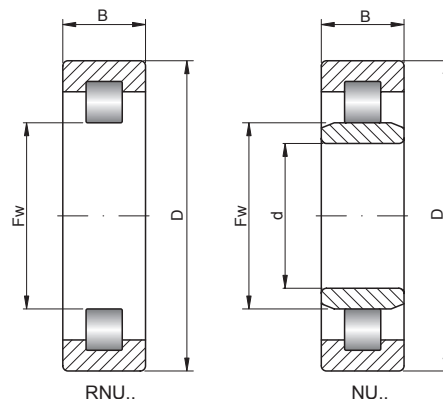


5. CYLINDRICAL ROLLER BEARINGS

5.1. Single-row cylindrical roller bearings - types – NU, NUB, NUC

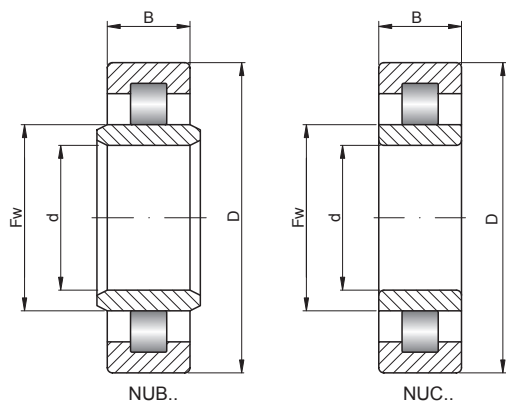


105 – 150 mm



Shaft [mm]	Bearing No.	Inner ring IR	Series		Dimensions [mm]				Weight [kg]
			SD	SB	d	D	B	Fw	
105	NU1921	IR105X115X20	9	0	105	145	20	115	0,951
	NU1021	IR105X119,5X26	0	0	105	160	26	119,5	1,85
	NU221 E	IR105X125,5X36	2	0	105	190	36	125,5	4
	NU3221	IR105X126,8X65,1	2	3	105	190	65,1	126,8	8
	NU5221	IR105X126,5X65,1	2	5	105	190	65,1	126,5	7,94
	NU321 E	IR105X133X49	3	0	105	225	49	133	8,76
	NU3321	IR105X135X87,3	3	3	105	225	87,3	135	17,4
	NU421	IR105X144,5X60	4	0	105	260	60	144,5	19,1
110	NU1022	IR110X125X28	0	0	110	170	28	125	2,31
	NU222 E	IR110X132,5X38	2	0	110	200	38	132,5	4,9
	NU2222 E	IR110X132,5X53	2	2	110	200	53	132,5	6,93
	NU3222	IR110X132,5X69,8	2	3	110	200	69,8	132,5	9,55
	NU5222		2	5	110	200	69,85	132,9	10
	NU322 E	IR110X143X50	3	0	110	240	50	143	10,7
	NU2322 E	IR110X143X80	3	2	110	240	80	143	18,8
	NU3322	IR110X143X92,1	3	3	110	240	92,1	143	21,1
120	NU422	IR110X155X65	4	0	110	280	65	155	19,9
	NU2924	IR120X131,5X27	9	2	120	180	27	131,5	1,72
	NU1024	IR120X135X28	0	0	120	180	28	135	2,47
	NU224 E	IR120X143,5X40	2	0	120	215	40	143,5	5,85
	NU2224 E	IR120X143,5X58	2	2	120	215	58	143,5	8,56
	NU3224	IR120X143,5X76	2	3	120	215	76	143,5	11,9
	NU5224	IR120X145,1X76,2	2	5	120	215	76,2	145,1	11,8
	NU324 E	IR120X154X55	3	0	120	260	55	154	13,4
130	NU2324 E	IR120X154X86	3	2	120	260	86	154	23,1
	NU3324	IR120X154X106	3	3	120	260	106	154	28,3
	NU424	IR120X170X72	4	0	120	310	72	170	28
	NU1926	IR130X142X24	9	0	130	180	24	142	1,79
	NU2926	IR130X142X30	9	2	130	180	30	142	2,27
	NU1026	IR130X148X33	0	0	130	200	33	148	3,77
	NU2026	IR130X147X42	0	2	130	200	42	147	4,6
	NU226 E	IR130X153,5X40	2	0	130	230	40	153,5	6,6
140	NU2226 E	IR130X153,5X64	2	2	130	230	64	153,5	11,2
	NU5226	IR130X155X79,38	2	5	130	230	79,38	155	13,8
	NU3226	IR130X156X80	2	3	130	230	80	156	14,1
	NU326 E	IR130X167X58	3	0	130	280	58	167	16,7
	NU2326 E	IR130X167X93	3	2	130	280	93	167	29,1
	NU3326	IR130X167X112	3	3	130	280	112	167	34,6
	NU426	IR130X185X78	4	0	130	340	78	185	36,1
	NU1928	IR140X152X24	9	0	140	190	24	152	1,9
150	NU2928	IR140X152X30	9	2	140	190	30	152	2,49
	NU1028	IR140X158X33	0	0	140	210	33	158	4
	NU228 E	IR140X169X42	2	0	140	250	42	169	8,5
	NU2228 E	IR140X169X68	2	2	140	250	68	169	14,3
	NU5228		2	5	140	250	82,55	168,4	17,1
	NU3228	IR140X169X88	2	3	140	250	88	169	18,5
	NU328 E	IR140X180X62	3	0	140	300	62	180	20,4
	NU2328 E	IR140X180X102	3	2	140	300	102	180	36,8
150	NU3328	IR140X180X118	3	3	140	300	118	180	41,5
	NU428	IR140X198X82	4	0	140	360	82	198	46,8
150	NU1030	IR150X169,5X35	0	0	150	225	35	169,5	4,83

- warehouse
 - order
 - phone



Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*									Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUB	NUC	
71	102	4100	4900	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1921
108	149	4100	4800	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1021
201	241	3300	3900	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU221 E
344	482	2600	3900	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3221
362	573	3000	3500	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU5221
440	500	2600	3500	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU321 E
638	871	2300	3500	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3321
471	510	2400	3100	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU421
134	171	3800	4500	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1022
293	365	3100	3700	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU222 E
384	517	2800	3700	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2222 E
427	607	2500	3700	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3222
464	736	3000	3500	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU5222
451	525	2400	3200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU322 E
680	880	2200	3200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2322 E
678	918	2200	3300	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3322
550	621	2200	2900	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU422
116	188	3700	4600	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2924
137	181	3500	4200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1024
336	421	2800	3400	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU224 E
452	619	2600	3400	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2224 E
477	695	2300	3400	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3224
482	794	2700	3200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU5224
528	610	2200	3000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU324 E
793	1030	2000	3000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2324 E
826	1120	2000	3000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3324
690	770	1900	2600	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU424
112	163	3600	4600	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1926
152	243	3500	4500	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2926
171	238	3200	3800	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1026
297	440	3200	4800	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2026
364	453	2600	3200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU226 E
530	737	2400	3200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2226 E
511	841	2500	3000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU5226
550	857	2100	3200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3226
616	736	2000	2700	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU326 E
920	1230	1800	2700	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2326 E
936	1290	1800	2700	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3326
771	876	1800	2300	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU426
117	177	3200	4400	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1928
165	275	3250	4400	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2928
175	250	3000	3600	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1028
392	514	2400	2900	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU228 E
572	835	2200	2900	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2228 E
596	981	2200	2700	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU5228
604	939	1900	2900	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3228
663	797	1900	2500	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU328 E
1020	1380	1700	2500	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2328 E
1090	1550	1700	2500	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3328
874	1020	1600	2200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU428
201	281	2800	3300	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1030

* Other products also available

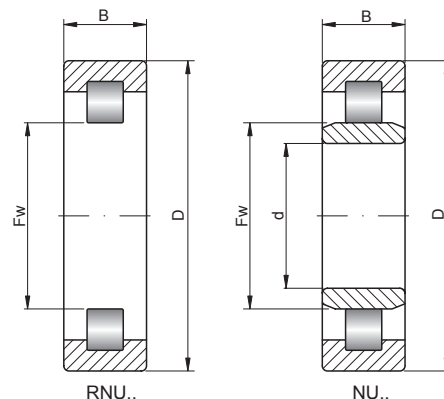


5. CYLINDRICAL ROLLER BEARINGS

5.1. Single-row cylindrical roller bearings - types – NU, NUB, NUC

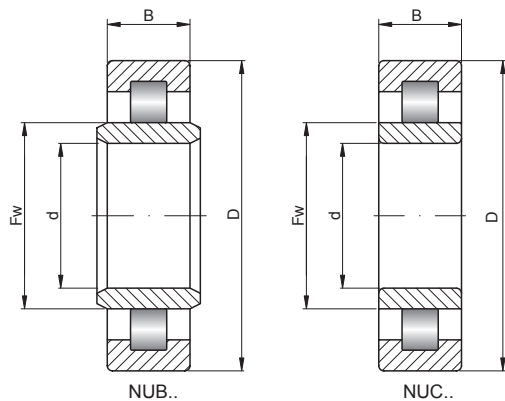


150 – 200 mm



Shaft [mm]	Bearing No.	Inner ring IR	Series		Dimensions [mm]				Weight [kg]
			SD	SB	d	D	B	Fw	
150 cont.	NU3030	IR150X171X56	0	3	150	225	56	171	8,03
	NU230 E	IR150X182X45	2	0	150	270	45	182	10,7
	NU2230 E	IR150X182X73	2	2	150	270	73	182	18,7
	NU5230	IR150X181,5X88,9	2	5	150	270	88,9	181,5	22,9
	NU3230	IR150X182X96	2	3	150	270	96	182	23,7
	NU330 E	IR150X193X65	3	0	150	320	65	193	27
	NU2330 E	IR150X193X108	3	2	150	320	108	193	44,7
	NU3330	IR150X193X128	3	3	150	320	128	193	51,4
160	NU430	IR150X213X85	4	0	150	380	85	213	53,3
	NU1932	IR160X175X28	9	0	160	220	28	175	3,08
	NU2932	IR160X175X36	9	2	160	220	36	175	4,05
	NU1032	IR160X180X38	0	0	160	240	38	180	5,93
	NU2032	IR160X179X48	0	2	160	240	48	179	7,9
	NU3132	IR160X187X86	1	3	160	270	86	187	20,6
	NU232 E	IR160X195X48	2	0	160	290	48	195	14,8
	NU2232 E	IR160X193X80	2	2	160	290	80	193	23,6
	NU5232	IR160X195X104	2	5	160	290	98,42	193,6	28,9
	NU3232	IR160X204X68	2	3	160	290	104	195	29,8
	NU332 E	IR160X204X114	3	0	160	340	68	204	32
	NU2332 E	IR160X204X114	3	2	160	340	114	204	53,1
	NU3332	IR160X208X136	3	3	160	340	136	208	61,5
170	NU1034	IR170X193X42	0	0	170	260	42	193	7,9
	NU2034	IR170X191X54	0	2	170	260	54	191	11
	NU3034	IR170X196X67	0	3	170	260	67	196	13
	NU234 E	IR170X207X52	2	0	170	310	52	207	18,6
	NU2234 E	IR170X205X86	2	2	170	310	86	205	29,2
	NU5234	IR170X208X110	2	5	170	310	104,77	205,4	35,5
	NU3234	IR170X216X120	2	3	170	310	110	208	36,2
	NU2334 E	IR170X220X140	3	2	170	360	120	216	62,6
	NU3334 E	IR170X218X73	3	3	170	361	140	220	70,8
180	NU334 E	IR170X218X73	3	0	170	361	73	218	38,6
	NU1036	IR180X205X46	0	0	180	280	46	205	10,5
	NU3036	IR180X207X74	0	3	180	280	74	207	17,3
	NU236 E	IR180X217X52	2	0	180	320	52	217	19,3
	NU2236 E	IR180X215X86	2	2	180	320	86	215	30,4
	NU3236	IR180X218X112	2	3	180	320	112	218	38,4
	NU336 E	IR180X231X75	3	0	180	380	75	231	42,6
	NU2336 E	IR180X227X126	3	2	180	380	126	227	73
	NU3336	IR180X232X150	3	3	180	380	150	232	84,4
190	NU436	IR180X247X95	4	0	180	440	95	247	80
	NU1938	IR190X207,5X33	9	0	190	260	33	207,5	5,5
	NU1038	IR190X215X46	0	0	190	290	46	215	10,9
	NU3038	IR190X217X75	0	3	190	290	75	217	18,4
	NU3138	IR190X223X104	1	3	190	320	104	223	34,5
	NU238 E	IR190X230X55	2	0	190	340	55	230	23,3
	NU2238 E	IR190X228X92	2	2	190	340	92	228	37
	NU3238	IR190X231X120	2	3	190	340	120	231	46,8
	NU338 E	IR190X245X78	3	0	190	400	78	245	49,9
200	NU2338 E	IR190X245X132	3	2	190	400	132	245	84,7
	NU3338	IR190X245X155	3	3	190	400	155	245	96,5
200	NU2840	IR200X211,5X30	8	2	200	250	30	211,5	3,55

warehouse order phone



Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*									Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUB	NUC	
374	652	3000	4300	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3030
448	594	2200	2600	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU230 E
662	982	2000	2600	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2230 E
736	1260	2000	2400	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU5230
749	1200	1800	2700	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3230
757	922	1700	2300	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU330 E
1180	1600	1500	2300	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2330 E
1180	1700	1600	2300	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3330
930	1120	1500	2000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU430
149	228	2900	4200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1932
199	330	3000	4300	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2932
236	330	2600	3000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1032
418	670	2600	4000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2032
681	1070	2500	4000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3132
498	666	2000	2400	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU232 E
809	1190	1800	2400	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2232 E
764	1310	1900	2200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU5232
857	1390	1600	2500	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3232
857	1050	1600	2100	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU332 E
1310	1820	1400	2100	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2332 E
1270	1890	1400	2200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3332
276	400	2400	2800	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1034
473	735	2400	3600	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2034
461	824	2700	4000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3034
603	802	1900	2200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU234 E
967	1410	1700	2200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2234 E
891	1470	1800	2100	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU5234
964	1580	1500	2300	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3234
1220	1750	1300	2000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2334 E
1420	2120	1300	2000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3334
809	1010	1500	2000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU334 E
356	503	2200	2600	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1036
600	1040	2500	3800	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3036
626	852	1800	2100	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU236 E
1010	1510	1600	2100	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2236 E
999	1680	1400	2200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3236
917	1150	1400	1900	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU336 E
1350	1940	1300	1900	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2336 E
1660	2520	1300	1900	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3336
1250	1600	1600	2400	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU436
251	400	2750	4000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1938
366	530	2100	2500	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU1038
636	1140	2200	3600	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3038
942	1570	2000	3200	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3138
694	954	1700	2000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU238 E
1100	1670	1500	2000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2238 E
1310	1930	1300	2000	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3238
987	1260	1300	1800	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU338 E
1520	2220	1200	1800	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2338 E
1870	2910	1200	1800	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU3338
183	345	2800	3600	☹	☹	☹	☹	☹	☹	☹	☹	☹	NU2840

* Other products also available

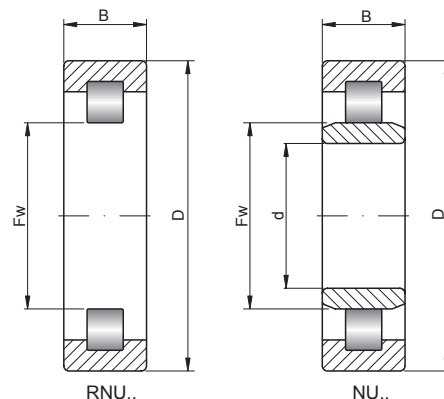


5. CYLINDRICAL ROLLER BEARINGS

5.1. Single-row cylindrical roller bearings - types – NU, NUB, NUC

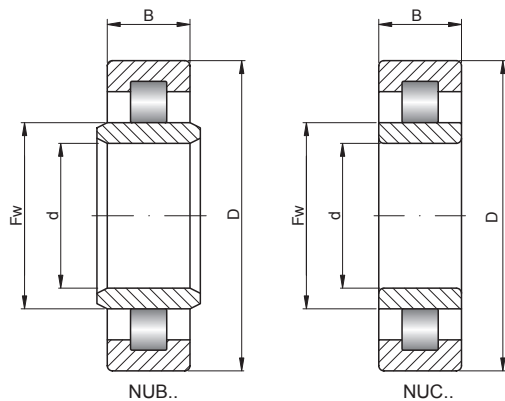


200 – 300 mm



Shaft [mm]	Bearing No.	Inner ring IR	Series		Dimensions [mm]				Weight [kg]
			SD	SB	d	D	B	Fw	
200 cont.	NU1940	IR200X218X38	9	0	200	280	38	218	7,4
	NU1040	IR200X229X51	0	0	200	310	51	229	14,1
	NU3040	IR200X232X82	0	3	200	310	82	232	23,7
	NU240 E	IR200X243X58	2	0	200	360	58	243	27,2
	NU2240 E	IR200X241X98	2	2	200	360	98	241	44,4
	NU3240	IR200X244X128	2	3	200	360	128	244	56,2
	NU340 E	IR200X258X80	3	0	200	420	80	258	56,2
	NU2340 E	IR200X253X138	3	2	200	420	138	253	97,4
220	NU3340	IR200X260X165	3	3	200	420	165	260	113
	NU1944	IR220X240X38	9	0	220	300	38	240	8,3
	NU2944	IR220X241,5X48	9	2	220	300	48	241,5	9,82
	NU1044	IR220X250X56	0	0	220	340	56	250	18,5
	NU3144	IR220X261X120	1	3	220	370	120	261	53,2
	NU244 E	IR220X268X65	2	0	220	400	65	268	38,5
	NU2244 E	IR220X259X108	2	2	220	400	108	259	60,9
	NU3244	IR220X270X144	2	3	220	400	144	270	78,8
240	NU344 E	IR220X282X88	3	0	220	460	88	282	74,4
	NU2344 E	IR220X277X145	3	2	220	460	145	277	119
	NU3344	IR220X284X180	3	3	220	460	180	284	148
	NU1048	IR240X270X56	0	0	240	360	56	270	20,1
	NU3048	IR240X276X92	0	3	240	360	92	276	33
	NU248 E	IR240X293X72	2	0	240	440	72	293	52,1
	NU2248 E	IR240X287X120	2	2	240	440	120	287	82,5
	NU3248	IR240X295X160	2	3	240	440	160	295	107
260	NU348 E	IR240X306X95	3	0	240	500	95	306	94,6
	NU2348 E	IR240X303X155	3	2	240	500	155	303	152
	NU3348	IR240X310X195	3	3	240	500	195	310	189
	NU1952	IR260X285X46	9	0	260	360	46	285	13,9
	NU2952	IR260X285X60	9	2	260	360	60	285	18,4
	NU1052	IR260X296X65	0	0	260	400	65	296	29,2
	NU3052	IR260X290,5X104	0	3	260	400	104	290,5	49,5
	NU3152	IR260X308X144	1	3	260	440	144	308	92,7
280	NU252 E	IR260X317X80	2	0	260	480	80	317	69
	NU2252 E	IR260X313X130	2	2	260	480	130	313	107
	NU3252	IR260X320X174	2	3	260	480	174	320	139
	NU352 E	IR260X337X102	3	0	260	540	102	337	120
	NU2352 E	IR260X324X165	3	2	260	540	165	324	185
	NU3352	IR260X336X206	3	3	260	540	206	336	232
	NU3856	IR280X298X52	8	3	280	350	52	298	11,5
	NU1956	IR280X305X46	9	0	280	380	46	305	14,7
300	NU1056	IR280X316X65	0	0	280	420	65	316	35,2
	NU2056	IR280X314X82	0	2	280	420	82	314	40
	NU3156	IR280X328X146	1	3	280	460	146	328	97,2
	NU256 E	IR280X337X80	2	0	280	500	80	337	72,7
	NU2256 E	IR280X333X130	2	2	280	500	130	333	114
	NU356 E	IR280X362X108	3	0	280	580	108	362	145
	NU2356 E	IR280X351X175	3	2	280	580	175	351	231
	NU2860	IR300X321X48	8	2	300	380	48	321	14
300	NU3860	IR300X322X60	8	3	300	380	60	322	16,6
	NU1960	IR300X332X56	9	0	300	420	56	332	23,3
	NU1060	IR300X340X74	0	0	300	460	74	340	44,1

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Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*									Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUB	NUC	
341	540	2600	3800	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1940
388	582	1900	2300	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1040
689	1250	2000	3400	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3040
766	1060	1600	1900	⊕	⊕	↗	↗	⊕	⊕	↗	↗	↗	NU240 E
1220	1870	1400	1900	⊕	↗	↗	↗	⊕	⊕	↗	↗	↗	NU2240 E
1200	2020	1300	1900	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3240
987	1270	1200	1700	⊕	⊕	↗	↗	⊕	⊕	↗	↗	↗	NU340 E
1520	2240	1100	1700	⊕	⊕	↗	↗	⊕	⊕	↗	↗	↗	NU2340 E
1870	2930	1100	1700	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3340
336	560	2400	3200	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1944
366	655	2000	3000	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2944
507	748	1700	2000	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1044
1230	2140	1700	2700	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3144
766	1080	1400	1700	⊕	⊕	↗	↗	⊕	⊕	↗	↗	↗	NU244 E
1130	1810	1200	1700	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2244 E
1630	2880	1100	1700	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3244
1200	1570	1100	1500	⊕	⊕	↗	↗	⊕	⊕	↗	↗	↗	NU344 E
1810	2690	1000	1500	⊕	⊕	↗	↗	⊕	⊕	↗	↗	↗	NU2344 E
2130	3300	990	1500	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3344
535	822	1600	1900	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1048
774	1450	1600	2600	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3048
949	1340	1200	1500	⊕	⊕	↗	↗	⊕	⊕	↗	↗	↗	NU248 E
1430	2320	1100	1500	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2248 E
1950	3460	990	1500	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3248
1430	1950	990	1300	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU348 E
2170	3320	900	1400	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2348 E
2540	4070	880	1300	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3348
410	686	2200	2900	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1952
558	1020	1600	2400	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2952
651	979	1400	1700	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1052
1420	2320	1500	2400	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3052
1730	3120	1400	2300	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3152
1100	1580	1100	1300	⊕	⊕	↗	↗	⊕	⊕	↗	↗	↗	NU252 E
1790	2950	990	1300	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2252 E
2140	3680	880	1300	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3252
1900	2600	900	1100	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU352 E
2430	3750	800	1200	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2352 E
2940	4790	790	1200	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3352
427	968	2000	3300	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3856
406	689	2000	2600	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1956
669	1030	1300	1500	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1056
1230	2160	1400	2200	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2056
1810	3280	1300	2150	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3156
1140	1680	1000	1200	⊕	⊕	↗	↗	⊕	⊕	↗	↗	↗	NU256 E
2280	3600	900	1250	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2256 E
2160	3000	800	1000	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU356 E
2750	4200	750	1100	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2356 E
473	980	1700	1700	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2860
543	1300	1800	2900	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3860
507	873	1800	2300	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1960
890	1380	1200	1400	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1060

* Other products also available

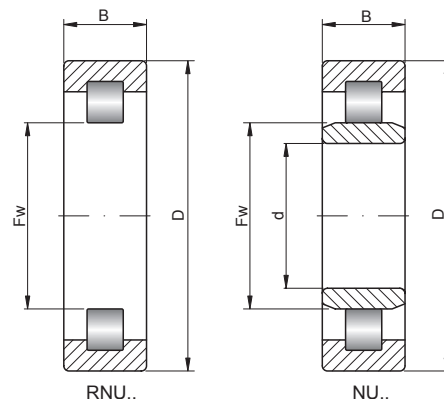


5. CYLINDRICAL ROLLER BEARINGS

5.1. Single-row cylindrical roller bearings - types – NU, NUB, NUC

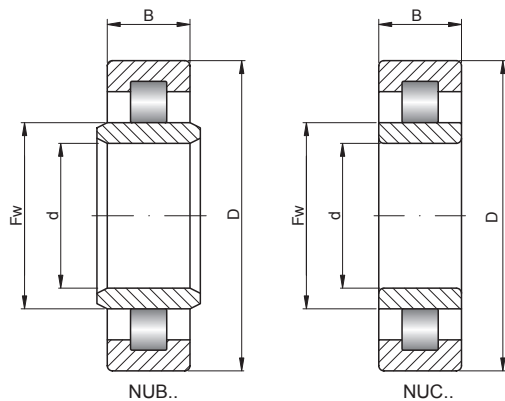


300 – 420 mm



Shaft [mm]	Bearing No.	Inner ring IR	Series		Dimensions [mm]				Weight [kg]
			SD	SB	d	D	B	Fw	
300 cont.	NU2060	IR300X341X95	0	2	300	460	95	341	59,5
	NU3060	IR300X346X118	0	3	300	460	118	346	71,3
	NU3160	IR300X352X160	1	3	300	500	160	352	129
	NU260 E	IR300X364X85	2	0	300	540	85	364	90,7
	NU2260	IR300X364X140	2	2	300	540	140	364	138
	NU2360	IR300X371X185	3	2	300	620	185	371	270
320	NU1864	IR320X341X38	8	0	320	400	38	341	11,7
	NU2864	IR320X341X48	8	2	320	400	48	341	14,5
	NU1964	IR320X350X56	9	0	320	440	56	350	27
	NU1064	IR320X360X74	0	0	320	480	74	360	48,4
	NU2064	IR320X360X95	0	2	320	480	95	360	62,5
	NU3064	IR320X366X121	0	3	320	480	121	366	76,4
	NU3164	IR320X368X176	1	3	320	540	176	368	175
	NU264 E	IR320X390X92	2	0	320	580	92	390	114
	NU2264	IR320X390X150	2	2	320	580	150	390	172
	NU364	IR320X425X112	3	0	320	670	112	425	199
340	NU2868	IR340X361X48	8	2	340	420	48	361	15
	NU3868	IR340X362X60	8	3	340	420	60	362	18,1
	NU1968	IR340X370X56	9	0	340	460	56	370	25,7
	NU2968	IR340X372X72	9	2	340	460	72	372	34,7
	NU1068	IR340X385X82	0	0	340	520	82	385	64,1
	NU3068	IR340X393X133	0	3	340	520	133	393	102
	NU3168	IR340X399X190	1	3	340	580	190	399	210
	NU2268	IR340X416X165	2	2	340	620	165	416	220
360	NU1872	IR360X380X38	8	0	360	440	38	380	11,7
	NU1972	IR360X392X56	9	0	360	480	56	392	27,3
	NU2972	IR360X393X72	9	2	360	480	72	393	37,2
	NU1072	IR360X405X82	0	0	360	540	82	405	67,1
	NU2072	IR360X405X106	0	2	360	540	106	405	88,5
	NU3072	IR360X413X134	0	3	360	540	134	413	111
	NU3172	IR360X405X192	1	3	360	600	192	405	225
	NU2272	IR360X437X170	2	2	360	650	170	437	250
	NU2372	IR360X465X224	3	2	360	750	224	465	510
380	NU1876	IR380X406X46	8	0	380	480	46	406	23
	NU3876	IR380X405X75	8	3	380	480	75	405	32,3
	NU1076	IR380X425X82	0	0	380	560	82	425	70,1
	NU2076	IR380X425X106	0	2	380	560	106	425	92,5
	NU3076	IR380X433X135	0	3	380	560	135	433	113
	NU2276	IR380X462X175	2	2	380	680	175	462	275
400	NU1880	IR400X426X46	8	0	400	500	46	426	20,1
	NU3880	IR400X426X75	8	3	400	500	75	426	34,2
	NU1980	IR400X435X65	9	0	400	540	65	435	41
	NU1080	IR400X450X90	0	0	400	600	90	450	91
	NU2080	IR400X449X118	0	2	400	600	118	449	120
	NU3080	IR400X450X148	0	3	400	600	148	450	148
420	NU1884	IR420X447X46	8	0	420	520	46	447	20,5
	NU3884	IR420X448X75	8	3	420	520	75	448	35,5
	NU1984	IR420X456X65	9	0	420	560	65	456	42,5
	NU2984	IR420X458X82	9	2	420	560	82	458	59
	NU1084	IR420X470X90	0	0	420	620	90	470	94,6

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Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*									Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUB	NUC	
1510	2750	1300	2000	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2060
1290	2470	1400	2200	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3060
2150	3940	1250	1900	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3160
1350	1960	920	1100	⊖	⊖	↗	↗	⊖	⊖	↗	↗	↗	NU260 E
2400	3800	880	1200	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2260
4020	5850	950	1600	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2360
369	710	1600	2400	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1864
495	1060	1600	2400	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2864
693	1200	1700	2100	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1964
913	1450	1100	1300	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1064
1450	265	1200	1900	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2064
1320	2590	1350	2000	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3064
3140	5400	1000	1700	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3164
1540	2270	840	1000	⊖	⊖	↗	↗	⊖	⊖	↗	↗	↗	NU264 E
3000	4100	850	1150	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2264
2300	3200	750	950	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU364
512	1120	1500	2000	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2868
624	1500	1500	2200	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3868
605	1080	1600	2000	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1968
800	1620	1400	1900	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2968
1090	1750	980	1200	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1068
1570	3080	1300	1900	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3068
3190	5700	950	1600	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3168
2640	4500	1000	1500	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2268
339	692	1450	2200	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1872
566	1060	1400	1800	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1972
845	1820	1200	1700	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2972
1120	1830	920	1100	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1072
1940	3600	1100	1600	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2072
1970	4180	1200	1700	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3072
3410	5700	900	1500	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3172
2920	4900	950	1400	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2272
5010	8150	850	1300	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2372
539	1060	1300	2000	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1876
852	1970	1200	1800	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3876
1150	1920	860	1000	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1076
1980	3750	1000	1600	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2076
1690	3470	1100	1600	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3076
3140	5500	900	1400	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2276
456	924	1250	1800	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1880
852	2060	1100	1600	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3880
952	1730	1200	1600	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1980
1400	2310	780	920	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1080
2200	4750	950	1400	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2080
2250	4370	1000	1500	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3080
550	1120	1200	1600	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1884
882	2260	900	1100	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU3884
800	1510	1150	1500	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1984
1210	2550	1100	1500	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2984
1390	2320	730	860	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU1084

* Other products also available

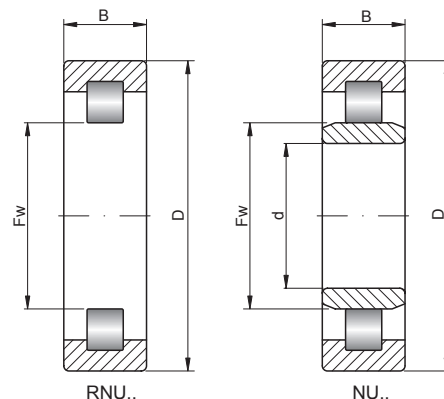


5. CYLINDRICAL ROLLER BEARINGS

5.1. Single-row cylindrical roller bearings - types – NU, NUB, NUC

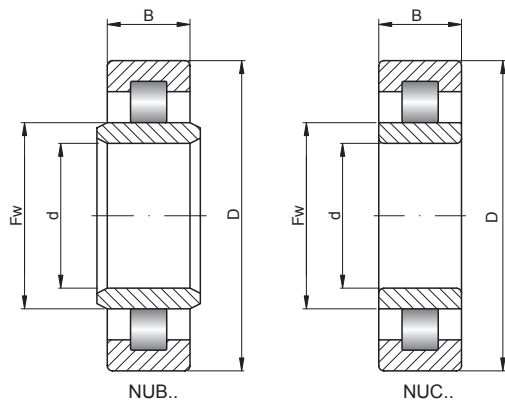


420 – 560 mm



Shaft [mm]	Bearing No.	Inner ring IR	Series		Dimensions [mm]				Weight [kg]
			SD	SB	d	D	B	Fw	
420 cont.	NU2084	IR420X469X118	0	2	420	620	118	469	125
	NU3084	IR420X470X150	0	3	420	620	150	470	156
	NU3184	IR420X485X224	1	3	420	700	224	485	380
440	NU2888	IR440X464X60	8	2	440	540	60	464	34
	NU1988	IR440X482X74	9	0	440	600	74	482	64
	NU2988	IR440X482X95	9	2	440	600	95	482	84
	NU3988	IR440X482X118	9	3	440	600	118	482	105
	NU1088	IR440X493X94	0	0	440	650	94	493	109
	NU2088	IR440X487X122	0	2	440	650	122	487	145
	NU3188	IR440X509X226	1	3	440	720	226	509	395
460	NU2892	IR460X489X72	8	2	460	580	72	489	48
	NU1992	IR460X500X74	9	0	460	620	74	500	60,8
	NU2992	IR460X495X95	9	2	460	620	95	495	89
	NU1092	IR460X516X100	0	0	460	680	100	516	127
	NU2092	IR460X513X128	0	2	460	680	128	513	165
	NU3092	IR460X519X163	0	3	460	680	163	519	206
	NU3192	IR460X529,5X240	1	3	460	760	240	529,5	455
	NU1292	IR460X554X165	2	1	460	830	165	554	415
	NU2292	IR460X554X212	2	2	460	830	212	554	530
480	NU1896	IR480X511X56	8	0	480	600	56	511	39,5
	NU2896	IR480X511X72	8	2	480	600	72	511	47,5
	NU1996	IR480X525X78	9	0	480	650	78	525	72,7
	NU2996	IR480X525X100	9	2	480	650	100	525	96,8
	NU1096	IR480X536X100	0	0	480	700	100	536	134
	NU2096	IR480X533X128	0	2	480	700	128	533	170
	NU3096	IR480X539X165	0	3	480	700	165	539	216
	NU3196	IR480X547X248	1	3	480	790	248	547	500
500	NU18/500	IR500X534X56	8	0	500	620	56	534	37,3
	NU28/500	IR500X530X72	8	2	500	620	72	530	50
	NU38/500	IR500X534X90	8	3	500	620	90	534	61,8
	NU19/500	IR500X546X78	9	0	500	670	78	546	78,5
	NU29/500	IR500X546X100	9	2	500	670	100	546	101
	NU39/500	IR500X544X128	9	3	500	670	128	544	130
	NU10/500	IR500X556X100	0	0	500	720	100	556	141
	NU20/500	IR500X553X128	0	2	500	720	128	553	180
	NU30/500	IR500X553X167	0	3	500	720	167	553	225
	NU31/500	IR500X576X264	1	3	500	830	264	576	595
	NU12/500	IR500X603X185	2	1	500	920	185	603	585
530	NU28/530	IR530X560,5X72	8	2	530	650	72	560,5	52
	NU19/530	IR530X575X82	9	0	530	710	82	575	86,9
	NU29/530	IR530X577X106	9	2	530	710	106	577	118
	NU10/530	IR530X589X112	0	0	530	780	112	589	190
	NU20/530	IR530X591X145	0	2	530	780	145	591	255
	NU30/530 E	IR530X589X185	0	3	530	780	185	589	309
	NU31/530	IR530X612X272	1	3	530	870	272	612	660
560	NU18/560	IR560X591X56	8	0	560	680	56	591	44,5
	NU19/560	IR560X613X85	9	0	560	750	85	613	105
	NU29/560	IR560X613X112	9	2	560	750	112	613	140
	NU10/560	IR560X630X115	0	0	560	820	115	630	210
	NU20/560	IR560X626X150	0	2	560	820	150	626	290

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Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*									Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUB	NUC	
2460	4750	900	1400	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU2084
1380	4770	900	1400	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU3084
4950	9000	750	1300	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU3184
809	1900	1100	1500	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU2888
1060	2000	1100	1400	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU1988
1720	3600	1100	1400	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU2988
1980	4250	900	1100	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU3988
1490	2520	680	800	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU1088
2550	4900	8500	1300	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU2088
5120	9650	700	1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU3188
1080	2400	1100	1400	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU2892
1060	1990	1000	1350	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU1992
1720	3600	1000	1300	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU2992
1590	2730	630	750	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU1092
2810	5400	800	1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU2092
2960	6150	850	1300	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU3092
5280	9650	670	1100	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU3192
4180	6800	750	1100	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU1292
5120	8650	700	1100	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU2292
765	1630	1000	1300	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU1896
1100	2450	1000	1300	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU2896
1130	2200	950	1300	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU1996
1600	3450	900	1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU2996
1700	3100	600	700	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU1096
2860	5600	750	1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU2096
3030	6410	800	1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU3096
5940	10800	630	1100	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU3196
705	1560	900	1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU18/500
1170	2700	950	1300	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU28/500
1210	3140	800	1000	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU38/500
1480	3160	900	1250	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU19/500
1940	4500	860	1100	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU29/500
2330	5200	800	1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU39/500
2270	4440	570	650	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU10/500
2920	5850	750	1100	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU20/500
4020	8000	750	1100	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU30/500
6440	12000	600	1000	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU31/500
5280	8500	670	950	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU12/500
1170	2750	900	1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU28/530
1320	2560	870	1190	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU19/530
2160	4850	830	1050	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU29/530
2290	4050	800	1000	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU10/530
3740	7350	670	1000	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU20/530
4740	10100	700	1000	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU30/530 E
7480	14600	560	950	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU31/530
809	1830	850	1100	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU18/560
1600	3260	830	1100	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU19/560
2040	4480	780	1000	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU29/560
2890	5630	540	600	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU10/560
3800	7650	630	1000	✓	✓	✓	✓	✓	✓	✓	✓	✓	NU20/560

* Other products also available

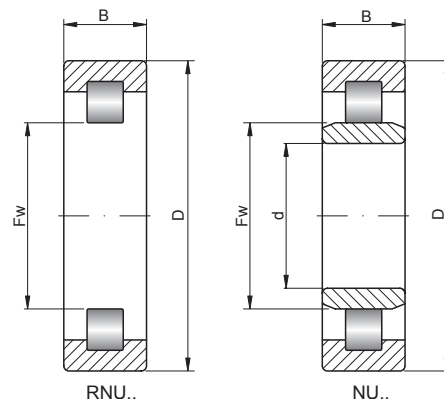


5. CYLINDRICAL ROLLER BEARINGS

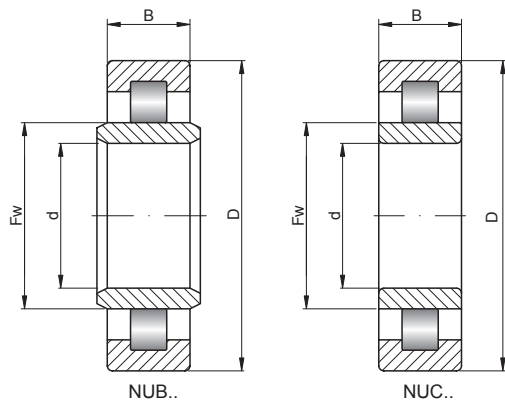
5.1. Single-row cylindrical roller bearings - types – NU, NUB, NUC



560 – 1000 mm



Shaft [mm]	Bearing No.	Inner ring IR	Series		Dimensions [mm]				Weight [kg]
			SD	SB	d	D	B	Fw	
560 cont.	NU31/560	IR560X648X280	1	3	560	920	280	648	745
	NU12/560	IR560X668X206	2	1	560	1030	206	668	805
600	NU18/600	IR600X632X60	8	0	600	730	60	632	50,5
	NU28/600	IR600X632X78	8	2	600	730	78	632	70
	NU19/600	IR600X652X90	9	0	600	800	90	652	126
	NU29/600	IR600X649X118	9	2	600	800	118	649	165
	NU10/600	IR600X661X118	0	0	600	870	118	661	245
	NU20/600	IR600X661X155	0	2	600	870	155	661	325
	NU30/600	IR600X661X200	0	3	600	870	200	661	415
	NU2/600	IR600X749X155	2	0	600	1090	155	749	710
630	NU18/630	IR630X667X69	8	0	630	780	69	667	75
	NU28/630	IR630X671X88	8	2	630	780	88	671	91,8
	NU19/630	IR630X689X100	9	0	630	850	100	689	165
	NU29/630	IR630X689X128	9	2	630	850	128	689	210
	NU10/630	IR630X699X128	0	0	630	920	128	699	285
	NU20/630	IR630X699X170	0	2	630	920	170	699	400
	NU30/630	IR630X699X212	0	3	630	920	212	699	490
	NU12/630	IR630X751X230	2	1	630	1150	230	751	1100
670	NU18/670	IR670X708X69	8	0	670	820	69	708	76,6
	NU19/670	IR670X728X103	9	0	670	900	103	728	195
	NU10/670	IR670X747X136	0	0	670	980	136	747	350
	NU20/670	IR670X747X180	0	2	670	980	180	747	480
	NU30/670	IR670X747X230	0	3	670	980	230	747	600
710	NU18/710	IR710X751X74	8	0	710	870	74	751	95,4
	NU19/710	IR710X774X106	9	0	710	950	106	774	215
	NU29/710	IR710X774X140	9	2	710	950	140	774	279
	NU10/710	IR710X778X140	0	0	710	1030	140	778	415
	NU20/710	IR710X778X185	0	2	710	1030	185	778	540
750	NU18/750	IR750X794X78	8	0	750	920	78	794	115
	NU10/750	IR750X830X150	0	0	750	1090	150	830	490
	NU20/750	IR750X830X195	0	2	750	1090	195	830	635
800	NU18/800	IR800X846X82	8	0	800	980	82	846	145
	NU10/800	IR800X890X155	0	0	800	1150	155	890	545
	NU20/800	IR800X882X200	0	2	800	1150	200	882	715
850	NU28/850	IR850X900X106	8	2	850	1030	106	900	175
	NU19/850	IR850X917X118	9	0	850	1120	118	917	310
900	NU18/900	IR900X949X85	8	0	900	1090	85	949	170
	NU28/900	IR900X949X112	8	2	900	1090	112	949	235
	NU19/900	IR900X969X122	9	0	900	1180	122	969	380
	NU29/900	IR900X969X165	9	2	900	1180	165	969	560
950	NU38/950	IR950X1002X150	8	3	950	1150	150	1002	312
	NU29/950	IR950X1024X175	9	2	950	1250	175	1024	745
1000	NU18/1000	IR1000X1053X100	8	0	1000	1220	100	1053	265
	NU28/1000	IR1000X1053X128	8	2	1000	1220	128	1053	345
	NU29/1000	IR1000X1082X185	9	2	1000	1320	185	1082	700



Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*									Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUB	NUC	
7420	15100	540	900	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU31/560
7210	11200	560	800	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU12/560
897	2040	800	1000	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU18/600
1320	3450	750	1000	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU28/600
1980	4170	800	1050	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU19/600
2920	6550	750	950	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU29/600
2750	5100	700	900	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU10/600
4180	8000	600	900	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU20/600
5390	11000	600	900	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU30/600
5610	9800	480	850	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU2/600
1100	2500	800	1000	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU18/630
1510	3690	650	850	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU28/630
2450	5240	700	950	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU19/630
3100	7080	680	850	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU29/630
3410	6200	630	850	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU10/630
4730	9500	560	850	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU20/630
6440	14300	530	850	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU30/630
8580	13700	450	700	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU12/630
1530	3750	750	950	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU18/670
2330	4750	630	850	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU19/670
3740	6800	600	800	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU10/670
5390	11000	500	800	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU20/670
6600	14000	500	800	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU30/670
1750	4400	700	900	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU18/710
2910	6370	570	760	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU19/710
3650	8530	600	800	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU29/710
4680	8500	560	750	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU10/710
5940	12000	480	700	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU20/710
1470	3450	600	800	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU18/750
4730	8800	430	670	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU10/750
7040	14600	430	670	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU20/750
1720	4150	530	700	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU18/800
5180	10900	510	550	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU10/800
7040	14600	400	630	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU20/800
2120	5960	500	700	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU28/850
3630	8190	500	650	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU19/850
1980	4900	450	600	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU18/900
2700	7200	450	600	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU28/900
4130	8800	430	560	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU19/900
5830	14000	430	560	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU29/900
4030	12100	400	600	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU38/950
5830	14000	400	530	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU29/950
2640	6550	400	530	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU18/1000
3690	10000	400	530	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU28/1000
7040	17300	360	480	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU29/1000

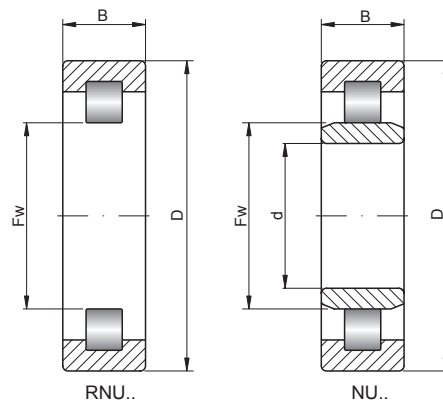
* Other products also available

5. CYLINDRICAL ROLLER BEARINGS

5.1. Single-row cylindrical roller bearings - types – NU, NUB, NUC

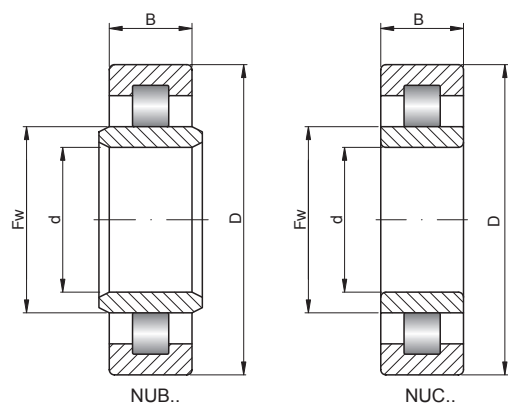


1060– 1700 mm



Shaft [mm]	Bearing No.	Inner ring IR	Series		Dimensions [mm]				Weight [kg]
			SD	SB	d	D	B	Fw	
1060	NU29/1060	IR1060X1146X195	9	2	1060	1400	195	1146	870
	NU39/1060	IR1060X1146X250	9	3	1060	1400	250	1146	1070
1120	NU18/1120	IR1120X1182X106	8	0	1120	1360	106	1182	335
	NU30/1120	IR1120X1231X345	0	3	1120	1580	345	1231	2150
1180	NU18/1180	IR1180X1242X106	8	0	1180	1420	106	1242	350
	NU29/1180	IR1180X1258X206	9	2	1180	1540	206	1258	1090
1320	NU18/1320	IR1320X1395X122	8	0	1320	1600	122	1395	530
	NU29/1320	IR1320X1420X230	9	2	1320	1720	230	1420	1500
1600	NU18/1600	IR1600X1694X155	8	0	1600	1950	155	1694	986
1700	NU18/1700	IR1700X1784X160	8	0	1700	2060	160	1784	1150

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Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*									Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUB	NUC	
7210	17300	280	340	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU29/1060
9130	24000	260	320	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU39/1060
3410	8650	280	340	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU18/1120
15700	39000	190	240	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU30/1120
3030	7800	260	320	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU18/1180
8970	21600	190	240	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU29/1180
3800	10000	260	340	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU18/1320
11400	30500	240	320	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU29/1320
7060	20100	200	240	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU18/1600
7210	19300	160	200	↗	↗	↗	↗	↗	↗	↗	↗	↗	NU18/1700

* Other products also available

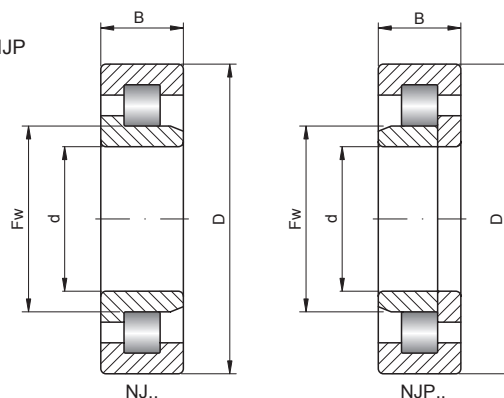


5. CYLINDRICAL ROLLER BEARINGS

5.2. Single-row cylindrical roller bearings - types - NJ, NJP



15 – 45 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
15	NJ202 E	2	0	15	35	11	19,3	0,049	12,7	10,4
	NJ302 E	3	0	15	42	13	21	0,09	19,4	15,3
17	NJ203 E	2	0	17	40	12	22,1	0,071	17,6	14,6
	NJ2203 E	2	2	17	40	16	22,1	0,094	24	22
	NJ303 E	3	0	17	47	14	24,2	0,123	25,5	21,2
20	NJ204 E	2	0	20	47	14	26,5	0,115	25,7	22,6
	NJ2204 E	2	2	20	47	18	26,5	0,15	30,6	28,3
	NJ304 E	3	0	20	52	15	27,5	0,157	31,5	26,9
	NJ2304 E	3	2	20	52	21	27,5	0,221	42	38,8
25	NJ1005	0	0	25	47	12	30,5	0,086	14,3	13,1
	NJ205 E	2	0	25	52	15	31,5	0,142	29,3	27,7
	NJ2205 E	2	2	25	52	18	31,5	0,17	34,9	34,6
	NJ305 E	3	0	25	62	17	34	0,249	41,6	37,4
	NJ2305 E	3	2	25	62	24	34	0,359	57	56,1
30	NJ1006	0	0	30	55	13	36,5	0,124	18,7	18,4
	NJ206 E	2	0	30	62	16	37,5	0,214	39,1	37,4
	NJ2206 E	2	2	30	62	20	37,5	0,269	48,9	49,8
	NJ3206	2	3	30	62	23,8	38,5	0,352	42,7	46,4
	NJ306 E	3	0	30	72	19	40,5	0,37	53,1	50,2
	NJ2306 E	3	2	30	72	27	40,5	0,548	74,6	77,6
	NJ3306	3	3	30	72	30,2	42	0,667	69,1	74,3
	NJ406	4	0	30	90	23	45	0,773	62,8	55
35	NJ1007	0	0	35	62	14	42	0,187	22,6	23,2
	NJ207 E	2	0	35	72	17	44	0,314	50,2	50,2
	NJ2207 E	2	2	35	72	23	44	0,415	61,6	65,3
	NJ3207	2	3	35	72	27	43,8	0,538	54,8	59,1
	NJ307 E	3	0	35	80	21	46,2	0,495	66,6	65,4
	NJ2307 E	3	2	35	80	31	46,2	0,748	93,1	101
	NJ3307	3	3	35	80	34,9	46,2	0,932	81,7	89,1
	NJ407	4	0	35	100	25	53	1,047	75,2	68,9
40	NJ1008	0	0	40	68	15	47	0,229	24,9	25,7
	NJ208 E	2	0	40	80	18	49,5	0,394	55,7	55,4
	NJ2208 E	2	2	40	80	23	49,5	0,503	72,3	77,6
	NJ5208	2	5	40	80	30,16	49,3	0,757	57	98,1
	NJ3208	2	3	40	80	30,2	50	0,73	78,3	90,6
	NJ308 E	3	0	40	90	23	52	0,681	83,1	81,5
	NJ2308 E	3	2	40	90	33	52	0,987	114	122
	NJ3308	3	3	40	90	36,5	53,5	1,221	104	119
	NJ408	4	0	40	110	27	58	1,334	97,1	89,1
45	NJ1009	0	0	45	75	16	52,5	0,297	31	33,8
	NJ2009	0	2	45	75	19	52,5	0,349	52,8	64
	NJ209 E	2	0	45	85	19	54,5	0,451	63,1	66,4
	NJ2209 E	2	2	45	85	23	54,5	0,55	76,1	84,6
	NJ5209	2	5	45	85	30,16	55,5	0,818	89,1	117,7
	NJ3209	2	3	45	85	30,2	55	0,79	82,4	99
	NJ309 E	3	0	45	100	25	58,5	0,933	97,4	98,3
	NJ2309 E	3	2	45	100	36	58,5	1,355	137	153
	NJ3309	3	3	45	100	39,7	58,5	1,632	131	149
	NJ409	4	0	45	120	29	64,5	1,683	115	112

Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	NJP	
19000	22000	☐	☑	☑	☑	☐	☐	☑	☑	NJ202 E
16000	19000	☐	☑	☑	☑	☐	☐	☑	☑	NJ302 E
17000	20000	☐	☑	☑	☑	☐	☐	☑	☑	NJ203 E
16000	18500	☐	☑	☑	☑	☐	☐	☑	☑	NJ2203 E
14000	17000	☐	☑	☑	☑	☐	☐	☑	☑	NJ303 E
15000	18000	☐	☑	☑	☑	☐	☐	☑	☑	NJ204 E
13000	18000	☐	☑	☑	☑	☐	☐	☑	☑	NJ2204 E
12000	16000	☐	☑	☑	☑	☐	☐	☑	☑	NJ304 E
11000	16000	☐	☑	☑	☑	☐	☐	☑	☑	NJ2304 E
15000	18000	☐	☑	☑	☑	☐	☐	☑	☑	NJ1005
13000	15000	☐	☑	☑	☑	☐	☐	☑	☑	NJ205 E
12000	15000	☐	☑	☑	☑	☐	☐	☑	☑	NJ2205 E
10000	14000	☐	☑	☑	☑	☐	☐	☑	☑	NJ305 E
9100	14000	☐	☑	☑	☑	☐	☐	☑	☑	NJ2305 E
13000	15000	☐	☑	☑	☑	☐	☐	☑	☑	NJ1006
11000	13000	☐	☑	☑	☑	☐	☐	☑	☑	NJ206 E
9700	13000	☐	☑	☑	☑	☐	☐	☑	☑	NJ2206 E
8700	13000	☐	☑	☑	☑	☐	☐	☑	☑	NJ3206
8700	12000	☐	☑	☑	☑	☐	☐	☑	☑	NJ306 E
7800	12000	☐	☑	☑	☑	☐	☐	☑	☑	NJ2306 E
7700	12000	☐	☑	☑	☑	☐	☐	☑	☑	NJ3306
7600	10000	☐	☐	☑	☑	☐	☐	☑	☑	NJ406
11000	13000	☐	☑	☑	☑	☐	☐	☑	☑	NJ1007
9300	11000	☐	☑	☑	☑	☐	☐	☑	☑	NJ207 E
8300	11000	☐	☑	☑	☑	☐	☐	☑	☑	NJ2207 E
7600	11000	☐	☑	☑	☑	☐	☐	☑	☑	NJ3207
7700	10000	☐	☑	☑	☑	☐	☐	☑	☑	NJ307 E
6900	10000	☐	☑	☑	☑	☐	☐	☑	☑	NJ2307 E
7000	10000	☐	☑	☑	☑	☐	☐	☑	☑	NJ3307
6600	8800	☐	☐	☑	☑	☐	☐	☑	☑	NJ407
10000	12000	☐	☑	☑	☑	☐	☐	☑	☑	NJ1008
8300	9900	☐	☑	☑	☑	☐	☐	☑	☑	NJ208 E
7400	9900	☐	☑	☑	☑	☐	☐	☑	☑	NJ2208 E
7500	8900	☐	☑	☑	☑	☐	☐	☑	☑	NJ5208
6700	10000	☐	☑	☑	☑	☐	☐	☑	☑	NJ3208
6800	9100	☐	☑	☑	☑	☐	☐	☑	☑	NJ308 E
6100	9100	☐	☑	☑	☑	☐	☐	☑	☑	NJ2308 E
6100	9100	☐	☑	☑	☑	☐	☐	☑	☑	NJ3308
6000	8000	☐	☐	☑	☑	☐	☐	☑	☑	NJ408
9200	11000	☐	☑	☑	☑	☐	☐	☑	☑	NJ1009
9000	11000	☐	☑	☑	☑	☐	☐	☑	☑	NJ2009
7600	9200	☐	☑	☑	☑	☐	☐	☑	☑	NJ209 E
6900	9200	☐	☑	☑	☑	☐	☐	☑	☑	NJ2209 E
6700	7900	☐	☑	☑	☑	☐	☐	☑	☑	NJ5209
6100	9200	☐	☑	☑	☑	☐	☐	☑	☑	NJ3209
6100	8200	☐	☑	☑	☑	☐	☐	☑	☑	NJ309 E
5400	8200	☐	☑	☑	☑	☐	☐	☑	☑	NJ2309 E
5500	8300	☐	☑	☑	☑	☐	☐	☑	☑	NJ3309
5400	7200	☐	☐	☑	☑	☐	☐	☑	☑	NJ409

* Other products also available

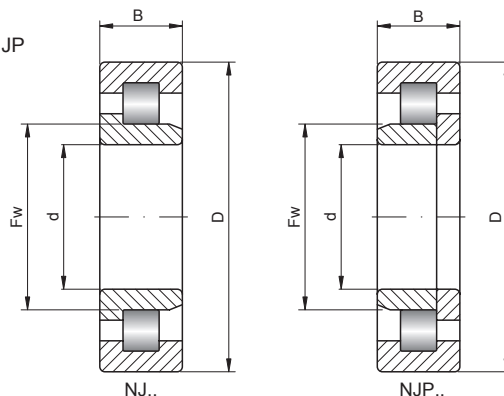


5. CYLINDRICAL ROLLER BEARINGS

5.2. Single-row cylindrical roller bearings - types - NJ, NJP



50 – 75 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
50	NJ1010	0	0	50	80	16	57,5	0,314	33,6	36,8
	NJ210 E	2	0	50	90	20	59,5	0,51	66,1	71,9
	NJ2210 E	2	2	50	90	23	59,5	0,595	79,7	91,5
	NJ5210	2	5	50	90	30,16	60,4	0,9	92,6	128
	NJ3210	2	3	50	90	30,2	60,4	0,851	86,2	108
	NJ310 E	3	0	50	110	27	65	1,18	110	113
	NJ2310 E	3	2	50	110	40	65	1,806	163	187
	NJ3310	3	3	50	110	44,4	65	2,196	156	183
	NJ410	4	0	50	130	31	70,8	2,063	139	136
55	NJ1011	0	0	55	90	18	64,5	0,457	37,4	43,8
	NJ211 E	2	0	55	100	21	66	0,667	86,4	98,7
	NJ2211 E	2	2	55	100	25	66	0,827	101	122
	NJ3211	2	3	55	100	33,3	66,5	1,17	95,5	118
	NJ5211	2	5	55	100	33,34	66,9	1,232	119	171
	NJ311 E	3	0	55	120	29	70,5	1,539	137	143
	NJ2311 E	3	2	55	120	43	70,5	2,309	201	233
	NJ3311	3	3	55	120	49,2	70,5	2,884	188	220
	NJ411	4	0	55	140	33	77,2	2,576	142	138
60	NJ1012	0	0	60	95	18	69,5	0,49	42,1	50
	NJ212 E	2	0	60	110	22	72	0,852	97,7	107
	NJ2212 E	2	2	60	110	28	72	1,119	131	157
	NJ3212	2	3	60	110	36,5	73,5	1,56	128	167
	NJ5212	2	5	60	110	36,5	72,3	1,632	150	211
	NJ312 E	3	0	60	130	31	77	1,919	150	157
	NJ2312 E	3	2	60	130	46	77	2,884	223	262
	NJ3312	3	3	60	130	54	77	3,705	220	265
	NJ412	4	0	60	150	35	83	3,099	178	184
65	NJ1013	0	0	65	100	18	74,5	0,519	43,3	52,9
	NJ3013	0	3	65	100	26	74,5	0,72	105	146
	NJ213 E	2	0	65	120	23	78,5	1,078	108	119
	NJ2213 E	2	2	65	120	31	78,5	1,488	149	181
	NJ3213	2	3	65	120	38,1	79,6	1,95	148	197
	NJ5213	2	5	65	120	38,1	80,4	1,929	139	196
	NJ313 E	3	0	65	140	33	82,5	2,371	181	191
	NJ2313 E	3	2	65	140	48	82,5	3,45	251	287
	NJ3313	3	3	65	140	58,7	83,5	4,65	241	294
70	NJ413	4	0	65	160	37	89,3	3,67	198	203
	NJ1014	0	0	70	110	20	80	0,72	57,9	70,4
	NJ214 E	2	0	70	125	24	83,5	1,19	119	137
	NJ2214 E	2	2	70	125	31	83,5	1,57	156	194
	NJ5214	2	5	70	125	39,69	84,8	2,28	178	261
	NJ3214	2	3	70	125	39,7	84,5	2,14	147	198
	NJ314 E	3	0	70	150	35	89	2,88	205	222
	NJ2314 E	3	2	70	150	51	89	4,19	275	323
	NJ3314	3	3	70	150	63,5	90	5,77	283	356
75	NJ414	4	0	70	180	42	100	5,4	246	257
	NJ1015	0	0	75	115	20	85	0,75	63,6	78,1
	NJ215 E	2	0	75	130	25	88,5	1,32	130	156
	NJ2215 E	2	2	75	130	31	88,5	1,65	162	207
	NJ5215	2	5	75	130	41,28	89	2,47	196	299
	NJ3215	2	3	75	130	41,3	88,5	2,34	167	226

Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	NJP	
8400	9900	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1010
7100	8500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ210 E
6400	8500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2210 E
6300	7500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5210
5700	8500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3210
5500	7400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ310 E
4900	7400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2310 E
5000	7500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3310
4900	6600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ410
7600	8900	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1011
6400	7700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ211 E
5800	7700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2211 E
5100	7700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3211
5600	6700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5211
5100	6700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ311 E
4500	6700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2311 E
4500	6800	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3311
4600	6100	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ411
7000	8300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1012
5800	6900	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ212 E
5200	6900	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2212 E
4700	7000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3212
5300	6300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5212
4600	6200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ312 E
4100	6200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2312 E
4200	6300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3312
4200	5700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ412
6600	7800	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1013
6300	7500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3013
5300	6400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ213 E
4800	6400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2213 E
4300	6400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3213
4700	5600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5213
4300	5700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ313 E
3800	5700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2313 E
3900	5800	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3313
4000	5300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ413
6100	7200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1014
5000	6000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ214 E
4500	6000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2214 E
4700	5600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5214
4100	6100	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3214
4000	5300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ314 E
3600	5300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2314 E
3600	5400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3314
3500	4700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ414
5700	6800	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1015
4800	5700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ215 E
4300	5700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2215 E
4500	5300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5215
3900	5800	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3215

* Other products also available

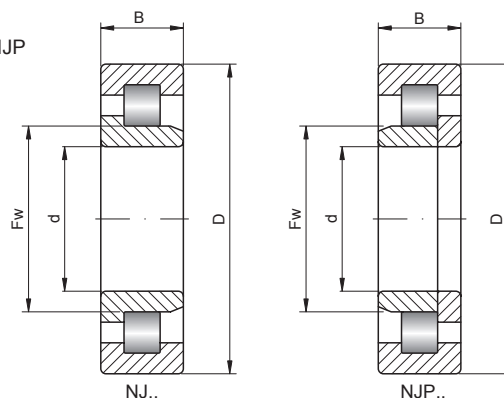


5. CYLINDRICAL ROLLER BEARINGS

5.2. Single-row cylindrical roller bearings - types - NJ, NJP



75 – 100 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
75 cont.	NJ315 E	3	0	75	160	37	95	3,46	240	263
	NJ2315 E	3	2	75	160	55	95	5,13	329	395
	NJ3315	3	3	75	160	68,3	95,5	7,04	338	430
	NJ415	4	0	75	190	45	104,5	6,41	265	274
80	NJ1016	0	0	80	125	22	91,5	1,02	69,3	86,4
	NJ216 E	2	0	80	140	26	95,3	1,6	139	167
	NJ2216 E	2	2	80	140	33	95,3	2,08	186	243
	NJ3216	2	3	80	140	44,4	95,3	2,95	190	259
	NJ5216	2	5	80	140	44,45	95,2	2,99	185	282
	NJ316 E	3	0	80	170	39	101	4,11	259	282
	NJ2316 E	3	2	80	170	58	101	6,11	361	431
	NJ3316	3	3	80	170	68,3	103	7,92	338	436
85	NJ416	4	0	80	200	48	110	7,47	302	315
	NJ1017	0	0	85	130	22	96,5	1,07	71,4	91,2
	NJ217 E	2	0	85	150	28	100,5	1,99	167	199
	NJ2217 E	2	2	85	150	36	100,5	2,6	218	279
	NJ3217	2	3	85	150	49,2	101,8	3,77	215	296
	NJ5217	2	5	85	150	49,21	102	3,79	211	316
	NJ317 E	3	0	85	180	41	108	4,93	291	330
	NJ2317 E	3	2	85	180	60	108	7,16	394	485
90	NJ3317	3	3	85	180	73	108	9,47	399	517
	NJ417	4	0	85	210	52	113	8,91	340	350
	NJ1018	0	0	90	140	24	103	1,38	84,7	109
	NJ218 E	2	0	90	160	30	107	2,44	182	217
	NJ2218 E	2	2	90	160	40	107	3,29	242	314
	NJ3218	2	3	90	160	52,4	107	4,61	270	373
	NJ5218	2	5	90	160	52,4	107,2	4,6	237	355
	NJ318 E	3	0	90	190	43	113,5	5,61	316	355
95	NJ2318 E	3	2	90	190	64	113,5	8,33	437	534
	NJ3318	3	3	90	190	73	115	10,57	428	559
	NJ418	4	0	90	225	54	123,5	10,57	374	400
	NJ1019	0	0	95	145	24	108	1,44	87,2	115
	NJ219 E	2	0	95	170	32	112,5	3	221	265
	NJ2219 E	2	2	95	170	43	112,5	4,03	287	371
	NJ5219	2	5	95	170	55,56	113,5	5,8	335	511
	NJ3219	2	3	95	170	55,6	113,5	5,56	297	412
100	NJ319 E	3	0	95	200	45	121,5	6,59	334	387
	NJ2319 E	3	2	95	200	67	121,5	9,64	394	496
	NJ3319	3	3	95	200	77,8	121,5	12,42	487	654
	NJ419	4	0	95	240	55	133,5	13,96	410	444
	NJ1920	9	0	100	140	20	110	0,94	67,7	94,4
	NJ1020	0	0	100	150	24	113	1,5	91	120
	NJ220 E	2	0	100	180	34	119	3,61	250	306
	NJ2220 E	2	2	100	180	46	119	4,95	334	444
	NJ3220	2	3	100	180	60,3	120	6,79	327	459
	NJ100X180X60,3	-	-	100	180	60,3	-	6	350	450
	NJ5220	2	5	100	180	60,32	121	6,66	304	473
	NJ320 E	3	0	100	215	47	127,5	7,95	379	424
	NJ2320 E	3	2	100	215	73	127,5	12,42	570	717
	NJ3320	3	3	100	215	82,6	129,5	15,39	530	706
	NJ420	4	0	100	250	58	139	14,37	458	498

Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	NJP	
3700	5000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ315 E
3300	5000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2315 E
3400	5000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3315
3300	4400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ415
5300	6300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1016
4400	5300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ216 E
4000	5300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2216 E
3600	5400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3216
4200	5000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5216
3500	4700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ316 E
3100	4700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2316 E
3100	4700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3316
3100	4200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ416
5100	6000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1017
4200	5000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ217 E
3700	5000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2217 E
3300	5000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3217
3800	4500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5217
3300	4400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ317 E
2900	4400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2317 E
3000	4500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3317
3000	4000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ417
4700	5600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1018
3900	4700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ218 E
3500	4700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2218 E
3100	4700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3218
3500	4200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5218
3100	4100	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ318 E
2800	4100	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2318 E
2800	4200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3318
2800	3700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ418
4500	5300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1019
3700	4400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ219 E
3300	4400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2219 E
3300	4000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5219
3000	4400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3219
2900	3900	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ319 E
2600	4000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2319 E
2600	4000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3319
2600	3400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ419
4500	5300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1920
4300	5100	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1020
3500	4200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ220 E
3100	4200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2220 E
2800	4200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3220
-	-	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ100X180X60,3
3200	3800	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5220
2700	3600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ320 E
2400	3600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2320 E
2500	3700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3320
2500	3300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ420

* Other products also available

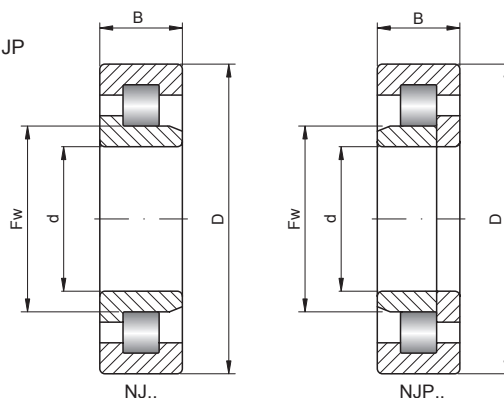


5. CYLINDRICAL ROLLER BEARINGS

5.2. Single-row cylindrical roller bearings - types - NJ, NJP



105 – 140 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
105	NJ1921	9	0	105	145	20	115	0,98	71	102
	NJ1021	0	0	105	160	26	119,5	1,9	108	149
	NJ221 E	2	0	105	190	36	125,5	4,11	201	241
	NJ3221	2	3	105	190	65,1	126,8	8,21	344	482
	NJ5221	2	5	105	190	65,1	126,5	8,15	362	573
	NJ321 E	3	0	105	225	49	133	8,99	440	500
	NJ3321	3	3	105	225	87,3	135	17,86	638	871
	NJ421	4	0	105	260	60	144,5	19,6	471	510
110	NJ1022	0	0	110	170	28	125	2,37	134	171
	NJ222 E	2	0	110	200	38	132,5	5,03	293	365
	NJ2222 E	2	2	110	200	53	132,5	7,11	384	517
	NJ3222	2	3	110	200	69,8	132,5	9,8	427	607
	NJ5222	2	5	110	200	69,85	132,9	10,26	464	736
	NJ110X215X73	-	-	110	215	73	-	12,4	490	680
	NJ322 E	3	0	110	240	50	143	10,98	451	525
	NJ2322 E	3	2	110	240	80	143	19,29	680	880
	NJ3322	3	3	110	240	92,1	143	21,65	678	918
	NJ422	4	0	110	280	65	155	20,42	550	621
	NJ118X240X80	-	-	118	240	80	-	17,1	550	740
120	NJ2924	9	2	120	180	27	131,5	1,77	116	188
	NJ1024	0	0	120	180	28	135	2,53	137	181
	NJ224 E	2	0	120	215	40	143,5	6	336	421
	NJ2224 E	2	2	120	215	58	143,5	8,79	452	619
	NJ3224	2	3	120	215	76	143,5	12,21	477	695
	NJ5224	2	5	120	215	76,2	145,1	12,11	482	794
	NJ120X240X80	-	-	120	240	80	-	15,8	550	740
	NJ324 E	3	0	120	260	55	154	13,75	528	610
	NJ2324 E	3	2	120	260	86	154	23,71	793	1030
	NJ3324	3	3	120	260	106	154	29,04	826	1120
	NJ424	4	0	120	310	72	170	28,74	690	770
130	NJ1926	9	0	130	180	24	142	1,84	112	163
	NJ2926	9	2	130	180	30	142	2,33	152	243
	NJ1026	0	0	130	200	33	148	3,87	171	238
	NJ2026	0	2	130	200	42	147	4,72	297	440
	NJ226 E	2	0	130	230	40	153,5	6,77	364	453
	NJ2226 E	2	2	130	230	64	153,5	11,49	530	737
	NJ5226	2	5	130	230	79,38	155	14,16	511	841
	NJ3226	2	3	130	230	80	156	14,47	550	857
	NJ130X240X80	-	-	130	240	80	-	16,5	540	780
	NJ130X250X80	-	-	130	250	80	-	18,9	470	600
	NJ326 E	3	0	130	280	58	167	17,14	616	736
	NJ2326 E	3	2	130	280	93	167	29,87	920	1230
	NJ3326	3	3	130	280	112	167	35,51	936	1290
	NJ426	4	0	130	340	78	185	37,05	771	876
140	NJ1928	9	0	140	190	24	152	1,95	117	177
	NJ2928	9	2	140	190	30	152	2,56	165	275
	NJ1028	0	0	140	210	33	158	4,11	175	250
	NJ228 E	2	0	140	250	42	169	8,72	392	514
	NJ2228 E	2	2	140	250	68	169	14,68	572	835
	NJ5228	2	5	140	250	82,55	168,4	17,55	596	981
	NJ3228	2	3	140	250	88	169	18,99	604	939

- warehouse - order - phone

Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	NJP	
4100	4900	☞	☞	☞	☞	☞	☞	☞	☞	NJ1921
4100	4800	☞	☞	☞	☞	☞	☞	☞	☞	NJ1021
3300	3900	☞	☞	☞	☞	☞	☞	☞	☞	NJ221 E
2600	3900	☞	☞	☞	☞	☞	☞	☞	☞	NJ3221
3000	3500	☞	☞	☞	☞	☞	☞	☞	☞	NJ5221
2600	3500	☞	☞	☞	☞	☞	☞	☞	☞	NJ321 E
2300	3500	☞	☞	☞	☞	☞	☞	☞	☞	NJ3321
2400	3100	☞	☞	☞	☞	☞	☞	☞	☞	NJ421
3800	4500	☞	☞	☞	☞	☞	☞	☞	☞	NJ1022
3100	3700	☞	☞	☞	☞	☞	☞	☞	☞	NJ222 E
2800	3700	☞	☞	☞	☞	☞	☞	☞	☞	NJ2222 E
2500	3700	☞	☞	☞	☞	☞	☞	☞	☞	NJ3222
3000	3500	☞	☞	☞	☞	☞	☞	☞	☞	NJ5222
-	-	☞	☞	☞	☞	☞	☞	☞	☞	NJ110X215X73
2400	3200	☞	☞	☞	☞	☞	☞	☞	☞	NJ322 E
2200	3200	☞	☞	☞	☞	☞	☞	☞	☞	NJ2322 E
2200	3300	☞	☞	☞	☞	☞	☞	☞	☞	NJ3322
2200	2900	☞	☞	☞	☞	☞	☞	☞	☞	NJ422
-	-	☞	☞	☞	☞	☞	☞	☞	☞	NJ118X240X80
3700	4600	☞	☞	☞	☞	☞	☞	☞	☞	NJ2924
3500	4200	☞	☞	☞	☞	☞	☞	☞	☞	NJ1024
2800	3400	☞	☞	☞	☞	☞	☞	☞	☞	NJ224 E
2600	3400	☞	☞	☞	☞	☞	☞	☞	☞	NJ2224 E
2300	3400	☞	☞	☞	☞	☞	☞	☞	☞	NJ3224
2700	3200	☞	☞	☞	☞	☞	☞	☞	☞	NJ5224
-	-	☞	☞	☞	☞	☞	☞	☞	☞	NJ120X240X80
2200	3000	☞	☞	☞	☞	☞	☞	☞	☞	NJ324 E
2000	3000	☞	☞	☞	☞	☞	☞	☞	☞	NJ2324 E
2000	3000	☞	☞	☞	☞	☞	☞	☞	☞	NJ3324
1900	2600	☞	☞	☞	☞	☞	☞	☞	☞	NJ424
3600	4600	☞	☞	☞	☞	☞	☞	☞	☞	NJ1926
3500	4500	☞	☞	☞	☞	☞	☞	☞	☞	NJ2926
3200	3800	☞	☞	☞	☞	☞	☞	☞	☞	NJ1026
3200	4800	☞	☞	☞	☞	☞	☞	☞	☞	NJ2026
2600	3200	☞	☞	☞	☞	☞	☞	☞	☞	NJ226 E
2400	3200	☞	☞	☞	☞	☞	☞	☞	☞	NJ2226 E
2500	3000	☞	☞	☞	☞	☞	☞	☞	☞	NJ5226
2100	3200	☞	☞	☞	☞	☞	☞	☞	☞	NJ3226
-	-	☞	☞	☞	☞	☞	☞	☞	☞	NJ130X240X80
-	-	☞	☞	☞	☞	☞	☞	☞	☞	NJ130X250X80
2000	2700	☞	☞	☞	☞	☞	☞	☞	☞	NJ326 E
1800	2700	☞	☞	☞	☞	☞	☞	☞	☞	NJ2326 E
1800	2700	☞	☞	☞	☞	☞	☞	☞	☞	NJ3326
1800	2300	☞	☞	☞	☞	☞	☞	☞	☞	NJ426
3200	4400	☞	☞	☞	☞	☞	☞	☞	☞	NJ1928
3250	4400	☞	☞	☞	☞	☞	☞	☞	☞	NJ2928
3000	3600	☞	☞	☞	☞	☞	☞	☞	☞	NJ1028
2400	2900	☞	☞	☞	☞	☞	☞	☞	☞	NJ228 E
2200	2900	☞	☞	☞	☞	☞	☞	☞	☞	NJ2228 E
2200	2700	☞	☞	☞	☞	☞	☞	☞	☞	NJ5228
1900	2900	☞	☞	☞	☞	☞	☞	☞	☞	NJ3228

* Other products also available

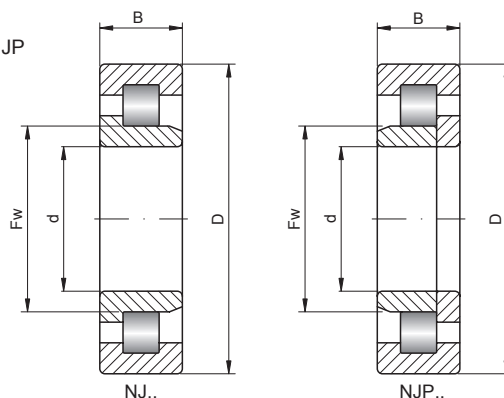


5. CYLINDRICAL ROLLER BEARINGS

5.2. Single-row cylindrical roller bearings - types - NJ, NJP



140 – 190 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
140 cont.	NJ328 E	3	0	140	300	62	180	20,94	663	797
	NJ2328 E	3	2	140	300	102	180	37,77	1020	1380
	NJ3328	3	3	140	300	118	180	42,59	1090	1550
	NJ428	4	0	140	360	82	198	48,03	874	1020
150	NJ1030	0	0	150	225	35	169,5	4,96	201	281
	NJ3030	0	3	150	225	56	171	8,24	374	652
	NJ230 E	2	0	150	270	45	182	10,98	448	594
	NJ2230 E	2	2	150	270	73	182	19,19	662	982
	NJ5230	2	5	150	270	88,9	181,5	23,5	736	1260
	NJ3230	2	3	150	270	96	182	24,32	749	1200
	NJ330 E	3	0	150	320	65	193	27,71	757	922
	NJ2330 E	3	2	150	320	108	193	45,88	1180	1600
	NJ3330	3	3	150	320	128	193	52,75	1180	1700
	NJ430	4	0	150	380	85	213	54,7	930	1120
159	NJ159X300X84	-	-	159	300	84	-	29,1	850	1200
160	NJ1932	9	0	160	220	28	175	3,16	149	228
	NJ2932	9	2	160	220	36	175	4,16	199	330
	NJ1032	0	0	160	240	38	180	6,09	236	330
	NJ2032	0	2	160	240	48	179	8,11	418	670
	NJ3132	1	3	160	270	86	187	21,14	681	1070
	NJ232 E	2	0	160	290	48	195	15,19	498	666
	NJ2232 E	2	2	160	290	80	193	24,22	809	1190
	NJ5232	2	5	160	290	98,42	193,6	29,66	764	1310
	NJ3232	2	3	160	290	104	195	30,58	857	1390
	NJ160X300X84	-	-	160	300	84	-	28,5	850	1200
	NJ332 E	3	0	160	340	68	204	32,84	857	1050
	NJ2332 E	3	2	160	340	114	204	54,5	1310	1820
	NJ3332	3	3	160	340	136	208	63,12	1270	1890
170	NJ1034	0	0	170	260	42	193	8,11	276	400
	NJ2034	0	2	170	260	54	191	11,29	473	735
	NJ3034	0	3	170	260	67	196	13,34	461	824
	NJ234 E	2	0	170	310	52	207	19,09	603	802
	NJ2234 E	2	2	170	310	86	205	29,97	967	1410
	NJ5234	2	5	170	310	104,77	205,4	36,43	891	1470
	NJ3234	2	3	170	310	110	208	37,15	964	1580
	NJ2334 E	3	2	170	360	120	216	64,25	1220	1750
	NJ3334	3	3	170	360	140	220	72,66	1420	2120
	NJ334 E	3	0	170	361	73	218	39,62	809	1010
180	NJ1036	0	0	180	280	46	205	10,78	356	503
	NJ3036	0	3	180	280	74	207	17,75	600	1040
	NJ236 E	2	0	180	320	52	217	19,81	626	852
	NJ2236 E	2	2	180	320	86	215	31,2	1010	1510
	NJ3236	2	3	180	320	112	218	39,41	999	1680
	NJ336 E	3	0	180	380	75	231	43,72	917	1150
	NJ2336 E	3	2	180	380	126	227	74,92	1350	1940
	NJ3336	3	3	180	380	150	232	86,62	1660	2520
	NJ436	4	0	180	440	95	247	82,1	1250	1600
190	NJ1938	9	0	190	260	33	207,5	5,64	251	400
	NJ1038	0	0	190	290	46	215	11,19	366	530
	NJ3038	0	3	190	290	75	217	18,88	636	1140

- warehouse - order - phone

Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	NJP	
1900	2500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ328 E
1700	2500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2328 E
1700	2500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3328
1600	2200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ428
2800	3300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1030
3000	4300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3030
2200	2600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ230 E
2000	2600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2230 E
2000	2400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5230
1800	2700	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3230
1700	2300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ330 E
1500	2300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2330 E
1600	2300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3330
1500	2000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ430
-	-	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ159X300X84
2900	4200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1932
3000	4300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2932
2600	3000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1032
2600	4000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2032
2500	4000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3132
2000	2400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ232 E
1800	2400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2232 E
1900	2200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5232
1600	2500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3232
-	-	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ160X300X84
1600	2100	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ332 E
1400	2100	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2332 E
1400	2200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3332
2400	2800	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1034
2400	3600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2034
2700	4000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3034
1900	2200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ234 E
1700	2200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2234 E
1800	2100	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ5234
1500	2300	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3234
1300	2000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2334 E
1300	2000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3334
1500	2000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ334 E
2200	2600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1036
2500	3800	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3036
1800	2100	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ236 E
1600	2100	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2236 E
1400	2200	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3236
1400	1900	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ336 E
1300	1900	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ2336 E
1300	1900	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3336
1600	2400	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ436
2750	4000	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1938
2100	2500	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ1038
2200	3600	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	NJ3038

* Other products also available

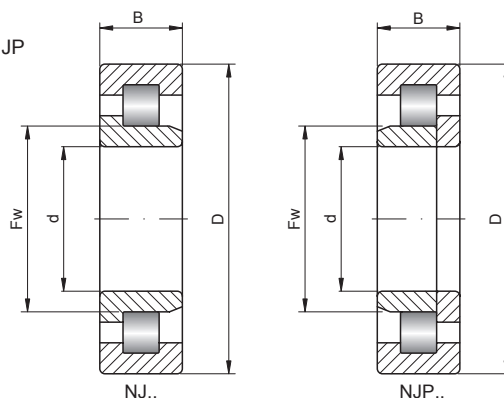


5. CYLINDRICAL ROLLER BEARINGS

5.2. Single-row cylindrical roller bearings - types - NJ, NJP



190 – 280 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
190 cont.	NJ3138	1	3	190	320	104	223	35,41	942	1570
	NJ238 E	2	0	190	340	55	230	23,91	694	954
	NJ2238 E	2	2	190	340	92	228	37,97	1100	1670
	NJ3238	2	3	190	340	120	231	48,03	1310	1930
	NJ338 E	3	0	190	400	78	245	51,21	987	1260
	NJ2338 E	3	2	190	400	132	245	86,93	1520	2220
	NJ3338	3	3	190	400	155	245	99,04	1870	2910
200	NJ2840	8	2	200	250	30	211,5	3,64	183	345
	NJ1940	9	0	200	280	38	218	7,59	341	540
	NJ1040	0	0	200	310	51	229	14,47	388	582
	NJ3040	0	3	200	310	82	232	24,32	689	1250
	NJ240 E	2	0	200	360	58	243	27,92	766	1060
	NJ2240 E	2	2	200	360	98	241	45,57	1220	1870
	NJ3240	2	3	200	360	128	244	57,68	1200	2020
	NJ340 E	3	0	200	420	80	258	57,68	987	1270
	NJ2340 E	3	2	200	420	138	253	99,96	1520	2240
	NJ3340	3	3	200	420	165	260	115,97	1870	2930
220	NJ1944	9	0	220	300	38	240	8,52	336	560
	NJ2944	9	2	220	300	48	241,5	10,08	366	655
	NJ1044	0	0	220	340	56	250	18,99	507	748
	NJ3144	1	3	220	370	120	261	54,6	1230	2140
	NJ244 E	2	0	220	400	65	268	39,51	766	1080
	NJ2244 E	2	2	220	400	108	259	62,5	1130	1810
	NJ3244	2	3	220	400	144	270	80,87	1630	2880
	NJ344 E	3	0	220	460	88	282	76,36	1200	1570
	NJ2344 E	3	2	220	460	145	277	122,13	1810	2690
	NJ3344	3	3	220	460	180	284	151,89	2130	3300
240	NJ1048	0	0	240	360	56	270	20,63	535	822
	NJ3048	0	3	240	360	92	276	33,87	774	1450
	NJ248 E	2	0	240	440	72	293	53,47	949	1340
	NJ2248 E	2	2	240	440	120	287	84,67	1430	2320
	NJ3248	2	3	240	440	160	295	109,81	1950	3460
	NJ348 E	3	0	240	500	95	306	97,09	1430	1950
	NJ2348 E	3	2	240	500	155	303	156	2170	3320
	NJ3348	3	3	240	500	195	310	193,97	2540	4070
260	NJ1952	9	0	260	360	46	285	14,27	410	686
	NJ2952	9	2	260	360	60	285	18,88	558	1020
	NJ1052	0	0	260	400	65	296	29,97	651	979
	NJ3052	0	3	260	400	104	290,5	50,8	1420	2320
	NJ3152	1	3	260	440	144	308	95,14	1730	3120
	NJ252 E	2	0	260	480	80	317	70,81	1100	1580
	NJ2252 E	2	2	260	480	130	313	109,81	1790	2950
	NJ3252	2	3	260	480	174	320	142,66	2140	3680
	NJ352 E	3	0	260	540	102	337	123,16	1900	2600
	NJ2352 E	3	2	260	540	165	324	189,87	2430	3750
	NJ3352	3	3	260	540	206	336	238,1	2940	4790
280	NJ3856	8	3	280	350	52	298	11,8	427	968
	NJ1956	9	0	280	380	46	305	15,09	406	689
	NJ1056	0	0	280	420	65	316	36,13	669	1030
	NJ2056	0	2	280	420	82	314	41,1	1230	2160
	NJ3156	1	3	280	460	146	328	99,76	1810	3280

warehouse - order - phone

Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	NJP	
2000	3200	↻	↻	↻	↻	↻	↻	↻	↻	NJ3138
1700	2000	⊕	⊕	↻	↻	⊕	⊕	↻	↻	NJ238 E
1500	2000	⊕	⊕	↻	↻	⊕	⊕	↻	↻	NJ2238 E
1300	2000	↻	↻	↻	↻	↻	↻	↻	↻	NJ3238
1300	1800	⊕	⊕	↻	↻	⊕	⊕	↻	↻	NJ338 E
1200	1800	↻	↻	↻	↻	↻	↻	↻	↻	NJ2338 E
1200	1800	↻	↻	↻	↻	↻	↻	↻	↻	NJ3338
2800	3600	↻	↻	↻	↻	↻	↻	↻	↻	NJ2840
2600	3800	↻	↻	↻	↻	↻	↻	↻	↻	NJ1940
1900	2300	⊕	⊕	↻	↻	⊕	⊕	↻	↻	NJ1040
2000	3400	↻	↻	↻	↻	↻	↻	↻	↻	NJ3040
1600	1900	⊕	⊕	↻	↻	⊕	⊕	↻	↻	NJ240 E
1400	1900	⊕	⊕	↻	↻	⊕	⊕	↻	↻	NJ2240 E
1300	1900	↻	↻	↻	↻	↻	↻	↻	↻	NJ3240
1200	1700	⊕	⊕	↻	↻	⊕	⊕	↻	↻	NJ340 E
1100	1700	↻	↻	↻	↻	↻	↻	↻	↻	NJ2340 E
1100	1700	↻	↻	↻	↻	↻	↻	↻	↻	NJ3340
2400	3200	↻	↻	↻	↻	↻	↻	↻	↻	NJ1944
2000	3000	↻	↻	↻	↻	↻	↻	↻	↻	NJ2944
1700	2000	↻	↻	↻	↻	↻	↻	↻	↻	NJ1044
1700	2700	↻	↻	↻	↻	↻	↻	↻	↻	NJ3144
1400	1700	⊕	⊕	↻	↻	⊕	⊕	↻	↻	NJ244 E
1200	1700	⊕	⊕	↻	↻	⊕	⊕	↻	↻	NJ2244 E
1100	1700	↻	↻	↻	↻	↻	↻	↻	↻	NJ3244
1100	1500	↻	↻	↻	↻	↻	↻	↻	↻	NJ344 E
1000	1500	↻	↻	↻	↻	↻	↻	↻	↻	NJ2344 E
990	1500	↻	↻	↻	↻	↻	↻	↻	↻	NJ3344
1600	1900	↻	↻	↻	↻	↻	↻	↻	↻	NJ1048
1600	2600	↻	↻	↻	↻	↻	↻	↻	↻	NJ3048
1200	1500	↻	↻	↻	↻	↻	↻	↻	↻	NJ248 E
1100	1500	↻	↻	↻	↻	↻	↻	↻	↻	NJ2248 E
990	1500	↻	↻	↻	↻	↻	↻	↻	↻	NJ3248
990	1300	↻	↻	↻	↻	↻	↻	↻	↻	NJ348 E
900	1400	↻	↻	↻	↻	↻	↻	↻	↻	NJ2348 E
880	1300	↻	↻	↻	↻	↻	↻	↻	↻	NJ3348
2200	2900	↻	↻	↻	↻	↻	↻	↻	↻	NJ1952
1600	2400	↻	↻	↻	↻	↻	↻	↻	↻	NJ2952
1400	1700	↻	↻	↻	↻	↻	↻	↻	↻	NJ1052
1500	2400	↻	↻	↻	↻	↻	↻	↻	↻	NJ3052
1400	2300	↻	↻	↻	↻	↻	↻	↻	↻	NJ3152
1100	1300	↻	↻	↻	↻	↻	↻	↻	↻	NJ252 E
990	1300	↻	↻	↻	↻	↻	↻	↻	↻	NJ2252 E
880	1300	↻	↻	↻	↻	↻	↻	↻	↻	NJ3252
900	1100	↻	↻	↻	↻	↻	↻	↻	↻	NJ352 E
800	1200	↻	↻	↻	↻	↻	↻	↻	↻	NJ2352 E
790	1200	↻	↻	↻	↻	↻	↻	↻	↻	NJ3352
2000	3300	↻	↻	↻	↻	↻	↻	↻	↻	NJ3856
2000	2600	↻	↻	↻	↻	↻	↻	↻	↻	NJ1956
1300	1500	↻	↻	↻	↻	↻	↻	↻	↻	NJ1056
1400	2200	↻	↻	↻	↻	↻	↻	↻	↻	NJ2056
1300	2150	↻	↻	↻	↻	↻	↻	↻	↻	NJ3156

* Other products also available

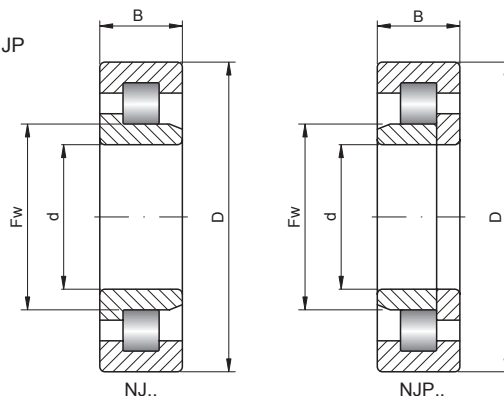


5. CYLINDRICAL ROLLER BEARINGS

5.2. Single-row cylindrical roller bearings - types - NJ, NJP



280 – 400 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
280 cont.	NJ256 E	2	0	280	500	80	337	74,61	1140	1680
	NJ2256 E	2	2	280	500	130	333	117	2280	3600
	NJ356 E	3	0	280	580	108	362	148,8	2160	3000
	NJ2356 E	3	2	280	580	175	351	237,1	2750	4200
300	NJ2860	8	2	300	380	48	321	14,4	473	980
	NJ3860	8	3	300	380	60	322	17	543	1300
	NJ1960	9	0	300	420	56	332	23,9	507	873
	NJ1060	0	0	300	460	74	340	45,3	890	1380
	NJ2060	0	2	300	460	95	341	61,1	1510	2750
	NJ3060	0	3	300	460	118	346	73,2	1290	2470
	NJ3160	1	3	300	500	160	352	132,4	2150	3940
	NJ260 E	2	0	300	540	85	364	93,1	1350	1960
	NJ2260	2	2	300	540	140	364	141,6	2400	3800
	NJ2360	3	2	300	620	185	371	277,1	4020	5850
320	NJ1864	8	0	320	400	38	341	12	369	710
	NJ2864	8	2	320	400	48	341	14,9	495	1060
	NJ1964	9	0	320	440	56	350	27,7	693	1200
	NJ1064	0	0	320	480	74	360	49,7	913	1450
	NJ2064	0	2	320	480	95	360	64,1	1450	265
	NJ3064	0	3	320	480	121	366	78,4	1320	2590
	NJ3164	1	3	320	540	176	368	179,6	3140	5400
	NJ264 E	2	0	320	580	92	390	117	1540	2270
	NJ2264	2	2	320	580	150	390	176,5	3000	4100
	NJ364	3	0	320	670	112	425	204,2	2300	3200
340	NJ2868	8	2	340	420	48	361	15,4	512	1120
	NJ3868	8	3	340	420	60	362	18,6	624	1500
	NJ1968	9	0	340	460	56	370	26,4	605	1080
	NJ2968	9	2	340	460	72	372	35,6	800	1620
	NJ1068	0	0	340	520	82	385	65,8	1090	1750
	NJ3068	0	3	340	520	133	393	104,7	1570	3080
	NJ3168	1	3	340	580	190	399	215,5	3190	5700
	NJ2268	2	2	340	620	165	416	225,8	2640	4500
360	NJ1872	8	0	360	440	38	380	12	339	692
	NJ1972	9	0	360	480	56	392	28	566	1060
	NJ2972	9	2	360	480	72	393	38,2	845	1820
	NJ1072	0	0	360	540	82	405	68,9	1120	1830
	NJ2072	0	2	360	540	106	405	90,8	1940	3600
	NJ3072	0	3	360	540	134	413	113,9	1970	4180
	NJ3172	1	3	360	600	192	405	230,9	3410	5700
	NJ2272	2	2	360	650	170	437	256,6	2920	4900
	NJ2372	3	2	360	750	224	465	523,4	5010	8150
380	NJ1876	8	0	380	480	46	406	23,6	539	1060
	NJ3876	8	3	380	480	75	405	33,1	852	1970
	NJ1076	0	0	380	560	82	425	71,9	1150	1920
	NJ2076	0	2	380	560	106	425	94,9	1980	3750
	NJ3076	0	3	380	560	135	433	116	1690	3470
	NJ2276	2	2	380	680	175	462	282,2	3140	5500
400	NJ1880	8	0	400	500	46	426	20,6	456	924
	NJ3880	8	3	400	500	75	426	35,1	852	2060
	NJ1980	9	0	400	540	65	435	42,1	952	1730

- warehouse
 - order
 - phone

Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	NJP	
1000	1200	↗	↗	↗	↗	↗	↗	↗	↗	NJ256 E
900	1250	↗	↗	↗	↗	↗	↗	↗	↗	NJ2256 E
800	1000	↗	↗	↗	↗	↗	↗	↗	↗	NJ356 E
750	1100	↗	↗	↗	↗	↗	↗	↗	↗	NJ2356 E
1700	1700	↗	↗	↗	↗	↗	↗	↗	↗	NJ2860
1800	2900	↗	↗	↗	↗	↗	↗	↗	↗	NJ3860
1800	2300	↗	↗	↗	↗	↗	↗	↗	↗	NJ1960
1200	1400	↗	↗	↗	↗	↗	↗	↗	↗	NJ1060
1300	2000	↗	↗	↗	↗	↗	↗	↗	↗	NJ2060
1400	2200	↗	↗	↗	↗	↗	↗	↗	↗	NJ3060
1250	1900	↗	↗	↗	↗	↗	↗	↗	↗	NJ3160
920	1100	↗	↗	↗	↗	↗	↗	↗	↗	NJ260 E
880	1200	↗	↗	↗	↗	↗	↗	↗	↗	NJ2260
950	1600	↗	↗	↗	↗	↗	↗	↗	↗	NJ2360
1600	2400	↗	↗	↗	↗	↗	↗	↗	↗	NJ1864
1600	2400	↗	↗	↗	↗	↗	↗	↗	↗	NJ2864
1700	2100	↗	↗	↗	↗	↗	↗	↗	↗	NJ1964
1100	1300	↗	↗	↗	↗	↗	↗	↗	↗	NJ1064
1200	1900	↗	↗	↗	↗	↗	↗	↗	↗	NJ2064
1350	2000	↗	↗	↗	↗	↗	↗	↗	↗	NJ3064
1000	1700	↗	↗	↗	↗	↗	↗	↗	↗	NJ3164
840	1000	↗	↗	↗	↗	↗	↗	↗	↗	NJ264 E
850	1150	↗	↗	↗	↗	↗	↗	↗	↗	NJ2264
750	950	↗	↗	↗	↗	↗	↗	↗	↗	NJ364
1500	2000	↗	↗	↗	↗	↗	↗	↗	↗	NJ2868
1500	2200	↗	↗	↗	↗	↗	↗	↗	↗	NJ3868
1600	2000	↗	↗	↗	↗	↗	↗	↗	↗	NJ1968
1400	1900	↗	↗	↗	↗	↗	↗	↗	↗	NJ2968
980	1200	↗	↗	↗	↗	↗	↗	↗	↗	NJ1068
1300	1900	↗	↗	↗	↗	↗	↗	↗	↗	NJ3068
950	1600	↗	↗	↗	↗	↗	↗	↗	↗	NJ3168
1000	1500	↗	↗	↗	↗	↗	↗	↗	↗	NJ2268
1450	2200	↗	↗	↗	↗	↗	↗	↗	↗	NJ1872
1400	1800	↗	↗	↗	↗	↗	↗	↗	↗	NJ1972
1200	1700	↗	↗	↗	↗	↗	↗	↗	↗	NJ2972
920	1100	↗	↗	↗	↗	↗	↗	↗	↗	NJ1072
1100	1600	↗	↗	↗	↗	↗	↗	↗	↗	NJ2072
1200	1700	↗	↗	↗	↗	↗	↗	↗	↗	NJ3072
900	1500	↗	↗	↗	↗	↗	↗	↗	↗	NJ3172
950	1400	↗	↗	↗	↗	↗	↗	↗	↗	NJ2272
850	1300	↗	↗	↗	↗	↗	↗	↗	↗	NJ2372
1300	2000	↗	↗	↗	↗	↗	↗	↗	↗	NJ1876
1200	1800	↗	↗	↗	↗	↗	↗	↗	↗	NJ3876
860	1000	↗	↗	↗	↗	↗	↗	↗	↗	NJ1076
1000	1600	↗	↗	↗	↗	↗	↗	↗	↗	NJ2076
1100	1600	↗	↗	↗	↗	↗	↗	↗	↗	NJ3076
900	1400	↗	↗	↗	↗	↗	↗	↗	↗	NJ2276
1250	1800	↗	↗	↗	↗	↗	↗	↗	↗	NJ1880
1100	1600	↗	↗	↗	↗	↗	↗	↗	↗	NJ3880
1200	1600	↗	↗	↗	↗	↗	↗	↗	↗	NJ1980

* Other products also available

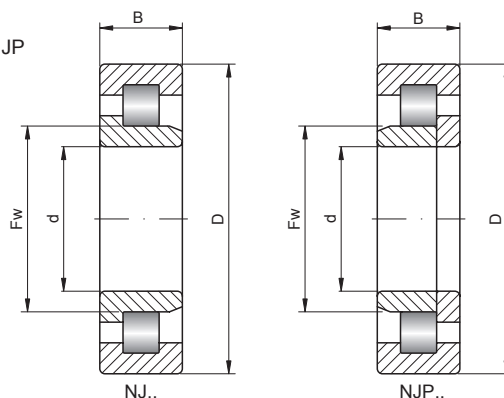


5. CYLINDRICAL ROLLER BEARINGS

5.2. Single-row cylindrical roller bearings - types - NJ, NJP



400 – 530 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
400 cont.	NJ1080	0	0	400	600	90	450	93,4	1400	2310
	NJ2080	0	2	400	600	118	449	123,2	2200	4750
	NJ3080	0	3	400	600	148	450	151,9	2250	4370
420	NJ1884	8	0	420	520	46	447	21	550	1120
	NJ3884	8	3	420	520	75	448	36,4	882	2260
	NJ1984	9	0	420	560	65	456	43,6	800	1510
	NJ2984	9	2	420	560	82	458	60,6	1210	2550
	NJ1084	0	0	420	620	90	470	97,1	1390	2320
	NJ2084	0	2	420	620	118	469	128,3	2460	4750
	NJ3084	0	3	420	620	150	470	160,1	1380	4770
	NJ3184	1	3	420	700	224	485	390	4950	9000
440	NJ2888	8	2	440	540	60	464	34,9	809	1900
	NJ1988	9	0	440	600	74	482	65,7	1060	2000
	NJ2988	9	2	440	600	95	482	86,2	1720	3600
	NJ3988	9	3	440	600	118	482	107,8	1980	4250
	NJ1088	0	0	440	650	94	493	111,9	1490	2520
	NJ2088	0	2	440	650	122	487	148,8	2550	4900
	NJ3188	1	3	440	720	226	509	405,4	5120	9650
460	NJ2892	8	2	460	580	72	489	49,3	1080	2400
	NJ1992	9	0	460	620	74	500	62,4	1060	1990
	NJ2992	9	2	460	620	95	495	91,3	1720	3600
	NJ1092	0	0	460	680	100	516	130,3	1590	2730
	NJ2092	0	2	460	680	128	513	169,3	2810	5400
	NJ3092	0	3	460	680	163	519	211,4	2960	6150
	NJ3192	1	3	460	760	240	529,5	467	5280	9650
	NJ1292	2	1	460	830	165	554	425,9	4180	6800
	NJ2292	2	2	460	830	212	554	543,9	5120	8650
480	NJ1896	8	0	480	600	56	511	40,5	765	1630
	NJ2896	8	2	480	600	72	511	48,7	1100	2450
	NJ1996	9	0	480	650	78	525	74,6	1130	2200
	NJ2996	9	2	480	650	100	525	99,3	1600	3450
	NJ1096	0	0	480	700	100	536	137,5	1700	3100
	NJ2096	0	2	480	700	128	533	174,5	2860	5600
	NJ3096	0	3	480	700	165	539	221,7	3030	6410
	NJ3196	1	3	480	790	248	547	513,2	5940	10800
500	NJ18/500	8	0	500	620	56	534	38,3	705	1560
	NJ28/500	8	2	500	620	72	530	51,3	1170	2700
	NJ38/500	8	3	500	620	90	534	63,4	1210	3140
	NJ19/500	9	0	500	670	78	546	80,6	1480	3160
	NJ29/500	9	2	500	670	100	546	103,7	1940	4500
	NJ39/500	9	3	500	670	128	544	133,4	2330	5200
	NJ10/500	0	0	500	720	100	556	144,7	2270	4440
	NJ20/500	0	2	500	720	128	553	184,7	2920	5850
	NJ30/500	0	3	500	720	167	553	230,9	4020	8000
	NJ31/500	1	3	500	830	264	576	610,6	6440	12000
	NJ12/500	2	1	500	920	185	603	600,4	5280	8500
530	NJ28/530	8	2	530	650	72	560,5	53	1170	2750
	NJ19/530	9	0	530	710	82	575	89,2	1320	2560
	NJ29/530	9	2	530	710	106	577	121	2160	4850
	NJ10/530	0	0	530	780	112	589	195	2290	4050

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Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	NJP	
780	920	✓	✓	✓	✓	✓	✓	✓	✓	NJ1080
950	1400	✓	✓	✓	✓	✓	✓	✓	✓	NJ2080
1000	1500	✓	✓	✓	✓	✓	✓	✓	✓	NJ3080
1200	1600	✓	✓	✓	✓	✓	✓	✓	✓	NJ1884
900	1100	✓	✓	✓	✓	✓	✓	✓	✓	NJ3884
1150	1500	✓	✓	✓	✓	✓	✓	✓	✓	NJ1984
1100	1500	✓	✓	✓	✓	✓	✓	✓	✓	NJ2984
730	860	✓	✓	✓	✓	✓	✓	✓	✓	NJ1084
900	1400	✓	✓	✓	✓	✓	✓	✓	✓	NJ2084
900	1400	✓	✓	✓	✓	✓	✓	✓	✓	NJ3084
750	1300	✓	✓	✓	✓	✓	✓	✓	✓	NJ3184
1100	1500	✓	✓	✓	✓	✓	✓	✓	✓	NJ2888
1100	1400	✓	✓	✓	✓	✓	✓	✓	✓	NJ1988
1100	1400	✓	✓	✓	✓	✓	✓	✓	✓	NJ2988
900	1100	✓	✓	✓	✓	✓	✓	✓	✓	NJ3988
680	800	✓	✓	✓	✓	✓	✓	✓	✓	NJ1088
8500	1300	✓	✓	✓	✓	✓	✓	✓	✓	NJ2088
700	1200	✓	✓	✓	✓	✓	✓	✓	✓	NJ3188
1100	1400	✓	✓	✓	✓	✓	✓	✓	✓	NJ2892
1000	1350	✓	✓	✓	✓	✓	✓	✓	✓	NJ1992
1000	1300	✓	✓	✓	✓	✓	✓	✓	✓	NJ2992
630	750	✓	✓	✓	✓	✓	✓	✓	✓	NJ1092
800	1200	✓	✓	✓	✓	✓	✓	✓	✓	NJ2092
850	1300	✓	✓	✓	✓	✓	✓	✓	✓	NJ3092
670	1100	✓	✓	✓	✓	✓	✓	✓	✓	NJ3192
750	1100	✓	✓	✓	✓	✓	✓	✓	✓	NJ1292
700	1100	✓	✓	✓	✓	✓	✓	✓	✓	NJ2292
1000	1300	✓	✓	✓	✓	✓	✓	✓	✓	NJ1896
1000	1300	✓	✓	✓	✓	✓	✓	✓	✓	NJ2896
950	1300	✓	✓	✓	✓	✓	✓	✓	✓	NJ1996
900	1200	✓	✓	✓	✓	✓	✓	✓	✓	NJ2996
600	700	✓	✓	✓	✓	✓	✓	✓	✓	NJ1096
750	1200	✓	✓	✓	✓	✓	✓	✓	✓	NJ2096
800	1200	✓	✓	✓	✓	✓	✓	✓	✓	NJ3096
630	1100	✓	✓	✓	✓	✓	✓	✓	✓	NJ3196
900	1200	✓	✓	✓	✓	✓	✓	✓	✓	NJ18/500
950	1300	✓	✓	✓	✓	✓	✓	✓	✓	NJ28/500
800	1000	✓	✓	✓	✓	✓	✓	✓	✓	NJ38/500
900	1250	✓	✓	✓	✓	✓	✓	✓	✓	NJ19/500
860	1100	✓	✓	✓	✓	✓	✓	✓	✓	NJ29/500
800	1200	✓	✓	✓	✓	✓	✓	✓	✓	NJ39/500
570	650	✓	✓	✓	✓	✓	✓	✓	✓	NJ10/500
750	1100	✓	✓	✓	✓	✓	✓	✓	✓	NJ20/500
750	1100	✓	✓	✓	✓	✓	✓	✓	✓	NJ30/500
600	1000	✓	✓	✓	✓	✓	✓	✓	✓	NJ31/500
670	950	✓	✓	✓	✓	✓	✓	✓	✓	NJ12/500
900	1200	✓	✓	✓	✓	✓	✓	✓	✓	NJ28/530
870	1190	✓	✓	✓	✓	✓	✓	✓	✓	NJ19/530
830	1050	✓	✓	✓	✓	✓	✓	✓	✓	NJ29/530
800	1000	✓	✓	✓	✓	✓	✓	✓	✓	NJ10/530

* Other products also available

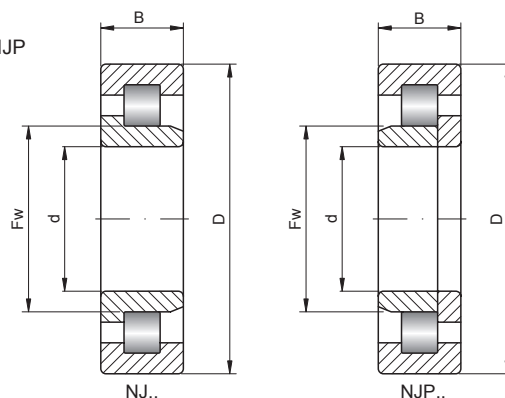


5. CYLINDRICAL ROLLER BEARINGS

5.2. Single-row cylindrical roller bearings - types - NJ, NJP



530 – 900 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
530 cont.	NJ20/530	0	2	530	780	145	591	262	3740	7350
	NJ30/530 E	0	3	530	780	185	589	317	4740	10100
	NJ31/530	1	3	530	870	272	612	677	7480	14600
560	NJ18/560	8	0	560	680	56	591	46	809	1830
	NJ19/560	9	0	560	750	85	613	108	1600	3260
	NJ29/560	9	2	560	750	112	613	144	2040	4480
	NJ10/560	0	0	560	820	115	630	216	2890	5630
	NJ20/560	0	2	560	820	150	626	298	3800	7650
	NJ31/560	1	3	560	920	280	648	765	7420	15100
	NJ12/560	2	1	560	1030	206	668	826	7210	11200
600	NJ18/600	8	0	600	730	60	632	52	897	2040
	NJ28/600	8	2	600	730	78	632	72	1320	3450
	NJ19/600	9	0	600	800	90	652	129	1980	4170
	NJ29/600	9	2	600	800	118	649	169	2920	6550
	NJ10/600	0	0	600	870	118	661	251	2750	5100
	NJ20/600	0	2	600	870	155	661	334	4180	8000
	NJ30/600	0	3	600	870	200	661	426	5390	11000
	NJ2/600	2	0	600	1090	155	749	729	5610	9800
630	NJ18/630	8	0	630	780	69	667	77	1100	2500
	NJ28/630	8	2	630	780	88	671	94	1510	3690
	NJ19/630	9	0	630	850	100	689	169	2450	5240
	NJ29/630	9	2	630	850	128	689	216	3100	7080
	NJ10/630	0	0	630	920	128	699	292	3410	6200
	NJ20/630	0	2	630	920	170	699	411	4730	9500
	NJ30/630	0	3	630	920	212	699	503	6440	14300
	NJ12/630	2	1	630	1150	230	751	1129	8580	13700
670	NJ18/670	8	0	670	820	69	708	79	1530	3750
	NJ19/670	9	0	670	900	103	728	200	2330	4750
	NJ10/670	0	0	670	980	136	747	359	3740	6800
	NJ20/670	0	2	670	980	180	747	493	5390	11000
	NJ30/670	0	3	670	980	230	747	616	6600	14000
710	NJ18/710	8	0	710	870	74	751	98	1750	4400
	NJ19/710	9	0	710	950	106	774	221	2910	6370
	NJ29/710	9	2	710	950	140	774	286	3650	8530
	NJ10/710	0	0	710	1030	140	778	426	4680	8500
	NJ20/710	0	2	710	1030	185	778	554	5940	12000
750	NJ18/750	8	0	750	920	78	794	118	1470	3450
	NJ10/750	0	0	750	1090	150	830	503	4730	8800
	NJ20/750	0	2	750	1090	195	830	652	7040	14600
800	NJ18/800	8	0	800	980	82	846	149	1720	4150
	NJ10/800	0	0	800	1150	155	890	559	5180	10900
	NJ20/800	0	2	800	1150	200	882	734	7040	14600
850	NJ28/850	8	2	850	1030	106	900	180	2120	5960
	NJ19/850	9	0	850	1120	118	917	318	3630	8190
900	NJ18/900	8	0	900	1090	85	949	174	1980	4900
	NJ28/900	8	2	900	1090	112	949	241	2700	7200
	NJ19/900	9	0	900	1180	122	969	390	4130	8800

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Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	NJP	
670	1000	↗	↗	↗	↗	↗	↗	↗	↗	NJ20/530
700	1000	↗	↗	↗	↗	↗	↗	↗	↗	NJ30/530 E
560	950	↗	↗	↗	↗	↗	↗	↗	↗	NJ31/530
850	1100	↗	↗	↗	↗	↗	↗	↗	↗	NJ18/560
830	1100	↗	↗	↗	↗	↗	↗	↗	↗	NJ19/560
780	1000	↗	↗	↗	↗	↗	↗	↗	↗	NJ29/560
540	600	↗	↗	↗	↗	↗	↗	↗	↗	NJ10/560
630	1000	↗	↗	↗	↗	↗	↗	↗	↗	NJ20/560
540	900	↗	↗	↗	↗	↗	↗	↗	↗	NJ31/560
560	800	↗	↗	↗	↗	↗	↗	↗	↗	NJ12/560
800	1000	↗	↗	↗	↗	↗	↗	↗	↗	NJ18/600
750	1000	↗	↗	↗	↗	↗	↗	↗	↗	NJ28/600
800	1050	↗	↗	↗	↗	↗	↗	↗	↗	NJ19/600
750	950	↗	↗	↗	↗	↗	↗	↗	↗	NJ29/600
700	900	↗	↗	↗	↗	↗	↗	↗	↗	NJ10/600
600	900	↗	↗	↗	↗	↗	↗	↗	↗	NJ20/600
600	900	↗	↗	↗	↗	↗	↗	↗	↗	NJ30/600
480	850	↗	↗	↗	↗	↗	↗	↗	↗	NJ2/600
800	1000	↗	↗	↗	↗	↗	↗	↗	↗	NJ18/630
650	850	↗	↗	↗	↗	↗	↗	↗	↗	NJ28/630
700	950	↗	↗	↗	↗	↗	↗	↗	↗	NJ19/630
680	850	↗	↗	↗	↗	↗	↗	↗	↗	NJ29/630
630	850	↗	↗	↗	↗	↗	↗	↗	↗	NJ10/630
560	850	↗	↗	↗	↗	↗	↗	↗	↗	NJ20/630
530	850	↗	↗	↗	↗	↗	↗	↗	↗	NJ30/630
450	700	↗	↗	↗	↗	↗	↗	↗	↗	NJ12/630
750	950	↗	↗	↗	↗	↗	↗	↗	↗	NJ18/670
630	850	↗	↗	↗	↗	↗	↗	↗	↗	NJ19/670
600	800	↗	↗	↗	↗	↗	↗	↗	↗	NJ10/670
500	800	↗	↗	↗	↗	↗	↗	↗	↗	NJ20/670
500	800	↗	↗	↗	↗	↗	↗	↗	↗	NJ30/670
700	900	↗	↗	↗	↗	↗	↗	↗	↗	NJ18/710
570	760	↗	↗	↗	↗	↗	↗	↗	↗	NJ19/710
600	800	↗	↗	↗	↗	↗	↗	↗	↗	NJ29/710
560	750	↗	↗	↗	↗	↗	↗	↗	↗	NJ10/710
480	700	↗	↗	↗	↗	↗	↗	↗	↗	NJ20/710
600	800	↗	↗	↗	↗	↗	↗	↗	↗	NJ18/750
430	670	↗	↗	↗	↗	↗	↗	↗	↗	NJ10/750
430	670	↗	↗	↗	↗	↗	↗	↗	↗	NJ20/750
530	700	↗	↗	↗	↗	↗	↗	↗	↗	NJ18/800
510	550	↗	↗	↗	↗	↗	↗	↗	↗	NJ10/800
400	630	↗	↗	↗	↗	↗	↗	↗	↗	NJ20/800
500	700	↗	↗	↗	↗	↗	↗	↗	↗	NJ28/850
500	650	↗	↗	↗	↗	↗	↗	↗	↗	NJ19/850
450	600	↗	↗	↗	↗	↗	↗	↗	↗	NJ18/900
450	600	↗	↗	↗	↗	↗	↗	↗	↗	NJ28/900
430	560	↗	↗	↗	↗	↗	↗	↗	↗	NJ19/900

* Other products also available

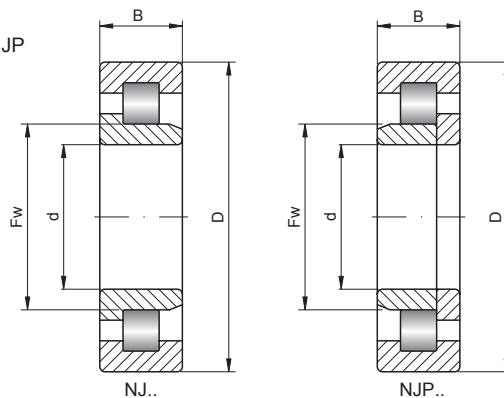


5. CYLINDRICAL ROLLER BEARINGS

5.2. Single-row cylindrical roller bearings - types - NJ, NJP



900 – 1700 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
900 cont.	NJ29/900	9	2	900	1180	165	969	575	5830	14000
950	NJ38/950	8	3	950	1150	150	1002	320	4030	12100
	NJ29/950	9	2	950	1250	175	1024	765	5830	14000
1000	NJ18/1000	8	0	1000	1220	100	1053	272	2640	6550
	NJ28/1000	8	2	1000	1220	128	1053	354	3690	10000
	NJ29/1000	9	2	1000	1320	185	1082	718	7040	17300
1060	NJ29/1060	9	2	1060	1400	195	1146	893	7210	17300
	NJ39/1060	9	3	1060	1400	250	1146	1098	9130	24000
1120	NJ18/1120	8	0	1120	1360	106	1182	344	3410	8650
	NJ30/1120	0	3	1120	1580	345	1231	2207	15700	39000
1180	NJ18/1180	8	0	1180	1420	106	1242	359	3030	7800
	NJ29/1180	9	2	1180	1540	206	1258	1119	8970	21600
1320	NJ18/1320	8	0	1320	1600	122	1395	544	3800	10000
	NJ29/1320	9	2	1320	1720	230	1420	1539	11400	30500
1600	NJ18/1600	8	0	1600	1950	155	1694	1012	7060	20100
1700	NJ18/1700	8	0	1700	2060	160	1784	1180	7210	19300

- warehouse - order - phone

Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	NJP	
430	560	↷	↷	↷	↷	↷	↷	↷	↷	NJ29/900
400	600	↷	↷	↷	↷	↷	↷	↷	↷	NJ38/950
400	530	↷	↷	↷	↷	↷	↷	↷	↷	NJ29/950
400	530	↷	↷	↷	↷	↷	↷	↷	↷	NJ18/1000
400	530	↷	↷	↷	↷	↷	↷	↷	↷	NJ28/1000
360	480	↷	↷	↷	↷	↷	↷	↷	↷	NJ29/1000
280	340	↷	↷	↷	↷	↷	↷	↷	↷	NJ29/1060
260	320	↷	↷	↷	↷	↷	↷	↷	↷	NJ39/1060
280	340	↷	↷	↷	↷	↷	↷	↷	↷	NJ18/1120
190	240	↷	↷	↷	↷	↷	↷	↷	↷	NJ30/1120
260	320	↷	↷	↷	↷	↷	↷	↷	↷	NJ18/1180
190	240	↷	↷	↷	↷	↷	↷	↷	↷	NJ29/1180
260	340	↷	↷	↷	↷	↷	↷	↷	↷	NJ18/1320
240	320	↷	↷	↷	↷	↷	↷	↷	↷	NJ29/1320
200	240	↷	↷	↷	↷	↷	↷	↷	↷	NJ18/1600
160	200	↷	↷	↷	↷	↷	↷	↷	↷	NJ18/1700

* Other products also available

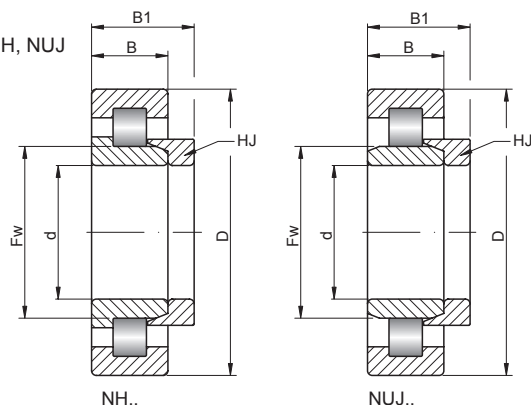


5. CYLINDRICAL ROLLER BEARINGS

5.3. Single-row cylindrical roller bearings - types - NH, NUJ



15 – 60 mm



Shaft [mm]	Bearing No.	Ring	Series		Dimensions [mm]						Weight [kg]	
			SD	SB	d	Fw	D	B	B1	B2	HJ...	NH...
15	NH202 E	HJ202 E	2	0	15	19	35	11	2,5	5	0,005	0,053
	NH302 E	HJ302 E	3	0	15	21	42	13	3	5,5	0,008	0,096
17	NH203 E	HJ203 E	2	0	17	22	40	12	3	5,5	0,009	0,078
	NH2203 E	HJ2203 E	2	2	17	22	40	16	3	5,5	0,012	0,104
	NH303 E	HJ303 E	3	0	17	24	47	14	3	5,5	0,011	0,131
20	NH204 E	HJ204 E	2	0	20	27	47	14	3	6,75	0,012	0,124
	NH2204 E	HJ2204 E	2	2	20	27	47	18	3	6,5	0,012	0,158
	NH304 E	HJ304 E	3	0	20	28	52	15	4	6,5	0,017	0,170
	NH2304 E	HJ2304 E	3	2	20	28	52	21	4	7,5	0,018	0,233
25	NH205 E	HJ205 E	2	0	25	32	52	15	3	6	0,014	0,152
	NH2205 E	HJ2205 E	2	2	25	32	52	18	3	6,5	0,014	0,180
	NH305 E	HJ305 E	3	0	25	34	62	17	4	7	0,025	0,268
	NH2305 E	HJ2305 E	3	2	25	34	62	24	4	8	0,026	0,376
30	NH206 E	HJ206 E	2	0	30	38	62	16	4	7	0,025	0,234
	NH2206 E	HJ2206 E	2	2	30	38	62	20	4	7,5	0,025	0,287
	NH306 E	HJ306 E	3	0	30	41	72	19	5	8,5	0,042	0,403
	NH2306 E	HJ2306 E	3	2	30	41	72	27	5	9,5	0,043	0,577
	NH406	HJ406	4	0	30	45	90	23	7	11,5	0,08	0,833
35	NH207 E	HJ207 E	2	0	35	44	72	17	4	7	0,033	0,339
	NH2207 E	HJ2207 E	2	2	35	44	72	23	4	8,5	0,035	0,439
	NH307 E	HJ307 E	3	0	35	46	80	21	6	9,5	0,06	0,542
	NH2307 E	HJ2307 E	3	2	35	46	80	31	6	11	0,062	0,791
	NH407	HJ407	4	0	35	53	100	25	8	13	0,12	1,140
40	NH208 E	HJ208 E	2	0	40	50	80	18	5	8,5	0,049	0,433
	NH2208 E	HJ2208 E	2	2	40	50	80	23	5	9	0,05	0,540
	NH308 E	HJ308 E	3	0	40	52	90	23	7	11	0,088	0,752
	NH2308 E	HJ2308 E	3	2	40	52	90	33	7	12,5	0,091	1,053
	NH408	HJ408	4	0	40	58	110	27	8	13	0,14	1,440
45	NH209 E	HJ209 E	2	0	45	55	85	19	5	8,5	0,055	0,494
	NH2209 E	HJ2209 E	2	2	45	55	85	23	5	9	0,055	0,591
	NH309 E	HJ309 E	3	0	45	59	100	25	7	11,5	0,11	1,019
	NH2309 E	HJ2309 E	3	2	45	59	100	36	7	13	0,113	1,433
	NH409	HJ409	4	0	45	65	120	29	8	13,5	0,175	1,815
50	NH210 E	HJ210 E	2	0	50	60	90	20	5	9	0,061	0,558
	NH2210 E	HJ2210 E	2	2	50	60	90	23	5	9	0,061	0,641
	NH310 E	HJ310 E	3	0	50	65	110	27	8	13	0,151	1,301
	NH2310 E	HJ2310 E	3	2	50	65	110	40	8	14,5	0,155	1,915
	NH410	HJ410	4	0	50	71	130	31	9	14,5	0,23	2,240
55	NH211 E	HJ211 E	2	0	55	66	100	21	6	9,5	0,087	0,737
	NH2211 E	HJ2211 E	2	2	55	66	100	25	6	10	0,088	0,894
	NH311 E	HJ311 E	3	0	55	71	120	29	9	14	0,195	1,695
	NH2311 E	HJ2311 E	3	2	55	71	120	43	9	15,5	0,2	2,450
	NH411	HJ411	4	0	55	77	140	33	10	16,5	0,29	2,800
60	NH212 E	HJ212 E	2	0	60	72	110	22	6	10	0,108	0,938
	NH2212 E	HJ2212 E	2	2	60	72	110	28	6	10	0,108	1,198
	NH312 E	HJ312 E	3	0	60	77	130	31	9	14,5	0,231	2,101

Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*								Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUJ	
12,7	10,4	19000	22000	☞	☞	☞	☞	☹	☹	☞	☞	NH202 E
19,4	15,3	16000	19000	☞	☞	☞	☞	☹	☹	☞	☞	NH302 E
17,6	14,6	17000	20000	☞	☞	☞	☞	☹	☹	☞	☞	NH203 E
24	22	16000	18500	☞	☞	☞	☞	☹	☹	☞	☞	NH2203 E
25,5	21,2	14000	17000	☞	☞	☞	☞	☹	☹	☞	☞	NH303 E
25,7	22,6	15000	18000	☞	☞	☞	☞	☹	☹	☞	☞	NH204 E
30,6	28,3	13000	18000	☞	☞	☞	☞	☹	☹	☞	☞	NH2204 E
31,5	26,9	12000	16000	☞	☞	☞	☞	☹	☹	☞	☞	NH304 E
42	38,8	11000	16000	☞	☞	☞	☞	☹	☹	☞	☞	NH2304 E
29,3	27,7	13000	15000	☞	☞	☞	☞	☹	☹	☞	☞	NH205 E
34,9	34,6	12000	15000	☞	☞	☞	☞	☹	☹	☞	☞	NH2205 E
41,6	37,4	10000	14000	☞	☞	☞	☞	☹	☹	☞	☞	NH305 E
57	56,1	9100	14000	☞	☞	☞	☞	☹	☹	☞	☞	NH2305 E
39,1	37,4	11000	13000	☞	☞	☞	☞	☹	☹	☞	☞	NH206 E
48,9	49,8	9700	13000	☞	☞	☞	☞	☹	☹	☞	☞	NH2206 E
53,1	50,2	8700	12000	☞	☞	☞	☞	☹	☹	☞	☞	NH306 E
74,6	77,6	7800	12000	☞	☞	☞	☞	☹	☹	☞	☞	NH2306 E
62,8	55	7600	10000	☞	☹	☞	☞	☹	☹	☞	☞	NH406
50,2	50,2	9300	11000	☞	☞	☞	☞	☹	☹	☞	☞	NH207 E
61,6	65,3	8300	11000	☞	☞	☞	☞	☹	☹	☞	☞	NH2207 E
66,6	65,4	7700	10000	☞	☞	☞	☞	☹	☹	☞	☞	NH307 E
93,1	101	6900	10000	☞	☞	☞	☞	☹	☹	☞	☞	NH2307 E
75,2	68,9	6600	8800	☞	☹	☞	☞	☹	☹	☞	☞	NH407
55,7	55,4	8300	9900	☞	☞	☞	☞	☹	☹	☞	☞	NH208 E
72,3	77,6	7400	9900	☞	☞	☞	☞	☹	☹	☞	☞	NH2208 E
83,1	81,5	6800	9100	☞	☞	☞	☞	☹	☹	☞	☞	NH308 E
114	122	6100	9100	☞	☞	☞	☞	☹	☹	☞	☞	NH2308 E
97,1	89,1	6000	8000	☞	☹	☞	☞	☹	☹	☞	☞	NH408
63,1	66,4	7600	9200	☞	☞	☞	☞	☹	☹	☞	☞	NH209 E
76,1	84,6	6900	9200	☞	☞	☞	☞	☹	☹	☞	☞	NH2209 E
97,4	98,3	6100	8200	☞	☞	☞	☞	☹	☹	☞	☞	NH309 E
137	153	5400	8200	☞	☞	☞	☞	☹	☹	☞	☞	NH2309 E
115	112	5400	7200	☞	☹	☞	☞	☹	☹	☞	☞	NH409
66,1	71,9	7100	8500	☞	☞	☞	☞	☹	☹	☞	☞	NH210 E
79,7	91,5	6400	8500	☞	☞	☞	☞	☹	☹	☞	☞	NH2210 E
110	113	5500	7400	☞	☹	☞	☞	☹	☹	☞	☞	NH310 E
163	187	4900	7400	☞	☹	☞	☞	☹	☹	☞	☞	NH2310 E
139	136	4900	6600	☞	☹	☞	☞	☹	☹	☞	☞	NH410
86,4	98,7	6400	7700	☞	☞	☞	☞	☹	☹	☞	☞	NH211 E
101	122	5800	7700	☹	☹	☞	☞	☹	☹	☞	☞	NH2211 E
137	143	5100	6700	☞	☹	☞	☞	☹	☹	☞	☞	NH311 E
201	233	4500	6700	☞	☹	☞	☞	☹	☹	☞	☞	NH2311 E
142	138	4600	6100	☞	☹	☞	☞	☹	☹	☞	☞	NH411
97,7	107	5800	6900	☞	☹	☞	☞	☹	☹	☞	☞	NH212 E
131	157	5200	6900	☹	☹	☞	☞	☹	☹	☞	☞	NH2212 E
150	157	4600	6200	☞	☹	☞	☞	☹	☹	☞	☞	NH312 E

* Other products also available

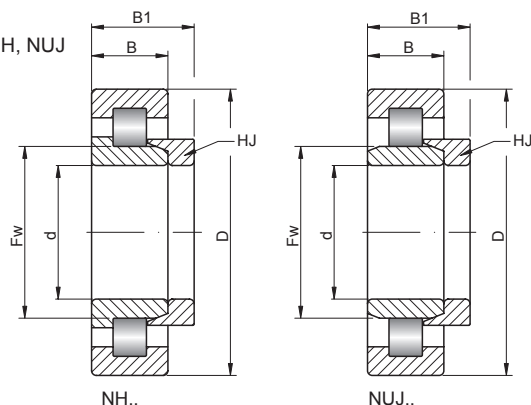


5. CYLINDRICAL ROLLER BEARINGS

5.3. Single-row cylindrical roller bearings - types - NH, NUJ



60 – 110 mm



Shaft [mm]	Bearing No.	Ring	Series		Dimensions [mm]						Weight [kg]	
			SD	SB	d	Fw	D	B	B1	B2	HJ...	NH...
60 cont.	NH2312 E	HJ2312 E	3	2	60	77	130	46	9	16	0,237	3,047
	NH412	HJ412	4	0	60	83	150	35	10	16,5	0,34	3,360
65	NH213 E	HJ213 E	2	0	65	79	120	23	6	10	0,129	1,179
	NH2213 E	HJ2213 E	2	2	65	79	120	31	6	10,5	0,131	1,581
	NH313 E	HJ313 E	3	0	65	83	140	33	10	15,5	0,288	2,598
	NH2313 E	HJ2313 E	3	2	65	83	140	48	10	18	0,298	3,658
	NH413	HJ413	4	0	65	89	160	37	11	18	0,42	4,000
70	NH214 E	HJ214 E	2	0	70	84	125	24	7	11	0,157	1,317
	NH2214 E	HJ2214 E	2	2	70	84	125	31	7	11,5	0,158	1,688
	NH314 E	HJ314 E	3	0	70	89	150	35	10	15,5	0,33	3,140
	NH2314 E	HJ2314 E	3	2	70	89	150	51	10	18,5	0,345	4,425
	NH414	HJ414	4	0	70	100	180	42	12	20	0,605	5,865
75	NH215 E	HJ215 E	2	0	75	89	130	25	7	11	0,166	1,456
	NH2215 E	HJ2215 E	2	2	75	89	130	31	7	11,5	0,167	1,777
	NH315 E	HJ315 E	3	0	75	95	160	37	11	16,5	0,41	3,780
	NH2315 E	HJ2315 E	3	2	75	95	160	55	11	19,5	0,43	5,430
	NH415	HJ415	4	0	75	105	190	45	13	21,5	0,71	6,960
80	NH216 E	HJ216 E	2	0	80	95	140	26	8	12,5	0,222	1,782
	NH2216 E	HJ2216 E	2	2	80	95	140	33	8	12,5	0,222	2,252
	NH316 E	HJ316 E	3	0	80	101	170	39	11	17	0,46	4,460
	NH2316 E	HJ2316 E	3	2	80	101	170	58	11	20	0,48	6,430
	NH416	HJ416	4	0	80	110	200	48	13	22	0,78	8,060
85	NH217 E	HJ217 E	2	0	85	101	150	28	8	12,5	0,25	2,190
	NH2217 E	HJ2217 E	2	2	85	101	150	36	8	13	0,252	2,782
	NH317 E	HJ317 E	3	0	85	108	180	41	12	18,5	0,575	5,375
	NH2317 E	HJ2317 E	3	2	85	108	180	60	12	22	0,595	7,575
	NH417	HJ417	4	0	85	113	210	52	14	24	0,88	9,560
90	NH218 E	HJ218 E	2	0	90	107	160	30	9	14	0,32	2,700
	NH2218 E	HJ2218 E	2	2	90	107	160	40	9	15	0,325	3,535
	NH318 E	HJ318 E	3	0	90	114	190	43	12	18,5	0,63	6,100
	NH2318 E	HJ2318 E	3	2	90	114	190	64	12	22	0,66	8,780
	NH418	HJ418	4	0	90	124	225	54	14	24	1,05	11,350
95	NH219 E	HJ219 E	2	0	95	113	170	32	9	14	0,355	3,275
	NH2219 E	HJ2219 E	2	2	95	113	170	43	9	15,5	0,365	4,295
	NH319 E	HJ319 E	3	0	95	122	200	45	13	20,5	0,785	7,205
	NH2319 E	HJ2319 E	3	2	95	122	200	67	13	26,5	0,76	10,150
	NH419	HJ419	4	0	95	134	240	55	15	25,5	1,3	14,900
100	NH220 E	HJ220 E	2	0	100	119	180	34	10	15	0,435	3,955
	NH2220 E	HJ2220 E	2	2	100	119	180	46	10	16	0,45	5,270
	NH320 E	HJ320 E	3	0	100	128	215	47	13	20,5	0,89	8,640
	NH2320 E	HJ2320 E	3	2	100	128	215	73	13	23,5	0,92	13,020
	NH420	HJ420	4	0	100	139	250	58	16	27	1,5	15,500
105	NH221 E	HJ221 E	2	0	105	126	190	36	10	16	0,51	4,510
	NH321 E	HJ321 E	3	0	105	133	225	49	13	20,5	0,97	9,730
	NH421	HJ421	4	0	105	145	260	60	16	27	1,65	20,750
110	NH222 E	HJ222 E	2	0	110	133	200	38	11	17	0,62	5,520

Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*								Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUJ	
223	262	4100	6200	☹	☹	☹	☹	☹	☹	☹	☹	NH2312 E
178	184	4200	5700	☹	☹	☹	☹	☹	☹	☹	☹	NH412
108	119	5300	6400	☹	☹	☹	☹	☹	☹	☹	☹	NH213 E
149	181	4800	6400	☹	☹	☹	☹	☹	☹	☹	☹	NH2213 E
181	191	4300	5700	☹	☹	☹	☹	☹	☹	☹	☹	NH313 E
251	287	3800	5700	☹	☹	☹	☹	☹	☹	☹	☹	NH2313 E
198	203	4000	5300	☹	☹	☹	☹	☹	☹	☹	☹	NH413
119	137	5000	6000	☹	☹	☹	☹	☹	☹	☹	☹	NH214 E
156	194	4500	6000	☹	☹	☹	☹	☹	☹	☹	☹	NH2214 E
205	222	4000	5300	☹	☹	☹	☹	☹	☹	☹	☹	NH314 E
275	323	3600	5300	☹	☹	☹	☹	☹	☹	☹	☹	NH2314 E
246	257	3500	4700	☹	☹	☹	☹	☹	☹	☹	☹	NH414
130	156	4800	5700	☹	☹	☹	☹	☹	☹	☹	☹	NH215 E
162	207	4300	5700	☹	☹	☹	☹	☹	☹	☹	☹	NH2215 E
240	263	3700	5000	☹	☹	☹	☹	☹	☹	☹	☹	NH315 E
329	395	3300	5000	☹	☹	☹	☹	☹	☹	☹	☹	NH2315 E
265	274	3300	4400	☹	☹	☹	☹	☹	☹	☹	☹	NH415
139	167	4400	5300	☹	☹	☹	☹	☹	☹	☹	☹	NH216 E
186	243	4000	5300	☹	☹	☹	☹	☹	☹	☹	☹	NH2216 E
259	282	3500	4700	☹	☹	☹	☹	☹	☹	☹	☹	NH316 E
361	431	3100	4700	☹	☹	☹	☹	☹	☹	☹	☹	NH2316 E
302	315	3100	4200	☹	☹	☹	☹	☹	☹	☹	☹	NH416
167	199	4200	5000	☹	☹	☹	☹	☹	☹	☹	☹	NH217 E
218	279	3700	5000	☹	☹	☹	☹	☹	☹	☹	☹	NH2217 E
291	330	3300	4400	☹	☹	☹	☹	☹	☹	☹	☹	NH317 E
394	485	2900	4400	☹	☹	☹	☹	☹	☹	☹	☹	NH2317 E
340	350	3000	4000	☹	☹	☹	☹	☹	☹	☹	☹	NH417
182	217	3900	4700	☹	☹	☹	☹	☹	☹	☹	☹	NH218 E
242	314	3500	4700	☹	☹	☹	☹	☹	☹	☹	☹	NH2218 E
316	355	3100	4100	☹	☹	☹	☹	☹	☹	☹	☹	NH318 E
437	534	2800	4100	☹	☹	☹	☹	☹	☹	☹	☹	NH2318 E
374	400	2800	3700	☹	☹	☹	☹	☹	☹	☹	☹	NH418
221	265	3700	4400	☹	☹	☹	☹	☹	☹	☹	☹	NH219 E
287	371	3300	4400	☹	☹	☹	☹	☹	☹	☹	☹	NH2219 E
334	387	2900	3900	☹	☹	☹	☹	☹	☹	☹	☹	NH319 E
394	496	2600	4000	☹	☹	☹	☹	☹	☹	☹	☹	NH2319 E
410	444	2600	3400	☹	☹	☹	☹	☹	☹	☹	☹	NH419
250	306	3500	4200	☹	☹	☹	☹	☹	☹	☹	☹	NH220 E
334	444	3100	4200	☹	☹	☹	☹	☹	☹	☹	☹	NH2220 E
379	424	2700	3600	☹	☹	☹	☹	☹	☹	☹	☹	NH320 E
570	717	2400	3600	☹	☹	☹	☹	☹	☹	☹	☹	NH2320 E
458	498	2500	3300	☹	☹	☹	☹	☹	☹	☹	☹	NH420
201	241	3300	3900	☹	☹	☹	☹	☹	☹	☹	☹	NH221 E
440	500	2600	3500	☹	☹	☹	☹	☹	☹	☹	☹	NH321 E
471	510	2400	3100	☹	☹	☹	☹	☹	☹	☹	☹	NH421
293	365	3100	3700	☹	☹	☹	☹	☹	☹	☹	☹	NH222 E

* Other products also available

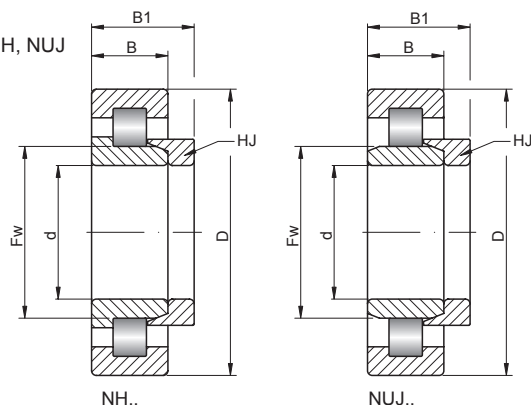


5. CYLINDRICAL ROLLER BEARINGS

5.3. Single-row cylindrical roller bearings - types - NH, NUJ



110 – 200 mm



Shaft [mm]	Bearing No.	Ring	Series		Dimensions [mm]						Weight [kg]	
			SD	SB	d	Fw	D	B	B1	B2	HJ...	NH...
110 cont.	NH2222 E	HJ2222 E	2	2	110	133	200	53	11	19,5	0,645	7,575
	NH322 E	HJ322 E	3	0	110	143	240	50	14	22	1,21	11,910
	NH2322 E	HJ2322 E	3	2	110	143	240	80	14	26,5	1,27	20,070
	NH422	HJ422	4	0	110	155	280	65	17	29,5	2,1	22,000
120	NH224 E	HJ224 E	2	0	120	144	215	40	11	17	0,71	6,560
	NH2224 E	HJ2224 E	2	2	120	144	215	58	11	20	0,745	9,305
	NH324 E	HJ324 E	3	0	120	154	260	55	14	22,5	1,41	14,810
	NH2324 E	HJ2324 E	3	2	120	154	260	86	14	26	1,46	24,560
	NH424	HJ424	4	0	120	170	310	72	17	30,5	2,6	30,600
130	NH226 E	HJ226 E	2	0	130	154	230	40	11	17	0,79	7,390
	NH2226 E	HJ2226 E	2	2	130	154	230	64	11	21	0,84	12,040
	NH326 E	HJ326 E	3	0	130	167	280	58	14	23	1,65	18,350
	NH2326 E	HJ2326 E	3	2	130	167	280	93	14	28	1,73	30,830
	NH426	HJ426	4	0	130	185	340	78	18	32	3,3	39,400
140	NH228 E	HJ228 E	2	0	140	169	250	42	11	18	0,99	9,490
	NH2228 E	HJ2228 E	2	2	140	169	250	68	11	23	1,07	15,370
	NH328 E	HJ328 E	3	0	140	180	300	62	15	25	2,04	22,440
	NH2328 E	HJ2328 E	3	2	140	180	300	102	15	31	2,14	38,940
	NH428	HJ428	4	0	140	198	360	82	18	33	3,75	50,550
150	NH230 E	HJ230 E	2	0	150	182	270	45	12	19,5	1,26	11,960
	NH2230 E	HJ2230 E	2	2	150	182	270	73	12	24,5	1,35	20,050
	NH330 E	HJ330 E	3	0	150	193	320	65	15	25	2,35	29,350
	NH2330 E	HJ2330 E	3	2	150	193	320	108	15	31,5	2,48	47,180
	NH430	HJ430	4	0	150	213	380	85	20	36,5	4,7	58,000
160	NH232 E	HJ232 E	2	0	160	195	290	48	12	20	1,48	16,280
	NH2232 E	HJ2232 E	2	2	160	193	290	80	12	24,5	1,55	25,150
	NH332 E	HJ332 E	3	0	160	204	340	68	15	25	2,59	34,590
	NH2332 E	HJ2332 E	3	2	160	204	340	114	15	32	2,76	55,860
170	NH1034	HJ1034	0	0	170	193	260	42	11	21	0,94	8,840
	NH234 E	HJ234 E	2	0	170	207	310	52	12	20	1,7	20,300
	NH2234 E	HJ2234 E	2	2	170	205	310	86	12	24	1,79	30,990
	NH2334	HJ2334	3	2	170	220	360	120	16	38,5	3,85	66,450
	NH334 E	HJ334 E	3	0	170	218	361	73	16	29,5	3,25	41,850
180	NH1036	HJ1036	0	0	180	205	280	46	12	22,5	1,2	11,700
	NH236 E	HJ236 E	2	0	180	217	320	52	12	20	1,79	21,090
	NH2236 E	HJ2236 E	2	2	180	215	320	86	12	24	1,88	32,280
	NH336 E	HJ336 E	3	0	180	231	380	75	17	28,5	3,85	46,450
	NH2336	HJ2336	3	2	180	232	380	126	17	40	4,6	77,600
190	NH1038	HJ1038	0	0	190	215	290	46	12	22,5	1,25	12,150
	NH238 E	HJ238 E	2	0	190	230	340	55	13	21,5	2,19	25,490
	NH2238 E	HJ2238 E	2	2	190	228	340	92	13	26,5	2,31	39,310
	NH338 E	HJ338 E	3	0	190	245	400	78	18	29	4,45	54,350
	NH2338 E	HJ2338 E	3	2	190	245	400	132	18	36,5	4,87	89,570
200	NH1040	HJ1040	0	0	200	229	310	51	13	25,5	1,65	15,750
	NH240 E	HJ240 E	2	0	200	243	360	58	14	23	2,65	29,850
	NH2240 E	HJ2240 E	2	2	200	241	360	98	14	28	2,78	47,180
	NH340 E	HJ340 E	3	0	200	258	420	80	18	30	5	61,200

Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*								Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUJ	
384	517	2800	3700	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH2222 E
451	525	2400	3200	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH322 E
680	880	2200	3200	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH2322 E
550	621	2200	2900	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH422
336	421	2800	3400	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH224 E
452	619	2600	3400	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH2224 E
528	610	2200	3000	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH324 E
793	1030	2000	3000	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH2324 E
690	770	1900	2600	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH424
364	453	2600	3200	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH226 E
530	737	2400	3200	↗	↗	↗	↗	↗	↗	↗	↗	NH2226 E
616	736	2000	2700	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH326 E
920	1230	1800	2700	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH2326 E
771	876	1800	2300	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH426
392	514	2400	2900	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH228 E
572	835	2200	2900	↗	↗	↗	↗	↗	↗	↗	↗	NH2228 E
663	797	1900	2500	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH328 E
1020	1380	1700	2500	↗	↗	↗	↗	↗	↗	↗	↗	NH2328 E
874	1020	1600	2200	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH428
448	594	2200	2600	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH230 E
662	982	2000	2600	↗	↗	↗	↗	↗	↗	↗	↗	NH2230 E
757	922	1700	2300	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH330 E
1180	1600	1500	2300	↗	↗	↗	↗	↗	↗	↗	↗	NH2330 E
930	1120	1500	2000	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH430
498	666	2000	2400	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH232 E
809	1190	1800	2400	↗	↗	↗	↗	↗	↗	↗	↗	NH2232 E
857	1050	1600	2100	↗	↗	↗	↗	↗	↗	↗	↗	NH332 E
1310	1820	1400	2100	↗	↗	↗	↗	↗	↗	↗	↗	NH2332 E
276	400	2400	2800	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH1034
603	802	1900	2200	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH234 E
967	1410	1700	2200	↗	↗	↗	↗	↗	↗	↗	↗	NH2234 E
1220	1750	1300	2000	↗	↗	↗	↗	↗	↗	↗	↗	NH2334
809	1010	1500	2000	↗	↗	↗	↗	↗	↗	↗	↗	NH334 E
356	503	2200	2600	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH1036
626	852	1800	2100	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH236 E
1010	1510	1600	2100	↗	↗	↗	↗	↗	↗	↗	↗	NH2236 E
917	1150	1400	1900	↗	↗	↗	↗	↗	↗	↗	↗	NH336 E
1350	1940	1300	1900	↗	↗	↗	↗	↗	↗	↗	↗	NH2336
366	530	2100	2500	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH1038
694	954	1700	2000	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH238 E
1100	1670	1500	2000	↗	↗	↗	↗	↗	↗	↗	↗	NH2238 E
987	1260	1300	1800	↗	↗	↗	↗	↗	↗	↗	↗	NH338 E
1520	2220	1200	1800	↗	↗	↗	↗	↗	↗	↗	↗	NH2338 E
388	582	1900	2300	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH1040
766	1060	1600	1900	⊕	⊕	↗	↗	⊕	⊕	↗	↗	NH240 E
1220	1870	1400	1900	↗	↗	↗	↗	↗	↗	↗	↗	NH2240 E
987	1270	1200	1700	↗	↗	↗	↗	↗	↗	↗	↗	NH340 E

* Other products also available

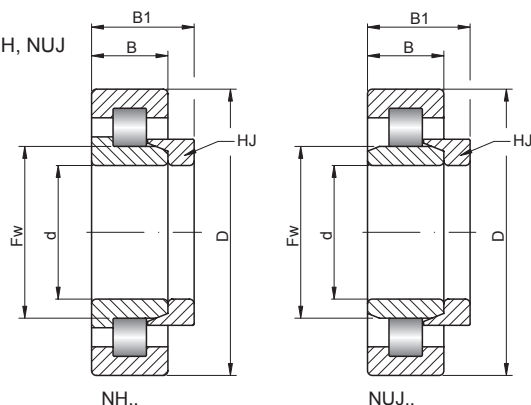


5. CYLINDRICAL ROLLER BEARINGS

5.3. Single-row cylindrical roller bearings - types - NH, NUJ



200 – 500 mm



Shaft [mm]	Bearing No.	Ring	Series		Dimensions [mm]						Weight [kg]	
			SD	SB	d	Fw	D	B	B1	B2	HJ...	NH...
200 cont.	NH2340 E	HJ2340 E	3	2	200	253	420	138	18	37	5,28	102,680
220	NH1044	HJ1044	0	0	220	250	340	56	14	27	2,1	20,600
	NH244 E	HJ244 E	2	0	220	268	400	65	15	25	3,55	42,050
	NH2244 E	HJ2244	2	2	220	259	400	108	15	29	3,55	64,450
	NH344	HJ344	3	0	220	284	460	88	20	36	7,05	81,450
240	NH2344 E	HJ2344 E	3	2	220	275	460	145	20	40	6,8	125,800
	NH1048	HJ1048	0	0	240	270	360	56	14	27	2,25	22,350
	NH248 E	HJ248 E	2	0	240	293	440	72	16	27	4,65	56,750
	NH2248	HJ2248	2	2	240	295	440	120	16	38,5	4,65	87,150
260	NH348 E	HJ348 E	3	0	240	306	500	95	22	35,5	8,2	102,800
	NH2348	HJ2348	3	2	240	303	500	155	22	52	10,5	162,500
	NH1052	HJ1052	0	0	260	296	400	65	16	31,5	3,3	32,500
	NH252 E	HJ252 E	2	0	260	317	480	80	18	30	6,2	75,200
280	NH2252	HJ2252	2	2	260	320	480	130	16	38,5	4,65	111,650
	NH352	HJ352	3	0	260	337	540	102	18	40,5	9,8	129,800
	NH1056	HJ1056	0	0	280	316	420	65	16	31,5	3,55	38,750
	NH256	HJ256	2	0	280	337	500	80	18	33	7,15	79,850
300	NH2256 E	HJ2256 E	2	2	280	327	500	130	18	38	4,65	118,650
	NH356 E	HJ356 E	3	0	280	362	580	108	26	42,5	13,8	158,800
	NH2356	HJ2356	3	2	280	362	580	175	26	58,5	14	245,000
	NH1060	HJ1060	0	0	300	340	460	74	19	36	5,15	49,250
320	NH260	HJ260	2	0	300	364	540	85	20	34,5	7,4	98,100
	NH2260	HJ2260	2	2	300	364	540	140	16	38,5	4,65	142,650
	NH1064	HJ1064	0	0	320	360	480	74	19	36	5,45	53,850
	NH264	HJ264	2	0	320	390	580	92	21	37	11,3	125,300
340	NH2264	HJ2264	2	2	320	390	580	150	16	38,5	4,65	176,650
	NH1068	HJ1068	0	0	340	385	520	82	21	39,5	7,2	71,300
	NH1072	HJ1072	0	0	360	405	540	82	21	39,5	7,55	74,650
	NH1076	HJ1076	0	0	380	425	560	82	21	39,5	7,95	78,050
400	NH1080	HJ1080	0	0	400	450	600	90	23	43	10,5	101,500
	NH1084	HJ1084	0	0	420	470	620	90	23	43	11	105,600
	NH1088	HJ1088	0	0	440	493	650	94	24	45	12	121,000
	NH1092	HJ1092	0	0	460	516	680	100	25	48	14	141,000
480	NH1096	HJ1096	0	0	480	536	700	100	25	48	14,5	148,500
	NH10/500	HJ10/500	0	0	500	556	720	100	25	48	15	156,000

- warehouse - order - phone

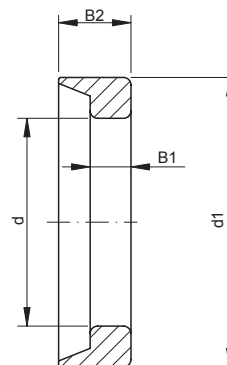
Basic load ratings [kN]		Limiting speed [rpm]		Basic makes*								Bearing No.
dyn. C	stat. C ₀	grease	oil	-	M	TV	C2	C3	C4	K	NUJ	
1520	2240	1100	1700	↻	↻	↻	↻	↻	↻	↻	↻	NH2340 E
507	748	1700	2000	⌚	⌚	↻	↻	⌚	⌚	↻	↻	NH1044
766	1080	1400	1700	↻	↻	↻	↻	↻	↻	↻	↻	NH244 E
1130	1810	1200	1700	↻	↻	↻	↻	↻	↻	↻	↻	NH2244 E
1200	1570	1100	1500	↻	↻	↻	↻	↻	↻	↻	↻	NH344
1810	2690	1000	1500	↻	↻	↻	↻	↻	↻	↻	↻	NH2344 E
535	822	1600	1900	↻	↻	↻	↻	↻	↻	↻	↻	NH1048
949	1340	1200	1500	↻	↻	↻	↻	↻	↻	↻	↻	NH248 E
1430	2320	1100	1500	↻	↻	↻	↻	↻	↻	↻	↻	NH2248
1430	1950	990	1300	↻	↻	↻	↻	↻	↻	↻	↻	NH348 E
2170	3320	900	1400	↻	↻	↻	↻	↻	↻	↻	↻	NH2348
651	979	1400	1700	↻	↻	↻	↻	↻	↻	↻	↻	NH1052
1100	1580	1100	1300	↻	↻	↻	↻	↻	↻	↻	↻	NH252 E
1790	2950	990	1300	↻	↻	↻	↻	↻	↻	↻	↻	NH2252
1900	2600	900	1100	↻	↻	↻	↻	↻	↻	↻	↻	NH352
669	1030	1300	1500	↻	↻	↻	↻	↻	↻	↻	↻	NH1056
1140	1680	1000	1200	↻	↻	↻	↻	↻	↻	↻	↻	NH256
2280	3600	900	1250	↻	↻	↻	↻	↻	↻	↻	↻	NH2256 E
2160	3000	800	1000	↻	↻	↻	↻	↻	↻	↻	↻	NH356 E
2750	4200	750	1100	↻	↻	↻	↻	↻	↻	↻	↻	NH2356
890	1380	1200	1400	↻	↻	↻	↻	↻	↻	↻	↻	NH1060
1350	1960	920	1100	↻	↻	↻	↻	↻	↻	↻	↻	NH260
2400	3800	880	1200	↻	↻	↻	↻	↻	↻	↻	↻	NH2260
913	1450	1100	1300	↻	↻	↻	↻	↻	↻	↻	↻	NH1064
1540	2270	840	1000	↻	↻	↻	↻	↻	↻	↻	↻	NH264
3000	4100	850	1150	↻	↻	↻	↻	↻	↻	↻	↻	NH2264
1090	1750	980	1200	↻	↻	↻	↻	↻	↻	↻	↻	NH1068
1120	1830	920	1100	↻	↻	↻	↻	↻	↻	↻	↻	NH1072
1150	1920	860	1000	↻	↻	↻	↻	↻	↻	↻	↻	NH1076
1400	2310	780	920	↻	↻	↻	↻	↻	↻	↻	↻	NH1080
1390	2320	730	860	↻	↻	↻	↻	↻	↻	↻	↻	NH1084
1490	2520	680	800	↻	↻	↻	↻	↻	↻	↻	↻	NH1088
1590	2730	630	750	↻	↻	↻	↻	↻	↻	↻	↻	NH1092
1700	3100	600	700	↻	↻	↻	↻	↻	↻	↻	↻	NH1096
2270	4440	570	650	↻	↻	↻	↻	↻	↻	↻	↻	NH10/500

* Other products also available



5. CYLINDRICAL ROLLER BEARINGS

5.4. Angular rings for cylindrical roller bearings - HJ



HJ..

15 – 60 mm

Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]
		SD	SB	d	d1	B1	B2	
15	HJ202 E	2	0	15	21,9	2,5	5	0,005
	HJ302 E	3	0	15	24,3	3	5,5	0,008
17	HJ203 E	2	0	17	25	3	5,5	0,009
	HJ2203 E	2	2	17	25	3	5,5	0,012
	HJ303 E	3	0	17	27,7	3	5,5	0,011
20	HJ204 E	2	0	20	29,7	3	6,75	0,012
	HJ2204 E	2	2	20	29,8	3	6,5	0,012
	HJ304 E	3	0	20	31,4	4	6,5	0,017
	HJ2304 E	3	2	20	31,4	4	7,5	0,018
25	HJ205 E	2	0	25	34,8	3	6	0,014
	HJ2205 E	2	2	25	34,8	3	6,5	0,014
	HJ305 E	3	0	25	38,2	4	7	0,025
	HJ2305 E	3	2	25	38,2	4	8	0,026
30	HJ206 E	2	0	30	41,4	4	7	0,025
	HJ2206 E	2	2	30	41,4	4	7,5	0,025
	HJ306 E	3	0	30	45,1	5	8,5	0,042
	HJ2306 E	3	2	30	45,1	5	9,5	0,043
	HJ406	4	0	30	50,5	7	11,5	0,08
35	HJ207 E	2	0	35	48,2	4	7	0,033
	HJ2207 E	2	2	35	48,2	4	8,5	0,035
	HJ307 E	3	0	35	51,5	6	9,5	0,06
	HJ2307 E	3	2	35	51,1	6	11	0,062
	HJ407	4	0	35	59	8	13	0,12
40	HJ208 E	2	0	40	54,1	5	8,5	0,049
	HJ2208 E	2	2	40	54,1	5	9	0,05
	HJ308 E	3	0	40	57,7	7	11	0,088
	HJ2308 E	3	2	40	57,7	7	12,5	0,091
	HJ408	4	0	40	64,8	8	13	0,14
45	HJ209 E	2	0	45	59,1	5	8,5	0,055
	HJ2209 E	2	2	45	59,1	5	9	0,055
	HJ309 E	3	0	45	64,5	7	11,5	0,11
	HJ2309 E	3	2	45	64,5	7	13	0,113
	HJ409	4	0	45	71,8	8	13,5	0,175
50	HJ210 E	2	0	50	64,1	5	9	0,061
	HJ2210 E	2	2	50	64,1	5	9	0,061
	HJ310 E	3	0	50	71,4	8	13	0,151
	HJ2310 E	3	2	50	71,4	8	14,5	0,155
	HJ410	4	0	50	78,8	9	14,5	0,23
55	HJ211 E	2	0	55	70,9	6	9,5	0,087
	HJ2211 E	2	2	55	70,9	6	10	0,088
	HJ311 E	3	0	55	77,6	9	14	0,195
	HJ2311 E	3	2	55	77,6	9	15,5	0,2
	HJ411	4	0	55	85,2	10	16,5	0,29
60	HJ212 E	2	0	60	77,7	6	10	0,108
	HJ2212 E	2	2	60	77,7	6	10	0,108
	HJ312 E	3	0	60	84,5	9	14,5	0,231

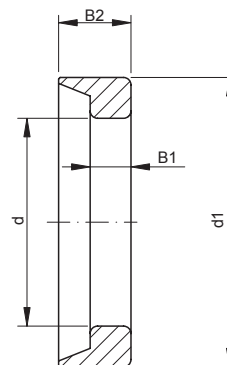
Basic makes*	Application		Bearing No.
-	NH	NUJ	
⊖	NH202 E	NUJ202 E	HJ202 E
⊖	NH302 E	NUJ302 E	HJ302 E
⊖	NH203 E	NUJ203 E	HJ203 E
⊖	NH2203 E	NUJ2203 E	HJ2203 E
⊖	NH303 E	NUJ303 E	HJ303 E
⊖	NH204 E	NUJ204 E	HJ204 E
⊖	NH2204 E	NUJ2204 E	HJ2204 E
⊖	NH304 E	NUJ304 E	HJ304 E
⊖	NH2304 E	NUJ2304 E	HJ2304 E
⊖	NH205 E	NUJ205 E	HJ205 E
⊖	NH2205 E	NUJ2205 E	HJ2205 E
⊖	NH305 E	NUJ305 E	HJ305 E
⊖	NH2305 E	NUJ2305 E	HJ2305 E
⊖	NH206 E	NUJ206 E	HJ206 E
⊖	NH2206 E	NUJ2206 E	HJ2206 E
⊖	NH306 E	NUJ306 E	HJ306 E
⊖	NH2306 E	NUJ2306 E	HJ2306 E
⊖	NH406	NUJ406	HJ406
⊖	NH207 E	NUJ207 E	HJ207 E
⊖	NH2207 E	NUJ2207 E	HJ2207 E
⊖	NH307 E	NUJ307 E	HJ307 E
⊖	NH2307 E	NUJ2307 E	HJ2307 E
⊖	NH407	NUJ407	HJ407
⊖	NH208 E	NUJ208 E	HJ208 E
⊖	NH2208 E	NUJ2208 E	HJ2208 E
⊖	NH308 E	NUJ308 E	HJ308 E
⊖	NH2308 E	NUJ2308 E	HJ2308 E
⊖	NH408	NUJ408	HJ408
⊖	NH209 E	NUJ209 E	HJ209 E
⊖	NH2209 E	NUJ2209 E	HJ2209 E
⊖	NH309 E	NUJ309 E	HJ309 E
⊖	NH2309 E	NUJ2309 E	HJ2309 E
⊖	NH409	NUJ409	HJ409
⊖	NH210 E	NUJ210 E	HJ210 E
⊖	NH2210 E	NUJ2210 E	HJ2210 E
⊖	NH310 E	NUJ310 E	HJ310 E
⊖	NH2310 E	NUJ2310 E	HJ2310 E
⊖	NH410	NUJ410	HJ410
⊖	NH211 E	NUJ211 E	HJ211 E
⊖	NH2211 E	NUJ2211 E	HJ2211 E
⊖	NH311 E	NUJ311 E	HJ311 E
⊖	NH2311 E	NUJ2311 E	HJ2311 E
⊖	NH411	NUJ411	HJ411
⊖	NH212 E	NUJ212 E	HJ212 E
⊖	NH2212 E	NUJ2212 E	HJ2212 E
⊖	NH312 E	NUJ312 E	HJ312 E

* Other products also available



5. CYLINDRICAL ROLLER BEARINGS

5.4. Angular rings for cylindrical roller bearings - HJ



HJ..

60 – 110 mm

Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]
		SD	SB	d	d1	B1	B2	
60 cont.	HJ2312 E	3	2	60	84,5	9	16	0,237
	HJ412	4	0	60	91,8	10	16,5	0,34
65	HJ213 E	2	0	65	84,5	6	10	0,129
	HJ2213 E	2	2	65	84,5	6	10,5	0,131
	HJ313 E	3	0	65	90,6	10	15,5	0,288
	HJ2313 E	3	2	65	90,6	10	18	0,298
	HJ413	4	0	65	98,5	11	18	0,42
70	HJ214 E	2	0	70	89,5	7	11	0,157
	HJ2214 E	2	2	70	89,5	7	11,5	0,158
	HJ314 E	3	0	70	97,5	10	15,5	0,33
	HJ2314 E	3	2	70	97,5	10	18,5	0,345
	HJ414	4	0	70	110,5	12	20	0,605
75	HJ215 E	2	0	75	94,5	7	11	0,166
	HJ2215 E	2	2	75	94,5	7	11,5	0,167
	HJ315 E	3	0	75	104,2	11	16,5	0,41
	HJ2315 E	3	2	75	104,2	11	19,5	0,43
	HJ415	4	0	75	116	13	21,5	0,71
80	HJ216 E	2	0	80	101,6	8	12,5	0,222
	HJ2216 E	2	2	80	101,6	8	12,5	0,222
	HJ316 E	3	0	80	110,6	11	17	0,46
	HJ2316 E	3	2	80	110,6	11	20	0,48
	HJ416	4	0	80	122	13	22	0,78
85	HJ217 E	2	0	85	107,6	8	12,5	0,25
	HJ2217 E	2	2	85	107,6	8	13	0,252
	HJ317 E	3	0	85	117,9	12	18,5	0,575
	HJ2317 E	3	2	85	117,9	12	22	0,595
	HJ417	4	0	85	126	14	24	0,88
90	HJ218 E	2	0	90	114,4	9	14	0,32
	HJ2218 E	2	2	90	114,4	9	15	0,325
	HJ318 E	3	0	90	124,2	12	18,5	0,63
	HJ2318 E	3	2	90	124,2	12	22	0,66
	HJ418	4	0	90	137	14	24	1,05
95	HJ219 E	2	0	95	120,6	9	14	0,355
	HJ2219 E	2	2	95	120,6	9	15,5	0,365
	HJ319 E	3	0	95	132,2	13	20,5	0,785
	HJ2319 E	3	2	95	132	13	26,5	0,76
	HJ419	4	0	95	147	15	25,5	1,3
100	HJ220 E	2	0	100	127,5	10	15	0,435
	HJ2220 E	2	2	100	127,5	10	16	0,45
	HJ320 E	3	0	100	139,6	13	20,5	0,89
	HJ2320 E	3	2	100	139,6	13	23,5	0,92
	HJ420	4	0	100	153,5	16	27	1,5
105	HJ221 E	2	0	105	134,8	10	16	0,51
	HJ321 E	3	0	105	145	13	20,5	0,97
	HJ421	4	0	105	159,5	16	27	1,65
110	HJ222 E	2	0	110	141,7	11	17	0,62

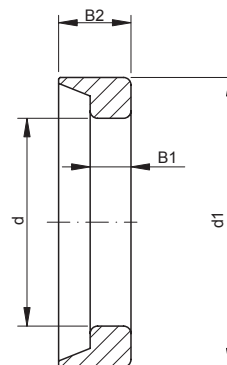
Basic makes*	Application		Bearing No.
-	NH	NUJ	
⊕	NH2312 E	NUJ2312 E	HJ2312 E
⊖	NH412	NUJ412	HJ412
⊕	NH213 E	NUJ213 E	HJ213 E
⊕	NH2213 E	NUJ2213 E	HJ2213 E
⊕	NH313 E	NUJ313 E	HJ313 E
⊕	NH2313 E	NUJ2313 E	HJ2313 E
⊕	NH413	NUJ413	HJ413
⊕	NH214 E	NUJ214 E	HJ214 E
⊕	NH2214 E	NUJ2214 E	HJ2214 E
⊕	NH314 E	NUJ314 E	HJ314 E
⊕	NH2314 E	NUJ2314 E	HJ2314 E
⊕	NH414	NUJ414	HJ414
⊕	NH215 E	NUJ215 E	HJ215 E
⊕	NH2215 E	NUJ2215 E	HJ2215 E
⊕	NH315 E	NUJ315 E	HJ315 E
⊕	NH2315 E	NUJ2315 E	HJ2315 E
⊕	NH415	NUJ415	HJ415
⊕	NH216 E	NUJ216 E	HJ216 E
⊕	NH2216 E	NUJ2216 E	HJ2216 E
⊕	NH316 E	NUJ316 E	HJ316 E
⊕	NH2316 E	NUJ2316 E	HJ2316 E
⊕	NH416	NUJ416	HJ416
⊕	NH217 E	NUJ217 E	HJ217 E
⊕	NH2217 E	NUJ2217 E	HJ2217 E
⊕	NH317 E	NUJ317 E	HJ317 E
⊕	NH2317 E	NUJ2317 E	HJ2317 E
⊕	NH417	NUJ417	HJ417
⊕	NH218 E	NUJ218 E	HJ218 E
⊕	NH2218 E	NUJ2218 E	HJ2218 E
⊕	NH318 E	NUJ318 E	HJ318 E
⊕	NH2318 E	NUJ2318 E	HJ2318 E
⊕	NH418	NUJ418	HJ418
⊕	NH219 E	NUJ219 E	HJ219 E
⊕	NH2219 E	NUJ2219 E	HJ2219 E
⊕	NH319 E	NUJ319 E	HJ319 E
⊕	NH2319 E	NUJ2319 E	HJ2319 E
⊕	NH419	NUJ419	HJ419
⊕	NH220 E	NUJ220 E	HJ220 E
⊕	NH2220 E	NUJ2220 E	HJ2220 E
⊕	NH320 E	NUJ320 E	HJ320 E
⊕	NH2320 E	NUJ2320 E	HJ2320 E
⊕	NH420	NUJ420	HJ420
⊕	NH221 E	NUJ221 E	HJ221 E
⊕	NH321 E	NUJ321 E	HJ321 E
⊕	NH421	NUJ421	HJ421
⊕	NH222 E	NUJ222 E	HJ222 E

* Other products also available



5. CYLINDRICAL ROLLER BEARINGS

5.4. Angular rings for cylindrical roller bearings - HJ



HJ..

110 – 200 mm

Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]
		SD	SB	d	d1	B1	B2	
110 cont.	HJ2222 E	2	2	110	141,7	11	19,5	0,645
	HJ322 E	3	0	110	155,8	14	22	1,21
	HJ2322 E	3	2	110	155,8	14	26,5	1,27
	HJ422	4	0	110	171	17	29,5	2,1
120	HJ224 E	2	0	120	153,4	11	17	0,71
	HJ2224 E	2	2	120	153,4	11	20	0,745
	HJ324 E	3	0	120	168,6	14	22,5	1,41
	HJ2324 E	3	2	120	168,6	14	26	1,46
	HJ424	4	0	120	188	17	30,5	2,6
130	HJ226 E	2	0	130	164,2	11	17	0,79
	HJ2226 E	2	2	130	164,2	11	21	0,84
	HJ326 E	3	0	130	182,3	14	23	1,65
	HJ2326 E	3	2	130	182,3	14	28	1,73
	HJ426	4	0	130	205	18	32	3,3
140	HJ228 E	2	0	140	180	11	18	0,99
	HJ2228 E	2	2	140	180	11	23	1,07
	HJ328 E	3	0	140	196	15	25	2,04
	HJ2328 E	3	2	140	196	15	31	2,14
	HJ428	4	0	140	219	18	33	3,75
150	HJ230 E	2	0	150	193,7	12	19,5	1,26
	HJ2230 E	2	2	150	193,7	12	24,5	1,35
	HJ330 E	3	0	150	209	15	25	2,35
	HJ2330 E	3	2	150	210	15	31,5	2,48
	HJ430	4	0	150	234	20	36,5	4,7
160	HJ232 E	2	0	160	207,3	12	20	1,48
	HJ2232 E	2	2	160	206,1	12	24,5	1,55
	HJ332 E	3	0	160	221	15	25	2,59
	HJ2332 E	3	2	160	222,1	15	32	2,76
170	HJ1034	0	0	170	201	11	21	0,94
	HJ234 E	2	0	170	220,8	12	20	1,7
	HJ2234 E	2	2	170	219,5	12	24	1,79
	HJ2334	3	2	170	238	16	38,5	3,85
	HJ334 E	3	0	170	238	16	29,5	3,25
180	HJ1036	0	0	180	215	12	22,5	1,2
	HJ236 E	2	0	180	230,8	12	20	1,79
	HJ2236 E	2	2	180	229,5	12	24	1,88
	HJ336 E	3	0	180	250,5	17	28,5	3,85
	HJ2336	3	2	180	252	17	40	4,6
190	HJ1038	0	0	190	225	12	22,5	1,25
	HJ238 E	2	0	190	244,5	13	21,5	2,19
	HJ2238 E	2	2	190	243,2	13	26,5	2,31
	HJ338 E	3	0	190	264	18	29	4,45
	HJ2338 E	3	2	190	262,5	18	36,5	4,87
200	HJ1040	0	0	200	239	13	25,5	1,65
	HJ240 E	2	0	200	258,2	14	23	2,65
	HJ2240 E	2	2	200	256,9	14	28	2,78
	HJ340 E	3	0	200	279	18	30	5

Basic makes*	Application		Bearing No.
-	NH	NUJ	
⊕	NH2222 E	NUJ2222 E	HJ2222 E
⊕	NH322 E	NUJ322 E	HJ322 E
⊕	NH2322 E	NUJ2322 E	HJ2322 E
⊕	NH422	NUJ422	HJ422
⊕	NH224 E	NUJ224 E	HJ224 E
⊕	NH2224 E	NUJ2224 E	HJ2224 E
⊕	NH324 E	NUJ324 E	HJ324 E
⊕	NH2324 E	NUJ2324 E	HJ2324 E
⊕	NH424	NUJ424	HJ424
⊕	NH226 E	NUJ226 E	HJ226 E
⊕	NH2226 E	NUJ2226 E	HJ2226 E
⊕	NH326 E	NUJ326 E	HJ326 E
⊕	NH2326 E	NUJ2326 E	HJ2326 E
⊕	NH426	NUJ426	HJ426
⊕	NH228 E	NUJ228 E	HJ228 E
⊕	NH2228 E	NUJ2228 E	HJ2228 E
⊕	NH328 E	NUJ328 E	HJ328 E
⊕	NH2328 E	NUJ2328 E	HJ2328 E
⊕	NH428	NUJ428	HJ428
⊕	NH230 E	NUJ230 E	HJ230 E
⊕	NH2230 E	NUJ2230 E	HJ2230 E
⊕	NH330 E	NUJ330 E	HJ330 E
⊕	NH2330 E	NUJ2330 E	HJ2330 E
⊕	NH430	NUJ430	HJ430
⊕	NH232 E	NUJ232 E	HJ232 E
⊕	NH2232 E	NUJ2232 E	HJ2232 E
⊕	NH332 E	NUJ332 E	HJ332 E
⊕	NH2332 E	NUJ2332 E	HJ2332 E
⊕	NH1034	NUJ1034	HJ1034
⊕	NH234 E	NUJ234 E	HJ234 E
⊕	NH2234 E	NUJ2234 E	HJ2234 E
⊕	NH2334	NUJ2334	HJ2334
⊕	NH334 E	NUJ334 E	HJ334 E
⊕	NH1036	NUJ1036	HJ1036
⊕	NH236 E	NUJ236 E	HJ236 E
⊕	NH2236 E	NUJ2236 E	HJ2236 E
⊕	NH336 E	NUJ336 E	HJ336 E
⊕	NH2336	NUJ2336	HJ2336
⊕	NH1038	NUJ1038	HJ1038
⊕	NH238 E	NUJ238 E	HJ238 E
⊕	NH2238 E	NUJ2238 E	HJ2238 E
⊕	NH338 E	NUJ338 E	HJ338 E
⊕	NH2338 E	NUJ2338 E	HJ2338 E
⊕	NH1040	NUJ1040	HJ1040
⊕	NH240 E	NUJ240 E	HJ240 E
⊕	NH2240 E	NUJ2240 E	HJ2240 E
⊕	NH340 E	NUJ340 E	HJ340 E

* Other products also available

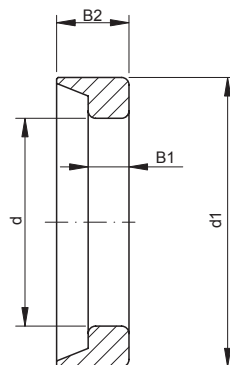


5. CYLINDRICAL ROLLER BEARINGS

5.4. Angular rings for cylindrical roller bearings - HJ



200 – 500 mm



HJ..

Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]
		SD	SB	d	d1	B1	B2	
200 cont.	HJ2340 E	3	2	200	276,1	18	37	5,28
220	HJ1044	0	0	220	262	14	27	2,1
	HJ244 E	2	0	220	285,8	15	25	3,55
	HJ2244	2	2	220	279	15	29	3,55
	HJ344	3	0	220	307	20	36	7,05
	HJ2344 E	3	2	220	301	20	40	6,8
240	HJ1048	0	0	240	282	14	27	2,25
	HJ248 E	2	0	240	312,6	16	27	4,65
	HJ2248	2	2	240	313	16	38,5	4,65
	HJ348 E	3	0	240	331,3	22	35,5	8,2
	HJ2348	3	2	240	335	22	52	10,5
260	HJ1052	0	0	260	309	16	31,5	3,3
	HJ252 E	2	0	260	337,5	18	30	6,2
	HJ2252	2	2	260	313	16	38,5	4,65
	HJ352	3	0	260	340	18	40,5	9,8
280	HJ1056	0	0	280	329	16	31,5	3,55
	HJ256	2	0	280	360	18	33	7,15
	HJ2256 E	2	2	280	350	18	38	4,65
	HJ356 E	3	0	280	389,8	26	42,5	13,8
	HJ2356	3	2	280	390	26	58,5	14
300	HJ1060	0	0	300	356	19	36	5,15
	HJ260	2	0	300	387	20	34,5	7,4
	HJ2260	2	2	300	313	16	38,5	4,65
320	HJ1064	0	0	320	376	19	36	5,45
	HJ264	2	0	320	415	21	37	11,3
	HJ2264	2	2	320	313	16	38,5	4,65
340	HJ1068	0	0	340	403	21	39,5	7,2
360	HJ1072	0	0	360	423	21	39,5	7,55
380	HJ1076	0	0	380	443	21	39,5	7,95
400	HJ1080	0	0	400	470	23	43	10,5
420	HJ1084	0	0	420	490	23	43	11
440	HJ1088	0	0	440	513	24	45	12
460	HJ1092	0	0	460	537	25	48	14
480	HJ1096	0	0	480	557	25	48	14,5
500	HJ10/500	0	0	500	577	25	48	15

- warehouse - order - phone

Basic makes*	Application		Bearing No.
-	NH	NUJ	
⊕	NH2340 E	NUJ2340 E	HJ2340 E
⊕	NH1044	NUJ1044	HJ1044
⊕	NH244 E	NUJ244 E	HJ244 E
⊕	NH2244	NUJ2244	HJ2244
⊕	NH344	NUJ344	HJ344
⊕	NH2344 E	NUJ2344 E	HJ2344 E
⊕	NH1048	NUJ1048	HJ1048
⊕	NH248 E	NUJ248 E	HJ248 E
⊕	NH2248	NUJ2248	HJ2248
⊕	NH348 E	NUJ348 E	HJ348 E
⊕	NH2348	NUJ2348	HJ2348
↷	NH1052	NUJ1052	HJ1052
↷	NH252 E	NUJ252 E	HJ252 E
↷	NH2252	NUJ2252	HJ2252
↷	NH352	NUJ352	HJ352
↷	NH1056	NUJ1056	HJ1056
↷	NH256	NUJ256	HJ256
↷	NH2256 E	NUJ2256 E	HJ2256 E
↷	NH356 E	NUJ356 E	HJ356 E
↷	NH2356	NUJ2356	HJ2356
↷	NH1060	NUJ1060	HJ1060
↷	NH260	NUJ260	HJ260
↷	NH2260	NUJ2260	HJ2260
↷	NH1064	NUJ1064	HJ1064
↷	NH264	NUJ264	HJ264
↷	NH2264	NUJ2264	HJ2264
↷	NH1068	NUJ1068	HJ1068
↷	NH1072	NUJ1072	HJ1072
↷	NH1076	NUJ1076	HJ1076
↷	NH1080	NUJ1080	HJ1080
↷	NH1084	NUJ1084	HJ1084
↷	NH1088	NUJ1088	HJ1088
↷	NH1092	NUJ1092	HJ1092
↷	NH1096	NUJ1096	HJ1096
↷	NH10/500	NUJ10/500	HJ10/500

* Other products also available

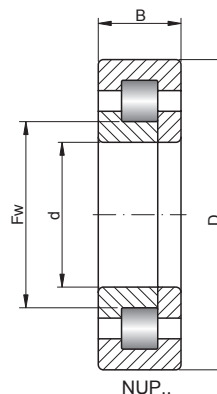


5. CYLINDRICAL ROLLER BEARINGS

5.5. Single-row cylindrical roller bearings - type - NUP



15 – 45 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
15	NUP202 E	2	0	15	35	11	19,3	0,05	12,7	10,4
	NUP302 E	3	0	15	42	13	21	0,092	19,4	15,3
17	NUP203 E	2	0	17	40	12	22,1	0,073	17,6	14,6
	NUP2203 E	2	2	17	40	16	22,1	0,096	24	22
	NUP303 E	3	0	17	47	14	24,2	0,126	25,5	21,2
20	NUP204 E	2	0	20	47	14	26,5	0,118	25,7	22,6
	NUP2204 E	2	2	20	47	18	26,5	0,154	30,6	28,3
	NUP304 E	3	0	20	52	15	27,5	0,161	31,5	26,9
	NUP2304 E	3	2	20	52	21	27,5	0,227	42	38,8
25	NUP1005	0	0	25	47	12	30,5	0,088	14,3	13,1
	NUP205 E	2	0	25	52	15	31,5	0,146	29,3	27,7
	NUP2205 E	2	2	25	52	18	31,5	0,174	34,9	34,6
	NUP305 E	3	0	25	62	17	34	0,255	41,6	37,4
	NUP2305 E	3	2	25	62	24	34	0,368	57	56,1
30	NUP1006	0	0	30	55	13	36,5	0,127	18,7	18,4
	NUP206 E	2	0	30	62	16	37,5	0,22	39,1	37,4
	NUP2206 E	2	2	30	62	20	37,5	0,276	48,9	49,8
	NUP3206	2	3	30	62	23,8	38,5	0,361	42,7	46,4
	NUP306 E	3	0	30	72	19	40,5	0,38	53,1	50,2
	NUP2306 E	3	2	30	72	27	40,5	0,562	74,6	77,6
	NUP3306	3	3	30	72	30,2	42	0,684	69,1	74,3
	NUP406	4	0	30	90	23	45	0,793	62,8	55
35	NUP1007	0	0	35	62	14	42	0,192	22,6	23,2
	NUP207 E	2	0	35	72	17	44	0,322	50,2	50,2
	NUP2207 E	2	2	35	72	23	44	0,426	61,6	65,3
	NUP3207	2	3	35	72	27	43,8	0,552	54,8	59,1
	NUP307 E	3	0	35	80	21	46,2	0,508	66,6	65,4
	NUP2307 E	3	2	35	80	31	46,2	0,767	93,1	101
	NUP3307	3	3	35	80	34,9	46,2	0,956	81,7	89,1
	NUP407	4	0	35	100	25	53	1,074	75,2	68,9
40	NUP1008	0	0	40	68	15	47	0,235	24,9	25,7
	NUP208 E	2	0	40	80	18	49,5	0,404	55,7	55,4
	NUP2208 E	2	2	40	80	23	49,5	0,516	72,3	77,6
	NUP5208	2	5	40	80	30,16	49,3	0,777	57	98,1
	NUP3208	2	3	40	80	30,2	50	0,749	78,3	90,6
	NUP308 E	3	0	40	90	23	52	0,699	83,1	91,5
	NUP2308 E	3	2	40	90	33	52	1,013	114	122
	NUP3308	3	3	40	90	36,5	53,5	1,253	104	119
	NUP408	4	0	40	110	27	58	1,369	97,1	89,1
45	NUP1009	0	0	45	75	16	52,5	0,305	31	33,8
	NUP2009	0	2	45	75	19	52,5	0,358	52,8	64
	NUP209 E	2	0	45	85	19	54,5	0,463	63,1	66,4
	NUP2209 E	2	2	45	85	23	54,5	0,564	76,1	84,6
	NUP5209	2	5	45	85	30,16	55,5	0,839	89,1	117,7
	NUP3209	2	3	45	85	30,2	55	0,811	82,4	99
	NUP309 E	3	0	45	100	25	58,5	0,957	97,4	98,3
	NUP2309 E	3	2	45	100	36	58,5	1,39	137	153
	NUP3309	3	3	45	100	39,7	58,5	1,674	131	149
	NUP409	4	0	45	120	29	64,5	1,727	115	112

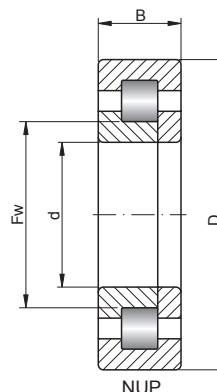
Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K		
19000	22000	☞	☞	☞	☞	☹	☹	☞	NUP202 E	
16000	19000	☞	☞	☞	☞	☹	☹	☞	NUP302 E	
17000	20000	☞	☞	☞	☞	☹	☹	☞	NUP203 E	
16000	18500	☞	☞	☞	☞	☹	☹	☞	NUP2203 E	
14000	17000	☞	☞	☞	☞	☹	☹	☞	NUP303 E	
15000	18000	☞	☞	☞	☞	☹	☹	☞	NUP204 E	
13000	18000	☞	☞	☞	☞	☹	☹	☞	NUP2204 E	
12000	16000	☞	☞	☞	☞	☹	☹	☞	NUP304 E	
11000	16000	☞	☞	☞	☞	☹	☹	☞	NUP2304 E	
15000	18000	☹	☞	☞	☞	☹	☞	☞	NUP1005	
13000	15000	☞	☞	☞	☞	☹	☹	☞	NUP205 E	
12000	15000	☞	☞	☞	☞	☹	☹	☞	NUP2205 E	
10000	14000	☞	☞	☞	☞	☹	☹	☞	NUP305 E	
9100	14000	☞	☞	☞	☞	☹	☹	☞	NUP2305 E	
13000	15000	☹	☞	☞	☞	☹	☞	☞	NUP1006	
11000	13000	☞	☞	☞	☞	☹	☹	☞	NUP206 E	
9700	13000	☞	☞	☞	☞	☹	☹	☞	NUP2206 E	
8700	13000	☞	☞	☞	☞	☞	☞	☞	NUP3206	
8700	12000	☞	☞	☞	☞	☹	☹	☞	NUP306 E	
7800	12000	☞	☞	☞	☞	☹	☹	☞	NUP2306 E	
7700	12000	☞	☞	☞	☞	☞	☞	☞	NUP3306	
7600	10000	☞	☹	☞	☞	☹	☹	☞	NUP406	
11000	13000	☹	☞	☞	☞	☹	☞	☞	NUP1007	
9300	11000	☞	☞	☞	☞	☹	☹	☞	NUP207 E	
8300	11000	☞	☞	☞	☞	☹	☹	☞	NUP2207 E	
7600	11000	☞	☞	☞	☞	☞	☹	☞	NUP3207	
7700	10000	☞	☞	☞	☞	☹	☹	☞	NUP307 E	
6900	10000	☞	☞	☞	☞	☹	☹	☞	NUP2307 E	
7000	10000	☞	☞	☞	☞	☞	☞	☞	NUP3307	
6600	8800	☞	☹	☞	☞	☹	☹	☞	NUP407	
10000	12000	☹	☞	☞	☞	☹	☞	☞	NUP1008	
8300	9900	☞	☞	☞	☞	☹	☹	☞	NUP208 E	
7400	9900	☞	☞	☞	☞	☹	☹	☞	NUP2208 E	
7500	8900	☞	☞	☞	☞	☞	☞	☞	NUP5208	
6700	10000	☞	☞	☞	☞	☹	☹	☞	NUP3208	
6800	9100	☞	☞	☞	☞	☹	☹	☞	NUP308 E	
6100	9100	☞	☞	☞	☞	☹	☹	☞	NUP2308 E	
6100	9100	☞	☞	☞	☞	☞	☞	☞	NUP3308	
6000	8000	☞	☹	☞	☞	☹	☹	☞	NUP408	
9200	11000	☹	☞	☞	☞	☹	☞	☞	NUP1009	
9000	11000	☞	☞	☞	☞	☞	☹	☞	NUP2009	
7600	9200	☞	☞	☞	☞	☹	☹	☞	NUP209 E	
6900	9200	☞	☞	☞	☞	☹	☹	☞	NUP2209 E	
6700	7900	☞	☞	☞	☞	☞	☞	☞	NUP5209	
6100	9200	☞	☞	☞	☞	☞	☞	☞	NUP3209	
6100	8200	☞	☞	☞	☞	☹	☹	☞	NUP309 E	
5400	8200	☞	☞	☞	☞	☹	☹	☞	NUP2309 E	
5500	8300	☞	☞	☞	☞	☞	☞	☞	NUP3309	
5400	7200	☞	☹	☞	☞	☹	☹	☞	NUP409	

* Other products also available



5. CYLINDRICAL ROLLER BEARINGS

5.5. Single-row cylindrical roller bearings - type - NUP



50 – 75 mm

Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
50	NUP1010	0	0	50	80	16	57,5	0,322	33,6	36,8
	NUP210 E	2	0	50	90	20	59,5	0,523	66,1	71,9
	NUP2210 E	2	2	50	90	23	59,5	0,61	79,7	91,5
	NUP5210	2	5	50	90	30,16	60,4	0,923	92,6	128
	NUP3210	2	3	50	90	30,2	60,4	0,873	86,2	108
	NUP310 E	3	0	50	110	27	65	1,211	110	113
	NUP2310 E	3	2	50	110	40	65	1,853	163	187
	NUP3310	3	3	50	110	44,4	65	2,253	156	183
	NUP410	4	0	50	130	31	70,8	2,117	139	136
55	NUP1011	0	0	55	90	18	64,5	0,469	37,4	43,8
	NUP211 E	2	0	55	100	21	66	0,684	86,4	98,7
	NUP2211 E	2	2	55	100	25	66	0,849	101	122
	NUP3211	2	3	55	100	33,3	66,5	1,2	95,5	118
	NUP5211	2	5	55	100	33,34	66,9	1,264	119	171
	NUP311 E	3	0	55	120	29	70,5	1,579	137	143
	NUP2311 E	3	2	55	120	43	70,5	2,369	201	233
	NUP3311	3	3	55	120	49,2	70,5	2,959	188	220
	NUP411	4	0	55	140	33	77,2	2,643	142	138
60	NUP1012	0	0	60	95	18	69,5	0,503	42,1	50
	NUP212 E	2	0	60	110	22	72	0,874	97,7	107
	NUP2212 E	2	2	60	110	28	72	1,148	131	157
	NUP3212	2	3	60	110	36,5	73,5	1,601	128	167
	NUP5212	2	5	60	110	36,5	72,3	1,674	150	211
	NUP312 E	3	0	60	130	31	77	1,969	150	157
	NUP2312 E	3	2	60	130	46	77	2,959	223	262
	NUP3312	3	3	60	130	54	77	3,801	220	265
	NUP412	4	0	60	150	35	83	3,18	178	184
65	NUP1013	0	0	65	100	18	74,5	0,532	43,3	52,9
	NUP3013	0	3	65	100	26	74,5	0,74	105	146
	NUP213 E	2	0	65	120	23	78,5	1,106	108	119
	NUP2213 E	2	2	65	120	31	78,5	1,527	149	181
	NUP3213	2	3	65	120	38,1	79,6	2,001	148	197
	NUP5213	2	5	65	120	38,1	80,4	1,979	139	196
	NUP313 E	3	0	65	140	33	82,5	2,43	181	191
	NUP2313 E	3	2	65	140	48	82,5	3,54	251	287
	NUP3313	3	3	65	140	58,7	83,5	4,77	241	294
70	NUP413	4	0	65	160	37	89,3	3,77	198	203
	NUP1014	0	0	70	110	20	80	0,74	57,9	70,4
	NUP214 E	2	0	70	125	24	83,5	1,22	119	137
	NUP2214 E	2	2	70	125	31	83,5	1,61	156	194
	NUP5214	2	5	70	125	39,69	84,8	2,34	178	261
	NUP3214	2	3	70	125	39,7	84,5	2,2	147	198
	NUP314 E	3	0	70	150	35	89	2,95	205	222
	NUP2314 E	3	2	70	150	51	89	4,3	275	323
	NUP3314	3	3	70	150	63,5	90	5,92	283	356
75	NUP414	4	0	70	180	42	100	5,54	246	257
	NUP1015	0	0	75	115	20	85	0,77	63,6	78,1
	NUP215 E	2	0	75	130	25	88,5	1,35	130	156
	NUP2215 E	2	2	75	130	31	88,5	1,69	162	207
	NUP5215	2	5	75	130	41,28	89	2,53	196	299
	NUP3215	2	3	75	130	41,3	88,5	2,4	167	226

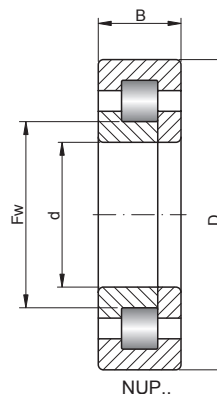
Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
8400	9900	⊕	↻	↻	↻	⊕	↻	↻	NUP1010
7100	8500	⊕	↻	↻	↻	⊕	⊕	↻	NUP210 E
6400	8500	⊕	↻	↻	↻	⊕	⊕	↻	NUP2210 E
6300	7500	↻	↻	↻	↻	↻	↻	↻	NUP5210
5700	8500	↻	↻	↻	↻	↻	↻	↻	NUP3210
5500	7400	⊕	↻	↻	↻	⊕	⊕	↻	NUP310 E
4900	7400	⊕	↻	↻	↻	⊕	⊕	↻	NUP2310 E
5000	7500	↻	↻	↻	↻	↻	↻	↻	NUP3310
4900	6600	⊕	⊕	↻	↻	⊕	⊕	↻	NUP410
7600	8900	⊕	↻	↻	↻	⊕	⊕	↻	NUP1011
6400	7700	⊕	↻	↻	↻	⊕	⊕	↻	NUP211 E
5800	7700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2211 E
5100	7700	↻	↻	↻	↻	↻	↻	↻	NUP3211
5600	6700	↻	↻	↻	↻	↻	↻	↻	NUP5211
5100	6700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP311 E
4500	6700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2311 E
4500	6800	↻	↻	↻	↻	↻	↻	↻	NUP3311
4600	6100	⊕	⊕	↻	↻	⊕	⊕	↻	NUP411
7000	8300	⊕	↻	↻	↻	⊕	⊕	↻	NUP1012
5800	6900	⊕	↻	↻	↻	⊕	⊕	↻	NUP212 E
5200	6900	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2212 E
4700	7000	↻	↻	↻	↻	↻	↻	↻	NUP3212
5300	6300	↻	↻	↻	↻	↻	↻	↻	NUP5212
4600	6200	⊕	⊕	↻	↻	⊕	⊕	↻	NUP312 E
4100	6200	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2312 E
4200	6300	↻	↻	↻	↻	↻	↻	↻	NUP3312
4200	5700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP412
6600	7800	⊕	↻	↻	↻	⊕	⊕	↻	NUP1013
6300	7500	↻	↻	↻	↻	↻	↻	↻	NUP3013
5300	6400	⊕	↻	↻	↻	⊕	⊕	↻	NUP213 E
4800	6400	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2213 E
4300	6400	↻	↻	↻	↻	↻	↻	↻	NUP3213
4700	5600	↻	↻	↻	↻	↻	↻	↻	NUP5213
4300	5700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP313 E
3800	5700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2313 E
3900	5800	↻	↻	↻	↻	↻	↻	↻	NUP3313
4000	5300	⊕	⊕	↻	↻	⊕	⊕	↻	NUP413
6100	7200	⊕	↻	↻	↻	⊕	⊕	↻	NUP1014
5000	6000	⊕	↻	↻	↻	⊕	⊕	↻	NUP214 E
4500	6000	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2214 E
4700	5600	↻	↻	↻	↻	↻	↻	↻	NUP5214
4100	6100	↻	↻	↻	↻	↻	↻	↻	NUP3214
4000	5300	⊕	⊕	↻	↻	⊕	⊕	↻	NUP314 E
3600	5300	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2314 E
3600	5400	↻	↻	↻	↻	↻	↻	↻	NUP3314
3500	4700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP414
5700	6800	⊕	↻	↻	↻	⊕	⊕	↻	NUP1015
4800	5700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP215 E
4300	5700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2215 E
4500	5300	↻	↻	↻	↻	↻	↻	↻	NUP5215
3900	5800	↻	↻	↻	↻	↻	↻	↻	NUP3215

* Other products also available



5. CYLINDRICAL ROLLER BEARINGS

5.5. Single-row cylindrical roller bearings - type - NUP



75 – 100 mm

Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
75 cont.	NUP315 E	3	0	75	160	37	95	3,55	240	263
	NUP2315 E	3	2	75	160	55	95	5,26	329	395
	NUP3315	3	3	75	160	68,3	95,5	7,22	338	430
	NUP415	4	0	75	190	45	104,5	6,58	265	274
80	NUP1016	0	0	80	125	22	91,5	1,05	69,3	86,4
	NUP216 E	2	0	80	140	26	95,3	1,64	139	167
	NUP2216 E	2	2	80	140	33	95,3	2,13	186	243
	NUP3216	2	3	80	140	44,4	95,3	3,03	190	259
	NUP5216	2	5	80	140	44,45	95,2	3,07	185	282
	NUP316 E	3	0	80	170	39	101	4,22	259	282
	NUP2316 E	3	2	80	170	58	101	6,27	361	431
	NUP3316	3	3	80	170	68,3	103	8,13	338	436
85	NUP416	4	0	80	200	48	110	7,66	302	315
	NUP1017	0	0	85	130	22	96,5	1,1	71,4	91,2
	NUP217 E	2	0	85	150	28	100,5	2,04	167	199
	NUP2217 E	2	2	85	150	36	100,5	2,67	218	279
	NUP3217	2	3	85	150	49,2	101,8	3,87	215	296
	NUP5217	2	5	85	150	49,21	102	3,89	211	316
	NUP317 E	3	0	85	180	41	108	5,06	291	330
	NUP2317 E	3	2	85	180	60	108	7,35	394	485
90	NUP3317	3	3	85	180	73	108	9,72	399	517
	NUP417	4	0	85	210	52	113	9,14	340	350
	NUP1018	0	0	90	140	24	103	1,42	84,7	109
	NUP218 E	2	0	90	160	30	107	2,5	182	217
	NUP2218 E	2	2	90	160	40	107	3,38	242	314
	NUP3218	2	3	90	160	52,4	107	4,73	270	373
	NUP5218	2	5	90	160	52,4	107,2	4,72	237	355
	NUP318 E	3	0	90	190	43	113,5	5,76	316	355
95	NUP2318 E	3	2	90	190	64	113,5	8,55	437	534
	NUP3318	3	3	90	190	73	115	10,84	428	559
	NUP418	4	0	90	225	54	123,5	10,84	374	400
	NUP1019	0	0	95	145	24	108	1,48	87,2	115
	NUP219 E	2	0	95	170	32	112,5	3,08	221	265
	NUP2219 E	2	2	95	170	43	112,5	4,13	287	371
	NUP5219	2	5	95	170	55,56	113,5	5,95	335	511
	NUP3219	2	3	95	170	55,6	113,5	5,7	297	412
100	NUP319 E	3	0	95	200	45	121,5	6,76	334	387
	NUP2319 E	3	2	95	200	67	121,5	9,89	394	496
	NUP3319	3	3	95	200	77,8	121,5	12,74	487	654
	NUP419	4	0	95	240	55	133,5	14,32	410	444
	NUP1920	9	0	100	140	20	110	0,96	67,7	94,4
	NUP1020	0	0	100	150	24	113	1,54	91	120
	NUP220 E	2	0	100	180	34	119	3,7	250	306
	NUP2220 E	2	2	100	180	46	119	5,08	334	444
	NUP3220	2	3	100	180	60,3	120	6,97	327	459
	NUP5220	2	5	100	180	60,32	121	6,83	304	473
	NUP320 E	3	0	100	215	47	127,5	8,16	379	424
	NUP2320 E	3	2	100	215	73	127,5	12,74	570	717
	NUP3320	3	3	100	215	82,6	129,5	15,79	530	706
	NUP420	4	0	100	250	58	139	14,74	458	498

Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
3700	5000	☹	☹	☹	☹	☹	☹	☹	NUP315 E
3300	5000	☹	☹	☹	☹	☹	☹	☹	NUP2315 E
3400	5000	☹	☹	☹	☹	☹	☹	☹	NUP3315
3300	4400	☹	☹	☹	☹	☹	☹	☹	NUP415
5300	6300	☹	☹	☹	☹	☹	☹	☹	NUP1016
4400	5300	☹	☹	☹	☹	☹	☹	☹	NUP216 E
4000	5300	☹	☹	☹	☹	☹	☹	☹	NUP2216 E
3600	5400	☹	☹	☹	☹	☹	☹	☹	NUP3216
4200	5000	☹	☹	☹	☹	☹	☹	☹	NUP5216
3500	4700	☹	☹	☹	☹	☹	☹	☹	NUP316 E
3100	4700	☹	☹	☹	☹	☹	☹	☹	NUP2316 E
3100	4700	☹	☹	☹	☹	☹	☹	☹	NUP3316
3100	4200	☹	☹	☹	☹	☹	☹	☹	NUP416
5100	6000	☹	☹	☹	☹	☹	☹	☹	NUP1017
4200	5000	☹	☹	☹	☹	☹	☹	☹	NUP217 E
3700	5000	☹	☹	☹	☹	☹	☹	☹	NUP2217 E
3300	5000	☹	☹	☹	☹	☹	☹	☹	NUP3217
3800	4500	☹	☹	☹	☹	☹	☹	☹	NUP5217
3300	4400	☹	☹	☹	☹	☹	☹	☹	NUP317 E
2900	4400	☹	☹	☹	☹	☹	☹	☹	NUP2317 E
3000	4500	☹	☹	☹	☹	☹	☹	☹	NUP3317
3000	4000	☹	☹	☹	☹	☹	☹	☹	NUP417
4700	5600	☹	☹	☹	☹	☹	☹	☹	NUP1018
3900	4700	☹	☹	☹	☹	☹	☹	☹	NUP218 E
3500	4700	☹	☹	☹	☹	☹	☹	☹	NUP2218 E
3100	4700	☹	☹	☹	☹	☹	☹	☹	NUP3218
3500	4200	☹	☹	☹	☹	☹	☹	☹	NUP5218
3100	4100	☹	☹	☹	☹	☹	☹	☹	NUP318 E
2800	4100	☹	☹	☹	☹	☹	☹	☹	NUP2318 E
2800	4200	☹	☹	☹	☹	☹	☹	☹	NUP3318
2800	3700	☹	☹	☹	☹	☹	☹	☹	NUP418
4500	5300	☹	☹	☹	☹	☹	☹	☹	NUP1019
3700	4400	☹	☹	☹	☹	☹	☹	☹	NUP219 E
3300	4400	☹	☹	☹	☹	☹	☹	☹	NUP2219 E
3300	4000	☹	☹	☹	☹	☹	☹	☹	NUP5219
3000	4400	☹	☹	☹	☹	☹	☹	☹	NUP3219
2900	3900	☹	☹	☹	☹	☹	☹	☹	NUP319 E
2600	4000	☹	☹	☹	☹	☹	☹	☹	NUP2319 E
2600	4000	☹	☹	☹	☹	☹	☹	☹	NUP3319
2600	3400	☹	☹	☹	☹	☹	☹	☹	NUP419
4500	5300	☹	☹	☹	☹	☹	☹	☹	NUP1920
4300	5100	☹	☹	☹	☹	☹	☹	☹	NUP1020
3500	4200	☹	☹	☹	☹	☹	☹	☹	NUP220 E
3100	4200	☹	☹	☹	☹	☹	☹	☹	NUP2220 E
2800	4200	☹	☹	☹	☹	☹	☹	☹	NUP3220
3200	3800	☹	☹	☹	☹	☹	☹	☹	NUP5220
2700	3600	☹	☹	☹	☹	☹	☹	☹	NUP320 E
2400	3600	☹	☹	☹	☹	☹	☹	☹	NUP2320 E
2500	3700	☹	☹	☹	☹	☹	☹	☹	NUP3320
2500	3300	☹	☹	☹	☹	☹	☹	☹	NUP420

* Other products also available

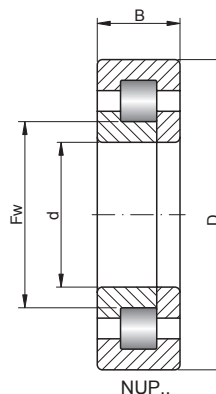


5. CYLINDRICAL ROLLER BEARINGS

5.5. Single-row cylindrical roller bearings - type - NUP



105 – 150 mm



NUP..

Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
105	NUP1921	9	0	105	145	20	115	1,01	71	102
	NUP1021	0	0	105	160	26	119,5	1,95	108	149
	NUP221 E	2	0	105	190	36	125,5	4,22	201	241
	NUP3221	2	3	105	190	65,1	126,8	8,42	344	482
	NUP5221	2	5	105	190	65,1	126,5	8,36	362	573
	NUP321 E	3	0	105	225	49	133	9,22	440	500
	NUP3321	3	3	105	225	87,3	135	18,32	638	871
	NUP421	4	0	105	260	60	144,5	20,11	471	510
110	NUP1022	0	0	110	170	28	125	2,43	134	171
	NUP222 E	2	0	110	200	38	132,5	5,16	293	365
	NUP2222 E	2	2	110	200	53	132,5	7,29	384	517
	NUP3222	2	3	110	200	69,8	132,5	10,05	427	607
	NUP5222	2	5	110	200	69,85	132,9	10,53	464	736
	NUP322 E	3	0	110	240	50	143	11,27	451	525
	NUP2322 E	3	2	110	240	80	143	19,79	680	880
	NUP3322	3	3	110	240	92,1	143	22,21	678	918
120	NUP422	4	0	110	280	65	155	20,95	550	621
	NUP2924	9	2	120	180	27	131,5	1,82	116	188
	NUP1024	0	0	120	180	28	135	2,6	137	181
	NUP224 E	2	0	120	215	40	143,5	6,16	336	421
	NUP2224 E	2	2	120	215	58	143,5	9,02	452	619
	NUP3224	2	3	120	215	76	143,5	12,53	477	695
	NUP5224	2	5	120	215	76,2	145,1	12,42	482	794
	NUP324 E	3	0	120	260	55	154	14,11	528	610
130	NUP2324 E	3	2	120	260	86	154	24,33	793	1030
	NUP3324	3	3	120	260	106	154	29,8	826	1120
	NUP424	4	0	120	310	72	170	29,49	690	770
	NUP1926	9	0	130	180	24	142	1,89	112	163
	NUP2926	9	2	130	180	30	142	2,39	152	243
	NUP1026	0	0	130	200	33	148	3,97	171	238
	NUP2026	0	2	130	200	42	147	4,84	297	440
	NUP226 E	2	0	130	230	40	153,5	6,95	364	453
140	NUP2226 E	2	2	130	230	64	153,5	11,79	530	737
	NUP5226	2	5	130	230	79,38	155	14,53	511	841
	NUP3226	2	3	130	230	80	156	14,85	550	857
	NUP326 E	3	0	130	280	58	167	17,59	616	736
	NUP2326 E	3	2	130	280	93	167	30,65	920	1230
	NUP3326	3	3	130	280	112	167	36,43	936	1290
	NUP426	4	0	130	340	78	185	38,01	771	876
	NUP1928	9	0	140	190	24	152	2	117	177
150	NUP2928	9	2	140	190	30	152	2,63	165	275
	NUP1028	0	0	140	210	33	158	4,22	175	250
	NUP228 E	2	0	140	250	42	169	8,95	392	514
	NUP2228 E	2	2	140	250	68	169	15,06	572	835
	NUP5228	2	5	140	250	82,55	168,4	18,01	596	981
	NUP3228	2	3	140	250	88	169	19,48	604	939
	NUP328 E	3	0	140	300	62	180	21,48	663	797
	NUP2328 E	3	2	140	300	102	180	38,75	1020	1380
150	NUP3328	3	3	140	300	118	180	43,7	1090	1550
	NUP428	4	0	140	360	82	198	49,28	874	1020
150	NUP1030	0	0	150	225	35	169,5	5,09	201	281

Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
4100	4900	↻	↻	↻	↻	↻	↻	↻	NUP1921
4100	4800	⊕	⊕	↻	↻	⊕	⊕	↻	NUP1021
3300	3900	⊕	⊕	↻	↻	⊕	⊕	↻	NUP221 E
2600	3900	↻	↻	↻	↻	↻	↻	↻	NUP3221
3000	3500	↻	↻	↻	↻	↻	↻	↻	NUP5221
2600	3500	⊕	⊕	↻	↻	⊕	⊕	↻	NUP321 E
2300	3500	↻	↻	↻	↻	↻	↻	↻	NUP3321
2400	3100	⊕	⊕	↻	↻	⊕	⊕	↻	NUP421
3800	4500	⊕	⊕	↻	↻	⊕	⊕	↻	NUP1022
3100	3700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP222 E
2800	3700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2222 E
2500	3700	↻	↻	↻	↻	↻	↻	↻	NUP3222
3000	3500	↻	↻	↻	↻	↻	↻	↻	NUP5222
2400	3200	⊕	⊕	↻	↻	⊕	⊕	↻	NUP322 E
2200	3200	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2322 E
2200	3300	↻	↻	↻	↻	↻	↻	↻	NUP3322
2200	2900	⊕	⊕	↻	↻	⊕	⊕	↻	NUP422
3700	4600	↻	↻	↻	↻	↻	↻	↻	NUP2924
3500	4200	⊕	⊕	↻	↻	⊕	⊕	↻	NUP1024
2800	3400	⊕	⊕	↻	↻	⊕	⊕	↻	NUP224 E
2600	3400	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2224 E
2300	3400	↻	↻	↻	↻	↻	↻	↻	NUP3224
2700	3200	↻	↻	↻	↻	↻	↻	↻	NUP5224
2200	3000	⊕	⊕	↻	↻	⊕	⊕	↻	NUP324 E
2000	3000	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2324 E
2000	3000	↻	↻	↻	↻	↻	↻	↻	NUP3324
1900	2600	⊕	⊕	↻	↻	⊕	⊕	↻	NUP424
3600	4600	↻	↻	↻	↻	↻	↻	↻	NUP1926
3500	4500	↻	↻	↻	↻	↻	↻	↻	NUP2926
3200	3800	⊕	⊕	↻	↻	⊕	⊕	↻	NUP1026
3200	4800	↻	↻	↻	↻	↻	↻	↻	NUP2026
2600	3200	⊕	⊕	↻	↻	⊕	⊕	↻	NUP226 E
2400	3200	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2226 E
2500	3000	↻	↻	↻	↻	↻	↻	↻	NUP5226
2100	3200	↻	↻	↻	↻	↻	↻	↻	NUP3226
2000	2700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP326 E
1800	2700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2326 E
1800	2700	↻	↻	↻	↻	↻	↻	↻	NUP3326
1800	2300	⊕	⊕	↻	↻	⊕	⊕	↻	NUP426
3200	4400	↻	↻	↻	↻	↻	↻	↻	NUP1928
3250	4400	↻	↻	↻	↻	↻	↻	↻	NUP2928
3000	3600	⊕	⊕	↻	↻	⊕	⊕	↻	NUP1028
2400	2900	⊕	⊕	↻	↻	⊕	⊕	↻	NUP228 E
2200	2900	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2228 E
2200	2700	↻	↻	↻	↻	↻	↻	↻	NUP5228
1900	2900	↻	↻	↻	↻	↻	↻	↻	NUP3228
1900	2500	⊕	⊕	↻	↻	⊕	⊕	↻	NUP328 E
1700	2500	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2328 E
1700	2500	↻	↻	↻	↻	↻	↻	↻	NUP3328
1600	2200	⊕	⊕	↻	↻	⊕	⊕	↻	NUP428
2800	3300	⊕	⊕	↻	↻	⊕	⊕	↻	NUP1030

* Other products also available

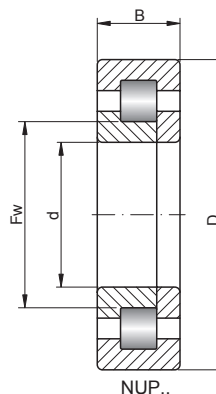


5. CYLINDRICAL ROLLER BEARINGS

5.5. Single-row cylindrical roller bearings - type - NUP



150 – 200 mm



NUP..

Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
150 cont.	NUP3030	0	3	150	225	56	171	8,45	374	652
	NUP230 E	2	0	150	270	45	182	11,27	448	594
	NUP2230 E	2	2	150	270	73	182	19,69	662	982
	NUP5230	2	5	150	270	88,9	181,5	24,11	736	1260
	NUP3230	2	3	150	270	96	182	24,95	749	1200
	NUP330 E	3	0	150	320	65	193	28,43	757	922
	NUP2330 E	3	2	150	320	108	193	47,07	1180	1600
	NUP3330	3	3	150	320	128	193	54,12	1180	1700
160	NUP430	4	0	150	380	85	213	56,12	930	1120
	NUP1932	9	0	160	220	28	175	3,24	149	228
	NUP2932	9	2	160	220	36	175	4,27	199	330
	NUP1032	0	0	160	240	38	180	6,25	236	330
	NUP2032	0	2	160	240	48	179	8,32	418	670
	NUP3132	1	3	160	270	86	187	21,69	681	1070
	NUP232 E	2	0	160	290	48	195	15,58	498	666
	NUP2232 E	2	2	160	290	80	193	24,85	809	1190
	NUP5232	2	5	160	290	98,42	193,6	30,43	764	1310
	NUP3232	2	3	160	290	104	195	31,38	857	1390
	NUP332 E	3	0	160	340	68	204	33,69	857	1050
	NUP2332 E	3	2	160	340	114	204	55,92	1310	1820
	NUP3332	3	3	160	340	136	208	64,76	1270	1890
170	NUP1034	0	0	170	260	42	193	8,32	276	400
	NUP2034	0	2	170	260	54	191	11,58	473	735
	NUP3034	0	3	170	260	67	196	13,69	461	824
	NUP234 E	2	0	170	310	52	207	19,59	603	802
	NUP2234 E	2	2	170	310	86	205	30,75	967	1410
	NUP5234	2	5	170	310	104,77	205,4	37,38	891	1470
	NUP3234	2	3	170	310	110	208	38,12	964	1580
	NUP2334 E	3	2	170	360	120	216	65,92	1220	1750
	NUP3334	3	3	170	360	140	220	74,55	1420	2120
180	NUP334 E	3	0	170	361	73	218	40,65	809	1010
	NUP1036	0	0	180	280	46	205	11,06	356	503
	NUP3036	0	3	180	280	74	207	18,21	600	1040
	NUP236 E	2	0	180	320	52	217	20,33	626	852
	NUP2236 E	2	2	180	320	86	215	32,01	1010	1510
	NUP3236	2	3	180	320	112	218	40,43	999	1680
	NUP336 E	3	0	180	380	75	231	44,86	917	1150
	NUP2336 E	3	2	180	380	126	227	76,87	1350	1940
190	NUP3336	3	3	180	380	150	232	88,87	1660	2520
	NUP436	4	0	180	440	95	247	84,23	1250	1600
	NUP1938	9	0	190	260	33	207,5	5,79	251	400
	NUP1038	0	0	190	290	46	215	11,48	366	530
	NUP3038	0	3	190	290	75	217	19,37	636	1140
	NUP3138	1	3	190	320	104	223	36,33	942	1570
	NUP238 E	2	0	190	340	55	230	24,53	694	954
	NUP2238 E	2	2	190	340	92	228	38,96	1100	1670
	NUP3238	2	3	190	340	120	231	49,28	1310	1930
200	NUP338 E	3	0	190	400	78	245	52,54	987	1260
	NUP2338 E	3	2	190	400	132	245	89,19	1520	2220
	NUP3338	3	3	190	400	155	245	101,62	1870	2910
	NUP2840	8	2	200	250	30	211,5	3,73	183	345

warehouse order phone

Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
3000	4300	↻	↻	↻	↻	↻	↻	↻	NUP3030
2200	2600	⊕	⊕	↻	↻	⊕	⊕	↻	NUP230 E
2000	2600	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2230 E
2000	2400	↻	↻	↻	↻	↻	↻	↻	NUP5230
1800	2700	↻	↻	↻	↻	↻	↻	↻	NUP3230
1700	2300	⊕	⊕	↻	↻	⊕	⊕	↻	NUP330 E
1500	2300	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2330 E
1600	2300	↻	↻	↻	↻	↻	↻	↻	NUP3330
1500	2000	⊕	⊕	↻	↻	⊕	⊕	↻	NUP430
2900	4200	↻	↻	↻	↻	↻	↻	↻	NUP1932
3000	4300	↻	↻	↻	↻	↻	↻	↻	NUP2932
2600	3000	⊕	⊕	↻	↻	⊕	⊕	↻	NUP1032
2600	4000	↻	↻	↻	↻	↻	↻	↻	NUP2032
2500	4000	↻	↻	↻	↻	↻	↻	↻	NUP3132
2000	2400	⊕	⊕	↻	↻	⊕	⊕	↻	NUP232 E
1800	2400	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2232 E
1900	2200	↻	↻	↻	↻	↻	↻	↻	NUP5232
1600	2500	↻	↻	↻	↻	↻	↻	↻	NUP3232
1600	2100	⊕	⊕	↻	↻	⊕	⊕	↻	NUP332 E
1400	2100	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2332 E
1400	2200	↻	↻	↻	↻	↻	↻	↻	NUP3332
2400	2800	⊕	⊕	↻	↻	⊕	⊕	↻	NUP1034
2400	3600	↻	↻	↻	↻	↻	↻	↻	NUP2034
2700	4000	↻	↻	↻	↻	↻	↻	↻	NUP3034
1900	2200	⊕	⊕	↻	↻	⊕	⊕	↻	NUP234 E
1700	2200	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2234 E
1800	2100	↻	↻	↻	↻	↻	↻	↻	NUP5234
1500	2300	↻	↻	↻	↻	↻	↻	↻	NUP3234
1300	2000	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2334 E
1300	2000	↻	↻	↻	↻	↻	↻	↻	NUP3334
1500	2000	⊕	⊕	↻	↻	⊕	⊕	↻	NUP334 E
2200	2600	⊕	⊕	↻	↻	⊕	⊕	↻	NUP1036
2500	3800	↻	↻	↻	↻	↻	↻	↻	NUP3036
1800	2100	⊕	⊕	↻	↻	⊕	⊕	↻	NUP236 E
1600	2100	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2236 E
1400	2200	↻	↻	↻	↻	↻	↻	↻	NUP3236
1400	1900	⊕	⊕	↻	↻	⊕	⊕	↻	NUP336 E
1300	1900	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2336 E
1300	1900	↻	↻	↻	↻	↻	↻	↻	NUP3336
1600	2400	⊕	⊕	↻	↻	⊕	⊕	↻	NUP436
2750	4000	↻	↻	↻	↻	↻	↻	↻	NUP1938
2100	2500	⊕	⊕	↻	↻	⊕	⊕	↻	NUP1038
2200	3600	↻	↻	↻	↻	↻	↻	↻	NUP3038
2000	3200	↻	↻	↻	↻	↻	↻	↻	NUP3138
1700	2000	⊕	⊕	↻	↻	⊕	⊕	↻	NUP238 E
1500	2000	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2238 E
1300	2000	↻	↻	↻	↻	↻	↻	↻	NUP3238
1300	1800	⊕	⊕	↻	↻	⊕	⊕	↻	NUP338 E
1200	1800	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2338 E
1200	1800	↻	↻	↻	↻	↻	↻	↻	NUP3338
2800	3600	↻	↻	↻	↻	↻	↻	↻	NUP2840

* Other products also available

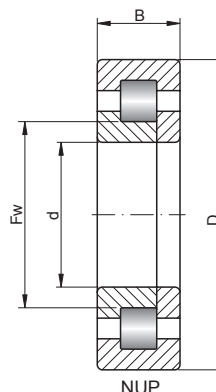


5. CYLINDRICAL ROLLER BEARINGS

5.5. Single-row cylindrical roller bearings - type - NUP



200 – 300 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
200 cont.	NUP1940	9	0	200	280	38	218	7,79	341	540
	NUP1040	0	0	200	310	51	229	14,85	388	582
	NUP3040	0	3	200	310	82	232	24,95	689	1250
	NUP240 E	2	0	200	360	58	243	28,65	766	1060
	NUP2240 E	2	2	200	360	98	241	46,75	1220	1870
	NUP3240	2	3	200	360	128	244	59,18	1200	2020
	NUP340 E	3	0	200	420	80	258	59,18	987	1270
	NUP2340 E	3	2	200	420	138	253	102,56	1520	2240
	NUP3340	3	3	200	420	165	260	118,99	1870	2930
220	NUP1944	9	0	220	300	38	240	8,74	336	560
	NUP2944	9	2	220	300	48	241,5	10,34	366	655
	NUP1044	0	0	220	340	56	250	19,48	507	748
	NUP3144	1	3	220	370	120	261	56,02	1230	2140
	NUP244 E	2	0	220	400	65	268	40,54	766	1080
	NUP2244 E	2	2	220	400	108	259	64,13	1130	1810
	NUP3244	2	3	220	400	144	270	82,97	1630	2880
	NUP344 E	3	0	220	460	88	282	78,35	1200	1570
	NUP2344 E	3	2	220	460	145	277	125,31	1810	2690
	NUP3344	3	3	220	460	180	284	155,84	2130	3300
240	NUP1048	0	0	240	360	56	270	21,17	535	822
	NUP3048	0	3	240	360	92	276	34,75	774	1450
	NUP248 E	2	0	240	440	72	293	54,86	949	1340
	NUP2248 E	2	2	240	440	120	287	86,87	1430	2320
	NUP3248	2	3	240	440	160	295	112,67	1950	3460
	NUP348 E	3	0	240	500	95	306	99,61	1430	1950
	NUP2348 E	3	2	240	500	155	303	160,06	2170	3320
	NUP3348	3	3	240	500	195	310	199,01	2540	4070
260	NUP1952	9	0	260	360	46	285	14,64	410	686
	NUP2952	9	2	260	360	60	285	19,37	558	1020
	NUP1052	0	0	260	400	65	296	30,75	651	979
	NUP3052	0	3	260	400	104	290,5	52,12	1420	2320
	NUP3152	1	3	260	440	144	308	97,61	1730	3120
	NUP252 E	2	0	260	480	80	317	72,65	1100	1580
	NUP2252 E	2	2	260	480	130	313	112,67	1790	2950
	NUP3252	2	3	260	480	174	320	146,37	2140	3680
	NUP352 E	3	0	260	540	102	337	126,36	1900	2600
	NUP2352 E	3	2	260	540	165	324	194,81	2430	3750
	NUP3352	3	3	260	540	206	336	244,29	2940	4790
280	NUP3856	8	3	280	350	52	298	12,11	427	968
	NUP1956	9	0	280	380	46	305	15,48	406	689
	NUP1056	0	0	280	420	65	316	37,07	669	1030
	NUP2056	0	2	280	420	82	314	42,2	1230	2160
	NUP3156	1	3	280	460	146	328	102,35	1810	3280
	NUP256 E	2	0	280	500	80	337	76,55	1140	1680
	NUP2256 E	2	2	280	500	130	333	120,04	2280	3600
	NUP356 E	3	0	280	580	108	362	152,7	2160	3000
	NUP2356 E	3	2	280	580	175	351	243,3	2750	4200
300	NUP2860	8	2	300	380	48	321	14,8	473	980
	NUP3860	8	3	300	380	60	322	17,4	543	1300
	NUP1960	9	0	300	420	56	332	24,5	507	873
	NUP1060	0	0	300	460	74	340	46,5	890	1380

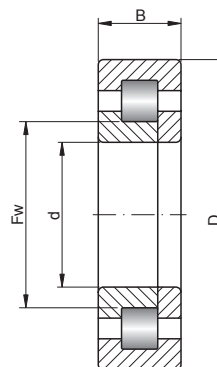
Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
2600	3800	↻	↻	↻	↻	↻	↻	↻	NUP1940
1900	2300	↻	↻	↻	↻	↻	↻	↻	NUP1040
2000	3400	↻	↻	↻	↻	↻	↻	↻	NUP3040
1600	1900	⊕	⊕	↻	↻	⊕	⊕	↻	NUP240 E
1400	1900	⊕	↻	↻	↻	⊕	⊕	↻	NUP2240 E
1300	1900	↻	↻	↻	↻	↻	↻	↻	NUP3240
1200	1700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP340 E
1100	1700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2340 E
1100	1700	↻	↻	↻	↻	↻	↻	↻	NUP3340
2400	3200	↻	↻	↻	↻	↻	↻	↻	NUP1944
2000	3000	↻	↻	↻	↻	↻	↻	↻	NUP2944
1700	2000	↻	↻	↻	↻	↻	↻	↻	NUP1044
1700	2700	↻	↻	↻	↻	↻	↻	↻	NUP3144
1400	1700	⊕	⊕	↻	↻	⊕	⊕	↻	NUP244 E
1200	1700	↻	↻	↻	↻	↻	↻	↻	NUP2244 E
1100	1700	↻	↻	↻	↻	↻	↻	↻	NUP3244
1100	1500	⊕	⊕	↻	↻	⊕	⊕	↻	NUP344 E
1000	1500	⊕	⊕	↻	↻	⊕	⊕	↻	NUP2344 E
990	1500	↻	↻	↻	↻	↻	↻	↻	NUP3344
1600	1900	↻	↻	↻	↻	↻	↻	↻	NUP1048
1600	2600	↻	↻	↻	↻	↻	↻	↻	NUP3048
1200	1500	⊕	⊕	↻	↻	⊕	⊕	↻	NUP248 E
1100	1500	↻	↻	↻	↻	↻	↻	↻	NUP2248 E
990	1500	↻	↻	↻	↻	↻	↻	↻	NUP3248
990	1300	↻	↻	↻	↻	↻	↻	↻	NUP348 E
900	1400	↻	↻	↻	↻	↻	↻	↻	NUP2348 E
880	1300	↻	↻	↻	↻	↻	↻	↻	NUP3348
2200	2900	↻	↻	↻	↻	↻	↻	↻	NUP1952
1600	2400	↻	↻	↻	↻	↻	↻	↻	NUP2952
1400	1700	↻	↻	↻	↻	↻	↻	↻	NUP1052
1500	2400	↻	↻	↻	↻	↻	↻	↻	NUP3052
1400	2300	↻	↻	↻	↻	↻	↻	↻	NUP3152
1100	1300	⊕	⊕	↻	↻	⊕	⊕	↻	NUP252 E
990	1300	↻	↻	↻	↻	↻	↻	↻	NUP2252 E
880	1300	↻	↻	↻	↻	↻	↻	↻	NUP3252
900	1100	↻	↻	↻	↻	↻	↻	↻	NUP352 E
800	1200	↻	↻	↻	↻	↻	↻	↻	NUP2352 E
790	1200	↻	↻	↻	↻	↻	↻	↻	NUP3352
2000	3300	↻	↻	↻	↻	↻	↻	↻	NUP3856
2000	2600	↻	↻	↻	↻	↻	↻	↻	NUP1956
1300	1500	↻	↻	↻	↻	↻	↻	↻	NUP1056
1400	2200	↻	↻	↻	↻	↻	↻	↻	NUP2056
1300	2150	↻	↻	↻	↻	↻	↻	↻	NUP3156
1000	1200	⊕	⊕	↻	↻	⊕	⊕	↻	NUP256 E
900	1250	↻	↻	↻	↻	↻	↻	↻	NUP2256 E
800	1000	↻	↻	↻	↻	↻	↻	↻	NUP356 E
750	1100	↻	↻	↻	↻	↻	↻	↻	NUP2356 E
1700	1700	↻	↻	↻	↻	↻	↻	↻	NUP2860
1800	2900	↻	↻	↻	↻	↻	↻	↻	NUP3860
1800	2300	↻	↻	↻	↻	↻	↻	↻	NUP1960
1200	1400	↻	↻	↻	↻	↻	↻	↻	NUP1060

* Other products also available



5. CYLINDRICAL ROLLER BEARINGS

5.5. Single-row cylindrical roller bearings - type - NUP



NUP..

300 – 420 mm

Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
300 cont.	NUP2060	0	2	300	460	95	341	62,7	1510	2750
	NUP3060	0	3	300	460	118	346	75,1	1290	2470
	NUP3160	1	3	300	500	160	352	135,8	2150	3940
	NUP260 E	2	0	300	540	85	364	95,5	1350	1960
	NUP2260	2	2	300	540	140	364	145,3	2400	3800
	NUP2360	3	2	300	620	185	371	284,3	4020	5850
320	NUP1864	8	0	320	400	38	341	12,3	369	710
	NUP2864	8	2	320	400	48	341	15,3	495	1060
	NUP1964	9	0	320	440	56	350	28,4	693	1200
	NUP1064	0	0	320	480	74	360	51	913	1450
	NUP2064	0	2	320	480	95	360	65,8	1450	265
	NUP3064	0	3	320	480	121	366	80,4	1320	2590
	NUP3164	1	3	320	540	176	368	184,3	3140	5400
	NUP264 E	2	0	320	580	92	390	120	1540	2270
	NUP2264	2	2	320	580	150	390	181,1	3000	4100
	NUP364	3	0	320	670	112	425	209,5	2300	3200
340	NUP2868	8	2	340	420	48	361	15,8	512	1120
	NUP3868	8	3	340	420	60	362	19,1	624	1500
	NUP1968	9	0	340	460	56	370	27,1	605	1080
	NUP2968	9	2	340	460	72	372	36,5	800	1620
	NUP1068	0	0	340	520	82	385	67,5	1090	1750
	NUP3068	0	3	340	520	133	393	107,4	1570	3080
	NUP3168	1	3	340	580	190	399	221,1	3190	5700
	NUP2268	2	2	340	620	165	416	231,7	2640	4500
360	NUP1872	8	0	360	440	38	380	12,3	339	692
	NUP1972	9	0	360	480	56	392	28,7	566	1060
	NUP2972	9	2	360	480	72	393	39,2	845	1820
	NUP1072	0	0	360	540	82	405	70,7	1120	1830
	NUP2072	0	2	360	540	106	405	93,2	1940	3600
	NUP3072	0	3	360	540	134	413	116,9	1970	4180
	NUP3172	1	3	360	600	192	405	236,9	3410	5700
	NUP2272	2	2	360	650	170	437	263,3	2920	4900
	NUP2372	3	2	360	750	224	465	537	5010	8150
380	NUP1876	8	0	380	480	46	406	24,2	539	1060
	NUP3876	8	3	380	480	75	405	34	852	1970
	NUP1076	0	0	380	560	82	425	73,8	1150	1920
	NUP2076	0	2	380	560	106	425	97,4	1980	3750
	NUP3076	0	3	380	560	135	433	119	1690	3470
	NUP2276	2	2	380	680	175	462	289,5	3140	5500
400	NUP1880	8	0	400	500	46	426	21,1	456	924
	NUP3880	8	3	400	500	75	426	36	852	2060
	NUP1980	9	0	400	540	65	435	43,2	952	1730
	NUP1080	0	0	400	600	90	450	95,8	1400	2310
	NUP2080	0	2	400	600	118	449	126,4	2200	4750
	NUP3080	0	3	400	600	148	450	155,8	2250	4370
420	NUP1884	8	0	420	520	46	447	21,5	550	1120
	NUP3884	8	3	420	520	75	448	37,3	882	2260
	NUP1984	9	0	420	560	65	456	44,7	800	1510
	NUP2984	9	2	420	560	82	458	62,2	1210	2550
	NUP1084	0	0	420	620	90	470	99,6	1390	2320

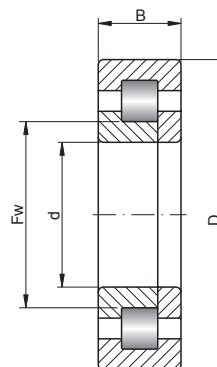
Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K		
1300	2000	↗	↗	↗	↗	↗	↗	↗	NUP2060	
1400	2200	↗	↗	↗	↗	↗	↗	↗	NUP3060	
1250	1900	↗	↗	↗	↗	↗	↗	↗	NUP3160	
920	1100	⌚	⌚	↗	↗	⌚	⌚	↗	NUP260 E	
880	1200	↗	↗	↗	↗	↗	↗	↗	NUP2260	
950	1600	↗	↗	↗	↗	↗	↗	↗	NUP2360	
1600	2400	↗	↗	↗	↗	↗	↗	↗	NUP1864	
1600	2400	↗	↗	↗	↗	↗	↗	↗	NUP2864	
1700	2100	↗	↗	↗	↗	↗	↗	↗	NUP1964	
1100	1300	↗	↗	↗	↗	↗	↗	↗	NUP1064	
1200	1900	↗	↗	↗	↗	↗	↗	↗	NUP2064	
1350	2000	↗	↗	↗	↗	↗	↗	↗	NUP3064	
1000	1700	↗	↗	↗	↗	↗	↗	↗	NUP3164	
840	1000	⌚	⌚	↗	↗	⌚	⌚	↗	NUP264 E	
850	1150	↗	↗	↗	↗	↗	↗	↗	NUP2264	
750	950	↗	↗	↗	↗	↗	↗	↗	NUP364	
1500	2000	↗	↗	↗	↗	↗	↗	↗	NUP2868	
1500	2200	↗	↗	↗	↗	↗	↗	↗	NUP3868	
1600	2000	↗	↗	↗	↗	↗	↗	↗	NUP1968	
1400	1900	↗	↗	↗	↗	↗	↗	↗	NUP2968	
980	1200	↗	↗	↗	↗	↗	↗	↗	NUP1068	
1300	1900	↗	↗	↗	↗	↗	↗	↗	NUP3068	
950	1600	↗	↗	↗	↗	↗	↗	↗	NUP3168	
1000	1500	↗	↗	↗	↗	↗	↗	↗	NUP2268	
1450	2200	↗	↗	↗	↗	↗	↗	↗	NUP1872	
1400	1800	↗	↗	↗	↗	↗	↗	↗	NUP1972	
1200	1700	↗	↗	↗	↗	↗	↗	↗	NUP2972	
920	1100	↗	↗	↗	↗	↗	↗	↗	NUP1072	
1100	1600	↗	↗	↗	↗	↗	↗	↗	NUP2072	
1200	1700	↗	↗	↗	↗	↗	↗	↗	NUP3072	
900	1500	↗	↗	↗	↗	↗	↗	↗	NUP3172	
950	1400	↗	↗	↗	↗	↗	↗	↗	NUP2272	
850	1300	↗	↗	↗	↗	↗	↗	↗	NUP2372	
1300	2000	↗	↗	↗	↗	↗	↗	↗	NUP1876	
1200	1800	↗	↗	↗	↗	↗	↗	↗	NUP3876	
860	1000	↗	↗	↗	↗	↗	↗	↗	NUP1076	
1000	1600	↗	↗	↗	↗	↗	↗	↗	NUP2076	
1100	1600	↗	↗	↗	↗	↗	↗	↗	NUP3076	
900	1400	↗	↗	↗	↗	↗	↗	↗	NUP2276	
1250	1800	↗	↗	↗	↗	↗	↗	↗	NUP1880	
1100	1600	↗	↗	↗	↗	↗	↗	↗	NUP3880	
1200	1600	↗	↗	↗	↗	↗	↗	↗	NUP1980	
780	920	↗	↗	↗	↗	↗	↗	↗	NUP1080	
950	1400	↗	↗	↗	↗	↗	↗	↗	NUP2080	
1000	1500	↗	↗	↗	↗	↗	↗	↗	NUP3080	
1200	1600	↗	↗	↗	↗	↗	↗	↗	NUP1884	
900	1100	↗	↗	↗	↗	↗	↗	↗	NUP3884	
1150	1500	↗	↗	↗	↗	↗	↗	↗	NUP1984	
1100	1500	↗	↗	↗	↗	↗	↗	↗	NUP2984	
730	860	↗	↗	↗	↗	↗	↗	↗	NUP1084	

* Other products also available



5. CYLINDRICAL ROLLER BEARINGS

5.5. Single-row cylindrical roller bearings - type - NUP



NUP..

420 – 560 mm

Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
420 cont.	NUP2084	0	2	420	620	118	469	131,6	2460	4750
	NUP3084	0	3	420	620	150	470	164,3	1380	4770
	NUP3184	1	3	420	700	224	485	400,1	4950	9000
440	NUP2888	8	2	440	540	60	464	35,8	809	1900
	NUP1988	9	0	440	600	74	482	67,4	1060	2000
	NUP2988	9	2	440	600	95	482	88,4	1720	3600
	NUP3988	9	3	440	600	118	482	110,6	1980	4250
	NUP1088	0	0	440	650	94	493	114,8	1490	2520
	NUP2088	0	2	440	650	122	487	152,7	2550	4900
	NUP3188	1	3	440	720	226	509	415,9	5120	9650
460	NUP2892	8	2	460	580	72	489	50,6	1080	2400
	NUP1992	9	0	460	620	74	500	64	1060	1990
	NUP2992	9	2	460	620	95	495	93,7	1720	3600
	NUP1092	0	0	460	680	100	516	133,7	1590	2730
	NUP2092	0	2	460	680	128	513	173,7	2810	5400
	NUP3092	0	3	460	680	163	519	216,9	2960	6150
	NUP3192	1	3	460	760	240	529,5	479,1	5280	9650
	NUP1292	2	0	460	830	165	554	437	4180	6800
	NUP2292	2	2	460	830	212	554	558	5120	8650
480	NUP1896	8	0	480	600	56	511	41,6	765	1630
	NUP2896	8	2	480	600	72	511	50	1100	2450
	NUP1996	9	0	480	650	78	525	76,5	1130	2200
	NUP2996	9	2	480	650	100	525	101,9	1600	3450
	NUP1096	0	0	480	700	100	536	141,1	1700	3100
	NUP2096	0	2	480	700	128	533	179	2860	5600
	NUP3096	0	3	480	700	165	539	227,5	3030	6410
	NUP3196	1	3	480	790	248	547	526,5	5940	10800
500	NUP18/500	8	0	500	620	56	534	39,3	705	1560
	NUP28/500	8	2	500	620	72	530	52,6	1170	2700
	NUP38/500	8	3	500	620	90	534	65	1210	3140
	NUP19/500	9	0	500	670	78	546	82,7	1480	3160
	NUP29/500	9	2	500	670	100	546	106,4	1940	4500
	NUP39/500	9	3	500	670	128	544	136,9	2330	5200
	NUP10/500	0	0	500	720	100	556	148,5	2270	4440
	NUP20/500	0	2	500	720	128	553	189,5	2920	5850
	NUP30/500	0	3	500	720	167	553	236,9	4020	8000
530	NUP31/500	1	3	500	830	264	576	626,5	6440	12000
	NUP12/500	2	0	500	920	185	603	616	5280	8500
	NUP28/530	8	2	530	650	72	560,5	54	1170	2750
	NUP19/530	9	0	530	710	82	575	92	1320	2560
	NUP29/530	9	2	530	710	106	577	124	2160	4850
	NUP10/530	0	0	530	780	112	589	200	2290	4050
560	NUP20/530	0	2	530	780	145	591	269	3740	7350
	NUP30/530 E	0	3	530	780	185	589	325	4740	10100
	NUP31/530	1	3	530	870	272	612	695	7480	14600
	NUP18/560	8	0	560	680	56	591	47	809	1830
	NUP19/560	9	0	560	750	85	613	111	1600	3260
560	NUP29/560	9	2	560	750	112	613	148	2040	4480
	NUP10/560	0	0	560	820	115	630	222	2890	5630
	NUP20/560	0	2	560	820	150	626	306	3800	7650

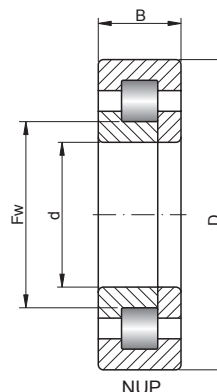
Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
900	1400	↗	↗	↗	↗	↗	↗	↗	NUP2084
900	1400	↗	↗	↗	↗	↗	↗	↗	NUP3084
750	1300	↗	↗	↗	↗	↗	↗	↗	NUP3184
1100	1500	↗	↗	↗	↗	↗	↗	↗	NUP2888
1100	1400	↗	↗	↗	↗	↗	↗	↗	NUP1988
1100	1400	↗	↗	↗	↗	↗	↗	↗	NUP2988
900	1100	↗	↗	↗	↗	↗	↗	↗	NUP3988
680	800	↗	↗	↗	↗	↗	↗	↗	NUP1088
8500	1300	↗	↗	↗	↗	↗	↗	↗	NUP2088
700	1200	↗	↗	↗	↗	↗	↗	↗	NUP3188
1100	1400	↗	↗	↗	↗	↗	↗	↗	NUP2892
1000	1350	↗	↗	↗	↗	↗	↗	↗	NUP1992
1000	1300	↗	↗	↗	↗	↗	↗	↗	NUP2992
630	750	↗	↗	↗	↗	↗	↗	↗	NUP1092
800	1200	↗	↗	↗	↗	↗	↗	↗	NUP2092
850	1300	↗	↗	↗	↗	↗	↗	↗	NUP3092
670	1100	↗	↗	↗	↗	↗	↗	↗	NUP3192
750	1100	↗	↗	↗	↗	↗	↗	↗	NUP1292
700	1100	↗	↗	↗	↗	↗	↗	↗	NUP2292
1000	1300	↗	↗	↗	↗	↗	↗	↗	NUP1896
1000	1300	↗	↗	↗	↗	↗	↗	↗	NUP2896
950	1300	↗	↗	↗	↗	↗	↗	↗	NUP1996
900	1200	↗	↗	↗	↗	↗	↗	↗	NUP2996
600	700	↗	↗	↗	↗	↗	↗	↗	NUP1096
750	1200	↗	↗	↗	↗	↗	↗	↗	NUP2096
800	1200	↗	↗	↗	↗	↗	↗	↗	NUP3096
630	1100	↗	↗	↗	↗	↗	↗	↗	NUP3196
900	1200	↗	↗	↗	↗	↗	↗	↗	NUP18/500
950	1300	↗	↗	↗	↗	↗	↗	↗	NUP28/500
800	1000	↗	↗	↗	↗	↗	↗	↗	NUP38/500
900	1250	↗	↗	↗	↗	↗	↗	↗	NUP19/500
860	1100	↗	↗	↗	↗	↗	↗	↗	NUP29/500
800	1200	↗	↗	↗	↗	↗	↗	↗	NUP39/500
570	650	↗	↗	↗	↗	↗	↗	↗	NUP10/500
750	1100	↗	↗	↗	↗	↗	↗	↗	NUP20/500
750	1100	↗	↗	↗	↗	↗	↗	↗	NUP30/500
600	1000	↗	↗	↗	↗	↗	↗	↗	NUP31/500
670	950	↗	↗	↗	↗	↗	↗	↗	NUP12/500
900	1200	↗	↗	↗	↗	↗	↗	↗	NUP28/530
870	1190	↗	↗	↗	↗	↗	↗	↗	NUP19/530
830	1050	↗	↗	↗	↗	↗	↗	↗	NUP29/530
800	1000	↗	↗	↗	↗	↗	↗	↗	NUP10/530
670	1000	↗	↗	↗	↗	↗	↗	↗	NUP20/530
700	1000	↗	↗	↗	↗	↗	↗	↗	NUP30/530 E
560	950	↗	↗	↗	↗	↗	↗	↗	NUP31/530
850	1100	↗	↗	↗	↗	↗	↗	↗	NUP18/560
830	1100	↗	↗	↗	↗	↗	↗	↗	NUP19/560
780	1000	↗	↗	↗	↗	↗	↗	↗	NUP29/560
540	600	↗	↗	↗	↗	↗	↗	↗	NUP10/560
630	1000	↗	↗	↗	↗	↗	↗	↗	NUP20/560

* Other products also available



5. CYLINDRICAL ROLLER BEARINGS

5.5. Single-row cylindrical roller bearings - type - NUP



560 – 1000 mm

Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
560 cont.	NUP31/560	1	3	560	920	280	648	785	7420	15100
	NUP12/560	2	0	560	1030	206	668	847	7210	11200
600	NUP18/600	8	0	600	730	60	632	53	897	2040
	NUP28/600	8	2	600	730	78	632	74	1320	3450
	NUP19/600	9	0	600	800	90	652	132	1980	4170
	NUP29/600	9	2	600	800	118	649	173	2920	6550
	NUP10/600	0	0	600	870	118	661	258	2750	5100
	NUP20/600	0	2	600	870	155	661	343	4180	8000
	NUP30/600	0	3	600	870	200	661	437	5390	11000
	NUP2/600	2	0	600	1090	155	749	748	5610	9800
630	NUP18/630	8	0	630	780	69	667	79	1100	2500
	NUP28/630	8	2	630	780	88	671	96	1510	3690
	NUP19/630	9	0	630	850	100	689	173	2450	5240
	NUP29/630	9	2	630	850	128	689	222	3100	7080
	NUP10/630	0	0	630	920	128	699	300	3410	6200
	NUP20/630	0	2	630	920	170	699	422	4730	9500
	NUP30/630	0	3	630	920	212	699	516	6440	14300
	NUP12/630	2	0	630	1150	230	751	1158	8580	13700
670	NUP18/670	8	0	670	820	69	708	81	1530	3750
	NUP19/670	9	0	670	900	103	728	205	2330	4750
	NUP10/670	0	0	670	980	136	747	368	3740	6800
	NUP20/670	0	2	670	980	180	747	506	5390	11000
	NUP30/670	0	3	670	980	230	747	632	6600	14000
710	NUP18/710	8	0	710	870	74	751	101	1750	4400
	NUP19/710	9	0	710	950	106	774	227	2910	6370
	NUP29/710	9	2	710	950	140	774	293	3650	8530
	NUP10/710	0	0	710	1030	140	778	437	4680	8500
	NUP20/710	0	2	710	1030	185	778	568	5940	12000
750	NUP18/750	8	0	750	920	78	794	121	1470	3450
	NUP10/750	0	0	750	1090	150	830	516	4730	8800
	NUP20/750	0	2	750	1090	195	830	669	7040	14600
800	NUP18/800	8	0	800	980	82	846	153	1720	4150
	NUP10/800	0	0	800	1150	155	890	574	5180	10900
	NUP20/800	0	2	800	1150	200	882	753	7040	14600
850	NUP28/850	8	2	850	1030	106	900	185	2120	5960
	NUP19/850	9	0	850	1120	118	917	326	3630	8190
900	NUP18/900	8	0	900	1090	85	949	179	1980	4900
	NUP28/900	8	2	900	1090	112	949	247	2700	7200
	NUP19/900	9	0	900	1180	122	969	400	4130	8800
	NUP29/900	9	2	900	1180	165	969	590	5830	14000
950	NUP38/950	8	3	950	1150	150	1002	328	4030	12100
	NUP29/950	9	2	950	1250	175	1024	785	5830	14000
1000	NUP18/1000	8	0	1000	1220	100	1053	279	2640	6550
	NUP28/1000	8	2	1000	1220	128	1053	363	3690	10000
	NUP29/1000	9	2	1000	1320	185	1082	737	7040	17300

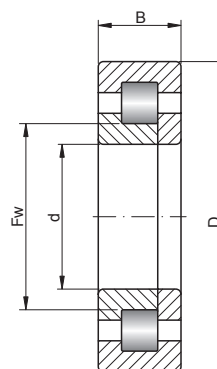
Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K		
540	900	↗	↗	↗	↗	↗	↗	↗	NUP31/560	
560	800	↗	↗	↗	↗	↗	↗	↗	NUP12/560	
800	1000	↗	↗	↗	↗	↗	↗	↗	NUP18/600	
750	1000	↗	↗	↗	↗	↗	↗	↗	NUP28/600	
800	1050	↗	↗	↗	↗	↗	↗	↗	NUP19/600	
750	950	↗	↗	↗	↗	↗	↗	↗	NUP29/600	
700	900	↗	↗	↗	↗	↗	↗	↗	NUP10/600	
600	900	↗	↗	↗	↗	↗	↗	↗	NUP20/600	
600	900	↗	↗	↗	↗	↗	↗	↗	NUP30/600	
480	850	↗	↗	↗	↗	↗	↗	↗	NUP2/600	
800	1000	↗	↗	↗	↗	↗	↗	↗	NUP18/630	
650	850	↗	↗	↗	↗	↗	↗	↗	NUP28/630	
700	950	↗	↗	↗	↗	↗	↗	↗	NUP19/630	
680	850	↗	↗	↗	↗	↗	↗	↗	NUP29/630	
630	850	↗	↗	↗	↗	↗	↗	↗	NUP10/630	
560	850	↗	↗	↗	↗	↗	↗	↗	NUP20/630	
530	850	↗	↗	↗	↗	↗	↗	↗	NUP30/630	
450	700	↗	↗	↗	↗	↗	↗	↗	NUP12/630	
750	950	↗	↗	↗	↗	↗	↗	↗	NUP18/670	
630	850	↗	↗	↗	↗	↗	↗	↗	NUP19/670	
600	800	↗	↗	↗	↗	↗	↗	↗	NUP10/670	
500	800	↗	↗	↗	↗	↗	↗	↗	NUP20/670	
500	800	↗	↗	↗	↗	↗	↗	↗	NUP30/670	
700	900	↗	↗	↗	↗	↗	↗	↗	NUP18/710	
570	760	↗	↗	↗	↗	↗	↗	↗	NUP19/710	
600	800	↗	↗	↗	↗	↗	↗	↗	NUP29/710	
560	750	↗	↗	↗	↗	↗	↗	↗	NUP10/710	
480	700	↗	↗	↗	↗	↗	↗	↗	NUP20/710	
600	800	↗	↗	↗	↗	↗	↗	↗	NUP18/750	
430	670	↗	↗	↗	↗	↗	↗	↗	NUP10/750	
430	670	↗	↗	↗	↗	↗	↗	↗	NUP20/750	
530	700	↗	↗	↗	↗	↗	↗	↗	NUP18/800	
510	550	↗	↗	↗	↗	↗	↗	↗	NUP10/800	
400	630	↗	↗	↗	↗	↗	↗	↗	NUP20/800	
500	700	↗	↗	↗	↗	↗	↗	↗	NUP28/850	
500	650	↗	↗	↗	↗	↗	↗	↗	NUP19/850	
450	600	↗	↗	↗	↗	↗	↗	↗	NUP18/900	
450	600	↗	↗	↗	↗	↗	↗	↗	NUP28/900	
430	560	↗	↗	↗	↗	↗	↗	↗	NUP19/900	
430	560	↗	↗	↗	↗	↗	↗	↗	NUP29/900	
400	600	↗	↗	↗	↗	↗	↗	↗	NUP38/950	
400	530	↗	↗	↗	↗	↗	↗	↗	NUP29/950	
400	530	↗	↗	↗	↗	↗	↗	↗	NUP18/1000	
400	530	↗	↗	↗	↗	↗	↗	↗	NUP28/1000	
360	480	↗	↗	↗	↗	↗	↗	↗	NUP29/1000	

* Other products also available



5. CYLINDRICAL ROLLER BEARINGS

5.5. Single-row cylindrical roller bearings - type - NUP



NUP..

1060– 1700 mm

Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fw		dyn. C	stat. C ₀
1060	NUP29/1060	9	2	1060	1400	195	1146	916	7210	17300
	NUP39/1060	9	3	1060	1400	250	1146	1127	9130	24000
1120	NUP18/1120	8	0	1120	1360	106	1182	353	3410	8650
	NUP30/1120	0	3	1120	1580	345	1231	2264	15700	39000
1180	NUP18/1180	8	0	1180	1420	106	1242	368	3030	7800
	NUP29/1180	9	2	1180	1540	206	1258	1148	8970	21600
1320	NUP18/1320	8	0	1320	1600	122	1395	558	3800	10000
	NUP29/1320	9	2	1320	1720	230	1420	1579	11400	30500
1600	NUP18/1600	8	0	1600	1950	155	1694	1038	7060	20100
1700	NUP18/1700	8	0	1700	2060	160	1784	1211	7210	19300

warehouse - order - phone

Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K		
280	340	↻	↻	↻	↻	↻	↻	↻	NUP29/1060	
260	320	↻	↻	↻	↻	↻	↻	↻	NUP39/1060	
280	340	↻	↻	↻	↻	↻	↻	↻	NUP18/1120	
190	240	↻	↻	↻	↻	↻	↻	↻	NUP30/1120	
260	320	↻	↻	↻	↻	↻	↻	↻	NUP18/1180	
190	240	↻	↻	↻	↻	↻	↻	↻	NUP29/1180	
260	340	↻	↻	↻	↻	↻	↻	↻	NUP18/1320	
240	320	↻	↻	↻	↻	↻	↻	↻	NUP29/1320	
200	240	↻	↻	↻	↻	↻	↻	↻	NUP18/1600	
160	200	↻	↻	↻	↻	↻	↻	↻	NUP18/1700	

* Other products also available

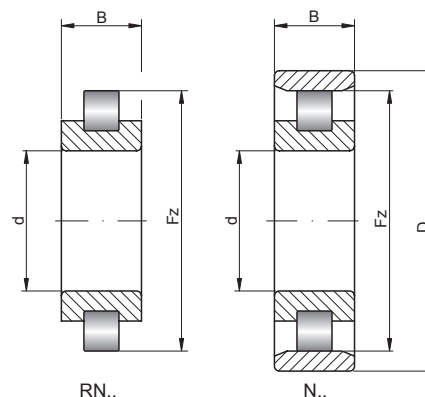


5. CYLINDRICAL ROLLER BEARINGS

5.6. Single-row cylindrical roller bearings - types - N, NF, NP

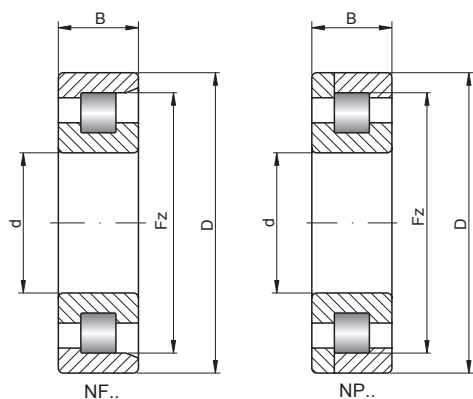


15 – 45 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
15	N202 E	2	0	15	35	11	30,3	0,047	13,5	11,6
	NF202 E	2	0	15	35	11	30,3	0,051	13,5	11,6
	NP202 E	2	0	15	35	11	30,3	0,053	13,5	11,6
17	N203 E	2	0	17	40	12	35,1	0,067	14,8	12,1
	NF203 E	2	0	17	40	12	35,1	0,072	14,8	12,1
	NP203 E	2	0	17	40	12	35,1	0,075	14,8	12,1
20	N204 E	2	0	20	47	14	41,5	0,108	15,4	12,7
	NF204 E	2	0	20	47	14	41,5	0,117	15,4	12,7
	NP204 E	2	0	20	47	14	41,5	0,122	15,4	12,7
	N304 E	3	0	20	52	15	45,5	0,147	23,1	19,2
	NF304 E	3	0	20	52	15	45,5	0,158	23,1	19,2
	NP304 E	3	0	20	52	15	45,5	0,165	23,1	19,2
25	N205 E	2	0	25	52	15	46,5	0,132	17,7	15,7
	NF205 E	2	0	25	52	15	46,5	0,142	17,7	15,7
	NP205 E	2	0	25	52	15	46,5	0,148	17,7	15,7
	N305 E	3	0	25	62	17	54	0,241	29,3	25,2
	NF305 E	3	0	25	62	17	54	0,26	29,3	25,2
	NP305 E	3	0	25	62	17	54	0,271	29,3	25,2
30	N206 E	2	0	30	62	16	55,5	0,2	23,5	21,5
	NF206 E	2	0	30	62	16	55,5	0,216	23,5	21,5
	NP206 E	2	0	30	62	16	55,5	0,225	23,5	21,5
	N306 E	3	0	30	72	19	62,5	0,358	38,6	35,2
	NF306 E	3	0	30	72	19	62,5	0,387	38,6	35,2
	NP306 E	3	0	30	72	19	62,5	0,403	38,6	35,2
	N406	4	0	30	90	23	73	0,753	62,8	55
	NF406	4	0	30	90	23	73	0,812	62,8	55
	NP406	4	0	30	90	23	73	0,846	62,8	55
35	N207 E	2	0	35	72	17	64	0,293	33,6	31,5
	NF207 E	2	0	35	72	17	64	0,317	33,6	31,5
	NP207 E	2	0	35	72	17	64	0,33	33,6	31,5
	N307 E	3	0	35	80	21	70,2	0,477	49,6	46,9
	NF307 E	3	0	35	80	21	70,2	0,515	49,6	46,9
	NP307 E	3	0	35	80	21	70,2	0,536	49,6	46,9
	N407	4	0	35	100	25	83	1,02	75,2	68,9
	NF407	4	0	35	100	25	83	1,1	75,2	68,9
	NP407	4	0	35	100	25	83	1,146	75,2	68,9
40	N208 E	2	0	40	80	18	71,5	0,366	43,8	42,9
	NF208 E	2	0	40	80	18	71,5	0,395	43,8	42,9
	NP208 E	2	0	40	80	18	71,5	0,411	43,8	42,9
	N308 E	3	0	40	90	23	80	0,657	58,6	56,9
	NF308 E	3	0	40	90	23	80	0,709	58,6	56,9
	NP308 E	3	0	40	90	23	80	0,739	58,6	56,9
	N408	4	0	40	110	27	92	1,3	97,1	89,1
	NF408	4	0	40	110	27	92	1,403	97,1	89,1
	NP408	4	0	40	110	27	92	1,461	97,1	89,1
45	N209 E	2	0	45	85	19	76,5	0,427	46,1	46,9
	NF209 E	2	0	45	85	19	76,5	0,461	46,1	46,9
	NP209 E	2	0	45	85	19	76,5	0,48	46,1	46,9
	N309 E	3	0	45	100	25	88,5	0,87	78,8	77,5

warehouse
 order
 phone



Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
20000	23000	☞	☞	☞	☞	☞	☞	☞	N202 E
20000	23000	☞	☞	☞	☞	☞	☞	☞	NF202 E
20000	23000	☞	☞	☞	☞	☞	☞	☞	NP202 E
18000	21000	☞	☞	☞	☞	☞	☞	☞	N203 E
18000	21000	☞	☞	☞	☞	☞	☞	☞	NF203 E
18000	21000	☞	☞	☞	☞	☞	☞	☞	NP203 E
15000	18000	☞	☞	☞	☞	☞	☞	☞	N204 E
15000	18000	☞	☞	☞	☞	☞	☞	☞	NF204 E
15000	18000	☞	☞	☞	☞	☞	☞	☞	NP204 E
12000	16000	☞	☞	☞	☞	☞	☞	☞	N304 E
12000	16000	☞	☞	☞	☞	☞	☞	☞	NF304 E
12000	16000	☞	☞	☞	☞	☞	☞	☞	NP304 E
13000	16000	☞	☞	☞	☞	☞	☞	☞	N205 E
13000	16000	☞	☞	☞	☞	☞	☞	☞	NF205 E
13000	16000	☞	☞	☞	☞	☞	☞	☞	NP205 E
10000	14000	☞	☞	☞	☞	☞	☞	☞	N305 E
10000	14000	☞	☞	☞	☞	☞	☞	☞	NF305 E
10000	14000	☞	☞	☞	☞	☞	☞	☞	NP305 E
11000	13000	☞	☞	☞	☞	☞	☞	☞	N206 E
11000	13000	☞	☞	☞	☞	☞	☞	☞	NF206 E
11000	13000	☞	☞	☞	☞	☞	☞	☞	NP206 E
8700	12000	☞	☞	☞	☞	☞	☞	☞	N306 E
8700	12000	☞	☞	☞	☞	☞	☞	☞	NF306 E
8700	12000	☞	☞	☞	☞	☞	☞	☞	NP306 E
7600	10000	☞	☞	☞	☞	☞	☞	☞	N406
7600	10000	☞	☞	☞	☞	☞	☞	☞	NF406
7600	10000	☞	☞	☞	☞	☞	☞	☞	NP406
9500	11000	☞	☞	☞	☞	☞	☞	☞	N207 E
9500	11000	☞	☞	☞	☞	☞	☞	☞	NF207 E
9500	11000	☞	☞	☞	☞	☞	☞	☞	NP207 E
7900	10000	☞	☞	☞	☞	☞	☞	☞	N307 E
7900	10000	☞	☞	☞	☞	☞	☞	☞	NF307 E
7900	10000	☞	☞	☞	☞	☞	☞	☞	NP307 E
6600	8800	☞	☞	☞	☞	☞	☞	☞	N407
6600	8800	☞	☞	☞	☞	☞	☞	☞	NF407
6600	8800	☞	☞	☞	☞	☞	☞	☞	NP407
8300	10000	☞	☞	☞	☞	☞	☞	☞	N208 E
8300	10000	☞	☞	☞	☞	☞	☞	☞	NF208 E
8300	10000	☞	☞	☞	☞	☞	☞	☞	NP208 E
6900	9100	☞	☞	☞	☞	☞	☞	☞	N308 E
6900	9100	☞	☞	☞	☞	☞	☞	☞	NF308 E
6900	9100	☞	☞	☞	☞	☞	☞	☞	NP308 E
6000	8000	☞	☞	☞	☞	☞	☞	☞	N408
6000	8000	☞	☞	☞	☞	☞	☞	☞	NF408
6000	8000	☞	☞	☞	☞	☞	☞	☞	NP408
7700	9200	☞	☞	☞	☞	☞	☞	☞	N209 E
7700	9200	☞	☞	☞	☞	☞	☞	☞	NF209 E
7700	9200	☞	☞	☞	☞	☞	☞	☞	NP209 E
6200	8300	☞	☞	☞	☞	☞	☞	☞	N309 E

* Other products also available

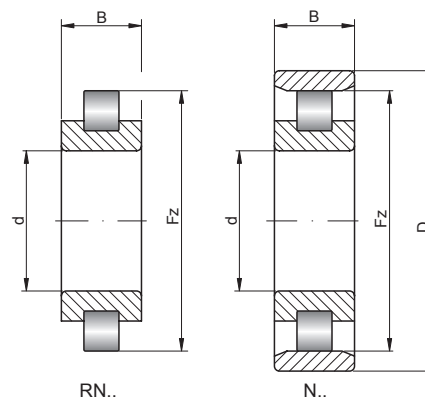


5. CYLINDRICAL ROLLER BEARINGS

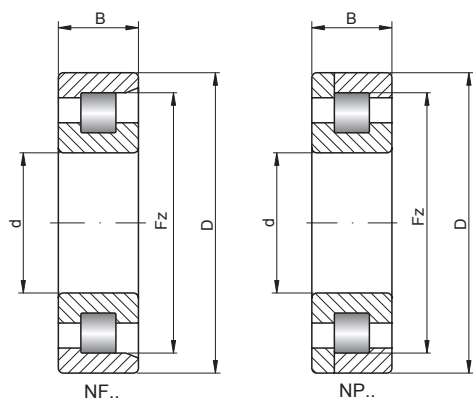
5.6. Single-row cylindrical roller bearings - types - N, NF, NP



45 – 70 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
45 cont.	NF309 E	3	0	45	100	25	88,5	0,938	78,8	77,5
	NP309 E	3	0	45	100	25	88,5	0,977	78,8	77,5
	N409	4	0	45	120	29	100,5	1,64	115	112
	NF409	4	0	45	120	29	100,5	1,769	115	112
	NP409	4	0	45	120	29	100,5	1,843	115	112
50	N210 E	2	0	50	90	20	81,5	0,479	48,2	51
	NF210 E	2	0	50	90	20	81,5	0,517	48,2	51
	NP210 E	2	0	50	90	20	81,5	0,539	48,2	51
	N310 E	3	0	50	110	27	97	1,15	92,2	93,4
	NF310 E	3	0	50	110	27	97	1,241	92,2	93,4
	NP310 E	3	0	50	110	27	97	1,293	92,2	93,4
	N410	4	0	50	130	31	110,8	2,01	139	136
	NF410	4	0	50	130	31	110,8	2,169	139	136
	NP410	4	0	50	130	31	110,8	2,259	139	136
55	N211 E	2	0	55	100	21	90	0,64	58	62,3
	NF211 E	2	0	55	100	21	90	0,69	58	62,3
	NP211 E	2	0	55	100	21	90	0,719	58	62,3
	N311 E	3	0	55	120	29	106,5	1,44	111	111
	NF311 E	3	0	55	120	29	106,5	1,553	111	111
	NP311 E	3	0	55	120	29	106,5	1,618	111	111
	N411	4	0	55	140	33	117,2	2,51	142	138
	NF411	4	0	55	140	33	117,2	2,707	142	138
	NP411	4	0	55	140	33	117,2	2,82	142	138
60	N212 E	2	0	60	110	22	100	0,823	71,9	79,9
	NF212 E	2	0	60	110	22	100	0,888	71,9	79,9
	NP212 E	2	0	60	110	22	100	0,925	71,9	79,9
	N312 E	3	0	60	130	31	115	1,83	124	126
	NF312 E	3	0	60	130	31	115	1,974	124	126
	NP312 E	3	0	60	130	31	115	2,056	124	126
	N412	4	0	60	150	35	127	3,02	178	184
	NF412	4	0	60	150	35	127	3,258	178	184
	NP412	4	0	60	150	35	127	3,394	178	184
65	N213 E	2	0	65	120	23	108,5	1,05	83,8	94,4
	NF213 E	2	0	65	120	23	108,5	1,132	83,8	94,4
	NP213 E	2	0	65	120	23	108,5	1,179	83,8	94,4
	N313 E	3	0	65	140	33	124,5	2,24	137	139
	NF313 E	3	0	65	140	33	124,5	2,416	137	139
	NP313 E	3	0	65	140	33	124,5	2,517	137	139
	N413	4	0	65	160	37	135,3	3,58	198	203
	NF413	4	0	65	160	37	135,3	3,861	198	203
	NP413	4	0	65	160	37	135,3	4,022	198	203
70	N214 E	2	0	70	125	24	113,5	1,15	83,3	95,2
	NF214 E	2	0	70	125	24	113,5	1,241	83,3	95,2
	NP214 E	2	0	70	125	24	113,5	1,293	83,3	95,2
	N314 E	3	0	70	150	35	133	2,73	162	168
	NF314 E	3	0	70	150	35	133	2,944	162	168
	NP314 E	3	0	70	150	35	133	3,067	162	168
	N414	4	0	70	180	42	152	5,26	246	257
	NF414	4	0	70	180	42	152	5,674	246	257
	NP414	4	0	70	180	42	152	5,91	246	257



Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
6200	8300	↗	↗	↗	↗	↗	↗	↗	NF309 E
6200	8300	↗	↗	↗	↗	↗	↗	↗	NP309 E
5400	7200	⊕	↗	↗	↗	↗	↗	↗	N409
5400	7200	↗	↗	↗	↗	↗	↗	↗	NF409
5400	7200	↗	↗	↗	↗	↗	↗	↗	NP409
7100	8500	⊕	↗	↗	↗	⊕	⊕	↗	N210 E
7100	8500	↗	↗	↗	↗	↗	↗	↗	NF210 E
7100	8500	↗	↗	↗	↗	↗	↗	↗	NP210 E
5600	7500	⊕	⊕	↗	↗	⊕	⊕	↗	N310 E
5600	7500	↗	↗	↗	↗	↗	↗	↗	NF310 E
5600	7500	↗	↗	↗	↗	↗	↗	↗	NP310 E
4900	6600	⊕	↗	↗	↗	↗	↗	↗	N410
4900	6600	↗	↗	↗	↗	↗	↗	↗	NF410
4900	6600	↗	↗	↗	↗	↗	↗	↗	NP410
6400	7700	⊕	↗	↗	↗	⊕	⊕	↗	N211 E
6400	7700	↗	↗	↗	↗	↗	↗	↗	NF211 E
6400	7700	↗	↗	↗	↗	↗	↗	↗	NP211 E
5100	6800	⊕	⊕	↗	↗	⊕	⊕	↗	N311 E
5100	6800	↗	↗	↗	↗	↗	↗	↗	NF311 E
5100	6800	↗	↗	↗	↗	↗	↗	↗	NP311 E
4600	6100	↗	↗	↗	↗	↗	↗	↗	N411
4600	6100	↗	↗	↗	↗	↗	↗	↗	NF411
4600	6100	↗	↗	↗	↗	↗	↗	↗	NP411
5800	7000	⊕	⊕	↗	↗	⊕	⊕	↗	N212 E
5800	7000	↗	↗	↗	↗	↗	↗	↗	NF212 E
5800	7000	↗	↗	↗	↗	↗	↗	↗	NP212 E
4700	6300	⊕	⊕	↗	↗	⊕	⊕	↗	N312 E
4700	6300	↗	↗	↗	↗	↗	↗	↗	NF312 E
4700	6300	↗	↗	↗	↗	↗	↗	↗	NP312 E
4200	5700	↗	↗	↗	↗	↗	↗	↗	N412
4200	5700	↗	↗	↗	↗	↗	↗	↗	NF412
4200	5700	↗	↗	↗	↗	↗	↗	↗	NP412
5400	6400	⊕	⊕	↗	↗	⊕	⊕	↗	N213 E
5400	6400	↗	↗	↗	↗	↗	↗	↗	NF213 E
5400	6400	↗	↗	↗	↗	↗	↗	↗	NP213 E
4300	5800	⊕	⊕	↗	↗	⊕	⊕	↗	N313 E
4300	5800	↗	↗	↗	↗	↗	↗	↗	NF313 E
4300	5800	↗	↗	↗	↗	↗	↗	↗	NP313 E
4000	5300	↗	↗	↗	↗	↗	↗	↗	N413
4000	5300	↗	↗	↗	↗	↗	↗	↗	NF413
4000	5300	↗	↗	↗	↗	↗	↗	↗	NP413
5100	6100	⊕	⊕	↗	↗	⊕	⊕	↗	N214 E
5100	6100	↗	↗	↗	↗	↗	↗	↗	NF214 E
5100	6100	↗	↗	↗	↗	↗	↗	↗	NP214 E
4000	5400	⊕	⊕	↗	↗	⊕	⊕	↗	N314 E
4000	5400	↗	↗	↗	↗	↗	↗	↗	NF314 E
4000	5400	↗	↗	↗	↗	↗	↗	↗	NP314 E
3500	4700	↗	↗	↗	↗	↗	↗	↗	N414
3500	4700	↗	↗	↗	↗	↗	↗	↗	NF414
3500	4700	↗	↗	↗	↗	↗	↗	↗	NP414

* Other products also available

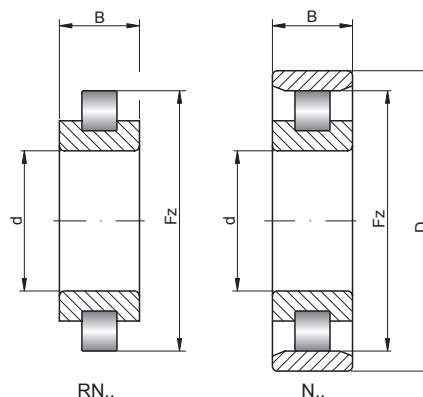


5. CYLINDRICAL ROLLER BEARINGS

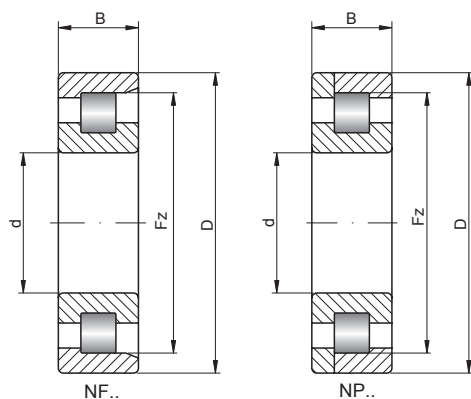
5.6. Single-row cylindrical roller bearings - types - N, NF, NP



75 – 100 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
75	N215 E	2	0	75	130	25	118,5	1,24	101	118
	NF215 E	2	0	75	130	25	118,5	1,338	101	118
	NP215 E	2	0	75	130	25	118,5	1,394	101	118
	N315 E	3	0	75	160	37	143	3,24	194	205
	NF315 E	3	0	75	160	37	143	3,495	194	205
	NP315 E	3	0	75	160	37	143	3,641	194	205
	N415	4	0	75	190	45	160,5	6,25	265	274
	NF415	4	0	75	190	45	160,5	6,742	265	274
	NP415	4	0	75	190	45	160,5	7,023	265	274
80	N216 E	2	0	80	140	26	127,3	1,51	106	122
	NF216 E	2	0	80	140	26	127,3	1,628	106	122
	NP216 E	2	0	80	140	26	127,3	1,696	106	122
	N316 E	3	0	80	170	39	151	3,92	194	207
	NF316 E	3	0	80	170	39	151	4,23	194	207
	NP316 E	3	0	80	170	39	151	4,404	194	207
	N416	4	0	80	200	48	170	7,28	302	315
	NF416	4	0	80	200	48	170	7,85	302	315
	NP416	4	0	80	200	48	170	8,18	302	315
85	N217 E	2	0	85	150	28	136,5	1,9	121	140
	NF217 E	2	0	85	150	28	136,5	2,05	121	140
	NP217 E	2	0	85	150	28	136,5	2,135	121	140
	N317 E	3	0	85	180	41	160	4,52	225	247
	NF317 E	3	0	85	180	41	160	4,88	225	247
	NP317 E	3	0	85	180	41	160	5,079	225	247
	N417	4	0	85	210	52	177	8,68	340	350
	NF417	4	0	85	210	52	177	9,36	340	350
	NP417	4	0	85	210	52	177	9,753	340	350
90	N218 E	2	0	90	160	30	145	2,28	152	178
	NF218 E	2	0	90	160	30	145	2,46	152	178
	NP218 E	2	0	90	160	30	145	2,56	152	178
	N318 E	3	0	90	190	43	169,5	5,38	243	265
	NF318 E	3	0	90	190	43	169,5	5,81	243	265
	NP318 E	3	0	90	190	43	169,5	6,05	243	265
	N418	4	0	90	225	54	191,5	10,3	374	400
	NF418	4	0	90	225	54	191,5	11,11	374	400
	NP418	4	0	90	225	54	191,5	11,57	374	400
95	N219 E	2	0	95	170	32	154,5	2,8	165	195
	NF219 E	2	0	95	170	32	154,5	3,02	165	195
	NP219 E	2	0	95	170	32	154,5	3,15	165	195
	N319 E	3	0	95	200	45	177,5	6,2	277	311
	NF319 E	3	0	95	200	45	177,5	6,69	277	311
	NP319 E	3	0	95	200	45	177,5	6,97	277	311
	N419	4	0	95	240	55	201,5	13,6	410	444
	NF419	4	0	95	240	55	201,5	14,67	410	444
	NP419	4	0	95	240	55	201,5	15,28	410	444
100	N1920	9	0	100	140	20	130	0,912	67,7	94,4
	NF1920	9	0	100	140	20	130	0,98	67,7	94,4
	NP1920	9	0	100	140	20	130	1,02	67,7	94,4
	N220 E	2	0	100	180	34	163	3,38	183	217
	NF220 E	2	0	100	180	34	163	3,65	183	217
	NP220 E	2	0	100	180	34	163	3,8	183	217



Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
4800	5800	☞	☞	☞	☞	☞	☞	☞	N215 E
4800	5800	☞	☞	☞	☞	☞	☞	☞	NF215 E
4800	5800	☞	☞	☞	☞	☞	☞	☞	NP215 E
3800	5000	☞	☞	☞	☞	☞	☞	☞	N315 E
3800	5000	☞	☞	☞	☞	☞	☞	☞	NF315 E
3800	5000	☞	☞	☞	☞	☞	☞	☞	NP315 E
3300	4400	☞	☞	☞	☞	☞	☞	☞	N415
3300	4400	☞	☞	☞	☞	☞	☞	☞	NF415
3300	4400	☞	☞	☞	☞	☞	☞	☞	NP415
4500	5400	☞	☞	☞	☞	☞	☞	☞	N216 E
4500	5400	☞	☞	☞	☞	☞	☞	☞	NF216 E
4500	5400	☞	☞	☞	☞	☞	☞	☞	NP216 E
3500	4700	☞	☞	☞	☞	☞	☞	☞	N316 E
3500	4700	☞	☞	☞	☞	☞	☞	☞	NF316 E
3500	4700	☞	☞	☞	☞	☞	☞	☞	NP316 E
3100	4200	☞	☞	☞	☞	☞	☞	☞	N416
3100	4200	☞	☞	☞	☞	☞	☞	☞	NF416
3100	4200	☞	☞	☞	☞	☞	☞	☞	NP416
4200	5000	☞	☞	☞	☞	☞	☞	☞	N217 E
4200	5000	☞	☞	☞	☞	☞	☞	☞	NF217 E
4200	5000	☞	☞	☞	☞	☞	☞	☞	NP217 E
3300	4500	☞	☞	☞	☞	☞	☞	☞	N317 E
3300	4500	☞	☞	☞	☞	☞	☞	☞	NF317 E
3300	4500	☞	☞	☞	☞	☞	☞	☞	NP317 E
3000	4000	☞	☞	☞	☞	☞	☞	☞	N417
3000	4000	☞	☞	☞	☞	☞	☞	☞	NF417
3000	4000	☞	☞	☞	☞	☞	☞	☞	NP417
3900	4700	☞	☞	☞	☞	☞	☞	☞	N218 E
3900	4700	☞	☞	☞	☞	☞	☞	☞	NF218 E
3900	4700	☞	☞	☞	☞	☞	☞	☞	NP218 E
3100	4200	☞	☞	☞	☞	☞	☞	☞	N318 E
3100	4200	☞	☞	☞	☞	☞	☞	☞	NF318 E
3100	4200	☞	☞	☞	☞	☞	☞	☞	NP318 E
2800	3700	☞	☞	☞	☞	☞	☞	☞	N418
2800	3700	☞	☞	☞	☞	☞	☞	☞	NF418
2800	3700	☞	☞	☞	☞	☞	☞	☞	NP418
3700	4400	☞	☞	☞	☞	☞	☞	☞	N219 E
3700	4400	☞	☞	☞	☞	☞	☞	☞	NF219 E
3700	4400	☞	☞	☞	☞	☞	☞	☞	NP219 E
3000	4000	☞	☞	☞	☞	☞	☞	☞	N319 E
3000	4000	☞	☞	☞	☞	☞	☞	☞	NF319 E
3000	4000	☞	☞	☞	☞	☞	☞	☞	NP319 E
2600	3400	☞	☞	☞	☞	☞	☞	☞	N419
2600	3400	☞	☞	☞	☞	☞	☞	☞	NF419
2600	3400	☞	☞	☞	☞	☞	☞	☞	NP419
5100	6000	☞	☞	☞	☞	☞	☞	☞	N1920
5100	6000	☞	☞	☞	☞	☞	☞	☞	NF1920
5100	6000	☞	☞	☞	☞	☞	☞	☞	NP1920
3500	4200	☞	☞	☞	☞	☞	☞	☞	N220 E
3500	4200	☞	☞	☞	☞	☞	☞	☞	NF220 E
3500	4200	☞	☞	☞	☞	☞	☞	☞	NP220 E

* Other products also available

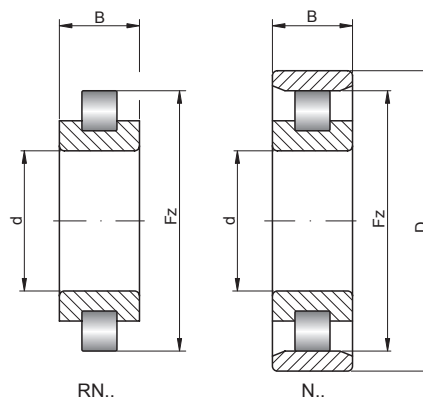


5. CYLINDRICAL ROLLER BEARINGS

5.6. Single-row cylindrical roller bearings - types - N, NF, NP

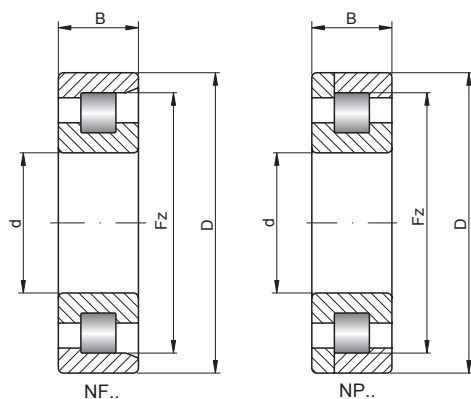


100 – 120 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
100 cont.	N2220 E	2	2	100	180	46	163	4,82	334	444
	NF2220 E	2	2	100	180	46	163	5,2	334	444
	NP2220 E	2	2	100	180	46	163	5,42	334	444
	N3220	2	3	100	180	60,3	160	6,62	327	459
	NF3220	2	3	100	180	60,3	160	7,14	327	459
	NP3220	2	3	100	180	60,3	160	7,44	327	459
	N320 E	3	0	100	215	47	191,5	7,7	323	337
	NF320 E	3	0	100	215	47	191,5	8,3	323	337
	NP320 E	3	0	100	215	47	191,5	8,65	323	337
	N2320 E	3	2	100	215	73	191,5	12,1	570	717
	NF2320 E	3	2	100	215	73	191,5	13,06	570	717
	NP2320 E	3	2	100	215	73	191,5	13,6	570	717
	N3320	3	3	100	215	82,6	185,5	15	530	706
	NF3320	3	3	100	215	82,6	185,5	16,18	530	706
	NP3320	3	3	100	215	82,6	185,5	16,85	530	706
	N420	4	0	100	250	58	211	14	458	498
	NF420	4	0	100	250	58	211	15,1	458	498
	NP420	4	0	100	250	58	211	15,73	458	498
105	N1921	9	0	105	145	20	135	0,951	71	102
	NF1921	9	0	105	145	20	135	1,03	71	102
	NP1921	9	0	105	145	20	135	1,07	71	102
	N221 E	2	0	105	190	36	171,5	4	201	241
	NF221 E	2	0	105	190	36	171,5	4,31	201	241
	NP221 E	2	0	105	190	36	171,5	4,49	201	241
	N3221	2	3	105	190	65,1	168,8	8	344	482
	NF3221	2	3	105	190	65,1	168,8	8,63	344	482
	NP3221	2	3	105	190	65,1	168,8	8,99	344	482
	N321 E	3	0	105	225	49	195	8,76	366	417
	NF321 E	3	0	105	225	49	195	9,46	366	417
	NP321 E	3	0	105	225	49	195	9,85	366	417
	N2321	3	2	105	225	77	195	15,6	568	750
	NF2321	3	2	105	225	77	195	16,83	568	750
	NP2321	3	2	105	225	77	195	17,53	568	750
	N421	4	0	105	260	60	220,5	19,1	471	510
	NF421	4	0	105	260	60	220,5	20,61	471	510
	NP421	4	0	105	260	60	220,5	21,47	471	510
110	N222 E	2	0	110	200	38	180,5	4,65	241	290
	NF222 E	2	0	110	200	38	180,5	5,01	241	290
	NP222 E	2	0	110	200	38	180,5	5,22	241	290
	N2222 E	2	2	110	200	53	180,5	6,93	384	517
	NF2222 E	2	2	110	200	53	180,5	7,48	384	517
	NP2222 E	2	2	110	200	53	180,5	7,79	384	517
	N3222	2	3	110	200	69,8	178,5	9,55	427	607
	NF3222	2	3	110	200	69,8	178,5	10,3	427	607
	NP3222	2	3	110	200	69,8	178,5	10,73	427	607
	N322 E	3	0	110	240	50	211	10,4	411	467
	NF322 E	3	0	110	240	50	211	11,22	411	467
	NP322 E	3	0	110	240	50	211	11,69	411	467
	N422	4	0	110	280	65	235	19,9	550	621
	NF422	4	0	110	280	65	235	21,47	550	621
	NP422	4	0	110	280	65	235	22,36	550	621
120	N2322 E	3	2	120	165	80	211	18,8	680	880
	NF2322 E	3	2	120	165	80	211	20,28	680	880

warehouse - order - phone



Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
3100	4200	↗	↗	↗	↗	↗	↗	↗	N2220 E
3100	4200	↗	↗	↗	↗	↗	↗	↗	NF2220 E
3100	4200	↗	↗	↗	↗	↗	↗	↗	NP2220 E
2800	4200	↗	↗	↗	↗	↗	↗	↗	N3220
2800	4200	↗	↗	↗	↗	↗	↗	↗	NF3220
2800	4200	↗	↗	↗	↗	↗	↗	↗	NP3220
2800	3700	↗	↗	↗	↗	↗	↗	↗	N320 E
2800	3700	↗	↗	↗	↗	↗	↗	↗	NF320 E
2800	3700	↗	↗	↗	↗	↗	↗	↗	NP320 E
2400	3600	↗	↗	↗	↗	↗	↗	↗	N2320 E
2400	3600	↗	↗	↗	↗	↗	↗	↗	NF2320 E
2400	3600	↗	↗	↗	↗	↗	↗	↗	NP2320 E
2500	3700	↗	↗	↗	↗	↗	↗	↗	N3320
2500	3700	↗	↗	↗	↗	↗	↗	↗	NF3320
2500	3700	↗	↗	↗	↗	↗	↗	↗	NP3320
2500	3300	↗	↗	↗	↗	↗	↗	↗	N420
2500	3300	↗	↗	↗	↗	↗	↗	↗	NF420
2500	3300	↗	↗	↗	↗	↗	↗	↗	NP420
4700	5600	↗	↗	↗	↗	↗	↗	↗	N1921
4700	5600	↗	↗	↗	↗	↗	↗	↗	NF1921
4700	5600	↗	↗	↗	↗	↗	↗	↗	NP1921
3300	3900	↗	↗	↗	↗	↗	↗	↗	N221 E
3300	3900	↗	↗	↗	↗	↗	↗	↗	NF221 E
3300	3900	↗	↗	↗	↗	↗	↗	↗	NP221 E
2600	3900	↗	↗	↗	↗	↗	↗	↗	N3221
2600	3900	↗	↗	↗	↗	↗	↗	↗	NF3221
2600	3900	↗	↗	↗	↗	↗	↗	↗	NP3221
2600	3500	↗	↗	↗	↗	↗	↗	↗	N321 E
2600	3500	↗	↗	↗	↗	↗	↗	↗	NF321 E
2600	3500	↗	↗	↗	↗	↗	↗	↗	NP321 E
2200	3200	↗	↗	↗	↗	↗	↗	↗	N2321
2200	3200	↗	↗	↗	↗	↗	↗	↗	NF2321
2200	3200	↗	↗	↗	↗	↗	↗	↗	NP2321
2400	3100	↗	↗	↗	↗	↗	↗	↗	N421
2400	3100	↗	↗	↗	↗	↗	↗	↗	NF421
2400	3100	↗	↗	↗	↗	↗	↗	↗	NP421
3100	3700	↗	↗	↗	↗	↗	↗	↗	N222 E
3100	3700	↗	↗	↗	↗	↗	↗	↗	NF222 E
3100	3700	↗	↗	↗	↗	↗	↗	↗	NP222 E
2800	3700	↗	↗	↗	↗	↗	↗	↗	N2222 E
2800	3700	↗	↗	↗	↗	↗	↗	↗	NF2222 E
2800	3700	↗	↗	↗	↗	↗	↗	↗	NP2222 E
2500	3700	↗	↗	↗	↗	↗	↗	↗	N3222
2500	3700	↗	↗	↗	↗	↗	↗	↗	NF3222
2500	3700	↗	↗	↗	↗	↗	↗	↗	NP3222
2500	3300	↗	↗	↗	↗	↗	↗	↗	N322 E
2500	3300	↗	↗	↗	↗	↗	↗	↗	NF322 E
2500	3300	↗	↗	↗	↗	↗	↗	↗	NP322 E
2200	2900	↗	↗	↗	↗	↗	↗	↗	N422
2200	2900	↗	↗	↗	↗	↗	↗	↗	NF422
2200	2900	↗	↗	↗	↗	↗	↗	↗	NP422
2000	3000	↗	↗	↗	↗	↗	↗	↗	N2322 E
2000	3000	↗	↗	↗	↗	↗	↗	↗	NF2322 E

* Other products also available

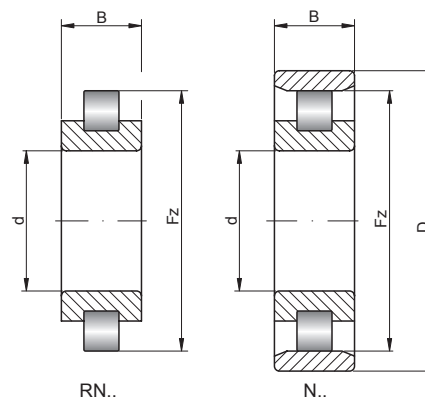


5. CYLINDRICAL ROLLER BEARINGS

5.6. Single-row cylindrical roller bearings - types - N, NF, NP

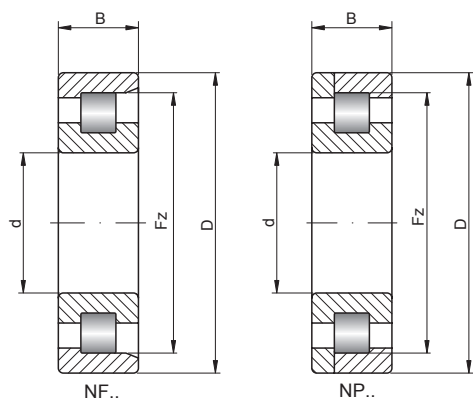


120 – 140 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
120 cont.	NP2322 E	3	2	120	165	80	211	21,13	680	880
	N2924	9	2	120	180	27	153,5	1,72	116	188
	NF2924	9	2	120	180	27	153,5	1,86	116	188
	NP2924	9	2	120	180	27	153,5	1,94	116	188
	N224 E	2	0	120	215	40	195,5	5,65	260	318
	NF224 E	2	0	120	215	40	195,5	6,09	260	318
	NP224 E	2	0	120	215	40	195,5	6,34	260	318
	N2224 E	2	2	120	215	58	195,5	8,56	452	619
	NF2224 E	2	2	120	215	58	195,5	9,24	452	619
	NP2224 E	2	2	120	215	58	195,5	9,62	452	619
	N3224	2	3	120	215	76	191,5	11,9	477	695
	NF3224	2	3	120	215	76	191,5	12,84	477	695
	NP3224	2	3	120	215	76	191,5	13,37	477	695
	N324 E	3	0	120	260	55	230	13,1	485	551
	NF324 E	3	0	120	260	55	230	14,13	485	551
	NP324 E	3	0	120	260	55	230	14,72	485	551
	N2324 E	3	2	120	260	86	230	23,1	793	1030
	NF2324 E	3	2	120	260	86	230	24,92	793	1030
	NP2324 E	3	2	120	260	86	230	25,96	793	1030
	N424	4	0	120	310	72	260	28	690	770
	NF424	4	0	120	310	72	260	30,16	690	770
	NP424	4	0	120	310	72	260	31,42	690	770
130	N1926	9	0	130	180	24	168	1,79	112	163
	NF1926	9	0	130	180	24	168	2	112	163
	NP1926	9	0	130	180	24	168	2,06	112	163
	N2926	9	2	130	180	30	168	2,27	152	243
	NF2926	9	2	130	180	30	168	2,5	152	243
	NP2926	9	2	130	180	30	168	2,6	152	243
	N226 E	2	0	130	230	40	209,5	6,49	282	362
	NF226 E	2	0	130	230	40	209,5	7	282	362
	NP226 E	2	0	130	230	40	209,5	7,3	282	362
	N2226 E	2	2	130	230	64	209,5	11,2	530	737
	NF2226 E	2	2	130	230	64	209,5	12,1	530	737
	NP2226 E	2	2	130	230	64	209,5	12,6	530	737
	N3226	2	3	130	230	80	204	14,1	550	857
	NF3226	2	3	130	230	80	204	15,3	550	857
	NP3226	2	3	130	230	80	204	15,9	550	857
	N326 E	3	0	130	280	58	247	16,4	564	667
	NF326 E	3	0	130	280	58	247	17,7	564	667
	NP326 E	3	0	130	280	58	247	18,4	564	667
	N2326 E	3	2	130	280	93	247	29,1	920	1230
	NF2326 E	3	2	130	280	93	247	31,4	920	1230
	NP2326 E	3	2	130	280	93	247	32,7	920	1230
	N3326	3	3	130	280	112	243	34,6	936	1290
	NF3326	3	3	130	280	112	243	37,2	936	1290
	NP3326	3	3	130	280	112	243	38,8	936	1290
	N426	4	0	130	340	78	285	36,1	771	876
	NF426	4	0	130	340	78	285	39	771	876
	NP426	4	0	130	340	78	285	40,6	771	876
140	N1928	9	0	140	190	24	187	1,9	117	177
	NF1928	9	0	140	190	24	187	2,1	117	177
	NP1928	9	0	140	190	24	187	2,2	117	177
	N2928	9	2	140	190	30	187	2,49	165	275
	NF2928	9	2	140	190	30	187	2,7	165	275

warehouse - order - phone



Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
2000	3000	↗	↗	↗	↗	↗	↗	↗	NP2322 E
3700	4600	↗	↗	↗	↗	↗	↗	↗	N2924
3700	4600	↗	↗	↗	↗	↗	↗	↗	NF2924
3700	4600	↗	↗	↗	↗	↗	↗	↗	NP2924
2900	3400	⊕	⊕	↗	↗	⊕	⊕	↗	N224 E
2900	3400	↗	↗	↗	↗	↗	↗	↗	NF224 E
2900	3400	↗	↗	↗	↗	↗	↗	↗	NP224 E
2600	3400	↗	↗	↗	↗	↗	↗	↗	N2224 E
2600	3400	↗	↗	↗	↗	↗	↗	↗	NF2224 E
2600	3400	↗	↗	↗	↗	↗	↗	↗	NP2224 E
2300	3400	↗	↗	↗	↗	↗	↗	↗	N3224
2300	3400	↗	↗	↗	↗	↗	↗	↗	NF3224
2300	3400	↗	↗	↗	↗	↗	↗	↗	NP3224
2200	3000	⊕	⊕	↗	↗	⊕	⊕	↗	N324 E
2200	3000	↗	↗	↗	↗	↗	↗	↗	NF324 E
2200	3000	↗	↗	↗	↗	↗	↗	↗	NP324 E
1800	2700	↗	↗	↗	↗	↗	↗	↗	N2324 E
1800	2700	↗	↗	↗	↗	↗	↗	↗	NF2324 E
1800	2700	↗	↗	↗	↗	↗	↗	↗	NP2324 E
1900	2600	↗	↗	↗	↗	↗	↗	↗	N424
1900	2600	↗	↗	↗	↗	↗	↗	↗	NF424
1900	2600	↗	↗	↗	↗	↗	↗	↗	NP424
3800	4500	↗	↗	↗	↗	↗	↗	↗	N1926
3800	4500	↗	↗	↗	↗	↗	↗	↗	NF1926
3800	4500	↗	↗	↗	↗	↗	↗	↗	NP1926
3500	4500	↗	↗	↗	↗	↗	↗	↗	N2926
3500	4500	↗	↗	↗	↗	↗	↗	↗	NF2926
3500	4500	↗	↗	↗	↗	↗	↗	↗	NP2926
2700	3200	⊕	⊕	↗	↗	⊕	⊕	↗	N226 E
2700	3200	↗	↗	↗	↗	↗	↗	↗	NF226 E
2700	3200	↗	↗	↗	↗	↗	↗	↗	NP226 E
2400	3200	↗	↗	↗	↗	↗	↗	↗	N2226 E
2400	3200	↗	↗	↗	↗	↗	↗	↗	NF2226 E
2400	3200	↗	↗	↗	↗	↗	↗	↗	NP2226 E
2100	3200	↗	↗	↗	↗	↗	↗	↗	N3226
2100	3200	↗	↗	↗	↗	↗	↗	↗	NF3226
2100	3200	↗	↗	↗	↗	↗	↗	↗	NP3226
2100	2700	⊕	⊕	↗	↗	⊕	⊕	↗	N326 E
2100	2700	↗	↗	↗	↗	↗	↗	↗	NF326 E
2100	2700	↗	↗	↗	↗	↗	↗	↗	NP326 E
1700	2500	↗	↗	↗	↗	↗	↗	↗	N2326 E
1700	2500	↗	↗	↗	↗	↗	↗	↗	NF2326 E
1700	2500	↗	↗	↗	↗	↗	↗	↗	NP2326 E
1800	2700	↗	↗	↗	↗	↗	↗	↗	N3326
1800	2700	↗	↗	↗	↗	↗	↗	↗	NF3326
1800	2700	↗	↗	↗	↗	↗	↗	↗	NP3326
1800	2300	↗	↗	↗	↗	↗	↗	↗	N426
1800	2300	↗	↗	↗	↗	↗	↗	↗	NF426
1800	2300	↗	↗	↗	↗	↗	↗	↗	NP426
3500	4200	↗	↗	↗	↗	↗	↗	↗	N1928
3500	4200	↗	↗	↗	↗	↗	↗	↗	NF1928
3500	4200	↗	↗	↗	↗	↗	↗	↗	NP1928
3250	4400	↗	↗	↗	↗	↗	↗	↗	N2928
3250	4400	↗	↗	↗	↗	↗	↗	↗	NF2928

* Other products also available

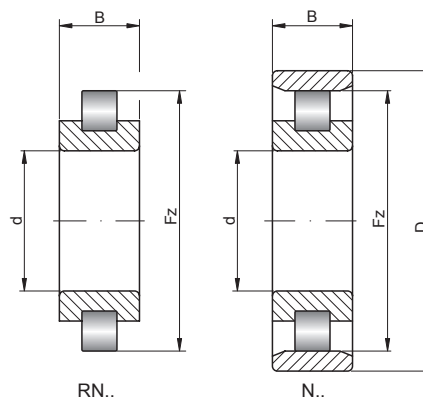


5. CYLINDRICAL ROLLER BEARINGS

5.6. Single-row cylindrical roller bearings - types - N, NF, NP

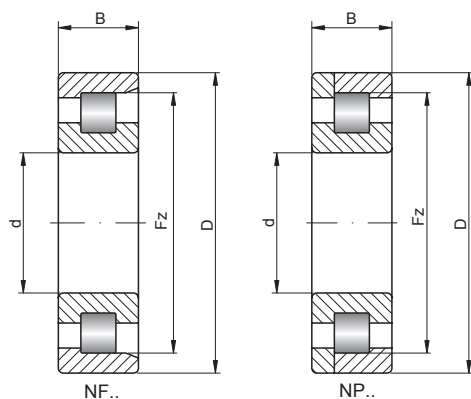


140 – 160 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
140 cont.	NP2928	9	2	140	190	30	187	2,8	165	275
	N228 E	2	0	140	250	42	225	8,27	324	421
	NF228 E	2	0	140	250	42	225	8,9	324	421
	NP228 E	2	0	140	250	42	225	9,3	324	421
	N2228 E	2	2	140	250	68	225	14,3	572	835
	NF2228 E	2	2	140	250	68	225	15,5	572	835
	NP2228 E	2	2	140	250	68	225	16,1	572	835
	N3228	2	3	140	250	88	221	18,5	604	939
	NF3228	2	3	140	250	88	221	20	604	939
	NP3228	2	3	140	250	88	221	20,8	604	939
	N328 E	3	0	140	300	62	264	20,1	623	746
	NF328 E	3	0	140	300	62	264	21,7	623	746
	NP328 E	3	0	140	300	62	264	22,6	623	746
	N2328 E	3	2	140	300	102	264	36,8	1020	1380
	NF2328 E	3	2	140	300	102	264	39,6	1020	1380
	NP2328 E	3	2	140	300	102	264	41,3	1020	1380
	N428	4	0	140	360	82	302	46,8	874	1020
	NF428	4	0	140	360	82	302	50,5	874	1020
	NP428	4	0	140	360	82	302	52,6	874	1020
150	N3030	0	3	150	225	56	207	8,03	374	652
	NF3030	0	3	150	225	56	207	8,7	374	652
	NP3030	0	3	150	225	56	207	9,1	374	652
	N230 E	2	0	150	270	45	242	10,3	374	492
	NF230 E	2	0	150	270	45	242	11	374	492
	NP230 E	2	0	150	270	45	242	11,5	374	492
	N2230 E	2	2	150	270	73	242	18,7	662	982
	NF2230 E	2	2	150	270	73	242	20,2	662	982
	NP2230 E	2	2	150	270	73	242	21	662	982
	N330 E	3	0	150	320	65	283	26,4	663	807
	NF330 E	3	0	150	320	65	283	28,5	663	807
	NP330 E	3	0	150	320	65	283	29,7	663	807
	N2330 E	3	2	150	320	108	283	44,7	1180	1600
	NF2330 E	3	2	150	320	108	283	48,3	1180	1600
	NP2330 E	3	2	150	320	108	283	50,3	1180	1600
	N3330	3	3	150	320	128	277	51,4	1180	1700
	NF3330	3	3	150	320	128	277	55,5	1180	1700
	NP3330	3	3	150	320	128	277	57,8	1180	1700
	N430	4	0	150	380	85	317	53,3	930	1120
	NF430	4	0	150	380	85	317	57,4	930	1120
	NP430	4	0	150	380	85	317	59,8	930	1120
160	N1932	9	0	160	220	28	205	3,08	149	228
	NF1932	9	0	160	220	28	205	3,4	149	228
	NP1932	9	0	160	220	28	205	3,5	149	228
	N2932	9	2	160	220	36	205	4,05	199	330
	NF2932	9	2	160	220	36	205	4,3	199	330
	NP2932	9	2	160	220	36	205	4,5	199	330
	N3132	1	3	160	270	86	243	20,6	681	1070
	NF3132	1	3	160	270	86	243	22,3	681	1070
	NP3132	1	3	160	270	86	243	23,2	681	1070
	N232 E	2	0	160	290	48	259	14,4	427	568
	NF232 E	2	0	160	290	48	259	15,6	427	568
	NP232 E	2	0	160	290	48	259	16,2	427	568
	N2232 E	2	2	160	290	80	261	23,6	809	1190
	NF2232 E	2	2	160	290	80	261	25,4	809	1190

- warehouse
 - order
 - phone



Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K		
3250	4400								NP2928	
2400	2900	⊕	⊕			⊕	⊕		N228 E	
2400	2900								NF228 E	
2400	2900								NP228 E	
2200	2900								N2228 E	
2200	2900								NF2228 E	
2200	2900								NP2228 E	
1900	2900								N3228	
1900	2900								NF3228	
1900	2900								NP3228	
1900	2500								N328 E	
1900	2500								NF328 E	
1900	2500								NP328 E	
1500	2300								N2328 E	
1500	2300								NF2328 E	
1500	2300								NP2328 E	
1600	2200								N428	
1600	2200								NF428	
1600	2200								NP428	
3000	4300								N3030	
3000	4300								NF3030	
3000	4300								NP3030	
2200	2700	⊕	⊕			⊕	⊕		N230 E	
2200	2700								NF230 E	
2200	2700								NP230 E	
2000	2600								N2230 E	
2000	2600								NF2230 E	
2000	2600								NP2230 E	
1800	2300								N330 E	
1800	2300								NF330 E	
1800	2300								NP330 E	
1400	2100								N2330 E	
1400	2100								NF2330 E	
1400	2100								NP2330 E	
1600	2300								N3330	
1600	2300								NF3330	
1600	2300								NP3330	
1500	2000								N430	
1500	2000								NF430	
1500	2000								NP430	
3200	3800								N1932	
3200	3800								NF1932	
3200	3800								NP1932	
3000	4300								N2932	
3000	4300								NF2932	
3000	4300								NP2932	
2500	4000								N3132	
2500	4000								NF3132	
2500	4000								NP3132	
2100	2500								N232 E	
2100	2500								NF232 E	
2100	2500								NP232 E	
1800	2400								N2232 E	
1800	2400								NF2232 E	

* Other products also available

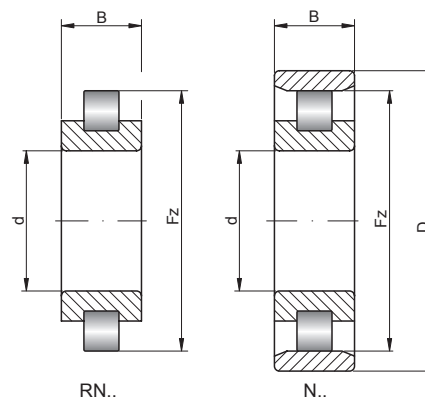


5. CYLINDRICAL ROLLER BEARINGS

5.6. Single-row cylindrical roller bearings - types - N, NF, NP

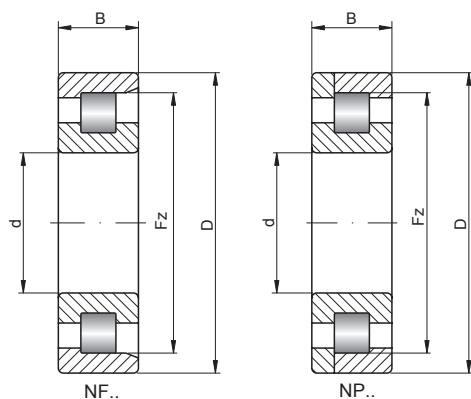


160 – 190 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
160 cont.	NP2232 E	2	2	160	290	80	261	26,5	809	1190
	N332 E	3	0	160	340	68	300	31,7	698	876
	NF332 E	3	0	160	340	68	300	34,2	698	876
	NP332 E	3	0	160	340	68	300	35,6	698	876
	N2332 E	3	2	160	340	114	300	53,1	1310	1820
	NF2332 E	3	2	160	340	114	300	57,2	1310	1820
	NP2332 E	3	2	160	340	114	300	59,6	1310	1820
	N3332	3	3	160	340	136	292	61,5	1270	1890
	NF3332	3	3	160	340	136	292	66,3	1270	1890
	NP3332	3	3	160	340	136	292	69,1	1270	1890
170	N3034	0	3	170	260	67	236	13	461	824
	NF3034	0	3	170	260	67	236	14	461	824
	NP3034	0	3	170	260	67	236	14,6	461	824
	N234 E	2	0	170	310	52	279	18,4	475	637
	NF234 E	2	0	170	310	52	279	19,9	475	637
	NP234 E	2	0	170	310	52	279	20,7	475	637
	N2234 E	2	2	170	310	86	281	29,2	967	1410
	NF2234 E	2	2	170	310	86	281	31,6	967	1410
	NP2234 E	2	2	170	310	86	281	32,9	967	1410
	N334 E	3	0	170	360	72	318	38,6	809	1010
	NF334 E	3	0	170	360	72	318	41,7	809	1010
	NP334 E	3	0	170	360	72	318	43,4	809	1010
	N2334	3	2	170	360	120	310	62,6	1220	1750
	NF2334	3	2	170	360	120	310	67,5	1220	1750
	NP2334	3	2	170	360	120	310	70,3	1220	1750
180	N3036	0	3	180	280	74	255	17,3	600	1040
	NF3036	0	3	180	280	74	255	18,7	600	1040
	NP3036	0	3	180	280	74	255	19,5	600	1040
	N236 E	2	0	180	320	52	289	19,3	492	677
	NF236 E	2	0	180	320	52	289	20,8	492	677
	NP236 E	2	0	180	320	52	289	21,7	492	677
	N2236 E	2	2	180	320	86	291	30,4	1010	1510
	NF2236 E	2	2	180	320	86	291	32,8	1010	1510
	NP2236 E	2	2	180	320	86	291	34,2	1010	1510
	N3236	2	3	180	320	112	282	38,4	999	1680
	NF3236	2	3	180	320	112	282	41,5	999	1680
	NP3236	2	3	180	320	112	282	43,2	999	1680
	N336 E	3	0	180	380	75	335	42,6	917	1150
	NF336 E	3	0	180	380	75	335	46	917	1150
	NP336 E	3	0	180	380	75	335	47,9	917	1150
	N2336	3	2	180	380	126	328	73	1350	1940
	NF2336	3	2	180	380	126	328	78,7	1350	1940
	NP2336	3	2	180	380	126	328	82	1350	1940
	N3336	3	3	180	380	150	328	84,4	1660	2520
	NF3336	3	3	180	380	150	328	91,1	1660	2520
	NP3336	3	3	180	380	150	328	94,9	1660	2520
190	N3038	0	3	190	290	75	265	18,4	636	1140
	NF3038	0	3	190	290	75	265	19,9	636	1140
	NP3038	0	3	190	290	75	265	20,7	636	1140
	N3138	1	3	190	320	104	287	34,5	942	1570
	NF3138	1	3	190	320	104	287	37,2	942	1570
	NP3138	1	3	190	320	104	287	38,7	942	1570
	N238 E	2	0	190	340	55	306	23,2	554	768

- warehouse - order - phone



Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
1800	2400	↗	↗	↗	↗	↗	↗	↗	NP2232 E
1600	2200	↗	↗	↗	↗	↗	↗	↗	N332 E
1600	2200	↗	↗	↗	↗	↗	↗	↗	NF332 E
1600	2200	↗	↗	↗	↗	↗	↗	↗	NP332 E
1300	2000	↗	↗	↗	↗	↗	↗	↗	N2332 E
1300	2000	↗	↗	↗	↗	↗	↗	↗	NF2332 E
1300	2000	↗	↗	↗	↗	↗	↗	↗	NP2332 E
1400	2200	↗	↗	↗	↗	↗	↗	↗	N3332
1400	2200	↗	↗	↗	↗	↗	↗	↗	NF3332
1400	2200	↗	↗	↗	↗	↗	↗	↗	NP3332
2700	4000	↗	↗	↗	↗	↗	↗	↗	N3034
2700	4000	↗	↗	↗	↗	↗	↗	↗	NF3034
2700	4000	↗	↗	↗	↗	↗	↗	↗	NP3034
1900	2300	↗	↗	↗	↗	↗	↗	↗	N234 E
1900	2300	↗	↗	↗	↗	↗	↗	↗	NF234 E
1900	2300	↗	↗	↗	↗	↗	↗	↗	NP234 E
1700	2200	↗	↗	↗	↗	↗	↗	↗	N2234 E
1700	2200	↗	↗	↗	↗	↗	↗	↗	NF2234 E
1700	2200	↗	↗	↗	↗	↗	↗	↗	NP2234 E
1500	2000	↗	↗	↗	↗	↗	↗	↗	N334 E
1500	2000	↗	↗	↗	↗	↗	↗	↗	NF334 E
1500	2000	↗	↗	↗	↗	↗	↗	↗	NP334 E
1300	1900	↗	↗	↗	↗	↗	↗	↗	N2334
1300	1900	↗	↗	↗	↗	↗	↗	↗	NF2334
1300	1900	↗	↗	↗	↗	↗	↗	↗	NP2334
2500	3800	↗	↗	↗	↗	↗	↗	↗	N3036
2500	3800	↗	↗	↗	↗	↗	↗	↗	NF3036
2500	3800	↗	↗	↗	↗	↗	↗	↗	NP3036
1800	2200	↗	↗	↗	↗	↗	↗	↗	N236 E
1800	2200	↗	↗	↗	↗	↗	↗	↗	NF236 E
1800	2200	↗	↗	↗	↗	↗	↗	↗	NP236 E
1600	2100	↗	↗	↗	↗	↗	↗	↗	N2236 E
1600	2100	↗	↗	↗	↗	↗	↗	↗	NF2236 E
1600	2100	↗	↗	↗	↗	↗	↗	↗	NP2236 E
1400	2200	↗	↗	↗	↗	↗	↗	↗	N3236
1400	2200	↗	↗	↗	↗	↗	↗	↗	NF3236
1400	2200	↗	↗	↗	↗	↗	↗	↗	NP3236
1400	1900	↗	↗	↗	↗	↗	↗	↗	N336 E
1400	1900	↗	↗	↗	↗	↗	↗	↗	NF336 E
1400	1900	↗	↗	↗	↗	↗	↗	↗	NP336 E
1200	1800	↗	↗	↗	↗	↗	↗	↗	N2336
1200	1800	↗	↗	↗	↗	↗	↗	↗	NF2336
1200	1800	↗	↗	↗	↗	↗	↗	↗	NP2336
1300	1900	↗	↗	↗	↗	↗	↗	↗	N3336
1300	1900	↗	↗	↗	↗	↗	↗	↗	NF3336
1300	1900	↗	↗	↗	↗	↗	↗	↗	NP3336
2200	3600	↗	↗	↗	↗	↗	↗	↗	N3038
2200	3600	↗	↗	↗	↗	↗	↗	↗	NF3038
2200	3600	↗	↗	↗	↗	↗	↗	↗	NP3038
2000	3200	↗	↗	↗	↗	↗	↗	↗	N3138
2000	3200	↗	↗	↗	↗	↗	↗	↗	NF3138
2000	3200	↗	↗	↗	↗	↗	↗	↗	NP3138
1700	2000	↗	↗	↗	↗	↗	↗	↗	N238 E

* Other products also available

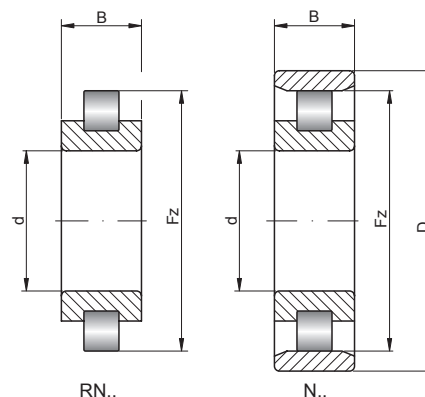


5. CYLINDRICAL ROLLER BEARINGS

5.6. Single-row cylindrical roller bearings - types - N, NF, NP

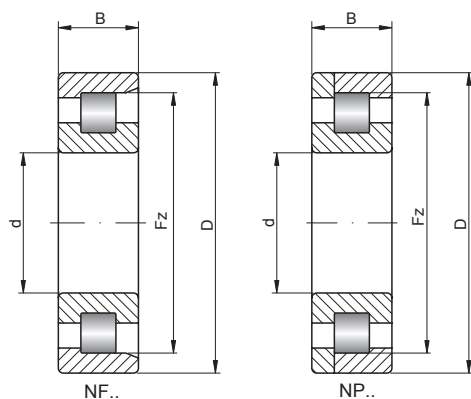


190 – 220 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
190 cont.	NF238 E	2	0	190	340	55	306	25,1	554	768
	NP238 E	2	0	190	340	55	306	26,1	554	768
	N2238	2	2	190	340	92	299	37	828	1290
	NF2238	2	2	190	340	92	299	39,9	828	1290
	NP2238	2	2	190	340	92	299	41,6	828	1290
	N3238	2	3	190	340	120	299	46,8	1310	1930
	NF3238	2	3	190	340	120	299	50,5	1310	1930
	NP3238	2	3	190	340	120	299	52,6	1310	1930
	N338 E	3	0	190	400	78	353	49,9	987	1260
	NF338 E	3	0	190	400	78	353	53,8	987	1260
	NP338 E	3	0	190	400	78	353	56	987	1260
	N2338	3	2	190	400	132	345	84,7	1520	2220
	NF2338	3	2	190	400	132	345	91,4	1520	2220
	NP2338	3	2	190	400	132	345	95,2	1520	2220
	N3338	3	3	190	400	155	345	96,5	1870	2910
	NF3338	3	3	190	400	155	345	104,2	1870	2910
	NP3338	3	3	190	400	155	345	108,5	1870	2910
200	N3040	0	3	200	310	82	282	23,7	689	1250
	NF3040	0	3	200	310	82	282	25,6	689	1250
	NP3040	0	3	200	310	82	282	26,7	689	1250
	N240 E	2	0	200	360	58	323	26,8	618	865
	NF240 E	2	0	200	360	58	323	28,9	618	865
	NP240 E	2	0	200	360	58	323	30,1	618	865
	N2240	2	2	200	360	98	316	44,4	946	1490
	NF2240	2	2	200	360	98	316	47,9	946	1490
	NP2240	2	2	200	360	98	316	49,9	946	1490
	N3240	2	3	200	360	128	316	56,2	1200	2020
	NF3240	2	3	200	360	128	316	60,6	1200	2020
	NP3240	2	3	200	360	128	316	63,1	1200	2020
	N340 E	3	0	200	420	80	370	56,2	987	1270
	NF340 E	3	0	200	420	80	370	60,6	987	1270
	NP340 E	3	0	200	420	80	370	63,1	987	1270
	N2340	3	2	200	420	138	360	97,4	1520	2240
	NF2340	3	2	200	420	138	360	105	1520	2240
	NP2340	3	2	200	420	138	360	109,5	1520	2240
220	N2944	9	2	220	300	48	281,5	9,82	366	655
	NF2944	9	2	220	300	48	281,5	11	366	655
	NP2944	9	2	220	300	48	281,5	11	366	655
	N3144	1	3	220	370	120	333	53,2	1230	2140
	NF3144	1	3	220	370	120	333	57	1230	2140
	NP3144	1	3	220	370	120	333	59,7	1230	2140
	N244 E	2	0	220	400	65	358	38,5	766	1080
	NF244 E	2	0	220	400	65	358	42	766	1080
	NP244 E	2	0	220	400	65	358	43,3	766	1080
	N2244	2	2	220	400	108	355	60,9	1130	1810
	NF2244	2	2	220	400	108	355	66	1130	1810
	NP2244	2	2	220	400	108	355	68,4	1130	1810
	N3244	2	3	220	400	144	350	78,8	1630	2880
	NF3244	2	3	220	400	144	350	85	1630	2880
	NP3244	2	3	220	400	144	350	88,6	1630	2880
	N3340	3	3	220	420	165	360	113	1870	2930
	NF3340	3	3	220	420	165	360	122	1870	2930
	NP3340	3	3	220	420	165	360	127	1870	2930
	N344 E	3	0	220	460	88	406	74,4	1200	1570

- warehouse - order - phone



Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
1700	2000	↗	↗	↗	↗	↗	↗	↗	NF238 E
1700	2000	↗	↗	↗	↗	↗	↗	↗	NP238 E
1500	2000	↗	↗	↗	↗	↗	↗	↗	N2238
1500	2000	↗	↗	↗	↗	↗	↗	↗	NF2238
1500	2000	↗	↗	↗	↗	↗	↗	↗	NP2238
1300	2000	↗	↗	↗	↗	↗	↗	↗	N3238
1300	2000	↗	↗	↗	↗	↗	↗	↗	NF3238
1300	2000	↗	↗	↗	↗	↗	↗	↗	NP3238
1300	1800	↗	↗	↗	↗	↗	↗	↗	N338 E
1300	1800	↗	↗	↗	↗	↗	↗	↗	NF338 E
1300	1800	↗	↗	↗	↗	↗	↗	↗	NP338 E
1100	1700	↗	↗	↗	↗	↗	↗	↗	N2338
1100	1700	↗	↗	↗	↗	↗	↗	↗	NF2338
1100	1700	↗	↗	↗	↗	↗	↗	↗	NP2338
1200	1800	↗	↗	↗	↗	↗	↗	↗	N3338
1200	1800	↗	↗	↗	↗	↗	↗	↗	NF3338
1200	1800	↗	↗	↗	↗	↗	↗	↗	NP3338
2000	3400	↗	↗	↗	↗	↗	↗	↗	N3040
2000	3400	↗	↗	↗	↗	↗	↗	↗	NF3040
2000	3400	↗	↗	↗	↗	↗	↗	↗	NP3040
1600	1900	↗	↗	↗	↗	↗	↗	↗	N240 E
1600	1900	↗	↗	↗	↗	↗	↗	↗	NF240 E
1600	1900	↗	↗	↗	↗	↗	↗	↗	NP240 E
1400	1900	↗	↗	↗	↗	↗	↗	↗	N2240
1400	1900	↗	↗	↗	↗	↗	↗	↗	NF2240
1400	1900	↗	↗	↗	↗	↗	↗	↗	NP2240
1300	1900	↗	↗	↗	↗	↗	↗	↗	N3240
1300	1900	↗	↗	↗	↗	↗	↗	↗	NF3240
1300	1900	↗	↗	↗	↗	↗	↗	↗	NP3240
1200	1700	↗	↗	↗	↗	↗	↗	↗	N340 E
1200	1700	↗	↗	↗	↗	↗	↗	↗	NF340 E
1200	1700	↗	↗	↗	↗	↗	↗	↗	NP340 E
1000	1500	↗	↗	↗	↗	↗	↗	↗	N2340
1000	1500	↗	↗	↗	↗	↗	↗	↗	NF2340
1000	1500	↗	↗	↗	↗	↗	↗	↗	NP2340
2000	3000	↗	↗	↗	↗	↗	↗	↗	N2944
2000	3000	↗	↗	↗	↗	↗	↗	↗	NF2944
2000	3000	↗	↗	↗	↗	↗	↗	↗	NP2944
1700	2700	↗	↗	↗	↗	↗	↗	↗	N3144
1700	2700	↗	↗	↗	↗	↗	↗	↗	NF3144
1700	2700	↗	↗	↗	↗	↗	↗	↗	NP3144
1400	1700	↗	↗	↗	↗	↗	↗	↗	N244 E
1400	1700	↗	↗	↗	↗	↗	↗	↗	NF244 E
1400	1700	↗	↗	↗	↗	↗	↗	↗	NP244 E
1200	1700	↗	↗	↗	↗	↗	↗	↗	N2244
1200	1700	↗	↗	↗	↗	↗	↗	↗	NF2244
1200	1700	↗	↗	↗	↗	↗	↗	↗	NP2244
1100	1700	↗	↗	↗	↗	↗	↗	↗	N3244
1100	1700	↗	↗	↗	↗	↗	↗	↗	NF3244
1100	1700	↗	↗	↗	↗	↗	↗	↗	NP3244
1100	1700	↗	↗	↗	↗	↗	↗	↗	N3340
1100	1700	↗	↗	↗	↗	↗	↗	↗	NF3340
1100	1700	↗	↗	↗	↗	↗	↗	↗	NP3340
1100	1500	↗	↗	↗	↗	↗	↗	↗	N344 E

* Other products also available

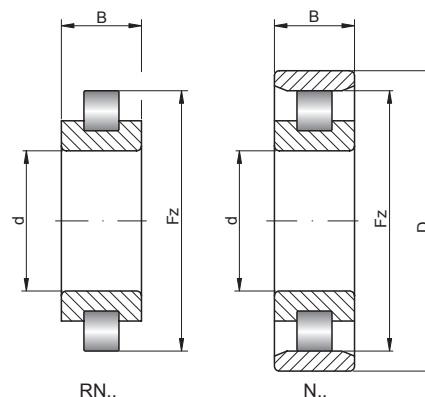


5. CYLINDRICAL ROLLER BEARINGS

5.6. Single-row cylindrical roller bearings - types - N, NF, NP

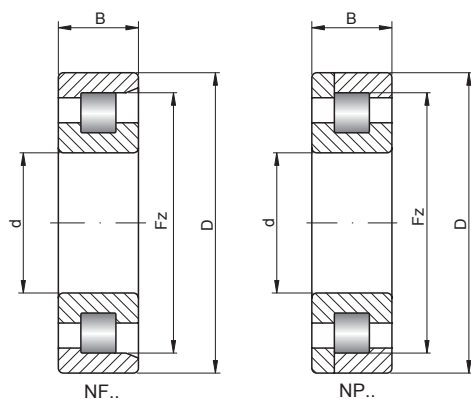


220 – 280 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
220 cont.	NF344 E	3	0	220	460	88	406	80	1200	1570
	NP344 E	3	0	220	460	88	406	83,6	1200	1570
	N2344	3	2	220	460	145	396	119	1810	2690
	NF2344	3	2	220	460	145	396	128	1810	2690
	NP2344	3	2	220	460	145	396	133,7	1810	2690
	N3344	3	3	220	460	180	396	148	2130	3300
	NF3344	3	3	220	460	180	396	160	2130	3300
	NP3344	3	3	220	460	180	396	166,3	2130	3300
240	N3048	0	3	240	360	92	330	33	774	1450
	NF3048	0	3	240	360	92	330	36	774	1450
	NP3048	0	3	240	360	92	330	37,1	774	1450
	N248 E	2	0	240	440	72	393	52,1	949	1340
	NF248 E	2	0	240	440	72	393	56	949	1340
	NP248 E	2	0	240	440	72	393	58,5	949	1340
	N2248	2	2	240	440	120	385	82,5	1430	2320
	NF2248	2	2	240	440	120	385	89	1430	2320
	NP2248	2	2	240	440	120	385	92,7	1430	2320
	N3248	2	3	240	440	160	385	107	1950	3460
	NF3248	2	3	240	440	160	385	115	1950	3460
	NP3248	2	3	240	440	160	385	120,2	1950	3460
	N348 E	3	0	240	500	95	442	94,6	1430	1950
	NF348 E	3	0	240	500	95	442	102	1430	1950
	NP348 E	3	0	240	500	95	442	106,3	1430	1950
	N2348	3	2	240	500	155	430	152	2170	3320
	NF2348	3	2	240	500	155	430	164	2170	3320
	NP2348	3	2	240	500	155	430	170,8	2170	3320
260	N1952	9	0	260	360	46	335	13,9	410	686
	NF1952	9	0	260	360	46	335	15	410	686
	NP1952	9	0	260	360	46	335	15,7	410	686
	N2952	9	2	260	360	60	335	18,4	558	1020
	NF2952	9	2	260	360	60	335	20	558	1020
	NP2952	9	2	260	360	60	335	20,7	558	1020
	N3152	1	3	260	440	144	392	92,7	1730	3120
	NF3152	1	3	260	440	144	392	100	1730	3120
	NP3152	1	3	260	440	144	392	104,1	1730	3120
	N252 E	2	0	260	480	80	429	69	1100	1580
	NF252 E	2	0	260	480	80	429	74	1100	1580
	NP252 E	2	0	260	480	80	429	77	1100	1580
	N2252	2	2	260	480	130	420	107	1790	2950
	NF2252	2	2	260	480	130	420	116	1790	2950
	NP2252	2	2	260	480	130	420	121	1790	2950
	N3252	2	3	260	480	174	420	139	2140	3680
	NF3252	2	3	260	480	174	420	151	2140	3680
	NP3252	2	3	260	480	174	420	157	2140	3680
	N2352	3	2	260	540	165	464	185	2430	3750
	NF2352	3	2	260	540	165	464	200	2430	3750
	NP2352	3	2	260	540	165	464	208	2430	3750
	N3352	3	3	260	540	206	464	232	2940	4790
	NF3352	3	3	260	540	206	464	251	2940	4790
	NP3352	3	3	260	540	206	464	261	2940	4790
280	N3856	8	3	280	350	52	332	11,5	427	968
	NF3856	8	3	280	350	52	332	12	427	968
	NP3856	8	3	280	350	52	332	13	427	968

warehouse order phone



Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
1100	1500	↗	↗	↗	↗	↗	↗	↗	NF344 E
1100	1500	↗	↗	↗	↗	↗	↗	↗	NP344 E
900	1400	↗	↗	↗	↗	↗	↗	↗	N2344
900	1400	↗	↗	↗	↗	↗	↗	↗	NF2344
900	1400	↗	↗	↗	↗	↗	↗	↗	NP2344
990	1500	↗	↗	↗	↗	↗	↗	↗	N3344
990	1500	↗	↗	↗	↗	↗	↗	↗	NF3344
990	1500	↗	↗	↗	↗	↗	↗	↗	NP3344
1600	2600	↗	↗	↗	↗	↗	↗	↗	N3048
1600	2600	↗	↗	↗	↗	↗	↗	↗	NF3048
1600	2600	↗	↗	↗	↗	↗	↗	↗	NP3048
1200	1500	↗	↗	↗	↗	↗	↗	↗	N248 E
1200	1500	↗	↗	↗	↗	↗	↗	↗	NF248 E
1200	1500	↗	↗	↗	↗	↗	↗	↗	NP248 E
1100	1500	↗	↗	↗	↗	↗	↗	↗	N2248
1100	1500	↗	↗	↗	↗	↗	↗	↗	NF2248
1100	1500	↗	↗	↗	↗	↗	↗	↗	NP2248
990	1500	↗	↗	↗	↗	↗	↗	↗	N3248
990	1500	↗	↗	↗	↗	↗	↗	↗	NF3248
990	1500	↗	↗	↗	↗	↗	↗	↗	NP3248
990	1300	↗	↗	↗	↗	↗	↗	↗	N348 E
990	1300	↗	↗	↗	↗	↗	↗	↗	NF348 E
990	1300	↗	↗	↗	↗	↗	↗	↗	NP348 E
800	1200	↗	↗	↗	↗	↗	↗	↗	N2348
800	1200	↗	↗	↗	↗	↗	↗	↗	NF2348
800	1200	↗	↗	↗	↗	↗	↗	↗	NP2348
1900	2300	↗	↗	↗	↗	↗	↗	↗	N1952
1900	2300	↗	↗	↗	↗	↗	↗	↗	NF1952
1900	2300	↗	↗	↗	↗	↗	↗	↗	NP1952
1600	2400	↗	↗	↗	↗	↗	↗	↗	N2952
1600	2400	↗	↗	↗	↗	↗	↗	↗	NF2952
1600	2400	↗	↗	↗	↗	↗	↗	↗	NP2952
1400	2300	↗	↗	↗	↗	↗	↗	↗	N3152
1400	2300	↗	↗	↗	↗	↗	↗	↗	NF3152
1400	2300	↗	↗	↗	↗	↗	↗	↗	NP3152
1100	1300	↗	↗	↗	↗	↗	↗	↗	N252 E
1100	1300	↗	↗	↗	↗	↗	↗	↗	NF252 E
1100	1300	↗	↗	↗	↗	↗	↗	↗	NP252 E
990	1300	↗	↗	↗	↗	↗	↗	↗	N2252
990	1300	↗	↗	↗	↗	↗	↗	↗	NF2252
990	1300	↗	↗	↗	↗	↗	↗	↗	NP2252
880	1300	↗	↗	↗	↗	↗	↗	↗	N3252
880	1300	↗	↗	↗	↗	↗	↗	↗	NF3252
880	1300	↗	↗	↗	↗	↗	↗	↗	NP3252
750	1100	↗	↗	↗	↗	↗	↗	↗	N2352
750	1100	↗	↗	↗	↗	↗	↗	↗	NF2352
750	1100	↗	↗	↗	↗	↗	↗	↗	NP2352
790	1200	↗	↗	↗	↗	↗	↗	↗	N3352
790	1200	↗	↗	↗	↗	↗	↗	↗	NF3352
790	1200	↗	↗	↗	↗	↗	↗	↗	NP3352
2000	3300	↗	↗	↗	↗	↗	↗	↗	N3856
2000	3300	↗	↗	↗	↗	↗	↗	↗	NF3856
2000	3300	↗	↗	↗	↗	↗	↗	↗	NP3856

* Other products also available

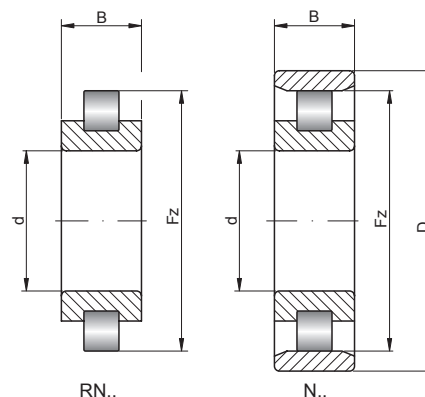


5. CYLINDRICAL ROLLER BEARINGS

5.6. Single-row cylindrical roller bearings - types - N, NF, NP

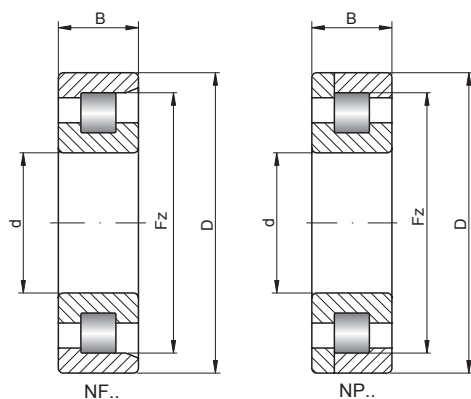


280 – 360 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
280 cont.	N1956	9	0	280	380	46	335	14,7	406	689
	NF1956	9	0	280	380	46	335	15	406	689
	NP1956	9	0	280	380	46	335	16	406	689
	N3156	1	3	280	460	146	416	97,2	1810	3280
	NF3156	1	3	280	460	146	416	105	1810	3280
	NP3156	1	3	280	460	146	416	109	1810	3280
	N256 E	2	0	280	500	80	449	72,7	1140	1680
	NF256 E	2	0	280	500	80	449	78	1140	1680
	NP256 E	2	0	280	500	80	449	81	1140	1680
300	N3860	8	3	300	380	60	358	16,6	543	1300
	NF3860	8	3	300	380	60	358	18	543	1300
	NP3860	8	3	300	380	60	358	19	543	1300
	N1960	9	0	300	420	56	388	23,3	507	873
	NF1960	9	0	300	420	56	388	25	507	873
	NP1960	9	0	300	420	56	388	26	507	873
	N3060	0	3	300	460	118	418	71,3	1290	2470
	NF3060	0	3	300	460	118	418	77	1290	2470
	NP3060	0	3	300	460	118	418	80	1290	2470
	N3160	1	3	300	500	160	448	129	2150	3940
	NF3160	1	3	300	500	160	448	139	2150	3940
	NP3160	1	3	300	500	160	448	145	2150	3940
	N260 E	2	0	300	540	85	484	90,7	1350	1960
	NF260 E	2	0	300	540	85	484	98	1350	1960
	NP260 E	2	0	300	540	85	484	102	1350	1960
320	N3064	0	3	320	480	121	438	76,4	1320	2590
	NF3064	0	3	320	480	121	438	82	1320	2590
	NP3064	0	3	320	480	121	438	85	1320	2590
	N264 E	2	0	320	580	92	520	114	1540	2270
	NF264 E	2	0	320	580	92	520	123	1540	2270
	NP264 E	2	0	320	580	92	520	128	1540	2270
340	N3868	8	3	340	420	60	402	18,1	624	1500
	NF3868	8	3	340	420	60	402	20	624	1500
	NP3868	8	3	340	420	60	402	21	624	1500
	N1968	9	0	340	460	56	430	25,7	605	1080
	NF1968	9	0	340	460	56	430	28	605	1080
	NP1968	9	0	340	460	56	430	29	605	1080
	N2968	9	2	340	460	72	428	34,7	800	1620
	NF2968	9	2	340	460	72	428	37	800	1620
	NP2968	9	2	340	460	72	428	39	800	1620
	N3068	0	3	340	520	133	473	102	1570	3080
	NF3068	0	3	340	520	133	473	109	1570	3080
	NP3068	0	3	340	520	133	473	114	1570	3080
360	N1872	8	0	360	440	38	420	11,7	339	692
	NF1872	8	0	360	440	38	420	12	339	692
	NP1872	8	0	360	440	38	420	13	339	692
	N1972	9	0	360	480	56	448	27,3	566	1060
	NF1972	9	0	360	480	56	448	30	566	1060
	NP1972	9	0	360	480	56	448	31	566	1060
	N2972	9	2	360	480	72	447	37,2	845	1820
	NF2972	9	2	360	480	72	447	40	845	1820
	NP2972	9	2	360	480	72	447	42	845	1820
	N3072	0	3	360	540	134	493	111	1970	4180

- warehouse
 - order
 - phone



Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
1700	2000	↗	↗	↗	↗	↗	↗	↗	N1956
1700	2000	↗	↗	↗	↗	↗	↗	↗	NF1956
1700	2000	↗	↗	↗	↗	↗	↗	↗	NP1956
1300	2150	↗	↗	↗	↗	↗	↗	↗	N3156
1300	2150	↗	↗	↗	↗	↗	↗	↗	NF3156
1300	2150	↗	↗	↗	↗	↗	↗	↗	NP3156
1000	1200	↗	↗	↗	↗	↗	↗	↗	N256 E
1000	1200	↗	↗	↗	↗	↗	↗	↗	NF256 E
1000	1200	↗	↗	↗	↗	↗	↗	↗	NP256 E
1800	2900	↗	↗	↗	↗	↗	↗	↗	N3860
1800	2900	↗	↗	↗	↗	↗	↗	↗	NF3860
1800	2900	↗	↗	↗	↗	↗	↗	↗	NP3860
1600	1900	↗	↗	↗	↗	↗	↗	↗	N1960
1600	1900	↗	↗	↗	↗	↗	↗	↗	NF1960
1600	1900	↗	↗	↗	↗	↗	↗	↗	NP1960
1400	2200	↗	↗	↗	↗	↗	↗	↗	N3060
1400	2200	↗	↗	↗	↗	↗	↗	↗	NF3060
1400	2200	↗	↗	↗	↗	↗	↗	↗	NP3060
1250	1900	↗	↗	↗	↗	↗	↗	↗	N3160
1250	1900	↗	↗	↗	↗	↗	↗	↗	NF3160
1250	1900	↗	↗	↗	↗	↗	↗	↗	NP3160
920	1100	↗	↗	↗	↗	↗	↗	↗	N260 E
920	1100	↗	↗	↗	↗	↗	↗	↗	NF260 E
920	1100	↗	↗	↗	↗	↗	↗	↗	NP260 E
1350	2000	↗	↗	↗	↗	↗	↗	↗	N3064
1350	2000	↗	↗	↗	↗	↗	↗	↗	NF3064
1350	2000	↗	↗	↗	↗	↗	↗	↗	NP3064
840	1000	↗	↗	↗	↗	↗	↗	↗	N264 E
840	1000	↗	↗	↗	↗	↗	↗	↗	NF264 E
840	1000	↗	↗	↗	↗	↗	↗	↗	NP264 E
1500	2200	↗	↗	↗	↗	↗	↗	↗	N3868
1500	2200	↗	↗	↗	↗	↗	↗	↗	NF3868
1500	2200	↗	↗	↗	↗	↗	↗	↗	NP3868
1400	1700	↗	↗	↗	↗	↗	↗	↗	N1968
1400	1700	↗	↗	↗	↗	↗	↗	↗	NF1968
1400	1700	↗	↗	↗	↗	↗	↗	↗	NP1968
1400	1900	↗	↗	↗	↗	↗	↗	↗	N2968
1400	1900	↗	↗	↗	↗	↗	↗	↗	NF2968
1400	1900	↗	↗	↗	↗	↗	↗	↗	NP2968
1300	1900	↗	↗	↗	↗	↗	↗	↗	N3068
1300	1900	↗	↗	↗	↗	↗	↗	↗	NF3068
1300	1900	↗	↗	↗	↗	↗	↗	↗	NP3068
1500	2000	↗	↗	↗	↗	↗	↗	↗	N1872
1500	2000	↗	↗	↗	↗	↗	↗	↗	NF1872
1500	2000	↗	↗	↗	↗	↗	↗	↗	NP1872
1300	1500	↗	↗	↗	↗	↗	↗	↗	N1972
1300	1500	↗	↗	↗	↗	↗	↗	↗	NF1972
1300	1500	↗	↗	↗	↗	↗	↗	↗	NP1972
1200	1700	↗	↗	↗	↗	↗	↗	↗	N2972
1200	1700	↗	↗	↗	↗	↗	↗	↗	NF2972
1200	1700	↗	↗	↗	↗	↗	↗	↗	NP2972
1200	1700	↗	↗	↗	↗	↗	↗	↗	N3072

* Other products also available

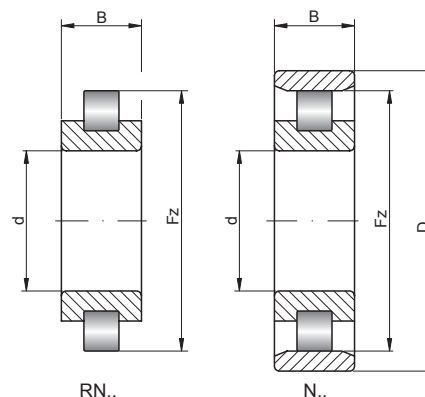


5. CYLINDRICAL ROLLER BEARINGS

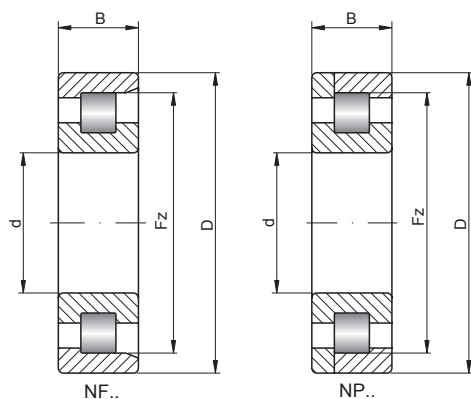
5.6. Single-row cylindrical roller bearings - types - N, NF, NP



360 – 500 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
360 cont.	NF3072	0	3	360	540	134	493	120	1970	4180
	NP3072	0	3	360	540	134	493	125	1970	4180
380	N3876	8	3	380	480	75	455	32,3	852	1970
	NF3876	8	3	380	480	75	455	35	852	1970
	NP3876	8	3	380	480	75	455	36	852	1970
	N3076	0	3	380	560	135	513	113	1690	3470
	NF3076	0	3	380	560	135	513	122	1690	3470
	NP3076	0	3	380	560	135	513	127	1690	3470
400	N1880	8	0	400	500	46	474	20,1	456	924
	NF1880	8	0	400	500	46	474	22	456	924
	NP1880	8	0	400	500	46	474	23	456	924
	N3880	8	3	400	500	75	474	34,2	852	2060
	NF3880	8	3	400	500	75	474	36	852	2060
	NP3880	8	3	400	500	75	474	38	852	2060
	N3080	0	3	400	600	148	550	148	2250	4370
	NF3080	0	3	400	600	148	550	159	2250	4370
	NP3080	0	3	400	600	148	550	166	2250	4370
420	N3884	8	3	420	520	75	494	35,5	882	2260
	NF3884	8	3	420	520	75	494	38	882	2260
	NP3884	8	3	420	520	75	494	40	882	2260
	N1984	9	0	420	560	65	524	42,5	800	1510
	NF1984	9	0	420	560	65	524	45	800	1510
	NP1984	9	0	420	560	65	524	47	800	1510
	N3084	0	3	420	620	150	570	156	1380	4770
	NF3084	0	3	420	620	150	570	168	1380	4770
	NP3084	0	3	420	620	150	570	175	1380	4770
460	N1992	9	0	460	620	74	580	60,8	1060	1990
	NF1992	9	0	460	620	74	580	65	1060	1990
	NP1992	9	0	460	620	74	580	68	1060	1990
	N3092	0	3	460	680	163	627	206	2960	6150
	NF3092	0	3	460	680	163	627	223	2960	6150
	NP3092	0	3	460	680	163	627	232	2960	6150
	N1892	8	0	460	580	56	550	37	825	1700
	NF1892	8	0	460	580	56	550	39	825	1700
	NP1892	8	0	460	580	56	550	41	825	1700
480	N1996	9	0	480	650	78	605	72,7	1130	2200
	NF1996	9	0	480	650	78	605	78	1130	2200
	NP1996	9	0	480	650	78	605	81	1130	2200
	N2996	9	2	480	650	100	605	96,8	1600	3450
	NF2996	9	2	480	650	100	605	105	1600	3450
	NP2996	9	2	480	650	100	605	109	1600	3450
	N3096	0	3	480	700	165	647	216	3030	6410
	NF3096	0	3	480	700	165	647	233	3030	6410
	NP3096	0	3	480	700	165	647	243	3030	6410
500	N18/500	8	0	500	620	56	590	37,3	705	1560
	NF18/500	8	0	500	620	56	590	40	705	1560
	NP18/500	8	0	500	620	56	590	42	705	1560
	N38/500	8	3	500	620	90	590	61,8	1210	3140
	NF38/500	8	3	500	620	90	590	66	1210	3140
	NP38/500	8	3	500	620	90	590	69	1210	3140



Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K		
1200	1700	↗	↗	↗	↗	↗	↗	↗	NF3072	
1200	1700	↗	↗	↗	↗	↗	↗	↗	NP3072	
1200	1800	↗	↗	↗	↗	↗	↗	↗	N3876	
1200	1800	↗	↗	↗	↗	↗	↗	↗	NF3876	
1200	1800	↗	↗	↗	↗	↗	↗	↗	NP3876	
1100	1600	↗	↗	↗	↗	↗	↗	↗	N3076	
1100	1600	↗	↗	↗	↗	↗	↗	↗	NF3076	
1100	1600	↗	↗	↗	↗	↗	↗	↗	NP3076	
1300	1700	↗	↗	↗	↗	↗	↗	↗	N1880	
1300	1700	↗	↗	↗	↗	↗	↗	↗	NF1880	
1300	1700	↗	↗	↗	↗	↗	↗	↗	NP1880	
1100	1600	↗	↗	↗	↗	↗	↗	↗	N3880	
1100	1600	↗	↗	↗	↗	↗	↗	↗	NF3880	
1100	1600	↗	↗	↗	↗	↗	↗	↗	NP3880	
1000	1500	↗	↗	↗	↗	↗	↗	↗	N3080	
1000	1500	↗	↗	↗	↗	↗	↗	↗	NF3080	
1000	1500	↗	↗	↗	↗	↗	↗	↗	NP3080	
900	1100	↗	↗	↗	↗	↗	↗	↗	N3884	
900	1100	↗	↗	↗	↗	↗	↗	↗	NF3884	
900	1100	↗	↗	↗	↗	↗	↗	↗	NP3884	
860	1000	↗	↗	↗	↗	↗	↗	↗	N1984	
860	1000	↗	↗	↗	↗	↗	↗	↗	NF1984	
860	1000	↗	↗	↗	↗	↗	↗	↗	NP1984	
900	1400	↗	↗	↗	↗	↗	↗	↗	N3084	
900	1400	↗	↗	↗	↗	↗	↗	↗	NF3084	
900	1400	↗	↗	↗	↗	↗	↗	↗	NP3084	
780	920	↗	↗	↗	↗	↗	↗	↗	N1992	
780	920	↗	↗	↗	↗	↗	↗	↗	NF1992	
780	920	↗	↗	↗	↗	↗	↗	↗	NP1992	
850	1300	↗	↗	↗	↗	↗	↗	↗	N3092	
850	1300	↗	↗	↗	↗	↗	↗	↗	NF3092	
850	1300	↗	↗	↗	↗	↗	↗	↗	NP3092	
1100	1400	↗	↗	↗	↗	↗	↗	↗	N1892	
1100	1400	↗	↗	↗	↗	↗	↗	↗	NF1892	
1100	1400	↗	↗	↗	↗	↗	↗	↗	NP1892	
750	860	↗	↗	↗	↗	↗	↗	↗	N1996	
750	860	↗	↗	↗	↗	↗	↗	↗	NF1996	
750	860	↗	↗	↗	↗	↗	↗	↗	NP1996	
900	1200	↗	↗	↗	↗	↗	↗	↗	N2996	
900	1200	↗	↗	↗	↗	↗	↗	↗	NF2996	
900	1200	↗	↗	↗	↗	↗	↗	↗	NP2996	
800	1200	↗	↗	↗	↗	↗	↗	↗	N3096	
800	1200	↗	↗	↗	↗	↗	↗	↗	NF3096	
800	1200	↗	↗	↗	↗	↗	↗	↗	NP3096	
1000	1300	↗	↗	↗	↗	↗	↗	↗	N18/500	
1000	1300	↗	↗	↗	↗	↗	↗	↗	NF18/500	
1000	1300	↗	↗	↗	↗	↗	↗	↗	NP18/500	
800	1000	↗	↗	↗	↗	↗	↗	↗	N38/500	
800	1000	↗	↗	↗	↗	↗	↗	↗	NF38/500	
800	1000	↗	↗	↗	↗	↗	↗	↗	NP38/500	

* Other products also available

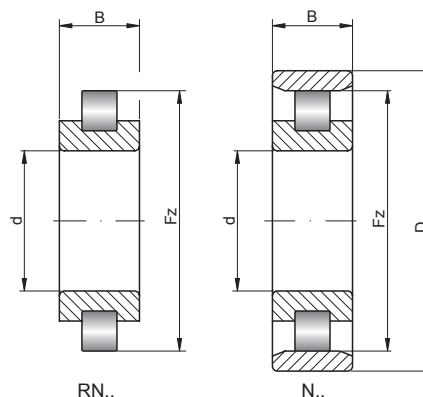


5. CYLINDRICAL ROLLER BEARINGS

5.6. Single-row cylindrical roller bearings - types - N, NF, NP

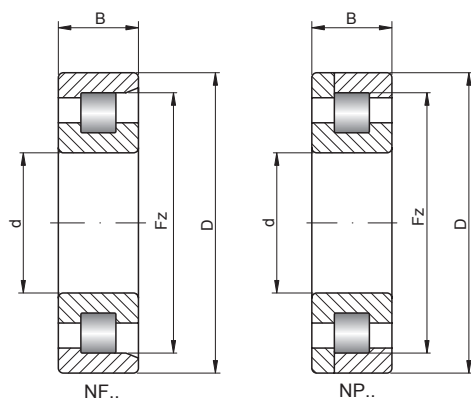


500 – 670 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
500 cont.	N19/500	9	0	500	670	78	626	78,5	1480	3160
	NF19/500	9	0	500	670	78	626	85	1480	3160
	NP19/500	9	0	500	670	78	626	89	1480	3160
	N29/500	9	2	500	670	100	626	101	1940	4500
	NF29/500	9	2	500	670	100	626	108	1940	4500
	NP29/500	9	2	500	670	100	626	113	1940	4500
	N10/500	0	0	500	720	100	666	141	2270	4440
	NF10/500	0	0	500	720	100	666	153	2270	4440
	NP10/500	0	0	500	720	100	666	159	2270	4440
	N39/500	9	3	500	670	128	626	130	2330	5200
	NF39/500	9	3	500	670	128	626	140	2330	5200
	NP39/500	9	3	500	670	128	626	146	2330	5200
530	N19/530	9	0	530	710	82	665	86,9	1320	2560
	NF19/530	9	0	530	710	82	665	94	1320	2560
	NP19/530	9	0	530	710	82	665	98	1320	2560
	N29/530	9	2	530	710	106	667	118	2160	4850
	NF29/530	9	2	530	710	106	667	128	2160	4850
	NP29/530	9	2	530	710	106	667	133	2160	4850
	N30/530 E	0	3	530	780	185	725	309	4740	10100
	NF30/530 E	0	3	530	780	185	725	333	4740	10100
	NP30/530 E	0	3	530	780	185	725	347	4740	10100
560	N19/560	9	0	560	750	85	705	105	1600	3260
	NF19/560	9	0	560	750	85	705	113	1600	3260
	NP19/560	9	0	560	750	85	705	118	1600	3260
	N29/560	9	2	560	750	112	705	140	2040	4480
	NF29/560	9	2	560	750	112	705	152	2040	4480
	NP29/560	9	2	560	750	112	705	158	2040	4480
	N10/560	0	0	560	820	115	760	210	2890	5630
	NF10/560	0	0	560	820	115	760	227	2890	5630
	NP10/560	0	0	560	820	115	760	236	2890	5630
	N31/560	1	3	560	920	280	832	745	7420	15100
	NF31/560	1	3	560	920	280	832	804	7420	15100
	NP31/560	1	3	560	920	280	832	837	7420	15100
600	N19/600	9	0	600	800	90	752	126	1980	4170
	NF19/600	9	0	600	800	90	752	135	1980	4170
	NP19/600	9	0	600	800	90	752	141	1980	4170
630	N28/630	8	2	630	780	88	745	91,8	1510	3690
	NF28/630	8	2	630	780	88	745	99	1510	3690
	NP28/630	8	2	630	780	88	745	103	1510	3690
	N19/630	9	0	630	850	100	799	165	2450	5240
	NF19/630	9	0	630	850	100	799	178	2450	5240
	NP19/630	9	0	630	850	100	799	185	2450	5240
	N29/630	9	2	630	850	128	799	210	3100	7080
	NF29/630	9	2	630	850	128	799	227	3100	7080
	NP29/630	9	2	630	850	128	799	236	3100	7080
	N38/630	8	3	630	780	112	745	125	2200	5700
	NF38/630	8	3	630	780	112	745	134	2200	5700
	NP38/630	8	3	630	780	112	745	140	2200	5700
670	N18/670	8	0	670	820	69	784	76,6	1530	3750
	NF18/670	8	0	670	820	69	784	84	1530	3750
	NP18/670	8	0	670	820	69	784	87	1530	3750

- warehouse - order - phone



Limiting speed [rpm]		Basic makes*								Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K		
720	840	↗	↗	↗	↗	↗	↗	↗	N19/500	
720	840	↗	↗	↗	↗	↗	↗	↗	NF19/500	
720	840	↗	↗	↗	↗	↗	↗	↗	NP19/500	
860	1100	↗	↗	↗	↗	↗	↗	↗	N29/500	
860	1100	↗	↗	↗	↗	↗	↗	↗	NF29/500	
860	1100	↗	↗	↗	↗	↗	↗	↗	NP29/500	
1100	1500	↗	↗	↗	↗	↗	↗	↗	N10/500	
1100	1500	↗	↗	↗	↗	↗	↗	↗	NF10/500	
1100	1500	↗	↗	↗	↗	↗	↗	↗	NP10/500	
800	1200	↗	↗	↗	↗	↗	↗	↗	N39/500	
800	1200	↗	↗	↗	↗	↗	↗	↗	NF39/500	
800	1200	↗	↗	↗	↗	↗	↗	↗	NP39/500	
700	820	↗	↗	↗	↗	↗	↗	↗	N19/530	
700	820	↗	↗	↗	↗	↗	↗	↗	NF19/530	
700	820	↗	↗	↗	↗	↗	↗	↗	NP19/530	
830	1050	↗	↗	↗	↗	↗	↗	↗	N29/530	
830	1050	↗	↗	↗	↗	↗	↗	↗	NF29/530	
830	1050	↗	↗	↗	↗	↗	↗	↗	NP29/530	
700	1000	↗	↗	↗	↗	↗	↗	↗	N30/530 E	
700	1000	↗	↗	↗	↗	↗	↗	↗	NF30/530 E	
700	1000	↗	↗	↗	↗	↗	↗	↗	NP30/530 E	
680	800	↗	↗	↗	↗	↗	↗	↗	N19/560	
680	800	↗	↗	↗	↗	↗	↗	↗	NF19/560	
680	800	↗	↗	↗	↗	↗	↗	↗	NP19/560	
780	1000	↗	↗	↗	↗	↗	↗	↗	N29/560	
780	1000	↗	↗	↗	↗	↗	↗	↗	NF29/560	
780	1000	↗	↗	↗	↗	↗	↗	↗	NP29/560	
1000	1300	↗	↗	↗	↗	↗	↗	↗	N10/560	
1000	1300	↗	↗	↗	↗	↗	↗	↗	NF10/560	
1000	1300	↗	↗	↗	↗	↗	↗	↗	NP10/560	
540	900	↗	↗	↗	↗	↗	↗	↗	N31/560	
540	900	↗	↗	↗	↗	↗	↗	↗	NF31/560	
540	900	↗	↗	↗	↗	↗	↗	↗	NP31/560	
650	770	↗	↗	↗	↗	↗	↗	↗	N19/600	
650	770	↗	↗	↗	↗	↗	↗	↗	NF19/600	
650	770	↗	↗	↗	↗	↗	↗	↗	NP19/600	
950	1600	↗	↗	↗	↗	↗	↗	↗	N28/630	
950	1600	↗	↗	↗	↗	↗	↗	↗	NF28/630	
950	1600	↗	↗	↗	↗	↗	↗	↗	NP28/630	
620	750	↗	↗	↗	↗	↗	↗	↗	N19/630	
620	750	↗	↗	↗	↗	↗	↗	↗	NF19/630	
620	750	↗	↗	↗	↗	↗	↗	↗	NP19/630	
680	850	↗	↗	↗	↗	↗	↗	↗	N29/630	
680	850	↗	↗	↗	↗	↗	↗	↗	NF29/630	
680	850	↗	↗	↗	↗	↗	↗	↗	NP29/630	
670	670	↗	↗	↗	↗	↗	↗	↗	N38/630	
670	670	↗	↗	↗	↗	↗	↗	↗	NF38/630	
670	670	↗	↗	↗	↗	↗	↗	↗	NP38/630	
900	1100	↗	↗	↗	↗	↗	↗	↗	N18/670	
900	1100	↗	↗	↗	↗	↗	↗	↗	NF18/670	
900	1100	↗	↗	↗	↗	↗	↗	↗	NP18/670	

* Other products also available

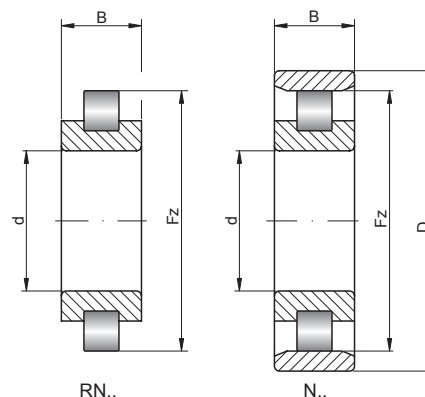


5. CYLINDRICAL ROLLER BEARINGS

5.6. Single-row cylindrical roller bearings - types - N, NF, NP

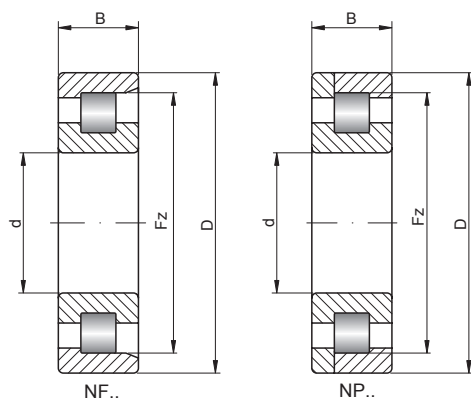


710 – 1250 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
710	N18/710	8	0	710	870	74	831	95,4	1750	4400
	NF18/710	8	0	710	870	74	831	103	1750	4400
	NP18/710	8	0	710	870	74	831	107	1750	4400
	N19/710	9	0	710	950	106	894	215	2910	6370
	NF19/710	9	0	710	950	106	894	232	2910	6370
	NP19/710	9	0	710	950	106	894	242	2910	6370
	N29/710	9	2	710	950	140	894	279	3650	8530
	NF29/710	9	2	710	950	140	894	300	3650	8530
	NP29/710	9	2	710	950	140	894	313	3650	8530
	N28/710	8	2	710	870	95	831	130	1940	5000
	NF28/710	8	2	710	870	95	831	140	1940	5000
	NP28/710	8	2	710	870	95	831	146	1940	5000
750	N19/750	9	0	750	1000	112	943	265	2810	5850
	NF19/750	9	0	750	1000	112	943	286	2810	5850
	NP19/750	9	0	750	1000	112	943	298	2810	5850
	N10/800	0	0	800	1150	155	1062	545	5180	10900
	NF10/800	0	0	800	1150	155	1062	588	5180	10900
	NP10/800	0	0	800	1150	155	1062	613	5180	10900
850	N28/850	8	2	850	1030	106	980	175	2120	5960
	NF28/850	8	2	850	1030	106	980	189	2120	5960
	NP28/850	8	2	850	1030	106	980	197	2120	5960
	N19/850	9	0	850	1120	118	1053	310	3630	8190
	NF19/850	9	0	850	1120	118	1053	334	3630	8190
	NP19/850	9	0	850	1120	118	1053	348	3630	8190
	N29/850	9	2	850	1120	155	1053	430	4680	11200
	NF29/850	9	2	850	1120	155	1053	464	4680	11200
	NP29/850	9	2	850	1120	155	1053	483	4680	11200
900	N28/900	8	2	900	1090	112	1045	240	2700	7200
	NF28/900	8	2	900	1090	112	1045	259	2700	7200
	NP28/900	8	2	900	1090	112	1045	270	2700	7200
950	N38/950	8	3	950	1150	150	1102	312	4030	12100
	NF38/950	8	3	950	1150	150	1102	336	4030	12100
	NP38/950	8	3	950	1150	150	1102	350	4030	12100
1000	N28/1000	8	2	1000	1220	128	1165	350	3690	10000
	NF28/1000	8	2	1000	1220	128	1165	377	3690	10000
	NP28/1000	8	2	1000	1220	128	1165	393	3690	10000
1060	N28/1060	8	2	1060	1280	128	1225	360	3580	10400
	NF28/1060	8	2	1060	1280	128	1225	389	3580	10400
	NP28/1060	8	2	1060	1280	128	1225	405	3580	10400
	N30/1060	0	3	1060	1500	325	1390	1900	13000	32500
	NF30/1060	0	3	1060	1500	325	1390	2050	13000	32500
1180	N39/1180	9	3	1180	1540	272	1466	2135	13000	32500
	NF39/1180	9	3	1180	1540	272	1466	1400	11200	29000
	NP39/1180	9	3	1180	1540	272	1466	1510	11200	29000
1250	N20/1250	0	2	1250	1750	290	1635	1573	11200	29000
	NF20/1250	0	2	1250	1750	290	1635	2320	12800	30500
								2503	12800	30500

- warehouse
 - order
 - phone



Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
800	1000	↗	↗	↗	↗	↗	↗	↗	N18/710
800	1000	↗	↗	↗	↗	↗	↗	↗	NF18/710
800	1000	↗	↗	↗	↗	↗	↗	↗	NP18/710
590	730	↗	↗	↗	↗	↗	↗	↗	N19/710
590	730	↗	↗	↗	↗	↗	↗	↗	NF19/710
590	730	↗	↗	↗	↗	↗	↗	↗	NP19/710
600	800	↗	↗	↗	↗	↗	↗	↗	N29/710
600	800	↗	↗	↗	↗	↗	↗	↗	NF29/710
600	800	↗	↗	↗	↗	↗	↗	↗	NP29/710
630	850	↗	↗	↗	↗	↗	↗	↗	N28/710
630	850	↗	↗	↗	↗	↗	↗	↗	NF28/710
630	850	↗	↗	↗	↗	↗	↗	↗	NP28/710
560	700	↗	↗	↗	↗	↗	↗	↗	N19/750
560	700	↗	↗	↗	↗	↗	↗	↗	NF19/750
560	700	↗	↗	↗	↗	↗	↗	↗	NP19/750
800	1000	↗	↗	↗	↗	↗	↗	↗	N10/800
800	1000	↗	↗	↗	↗	↗	↗	↗	NF10/800
800	1000	↗	↗	↗	↗	↗	↗	↗	NP10/800
500	700	↗	↗	↗	↗	↗	↗	↗	N28/850
500	700	↗	↗	↗	↗	↗	↗	↗	NF28/850
500	700	↗	↗	↗	↗	↗	↗	↗	NP28/850
450	600	↗	↗	↗	↗	↗	↗	↗	N19/850
450	600	↗	↗	↗	↗	↗	↗	↗	NF19/850
450	600	↗	↗	↗	↗	↗	↗	↗	NP19/850
480	600	↗	↗	↗	↗	↗	↗	↗	N29/850
480	600	↗	↗	↗	↗	↗	↗	↗	NF29/850
480	600	↗	↗	↗	↗	↗	↗	↗	NP29/850
450	600	↗	↗	↗	↗	↗	↗	↗	N28/900
450	600	↗	↗	↗	↗	↗	↗	↗	NF28/900
450	600	↗	↗	↗	↗	↗	↗	↗	NP28/900
400	600	↗	↗	↗	↗	↗	↗	↗	N38/950
400	600	↗	↗	↗	↗	↗	↗	↗	NF38/950
400	600	↗	↗	↗	↗	↗	↗	↗	NP38/950
400	530	↗	↗	↗	↗	↗	↗	↗	N28/1000
400	530	↗	↗	↗	↗	↗	↗	↗	NF28/1000
400	530	↗	↗	↗	↗	↗	↗	↗	NP28/1000
300	360	↗	↗	↗	↗	↗	↗	↗	N28/1060
300	360	↗	↗	↗	↗	↗	↗	↗	NF28/1060
300	360	↗	↗	↗	↗	↗	↗	↗	NP28/1060
220	280	↗	↗	↗	↗	↗	↗	↗	N30/1060
220	280	↗	↗	↗	↗	↗	↗	↗	NF30/1060
220	280	↗	↗	↗	↗	↗	↗	↗	NP30/1060
200	260	↗	↗	↗	↗	↗	↗	↗	N39/1180
200	260	↗	↗	↗	↗	↗	↗	↗	NF39/1180
200	260	↗	↗	↗	↗	↗	↗	↗	NP39/1180
170	200	↗	↗	↗	↗	↗	↗	↗	N20/1250
170	200	↗	↗	↗	↗	↗	↗	↗	NF20/1250

* Other products also available

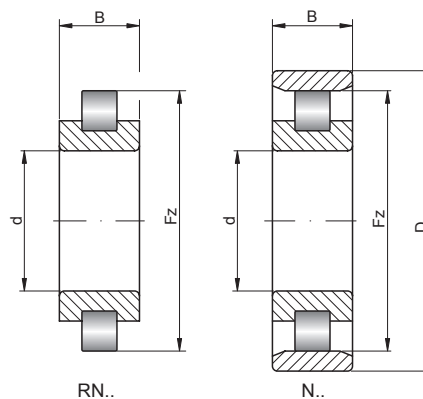


5. CYLINDRICAL ROLLER BEARINGS

5.6. Single-row cylindrical roller bearings - types - N, NF, NP

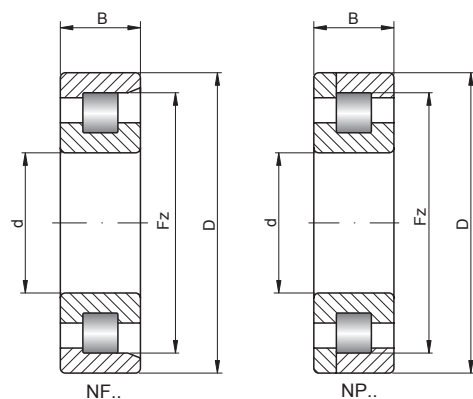


1250 – 1600 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]				Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B	Fz		dyn. C	stat. C ₀
1250 cont.	NP20/1250	0	2	1250	1750	290	1635	2607	12800	30500
1320	N39/1320	9	3	1320	1720	300	1640	1900	13200	34000
	NF39/1320	9	3	1320	1720	300	1640	2050	13200	34000
	NP39/1320	9	3	1320	1720	300	1640	2135	13200	34000
	N30/1320	0	3	1320	1850	400	1737	3550	21600	55000
	NF30/1320	0	3	1320	1850	400	1737	3829	21600	55000
	NP30/1320	0	3	1320	1850	400	1737	3989	21600	55000
1400	N28/1400	8	2	1400	1700	175	1637	860	6600	18300
	NF28/1400	8	2	1400	1700	175	1637	927	6600	18300
	NP28/1400	8	2	1400	1700	175	1637	966	6600	18300
1600	N18/1600	8	0	1600	1950	155	1866	986	7060	20100
	NF18/1600	8	0	1600	1950	155	1866	1064	7060	20100
	NP18/1600	8	0	1600	1950	155	1866	1108	7060	20100

- warehouse - order - phone



Limiting speed [rpm]		Basic makes*							Bearing No.
grease	oil	-	M	TV	C2	C3	C4	K	
170	200	↗	↗	↗	↗	↗	↗	↗	NP20/1250
220	320	↗	↗	↗	↗	↗	↗	↗	N39/1320
220	320	↗	↗	↗	↗	↗	↗	↗	NF39/1320
220	320	↗	↗	↗	↗	↗	↗	↗	NP39/1320
190	240	↗	↗	↗	↗	↗	↗	↗	N30/1320
190	240	↗	↗	↗	↗	↗	↗	↗	NF30/1320
190	240	↗	↗	↗	↗	↗	↗	↗	NP30/1320
220	280	↗	↗	↗	↗	↗	↗	↗	N28/1400
220	280	↗	↗	↗	↗	↗	↗	↗	NF28/1400
220	280	↗	↗	↗	↗	↗	↗	↗	NP28/1400
400	700	↗	↗	↗	↗	↗	↗	↗	N18/1600
400	700	↗	↗	↗	↗	↗	↗	↗	NF18/1600
400	700	↗	↗	↗	↗	↗	↗	↗	NP18/1600

* Other products also available

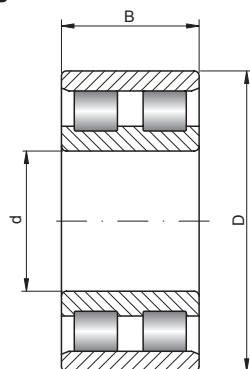


5. CYLINDRICAL ROLLER BEARINGS

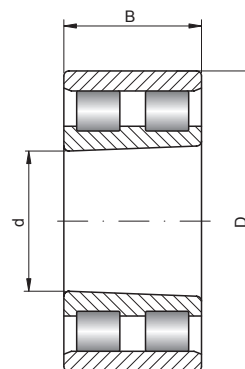
5.7. Multi-row cylindrical roller bearings
- types - NN, NN..K



25 – 105 mm



NN..



NN.. K

Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
25	NN3005 K	0	3	25	47	16	0,121	25,8	30
	NN3005	0	3	25	47	16	0,124	25,8	30
30	NN3006 K	0	3	30	55	19	0,193	31	37
	NN3006	0	3	30	55	19	0,199	31	37
35	NN3007 K	0	3	35	62	20	0,235	38	47,5
	NN3007	0	3	35	62	20	0,242	38	47,5
40	NN3008 K	0	3	40	68	21	0,303	43,5	55,5
	NN3008	0	3	40	68	21	0,312	43,5	55,5
45	NN3009 K	0	3	45	75	23	0,393	52	68,5
	NN3009	0	3	45	75	23	0,405	52	68,5
50	NN3010 K	0	3	50	80	23	0,419	53	72,5
	NN3010	0	3	50	80	23	0,433	53	72,5
55	NN3011 K	0	3	55	90	26	0,631	69,5	96,5
	NN3011	0	3	55	90	26	0,651	69,5	96,5
60	NN3012 K	0	3	60	95	26	0,683	71	102
	NN3012	0	3	60	95	26	0,704	71	102
65	NN3013 K	0	3	65	100	26	0,735	75	111
	NN3013	0	3	65	100	26	0,758	75	111
70	NN3014 K	0	3	70	110	30	1,01	94,5	143
	NN3014	0	3	70	110	30	1,04	94,5	143
75	NN3015 K	0	3	75	115	30	1,11	96,5	149
	NN3015	0	3	75	115	30	1,14	96,5	149
80	NN3016 K	0	3	80	125	34	1,47	116	179
	NN3016	0	3	80	125	34	1,52	116	179
85	NN3017 K	0	3	85	130	34	1,56	122	194
	NN3017	0	3	85	130	34	1,61	122	194
90	NN3018 K	0	3	90	140	37	2,01	143	228
	NN3018	0	3	90	140	37	2,07	143	228
95	NN3019 K	0	3	95	145	37	2,1	146	238
	NN3019	0	3	95	145	37	2,17	146	238
100	NN4920	9	4	100	140	40	1,75	131	260
	NN4920 K	9	4	100	140	40	1,7	131	260
	NN3020 K	0	3	100	150	37	2,19	153	256
	NN3020	0	3	100	150	37	2,26	153	256
	NN3120	1	3	100	165	52	4,41	230	354
	NN3120 K	1	3	100	165	52	4,28	230	354
105	NN4921	9	4	105	145	40	1,82	133	268
	NN4921 K	9	4	105	145	40	1,8	133	268
	NN3021 K	0	3	105	160	41	2,8	198	320
	NN3021	0	3	105	160	41	2,89	198	320

Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	P51	P41	
14000	17000	☐	☑	☑	⊕	☐	NN3005 K
14000	17000	☑	☑	☑	☑	☑	NN3005
12000	15000	☐	☑	☑	⊕	☐	NN3006 K
12000	15000	☑	☑	☑	☑	☑	NN3006
11000	13000	☐	☑	☑	⊕	☐	NN3007 K
11000	13000	☑	☑	☑	☑	☑	NN3007
9700	11000	☐	☑	☑	⊕	☐	NN3008 K
9700	11000	☑	☑	☑	☑	☑	NN3008
8800	10000	☐	☑	☑	⊕	☐	NN3009 K
8800	10000	☑	☑	☑	☑	☑	NN3009
8000	9400	☐	☑	☑	⊕	☐	NN3010 K
8000	9400	☑	☑	☑	☑	☑	NN3010
7300	8600	☐	⊕	☑	⊕	☐	NN3011 K
7300	8600	☑	☑	☑	☑	☑	NN3011
6700	7900	☐	⊕	☑	⊕	☐	NN3012 K
6700	7900	☑	☑	☑	☑	☑	NN3012
6200	7300	☐	⊕	☑	⊕	☐	NN3013 K
6200	7300	☑	☑	☑	☑	☑	NN3013
5800	6800	☐	⊕	☑	⊕	☐	NN3014 K
5800	6800	☑	☑	☑	☑	☑	NN3014
5400	6300	☐	⊕	☑	⊕	☐	NN3015 K
5400	6300	☑	☑	☑	☑	☑	NN3015
5100	5900	☐	⊕	☑	⊕	☐	NN3016 K
5100	5900	☑	☑	☑	☑	☑	NN3016
4800	5600	☐	⊕	☑	⊕	☐	NN3017 K
4800	5600	☑	☑	☑	☑	☑	NN3017
4500	5300	☐	☐	☑	⊕	☐	NN3018 K
4500	5300	☑	☑	☑	☑	☑	NN3018
4300	5000	☐	☐	☑	⊕	☐	NN3019 K
4300	5000	☑	☑	☑	☑	☑	NN3019
4300	5100	☑	☑	☑	☑	☑	NN4920
4300	5100	☑	☑	☑	☑	☑	NN4920 K
4000	4800	☐	☐	☑	⊕	☐	NN3020 K
4000	4800	☑	☑	☑	☑	☑	NN3020
-	-	☑	☑	☑	☑	☑	NN3120
-	-	☑	☑	☑	☑	☑	NN3120 K
4100	4800	☑	☑	☑	☑	☑	NN4921
4100	4800	☑	☑	☑	☑	☑	NN4921 K
3800	4500	☐	☐	☑	⊕	☐	NN3021 K
3800	4500	☑	☑	☑	☑	☑	NN3021

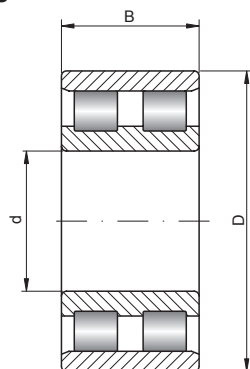
* Other products also available



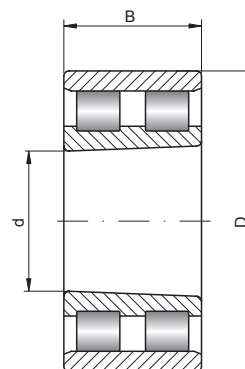
5. CYLINDRICAL ROLLER BEARINGS

5.7. Multi-row cylindrical roller bearings
- types - NN, NN..K

110 – 180 mm



NN..



NN.. K

Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
110	NN4922	9	4	110	150	40	1,9	137	284
	NN4922 K	9	4	110	150	40	1,8	137	284
	NN3022 K	0	3	110	170	45	3,56	229	375
	NN3022	0	3	110	170	45	3,69	229	375
	NN4022	0	4	110	170	60	5	297	527
	NN4022 K	0	4	110	170	60	4,86	297	527
	NN3122	1	3	110	180	56	5,63	254	397
	NN3122 K	1	3	110	180	56	5,47	254	397
120	NN4924	9	4	120	165	45	2,63	183	360
	NN4924 K	9	4	120	165	45	2,6	183	360
	NN3024 K	0	3	120	180	46	3,83	233	390
	NN3024	0	3	120	180	46	3,98	233	390
	NN4024	0	4	120	180	60	5,35	312	573
	NN4024 K	0	4	120	180	60	5,19	312	573
	NN3124	1	3	120	200	62	7,72	320	508
	NN3124 K	1	3	120	200	62	7,5	320	508
130	NN4926	9	4	130	180	50	3,52	220	440
	NN4926 K	9	4	130	180	50	3,4	220	440
	NN3026 K	0	3	130	200	52	5,71	284	475
	NN3026	0	3	130	200	52	5,92	284	475
	NN3126	1	3	130	210	64	8,65	328	535
	NN3126 K	1	3	130	210	64	8,4	328	535
140	NN4928	9	4	140	190	50	3,76	227	470
	NN4928 K	9	4	140	190	50	3,7	227	470
	NN3028 K	0	3	140	210	53	6,21	298	515
	NN3028	0	3	140	210	53	6,44	298	515
	NN3128	1	3	140	225	68	10,2	368	612
	NN3128 K	1	3	140	225	68	9,9	368	612
150	NN4930	9	4	150	210	60	5,9	345	690
	NN4930 K	9	4	150	210	60	5,7	345	690
	NN3030 K	0	3	150	225	56	7,53	335	585
	NN3030	0	3	150	225	56	7,81	335	585
160	NN4932	9	4	160	220	60	6,24	355	740
	NN4932 K	9	4	160	220	60	6,1	355	740
	NN3032 K	0	3	160	240	60	8,59	375	660
	NN3032	0	3	160	240	60	8,92	375	660
	NN3132	1	3	160	270	86	20,1	606	1010
	NN3132 K	1	3	160	270	86	19,5	606	1010
170	NN4934	9	4	170	230	60	6,56	360	765
	NN4934 K	9	4	170	230	60	6,4	360	765
	NN3034 K	0	3	170	260	67	12,2	440	775
	NN3034	0	3	170	260	67	12,6	440	775
	NN3134	1	3	170	280	88	21,3	623	1060
	NN3134 K	1	3	170	280	88	20,7	623	1060
180	NN4836	8	4	180	225	45	4,09	228	544
	NN4836 K	8	4	180	225	45	3,97	228	544
	NN4936	9	4	180	250	69	9,46	460	965
	NN4936 K	9	4	180	250	69	9,2	460	965
	NN3036 K	0	3	180	280	74	16	565	995

Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	P51	P41	
3900	4600	↗	↗	↗	↗	↗	NN4922
3900	4600	↗	↗	↗	↗	↗	NN4922 K
3600	4300	↘	↘	↗	⊕	↘	NN3022 K
3600	4300	↗	↗	↗	↗	↗	NN3022
-	-	↗	↗	↗	↗	↗	NN4022
-	-	↗	↗	↗	↗	↗	NN4022 K
-	-	↗	↗	↗	↗	↗	NN3122
-	-	↗	↗	↗	↗	↗	NN3122 K
3600	4200	↗	↗	↗	↗	↗	NN4924
3600	4200	↗	↗	↗	↗	↗	NN4924 K
3300	3900	↘	↘	↗	⊕	↘	NN3024 K
3300	3900	↗	↗	↗	↗	↗	NN3024
-	-	↗	↗	↗	↗	↗	NN4024
-	-	↗	↗	↗	↗	↗	NN4024 K
-	-	↗	↗	↗	↗	↗	NN3124
-	-	↗	↗	↗	↗	↗	NN3124 K
3300	3900	↗	↗	↗	↗	↗	NN4926
3300	3900	↗	↗	↗	↗	↗	NN4926 K
3100	3600	↘	↘	↗	⊕	↘	NN3026 K
3100	3600	↗	↗	↗	↗	↗	NN3026
-	-	↗	↗	↗	↗	↗	NN3126
-	-	↗	↗	↗	↗	↗	NN3126 K
3000	3600	↗	↗	↗	↗	↗	NN4928
3000	3600	↗	↗	↗	↗	↗	NN4928 K
2800	3300	⊕	⊕	↗	⊕	⊕	NN3028 K
2800	3300	↗	↗	↗	↗	↗	NN3028
-	-	↗	↗	↗	↗	↗	NN3128
-	-	↗	↗	↗	↗	↗	NN3128 K
2800	3300	↗	↗	↗	↗	↗	NN4930
2800	3300	↗	↗	↗	↗	↗	NN4930 K
2600	3100	⊕	⊕	↗	⊕	⊕	NN3030 K
2600	3100	↗	↗	↗	↗	↗	NN3030
2600	3100	↗	↗	↗	↗	↗	NN4932
2600	3100	↗	↗	↗	↗	↗	NN4932 K
2500	2900	⊕	⊕	↗	⊕	⊕	NN3032 K
2500	2900	↗	↗	↗	↗	↗	NN3032
-	-	↗	↗	↗	↗	↗	NN3132
-	-	↗	↗	↗	↗	↗	NN3132 K
2500	2900	↗	↗	↗	↗	↗	NN4934
2500	2900	↗	↗	↗	↗	↗	NN4934 K
2300	2700	⊕	⊕	↗	⊕	⊕	NN3034 K
2300	2700	↗	↗	↗	↗	↗	NN3034
-	-	↗	↗	↗	↗	↗	NN3134
-	-	↗	↗	↗	↗	↗	NN3134 K
-	-	↗	↗	↗	↗	↗	NN4836
-	-	↗	↗	↗	↗	↗	NN4836 K
2300	2700	↗	↗	↗	↗	↗	NN4936
2300	2700	↗	↗	↗	↗	↗	NN4936 K
2200	2600	↗	↗	↗	↗	↗	NN3036 K

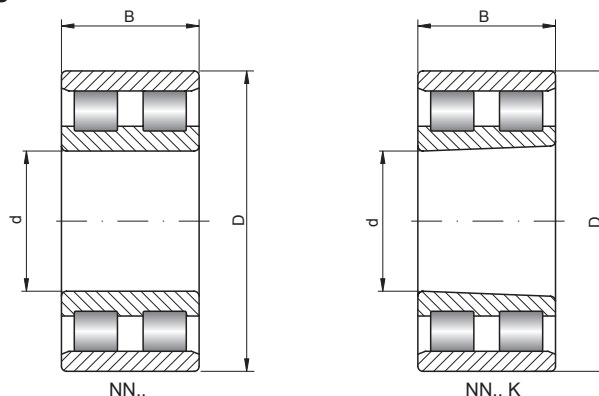
* Other products also available



5. CYLINDRICAL ROLLER BEARINGS

5.7. Multi-row cylindrical roller bearings
- types - NN, NN..K

180 – 320 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
180 cont.	NN3036	0	3	180	280	74	16,6	565	995
	NN3136	1	3	180	300	96	27,6	742	1280
	NN3136 K	1	3	180	300	96	26,8	742	1280
190	NN4938	9	4	190	260	69	9,93	475	1030
	NN4938 K	9	4	190	260	69	9,6	475	1030
	NN3038 K	0	3	190	290	75	17,4	580	1040
	NN3038	0	3	190	290	75	18	580	1040
	NN3138	1	3	190	320	104	33,9	897	1550
	NN3138 K	1	3	190	320	104	32,9	897	1550
200	NN4940	9	4	200	280	80	14	555	1180
	NN4940 K	9	4	200	280	80	13,6	555	1180
	NN3040 K	0	3	200	310	82	20,8	655	1170
	NN3040	0	3	200	310	82	21,6	655	1170
	NN3140	1	3	200	340	112	41,3	960	1640
	NN3140 K	1	3	200	340	112	40,1	960	1640
220	NN4944	9	4	220	300	80	15,2	585	1300
	NN4944 K	9	4	220	300	80	14,8	585	1300
	NN3044 K	0	3	220	340	90	28,2	815	1480
	NN3044	0	3	220	340	90	29,3	815	1480
	NN3144	1	3	220	370	120	52,2	1110	1950
	NN3144 K	1	3	220	370	120	50,7	1110	1950
240	NN4948	9	4	240	320	80	16,4	610	1410
	NN4948 K	9	4	240	320	80	15,9	610	1410
	NN3048 K	0	3	240	360	92	31,6	855	1600
	NN3048	0	3	240	360	92	32,8	855	1600
	NN3148	1	3	240	400	128	64,6	1270	2290
	NN3148 K	1	3	240	400	128	62,7	1270	2290
260	NN4952	9	4	260	360	100	28,3	900	2070
	NN4952 K	9	4	260	360	100	27,5	900	2070
	NN3052 K	0	3	260	400	104	45,8	1060	1990
	NN3052	0	3	260	400	104	47,4	1060	1990
	NN4052	0	4	260	400	140	62,6	1420	2720
	NN4052 K	0	4	260	400	140	60,8	1420	2720
280	NN4956	9	4	280	380	100	30,2	925	2200
	NN4956 K	9	4	280	380	100	29,3	925	2200
	NN3056 K	0	3	280	420	106	49,4	1080	2080
	NN3056	0	3	280	420	106	51,1	1080	2080
	NN3156	1	3	280	460	146	96,7	1700	3250
	NN3156 K	1	3	280	460	146	93,9	1700	3250
300	NN4960	9	4	300	420	118	46,4	1200	2800
	NN4960 K	9	4	300	420	118	45	1200	2800
	NN3060 K	0	3	300	460	118	68,7	1330	2560
	NN3060	0	3	300	460	118	70,8	1330	2560
	NN3160	1	3	300	500	160	126	2060	3840
	NN3160 K	1	3	300	500	160	122	2060	3840
320	NN4964	9	4	320	440	118	49	1240	2970
	NN4964 K	9	4	320	440	118	47,6	1240	2970
	NN3064 K	0	3	320	480	121	74	1350	2670

Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	P51	P41	
2200	2600	↗	↗	↗	↗	↗	NN3036
-	-	↗	↗	↗	↗	↗	NN3136
-	-	↗	↗	↗	↗	↗	NN3136 K
2200	2600	↗	↗	↗	↗	↗	NN4938
2200	2600	↗	↗	↗	↗	↗	NN4938 K
2000	2400	↗	↗	↗	↗	↗	NN3038 K
2000	2400	↗	↗	↗	↗	↗	NN3038
-	-	↗	↗	↗	↗	↗	NN3138
-	-	↗	↗	↗	↗	↗	NN3138 K
2100	2400	↗	↗	↗	↗	↗	NN4940
2100	2400	↗	↗	↗	↗	↗	NN4940 K
1900	2300	↗	↗	↗	↗	↗	NN3040 K
1900	2300	↗	↗	↗	↗	↗	NN3040
-	-	↗	↗	↗	↗	↗	NN3140
-	-	↗	↗	↗	↗	↗	NN3140 K
1900	2200	↗	↗	↗	↗	↗	NN4944
1900	2200	↗	↗	↗	↗	↗	NN4944 K
1700	2100	↗	↗	↗	↗	↗	NN3044 K
1700	2100	↗	↗	↗	↗	↗	NN3044
-	-	↗	↗	↗	↗	↗	NN3144
-	-	↗	↗	↗	↗	↗	NN3144 K
1700	2000	↗	↗	↗	↗	↗	NN4948
1700	2000	↗	↗	↗	↗	↗	NN4948 K
1600	1900	↗	↗	↗	↗	↗	NN3048 K
1600	1900	↗	↗	↗	↗	↗	NN3048
-	-	↗	↗	↗	↗	↗	NN3148
-	-	↗	↗	↗	↗	↗	NN3148 K
1600	1800	↗	↗	↗	↗	↗	NN4952
1600	1800	↗	↗	↗	↗	↗	NN4952 K
1500	1700	↗	↗	↗	↗	↗	NN3052 K
1500	1700	↗	↗	↗	↗	↗	NN3052
-	-	↗	↗	↗	↗	↗	NN4052
-	-	↗	↗	↗	↗	↗	NN4052 K
1400	1700	↗	↗	↗	↗	↗	NN4956
1400	1700	↗	↗	↗	↗	↗	NN4956 K
1300	1600	↗	↗	↗	↗	↗	NN3056 K
1300	1600	↗	↗	↗	↗	↗	NN3056
-	-	↗	↗	↗	↗	↗	NN3156
-	-	↗	↗	↗	↗	↗	NN3156 K
1300	1500	↗	↗	↗	↗	↗	NN4960
1300	1500	↗	↗	↗	↗	↗	NN4960 K
1200	1500	↗	↗	↗	↗	↗	NN3060 K
1200	1500	↗	↗	↗	↗	↗	NN3060
-	-	↗	↗	↗	↗	↗	NN3160
-	-	↗	↗	↗	↗	↗	NN3160 K
1200	1400	↗	↗	↗	↗	↗	NN4964
1200	1400	↗	↗	↗	↗	↗	NN4964 K
1100	1300	↗	↗	↗	↗	↗	NN3064 K

* Other products also available

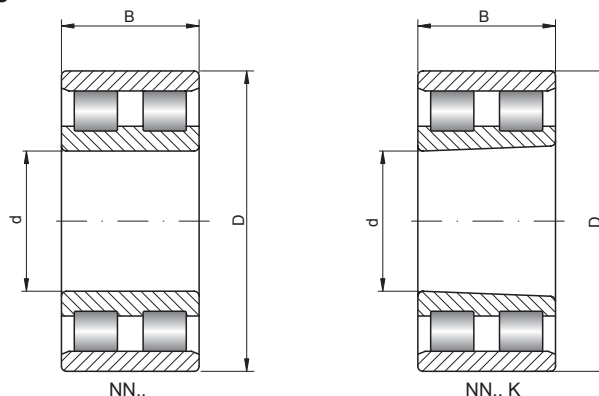


5. CYLINDRICAL ROLLER BEARINGS

5.7. Multi-row cylindrical roller bearings
- types - NN, NN..K



320 – 600 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
320 cont.	NN3064	0	3	320	480	121	76,4	1350	2670
	NN3164	1	3	320	540	176	165	2420	4580
	NN3164 K	1	3	320	540	176	160	2420	4580
340	NN3068 K	0	3	340	520	133	98,5	1620	3200
	NN3068	0	3	340	520	133	102	1620	3200
360	NN4872	8	4	360	440	80	25,5	724	1990
	NN4872 K	8	4	360	440	80	24,8	724	1990
	NN3972	9	3	360	480	90	44,7	933	2080
	NN3972 K	9	3	360	480	90	43,4	933	2080
	NN3072 K	0	3	360	540	134	103	1650	3300
	NN3072	0	3	360	540	134	107	1650	3300
	NN3172	1	3	360	600	192	218	2820	5400
	NN3172 K	1	3	360	600	192	212	2820	5400
380	NN3076 K	0	3	380	560	135	109	1690	3450
	NN3076	0	3	380	560	135	113	1690	3450
	NN3176	1	3	380	650	194	230	2900	5690
	NN3176 K	1	3	380	650	194	223	2900	5690
400	NN3980	9	3	400	540	106	68	1240	2740
	NN3980 K	9	3	400	540	106	66	1240	2740
	NN3080 K	0	3	400	600	148	141	2040	4150
	NN3080	0	3	400	600	148	146	2040	4150
420	NN3984	9	3	420	560	106	71,1	1280	2900
	NN3984 K	9	3	420	560	106	69	1280	2900
	NN3084 K	0	3	420	620	150	148	2080	4300
	NN3084	0	3	420	620	150	154	2080	4300
	NN3184	1	3	420	700	220	341	3810	7440
	NN3184 K	1	3	420	700	220	331	3810	7440
440	NN3088 K	0	3	440	650	157	172	2420	5100
	NN3088	0	3	440	650	157	178	2420	5100
460	NN4992	9	4	460	620	160	135	2250	5440
	NN4992 K	9	4	460	620	160	131	2250	5440
	NN3092 K	0	3	460	680	163	195	2550	5350
	NN3092	0	3	460	680	163	202	2550	5350
480	NN3096 K	0	3	480	700	165	204	2770	5710
	NN3096	0	3	480	700	165	211	2770	5710
	NN3196	1	3	480	790	248	483	4410	8430
	NN3196 K	1	3	480	790	248	469	4410	8430
500	NN30/500 K	0	3	500	720	167	210	2970	6160
	NN30/500	0	3	500	720	167	217	2970	6160
560	NN49/560	9	4	560	750	190	231	3190	7940
	NN49/560 K	9	4	560	750	190	224	3190	7940
600	NN30/600 K	0	3	600	870	200	377	3940	8450
	NN30/600	0	3	600	870	200	388	3940	8450

Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	P51	P41	
1100	1300	↗	↗	↗	↗	↗	NN3064
-	-	↗	↗	↗	↗	↗	NN3164
-	-	↗	↗	↗	↗	↗	NN3164 K
1100	1300	↗	↗	↗	↗	↗	NN3068 K
1100	1300	↗	↗	↗	↗	↗	NN3068
-	-	↗	↗	↗	↗	↗	NN4872
-	-	↗	↗	↗	↗	↗	NN4872 K
-	-	↗	↗	↗	↗	↗	NN3972
-	-	↗	↗	↗	↗	↗	NN3972 K
1000	1200	↗	↗	↗	↗	↗	NN3072 K
1000	1200	↗	↗	↗	↗	↗	NN3072
-	-	↗	↗	↗	↗	↗	NN3172
-	-	↗	↗	↗	↗	↗	NN3172 K
940	1100	↗	↗	↗	↗	↗	NN3076 K
940	1100	↗	↗	↗	↗	↗	NN3076
-	-	↗	↗	↗	↗	↗	NN3176
-	-	↗	↗	↗	↗	↗	NN3176 K
-	-	↗	↗	↗	↗	↗	NN3980
-	-	↗	↗	↗	↗	↗	NN3980 K
880	1000	↗	↗	↗	↗	↗	NN3080 K
880	1000	↗	↗	↗	↗	↗	NN3080
-	-	↗	↗	↗	↗	↗	NN3984
-	-	↗	↗	↗	↗	↗	NN3984 K
840	990	↗	↗	↗	↗	↗	NN3084 K
840	990	↗	↗	↗	↗	↗	NN3084
-	-	↗	↗	↗	↗	↗	NN3184
-	-	↗	↗	↗	↗	↗	NN3184 K
800	940	↗	↗	↗	↗	↗	NN3088 K
800	940	↗	↗	↗	↗	↗	NN3088
-	-	↗	↗	↗	↗	↗	NN4992
-	-	↗	↗	↗	↗	↗	NN4992 K
750	890	↗	↗	↗	↗	↗	NN3092 K
750	890	↗	↗	↗	↗	↗	NN3092
540	650	↗	↗	↗	↗	↗	NN3096 K
540	650	↗	↗	↗	↗	↗	NN3096
-	-	↗	↗	↗	↗	↗	NN3196
-	-	↗	↗	↗	↗	↗	NN3196 K
-	-	↗	↗	↗	↗	↗	NN30/500 K
-	-	↗	↗	↗	↗	↗	NN30/500
-	-	↗	↗	↗	↗	↗	NN49/560
-	-	↗	↗	↗	↗	↗	NN49/560 K
-	-	↗	↗	↗	↗	↗	NN30/600 K
-	-	↗	↗	↗	↗	↗	NN30/600



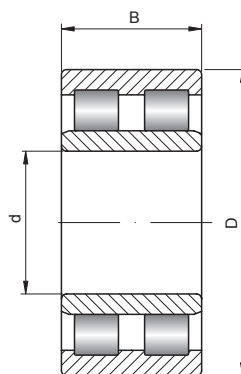
* Other products also available

5. CYLINDRICAL ROLLER BEARINGS

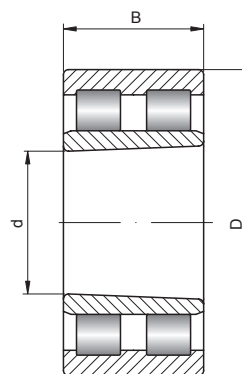
5.8. Multi-row cylindrical roller bearings
- types - NNU, NNU..K



60 – 130 mm



NNU..



NNU.. K

Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
60	NNU6012	0	6	60	95	63	1,81	122	240
	NNU6012 V	0	6	60	95	63	1,86	189	425
65	NNU6013	0	6	65	100	63	1,93	127,5	258
	NNU6013 V	0	6	65	100	63	1,98	196	450
70	NNU6014	0	6	70	110	71	2,77	159,5	331
	NNU6014 V	0	6	70	110	71	2,83	244	570
75	NNU6015	0	6	75	115	71	2,89	168	360
	NNU6015 V	0	6	75	115	71	2,95	250	610
80	NNU6016	0	6	80	125	80	3,95	209	380
	NNU6016 V	0	6	80	125	80	4,03	312	760
85	NNU6017	0	6	85	130	80	4,16	212	460
	NNU6017 V	0	6	85	130	80	4,24	319	775
90	NNU6018	0	6	90	140	90	5,54	255	550
	NNU6018 V	0	6	90	140	90	5,65	358	950
95	NNU6019	0	6	95	145	90	5,79	265	560
	NNU6019 V	0	6	95	145	90	6,14	388	975
100	NNU4920	9	4	100	140	40	1,83	131	260
	NNU4920 K	9	4	100	140	40	1,75	131	260
	NNU4920 KV	9	4	100	140	40	1,78	192	434
	NNU4920 V	9	4	100	140	40	1,86	192	434
	NNU6020	0	6	100	150	90	6,04	269	610
	NNU6020 V	0	6	100	150	90	6,14	404	1020
105	NNU4921	9	4	105	145	40	1,91	133	268
	NNU4921 K	9	4	105	145	40	1,82	133	268
	NNU4921 KV	9	4	105	145	40	1,85	195	448
	NNU4921 V	9	4	105	145	40	1,94	195	448
	NNU6021	0	6	105	160	100	7,81	308	680
	NNU6021 V	0	6	105	160	100	7,96	458	1150
110	NNU4922	9	4	110	150	40	1,99	137	284
	NNU4922 K	9	4	110	150	40	1,9	137	284
	NNU4922 KV	9	4	110	150	40	1,93	201	474
	NNU4922 V	9	4	110	150	40	2,02	201	474
	NNU6022	0	6	110	170	109	9,86	356	790
	NNU6022 V	0	6	110	170	109	10,00	528	1320
120	NNU4924	9	4	120	165	45	2,75	183	360
	NNU4924 K	9	4	120	165	45	2,63	183	360
	NNU4924 KV	9	4	120	165	45	2,67	268	601
	NNU4924 V	9	4	120	165	45	2,79	268	601
	NNU6024	0	6	120	180	109	10,50	372	850
	NNU6024 V	0	6	120	180	109	10,70	555	1430
130	NNU4926	9	4	130	180	50	3,69	220	440
	NNU4926 K	9	4	130	180	50	3,52	220	440
	NNU4926 KV	9	4	130	180	50	3,57	322	735
	NNU4926 V	9	4	130	180	50	3,75	322	735

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Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C2	C3	
-	-	☞	☞	☞	☞	☞	NNU6012
-	-	☞	☞	☞	☞	☞	NNU6012 V
-	-	☞	☞	☞	☞	☞	NNU6013
-	-	☞	☞	☞	☞	☞	NNU6013 V
-	-	☞	☞	☞	☞	☞	NNU6014
-	-	☞	☞	☞	☞	☞	NNU6014 V
-	-	☞	☞	☞	☞	☞	NNU6015
-	-	☞	☞	☞	☞	☞	NNU6015 V
-	-	☞	☞	☞	☞	☞	NNU6016
-	-	☞	☞	☞	☞	☞	NNU6016 V
-	-	☞	☞	☞	☞	☞	NNU6017
-	-	☞	☞	☞	☞	☞	NNU6017 V
-	-	☞	☞	☞	☞	☞	NNU6018
-	-	☞	☞	☞	☞	☞	NNU6018 V
-	-	☞	☞	☞	☞	☞	NNU6019
-	-	☞	☞	☞	☞	☞	NNU6019 V
4300	5100	☺	☺	☞	☺	☺	NNU4920
4300	5100	☺	☺	☞	☺	☺	NNU4920 K
-	-	☺	☺	☞	☺	☺	NNU4920 KV
-	-	☺	☺	☞	☺	☺	NNU4920 V
-	-	☞	☞	☞	☞	☞	NNU6020
-	-	☞	☞	☞	☞	☞	NNU6020 V
4100	4800	☺	☺	☞	☺	☺	NNU4921
4100	4800	☺	☺	☞	☺	☺	NNU4921 K
-	-	☺	☺	☞	☺	☺	NNU4921 KV
-	-	☺	☺	☞	☺	☺	NNU4921 V
-	-	☞	☞	☞	☞	☞	NNU6021
-	-	☞	☞	☞	☞	☞	NNU6021 V
3900	4600	☺	☺	☞	☺	☺	NNU4922
3900	4600	☺	☺	☞	☺	☺	NNU4922 K
-	-	☺	☺	☞	☺	☺	NNU4922 KV
-	-	☺	☺	☞	☺	☺	NNU4922 V
-	-	☞	☞	☞	☞	☞	NNU6022
-	-	☞	☞	☞	☞	☞	NNU6022 V
3600	4200	☺	☺	☞	☺	☺	NNU4924
3600	4200	☺	☺	☞	☺	☺	NNU4924 K
-	-	☺	☺	☞	☺	☺	NNU4924 KV
-	-	☺	☺	☞	☺	☺	NNU4924 V
-	-	☞	☞	☞	☞	☞	NNU6024
-	-	☞	☞	☞	☞	☞	NNU6024 V
3300	3900	☺	☺	☞	☺	☺	NNU4926
3300	3900	☺	☺	☞	☺	☺	NNU4926 K
-	-	☺	☺	☞	☺	☺	NNU4926 KV
-	-	☺	☺	☞	☺	☺	NNU4926 V

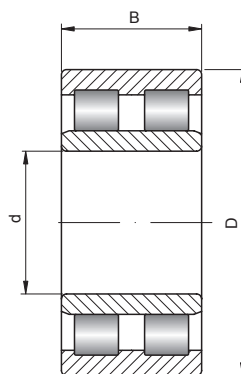
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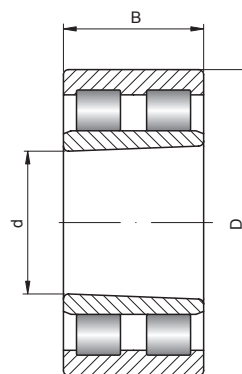
5. CYLINDRICAL ROLLER BEARINGS

5.8. Multi-row cylindrical roller bearings
- types - NNU, NNU..K

130 – 220 mm



NNU..



NNU.. K

Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
130 cont.	NNU6026	0	6	130	200	125	15,60	490	1100
	NNU6026 V	0	6	130	200	125	15,80	726	1870
140	NNU4928	9	4	140	190	50	3,94	227	470
	NNU4928 K	9	4	140	190	50	3,76	227	470
	NNU4928 KV	9	4	140	190	50	3,82	332	785
	NNU4928 V	9	4	140	190	50	4,00	332	785
	NNU6028	0	6	140	210	125	16,60	517	1210
	NNU6028 V	0	6	140	210	125	16,80	748	1990
150	NNU4930	9	4	150	210	60	6,18	345	690
	NNU4930 K	9	4	150	210	60	5,9	345	690
	NNU4930 KV	9	4	150	210	60	5,99	505	1153
	NNU4930 V	9	4	150	210	60	6,27	505	1153
	NNU6030	0	6	150	225	136	20,70	587	1400
	NNU6030 V	0	6	150	225	136	20,90	850	2290
160	NNU4932	9	4	160	220	60	6,53	355	740
	NNU4932 K	9	4	160	220	60	6,23	355	740
	NNU4932 KV	9	4	160	220	60	6,32	520	1236
	NNU4932 V	9	4	160	220	60	6,63	520	1236
	NNU6032	0	6	160	240	145	25,10	669	1610
	NNU6032 V	0	6	160	240	145	25,40	968	2630
170	NNU4934	9	4	170	230	60	6,87	360	765
	NNU4934 K	9	4	170	230	60	6,55	360	765
	NNU4934 KV	9	4	170	230	60	6,65	527	1278
	NNU4934 V	9	4	170	230	60	6,97	527	1278
	NNU6034	0	6	170	260	160	33,70	797	1900
	NNU6034 V	0	6	170	260	160	34,10	1150	3110
180	NNU4936	9	4	180	250	69	2	460	965
	NNU4936 K	9	4	180	250	69	9,9	460	965
	NNU4936 KV	9	4	180	250	69	10,05	674	1612
	NNU4936 V	9	4	180	250	69	2,03	674	1612
	NNU6036	0	6	180	280	180	44,80	968	2360
	NNU6036 V	0	6	180	280	180	45,40	1380	3790
190	NNU4938	9	4	190	260	69	10,4	475	1030
	NNU4938 K	9	4	190	260	69	9,94	475	1030
	NNU4938 KV	9	4	190	260	69	10,09	696	1720
	NNU4938 V	9	4	190	260	69	10,56	696	1720
	NNU6038	0	6	190	290	180	46,80	990	2450
	NNU6038 V	0	6	190	290	180	47,30	1440	3990
200	NNU4940	9	4	200	280	80	14,7	555	1180
	NNU4940 K	9	4	200	280	80	14	555	1180
	NNU4940 KV	9	4	200	280	80	14,21	813	1971
	NNU4940 V	9	4	200	280	80	14,92	813	1971
	NNU6040	0	6	200	310	200	61,00	1180	2890
	NNU6040 V	0	6	200	310	200	61,20	1670	4640
220	NNU4944	9	4	220	300	80	15,9	585	1300
	NNU4944 K	9	4	220	300	80	15,2	585	1300
	NNU4944 KV	9	4	220	300	80	15,43	857	2171
	NNU4944 V	9	4	220	300	80	16,14	857	2171

Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C2	C3	
-	-	↻	↻	↻	↻	↻	NNU6026
-	-	↻	↻	↻	↻	↻	NNU6026 V
3000	3600	⊕	⊕	↻	⊕	⊕	NNU4928
3000	3600	⊕	⊕	↻	⊕	⊕	NNU4928 K
-	-	⊕	⊕	↻	⊕	⊕	NNU4928 KV
-	-	⊕	⊕	↻	⊕	⊕	NNU4928 V
-	-	↻	↻	↻	↻	↻	NNU6028
-	-	↻	↻	↻	↻	↻	NNU6028 V
2800	3300	⊕	⊕	↻	⊕	⊕	NNU4930
2800	3300	⊕	⊕	↻	⊕	⊕	NNU4930 K
-	-	⊕	⊕	↻	⊕	⊕	NNU4930 KV
-	-	⊕	⊕	↻	⊕	⊕	NNU4930 V
-	-	↻	↻	↻	↻	↻	NNU6030
-	-	↻	↻	↻	↻	↻	NNU6030 V
2600	3100	⊕	⊕	↻	⊕	⊕	NNU4932
2600	3100	⊕	⊕	↻	⊕	⊕	NNU4932 K
-	-	⊕	⊕	↻	⊕	⊕	NNU4932 KV
-	-	⊕	⊕	↻	⊕	⊕	NNU4932 V
-	-	↻	↻	↻	↻	↻	NNU6032
-	-	↻	↻	↻	↻	↻	NNU6032 V
2500	2900	⊕	⊕	↻	⊕	⊕	NNU4934
2500	2900	⊕	⊕	↻	⊕	⊕	NNU4934 K
-	-	⊕	⊕	↻	⊕	⊕	NNU4934 KV
-	-	⊕	⊕	↻	⊕	⊕	NNU4934 V
-	-	↻	↻	↻	↻	↻	NNU6034
-	-	↻	↻	↻	↻	↻	NNU6034 V
2300	2700	⊕	⊕	↻	⊕	⊕	NNU4936
2300	2700	⊕	⊕	↻	⊕	⊕	NNU4936 K
-	-	⊕	⊕	↻	⊕	⊕	NNU4936 KV
-	-	⊕	⊕	↻	⊕	⊕	NNU4936 V
-	-	↻	↻	↻	↻	↻	NNU6036
-	-	↻	↻	↻	↻	↻	NNU6036 V
2200	2600	⊕	⊕	↻	⊕	⊕	NNU4938
2200	2600	⊕	⊕	↻	⊕	⊕	NNU4938 K
-	-	⊕	⊕	↻	⊕	⊕	NNU4938 KV
-	-	⊕	⊕	↻	⊕	⊕	NNU4938 V
-	-	↻	↻	↻	↻	↻	NNU6038
-	-	↻	↻	↻	↻	↻	NNU6038 V
2100	2400	⊕	⊕	↻	⊕	⊕	NNU4940
2100	2400	⊕	⊕	↻	⊕	⊕	NNU4940 K
-	-	⊕	⊕	↻	⊕	⊕	NNU4940 KV
-	-	⊕	⊕	↻	⊕	⊕	NNU4940 V
-	-	↻	↻	↻	↻	↻	NNU6040
-	-	↻	↻	↻	↻	↻	NNU6040 V
1900	2200	↻	↻	↻	↻	↻	NNU4944
1900	2200	↻	↻	↻	↻	↻	NNU4944 K
-	-	↻	↻	↻	↻	↻	NNU4944 KV
-	-	↻	↻	↻	↻	↻	NNU4944 V

* Other products also available

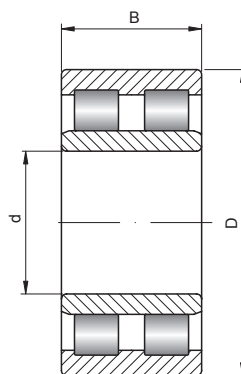


5. CYLINDRICAL ROLLER BEARINGS

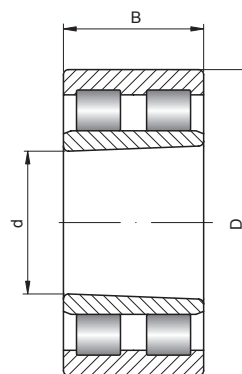
5.8. Multi-row cylindrical roller bearings
- types - NNU, NNU..K



220 – 400 mm



NNU..



NNU.. K

Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
220 cont.	NNU6044	0	6	220	340	218	79,90	1380	3480
	NNU6044 V	0	6	220	340	218	80,40	1980	5570
240	NNU4948	9	4	240	320	80	17,2	610	1410
	NNU4948 K	9	4	240	320	80	16,4	610	1410
	NNU4948 KV	9	4	240	320	80	16,65	893	2355
	NNU4948 V	9	4	240	320	80	17,46	893	2355
	NNU6048	0	6	240	360	218	85,40	1430	3720
	NNU6048 V	0	6	240	360	218	86,10	2090	6070
260	NNU4952	9	4	260	360	100	29,6	900	2070
	NNU4952 K	9	4	260	360	100	28,3	900	2070
	NNU4952 KV	9	4	260	360	100	28,73	1318	3458
	NNU4952 V	9	4	260	360	100	30,05	1318	3458
	NNU6052	0	6	260	400	250	126,00	1850	4760
	NNU6052 V	0	6	260	400	250	127,00	2630	7580
280	NNU4956	9	4	280	380	100	31,6	925	2200
	NNU4956 K	9	4	280	380	100	30,2	925	2200
	NNU4956 KV	9	4	280	380	100	30,66	1355	3675
	NNU4956 V	9	4	280	380	100	32,08	1355	3675
	NNU6056	0	6	280	420	250	134,00	1920	5100
	NNU6056 V	0	6	280	420	250	134,00	2730	8000
300	NNU4960	9	4	300	420	118	48,6	1200	2800
	NNU4960 K	9	4	300	420	118	46,4	1200	2800
	NNU4960 KV	9	4	300	420	118	47,10	1757	4677
	NNU4960 V	9	4	300	420	118	49,33	1757	4677
	NNU6060	0	6	300	460	290	193,00	2390	6320
	NNU6060 V	0	6	300	460	290	193,00	3400	10000
320	NNU4964	9	4	320	440	118	51,4	1240	2970
	NNU4964 K	9	4	320	440	118	49,1	1240	2970
	NNU4964 KV	9	4	320	440	118	49,84	1816	4961
	NNU4964 V	9	4	320	440	118	52,18	1816	4961
	NNU6064	0	6	320	480	290	203,00	2500	6730
	NNU6064 V	0	6	320	480	290	203,00	3540	10500
340	NNU4968	9	4	340	460	118	54,2	1280	3150
	NNU4968 K	9	4	340	460	118	51,7	1280	3150
	NNU4968 KV	9	4	340	460	118	52,48	1874	5261
	NNU4968 V	9	4	340	460	118	55,02	1874	5261
360	NNU4972	9	4	360	480	118	57,00	1290	3250
	NNU4972 K	9	4	360	480	118	54,4	1290	3250
	NNU4972 KV	9	4	360	480	118	55,22	1889	5428
	NNU4972 V	9	4	360	480	118	57,86	1889	5428
380	NNU4976	9	4	380	520	140	84,5	1630	4050
	NNU4976 K	9	4	380	520	140	80,6	1630	4050
	NNU4976 KV	9	4	380	520	140	81,82	2387	6765
	NNU4976 V	9	4	380	520	140	85,78	2387	6765
400	NNU4980	9	4	400	540	140	88,2	1690	4300
	NNU4980 K	9	4	400	540	140	84,1	1690	4300
	NNU4980 KV	9	4	400	540	140	85,37	2475	7182

Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C2	C3	
-	-	↗	↗	↗	↗	↗	NNU6044
-	-	↗	↗	↗	↗	↗	NNU6044 V
1700	2000	↗	↗	↗	↗	↗	NNU4948
1700	2000	↗	↗	↗	↗	↗	NNU4948 K
-	-	↗	↗	↗	↗	↗	NNU4948 KV
-	-	↗	↗	↗	↗	↗	NNU4948 V
-	-	↗	↗	↗	↗	↗	NNU6048
-	-	↗	↗	↗	↗	↗	NNU6048 V
1600	1800	↗	↗	↗	↗	↗	NNU4952
1600	1800	↗	↗	↗	↗	↗	NNU4952 K
-	-	↗	↗	↗	↗	↗	NNU4952 KV
-	-	↗	↗	↗	↗	↗	NNU4952 V
-	-	↗	↗	↗	↗	↗	NNU6052
-	-	↗	↗	↗	↗	↗	NNU6052 V
1400	1700	↗	↗	↗	↗	↗	NNU4956
1400	1700	↗	↗	↗	↗	↗	NNU4956 K
-	-	↗	↗	↗	↗	↗	NNU4956 KV
-	-	↗	↗	↗	↗	↗	NNU4956 V
-	-	↗	↗	↗	↗	↗	NNU6056
-	-	↗	↗	↗	↗	↗	NNU6056 V
1300	1500	↗	↗	↗	↗	↗	NNU4960
1300	1500	↗	↗	↗	↗	↗	NNU4960 K
-	-	↗	↗	↗	↗	↗	NNU4960 KV
-	-	↗	↗	↗	↗	↗	NNU4960 V
-	-	↗	↗	↗	↗	↗	NNU6060
-	-	↗	↗	↗	↗	↗	NNU6060 V
1200	1400	↗	↗	↗	↗	↗	NNU4964
1200	1400	↗	↗	↗	↗	↗	NNU4964 K
-	-	↗	↗	↗	↗	↗	NNU4964 KV
-	-	↗	↗	↗	↗	↗	NNU4964 V
-	-	↗	↗	↗	↗	↗	NNU6064
-	-	↗	↗	↗	↗	↗	NNU6064 V
1100	1300	↗	↗	↗	↗	↗	NNU4968
1100	1300	↗	↗	↗	↗	↗	NNU4968 K
-	-	↗	↗	↗	↗	↗	NNU4968 KV
-	-	↗	↗	↗	↗	↗	NNU4968 V
1100	1300	↗	↗	↗	↗	↗	NNU4972
1100	1300	↗	↗	↗	↗	↗	NNU4972 K
-	-	↗	↗	↗	↗	↗	NNU4972 KV
-	-	↗	↗	↗	↗	↗	NNU4972 V
1000	1200	↗	↗	↗	↗	↗	NNU4976
1000	1200	↗	↗	↗	↗	↗	NNU4976 K
-	-	↗	↗	↗	↗	↗	NNU4976 KV
-	-	↗	↗	↗	↗	↗	NNU4976 V
940	1100	↗	↗	↗	↗	↗	NNU4980
940	1100	↗	↗	↗	↗	↗	NNU4980 K
-	-	↗	↗	↗	↗	↗	NNU4980 KV

* Other products also available

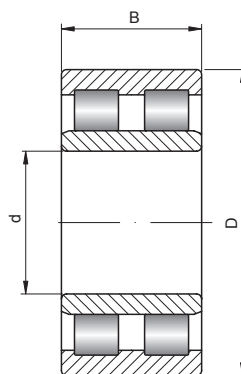


5. CYLINDRICAL ROLLER BEARINGS

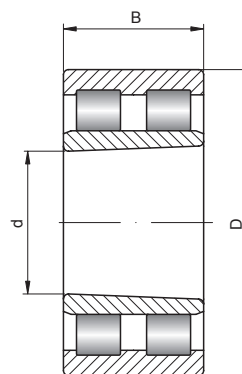
5.8. Multi-row cylindrical roller bearings
- types - NNU, NNU..K



400 – 500 mm



NNU..



NNU.. K

Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
400 cont.	NNU4980 V	9	4	400	540	140	89,53	2475	7182
420	NNU4984	9	4	420	560	140	92,00	1740	4500
	NNU4984 K	9	4	420	560	140	87,7	1740	4500
	NNU4984 KV	9	4	420	560	140	89,03	2548	7516
	NNU4984 V	9	4	420	560	140	93,39	2548	7516
	NNU4184	1	4	420	700	280	406,99	6700	9800
440	NNU4988	9	4	440	600	160	127,00	2150	5550
	NNU4988 K	9	4	440	600	160	121,00	2150	5550
	NNU4988 KV	9	4	440	600	160	122,83	3148	9270
	NNU4988 V	9	4	440	600	160	128,92	3148	9270
460	NNU4992	9	4	460	620	160	132,00	2220	5850
	NNU4992 K	9	4	460	620	160	126,00	2220	5850
	NNU4992 KV	9	4	460	620	160	127,90	3251	9771
	NNU4992 V	9	4	460	620	160	133,99	3251	9771
480	NNU4996	9	4	480	650	170	156,00	2280	5900
	NNU4996 K	9	4	480	650	170	149,00	2280	5900
	NNU4996 KV	9	4	480	650	170	151,25	3339	9855
	NNU4996 V	9	4	480	650	170	158,36	3339	9855
500	NNU49/500	9	4	500	670	170	162,00	2360	6200
	NNU49/500 K	9	4	500	670	170	162,00	2360	6200
	NNU49/500 KV	9	4	500	670	170	164,45	3456	10356
	NNU49/500 V	9	4	500	670	170	164,45	3456	10356

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Limiting speed [rpm]		Basic makes*					Bearing No.
grease	oil	-	M	TV	C2	C3	
-	-	↗	↗	↗	↗	↗	NNU4980 V
900	1100	↗	↗	↗	↗	↗	NNU4984
900	1100	↗	↗	↗	↗	↗	NNU4984 K
-	-	↗	↗	↗	↗	↗	NNU4984 KV
-	-	↗	↗	↗	↗	↗	NNU4984 V
-	-	↗	↗	↗	↗	↗	NNU4184
850	1000	↗	↗	↗	↗	↗	NNU4988
850	1000	↗	↗	↗	↗	↗	NNU4988 K
-	-	↗	↗	↗	↗	↗	NNU4988 KV
-	-	↗	↗	↗	↗	↗	NNU4988 V
800	950	↗	↗	↗	↗	↗	NNU4992
800	950	↗	↗	↗	↗	↗	NNU4992 K
-	-	↗	↗	↗	↗	↗	NNU4992 KV
-	-	↗	↗	↗	↗	↗	NNU4992 V
770	910	↗	↗	↗	↗	↗	NNU4996
770	910	↗	↗	↗	↗	↗	NNU4996 K
-	-	↗	↗	↗	↗	↗	NNU4996 KV
-	-	↗	↗	↗	↗	↗	NNU4996 V
730	860	↗	↗	↗	↗	↗	NNU49/500
730	860	↗	↗	↗	↗	↗	NNU49/500 K
-	-	↗	↗	↗	↗	↗	NNU49/500 KV
-	-	↗	↗	↗	↗	↗	NNU49/500 V

* Other products also available

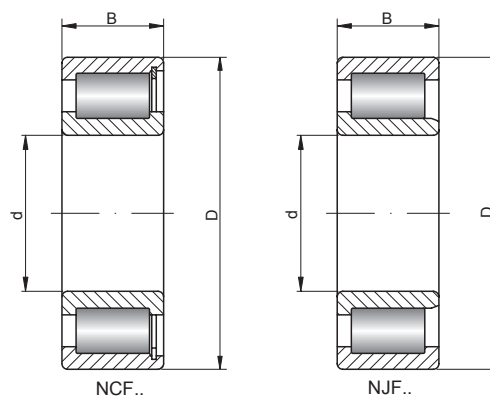


5. CYLINDRICAL ROLLER BEARINGS

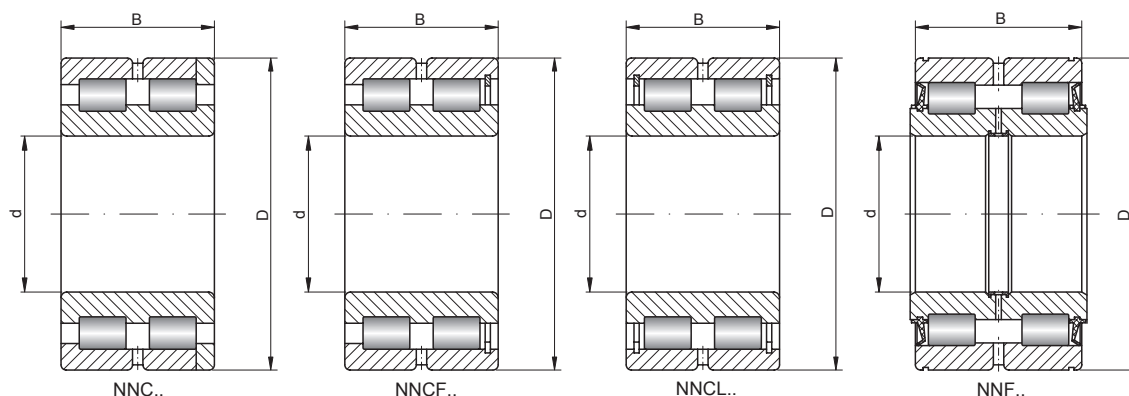
5.9. Cageless cylindrical roller bearings
- types - NCF, NJF, NNC, NNCF, NNCL, NNF



20 – 60 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
20	NCF3004 V	0	3	20	42	16	0,1100	27,5	26,5
	NNCF5004 V	0	5	20	42	30	0,2000	47,5	53
	NNF5004 V	0	5	20	42	30	0,2000	40,5	49
	NCF2204 V	2	2	20	47	18	0,1600	41	37,5
25	NCF3005 V	0	3	25	47	16	0,1200	31,5	32,5
	NNCF5005 V	0	5	25	47	30	0,2300	54	65
	NNF5005 V	0	5	25	47	30	0,2400	44,5	58
	NCF2205 V	2	2	25	52	18	0,1800	46	45
	NJF2305 V	3	2	25	62	24	0,3700	65	60
30	NCF3006 V	0	3	30	55	19	0,2000	40,5	43
	NNCF5006 V	0	5	30	55	34	0,3500	70	86
	NNF5006 V	0	5	30	55	34	0,3700	50	67
	NCF2206 V	2	2	30	62	20	0,3000	63	65
	NJF2306 V	3	2	30	72	27	0,5600	89	88
35	NCF3007 V	0	3	35	62	20	0,2600	49,5	55
	NNCF5007 V	0	5	35	62	36	0,4600	85	109
	NNF5007 V	0	5	35	62	36	0,4800	63	88
	NCF2207 V	2	2	35	72	23	0,4400	79	79
	NJF2307 V	3	2	35	80	31	0,7400	113	112
40	NCF3008 V	0	3	40	68	21	0,3100	59	68
	NNCF5008 V	0	5	40	68	38	0,5600	101	136
	NNF5008 V	0	5	40	68	38	0,5600	76	103
	NCF2208 V	2	2	40	80	23	0,5500	87	83
	NJF2308 V	3	2	40	90	33	1,0100	152	156
45	NCF3009 V	0	3	45	75	23	0,4000	63	76
	NNCF5009 V	0	5	45	75	40	0,7100	108	151
	NNF5009 V	0	5	45	75	40	0,7000	92	130
	NCF2209 V	2	2	45	85	23	0,5900	90	99
	NJF2309 V	3	2	45	100	36	1,3700	162	172
50	NCF3010 V	0	3	50	80	23	0,4300	79	96
	NNCF5010 V	0	5	50	80	40	0,7600	135	191
	NNF5010 V	0	5	50	80	40	0,7600	97	142
	NCF2210 V	2	2	50	90	23	0,6400	97	113
	NJF2310 V	3	2	50	110	40	1,8100	208	219
55	NCF3011 V	0	3	55	90	26	0,6400	107	138
	NNCF5011 V	0	5	55	90	46	1,1600	184	275
	NNF5011 V	0	5	55	90	46	1,1800	115	175
	NCF2211 V	2	2	55	100	25	0,8700	125	150
	NJF2311 V	3	2	55	120	43	2,2800	242	255
60	NCF2912 V	9	2	60	85	16	0,2900	57	78
	NNC4912 V	9	4	60	85	25	0,4900	71	125
	NNCL4912 V	9	4	60	85	25	0,4700	71	125
	NCF3012 V	0	3	60	95	26	0,6900	110	145
	NNCF5012 V	0	5	60	95	46	1,2400	189	290
	NNF5012 V	0	5	60	95	46	1,2600	120	189
	NCF2212 V	2	2	60	110	28	1,1800	152	180
	NJF2312 V	3	2	60	130	46	2,8800	260	280



Rotational speed [rpm]		Equivalent	Basic makes*			Bearing No.
reference	limiting		-	MSP	MUP	
9000	10000	SL183004	↗	↗	↗	NCF3004 V
9000	10000	SL185004	↗	↗	↗	NNCF5004 V
2400	4000	SL045004	↗	↗	↗	NNF5004 V
8000	9500	SL182204	↗	↗	↗	NCF2204 V
7000	9000	SL183005	↗	↗	↗	NCF3005 V
7000	9000	SL185005	↗	↗	↗	NNCF5005 V
2160	3600	SL045005	↗	↗	↗	NNF5005 V
6500	8500	SL182205	↗	↗	↗	NCF2205 V
5500	7500	SL192305	↗	↗	↗	NJF2305 V
6500	7500	SL183006	↗	↗	↗	NCF3006 V
6500	7500	SL185006	↗	↗	↗	NNCF5006 V
1800	3000	SL045006	↗	↗	↗	NNF5006 V
5500	7000	SL182206	↗	↗	↗	NCF2206 V
4900	6500	SL192306	↗	↗	↗	NJF2306 V
6000	6500	SL183007	↗	↗	↗	NCF3007 V
5500	6500	SL185007	↗	↗	↗	NNCF5007 V
1560	2600	SL045007	↗	↗	↗	NNF5007 V
5000	6000	SL182207	↗	↗	↗	NCF2207 V
4300	5500	SL192307	↗	↗	↗	NJF2307 V
5000	6000	SL183008	↗	↗	↗	NCF3008 V
5000	6000	SL185008	↗	↗	↗	NNCF5008 V
1440	2400	SL045008	↗	↗	↗	NNF5008 V
4400	5500	SL182208	↗	↗	↗	NCF2208 V
3600	5000	SL192308	↗	↗	↗	NJF2308 V
5000	5500	SL183009	↗	↗	↗	NCF3009 V
4700	5500	SL185009	↗	↗	↗	NNCF5009 V
1320	2200	SL045009	↗	↗	↗	NNF5009 V
4200	5000	SL182209	↗	↗	↗	NCF2209 V
3700	4500	SL192309	↗	↗	↗	NJF2309 V
4500	5000	SL183010	↗	↗	↗	NCF3010 V
4200	5000	SL185010	↗	↗	↗	NNCF5010 V
1200	2000	SL045010	↗	↗	↗	NNF5010 V
3600	4600	SL182210	↗	↗	↗	NCF2210 V
3400	4100	SL192310	↗	↗	↗	NJF2310 V
3800	4500	SL183011	↗	↗	↗	NCF3011 V
3600	4500	SL185011	↗	↗	↗	NNCF5011 V
1080	1800	SL045011	↗	↗	↗	NNF5011 V
3300	4200	SL182211	↗	↗	↗	NCF2211 V
3100	3700	SL192311	↗	↗	↗	NJF2311 V
3500	4500	SL182912	↗	↗	↗	NCF2912 V
3200	4500	SL014912	↗	↗	↗	NNC4912 V
3200	4500	SL024912	↗	↗	↗	NNCL4912 V
3600	4200	SL183012	↗	↗	↗	NCF3012 V
3400	4200	SL185012	↗	↗	↗	NNCF5012 V
1020	1700	SL045012	↗	↗	↗	NNF5012 V
3100	3800	SL182212	↗	↗	↗	NCF2212 V
2900	3400	SL192312	↗	↗	↗	NJF2312 V

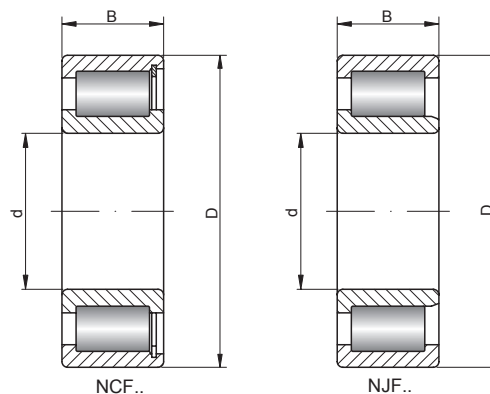


5. CYLINDRICAL ROLLER BEARINGS

5.9. Cageless cylindrical roller bearings
- types - NCF, NJF, NNC, NNCF, NNCL, NNF

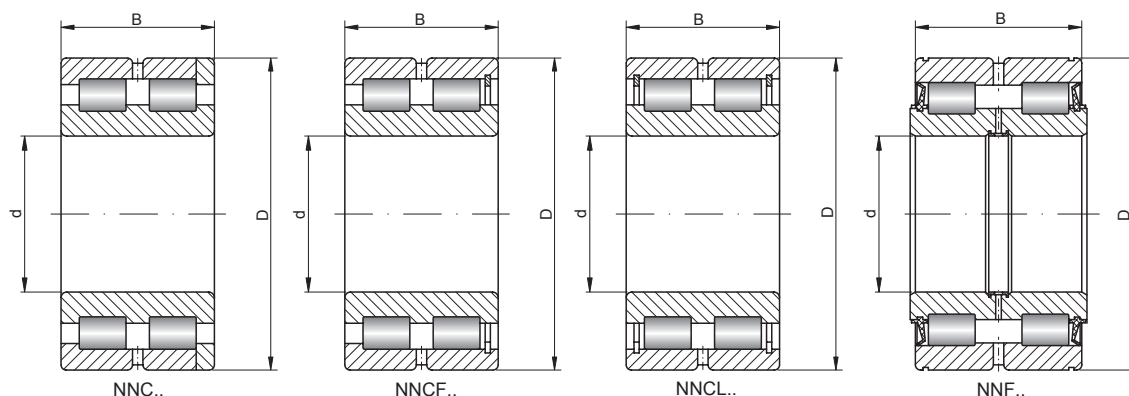


65 – 100 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
65	NCF2913 V	9	2	65	90	16	0,3100	60	86
	NCF3013 V	0	3	65	100	26	0,7300	116	159
	NNCF5013 V	0	5	65	100	46	1,3200	199	320
	NNF5013 V	0	5	65	100	46	1,3300	125	203
	NCF2213 V	2	2	65	120	31	1,5700	178	214
	NJF2313 V	3	2	65	140	48	3,5200	315	355
70	NCF2914 V	9	2	70	100	19	0,4900	79	114
	NNC4914 V	9	4	70	100	30	0,7800	108	189
	NNCL4914 V	9	4	70	100	30	0,7500	108	189
	NCF3014 V	0	3	70	110	30	1,0200	137	176
	NNCF5014 V	0	5	70	110	54	1,8500	235	355
	NNF5014 V	0	5	70	110	54	1,8700	168	265
	NCF2214 V	2	2	70	125	31	1,6600	184	227
	NJF2314 V	3	2	70	150	51	4,3300	345	390
75	NCF2915 V	9	2	75	105	19	0,5200	81	121
	NCF3015 V	0	3	75	115	30	1,0600	145	194
	NNCF5015 V	0	5	75	115	54	1,9300	248	390
	NNF5015 V	0	5	75	115	54	1,9600	194	300
	NCF2215 V	2	2	75	130	31	1,7500	190	241
	NJF2315 V	3	2	75	160	55	5,3000	410	475
80	NCF2916 V	9	2	80	110	19	0,5500	84	129
	NNC4916 V	9	4	80	110	30	0,8800	115	211
	NNCL4916 V	9	4	80	110	30	0,8500	115	211
	NCF3016 V	0	3	80	125	34	1,4300	173	225
	NNCF5016 V	0	5	80	125	60	2,5900	295	450
	NNF5016 V	0	5	80	125	60	2,7100	203	325
	NCF2216 V	2	2	80	140	33	2,1500	226	285
	NJF2316 V	3	2	80	170	58	6,3200	480	560
85	NCF2917 V	9	2	85	120	22	0,8100	105	162
	NCF3017 V	0	3	85	130	34	1,5100	178	237
	NNCF5017 V	0	5	85	130	60	2,7200	305	475
	NNF5017 V	0	5	85	130	60	2,8300	211	350
	NCF2217 V	2	2	85	150	36	2,7400	255	325
	NJF2317 V	3	2	85	180	60	7,3400	510	620
90	NCF2918 V	9	2	90	125	22	0,8400	109	172
	NNC4918 V	9	4	90	125	35	1,3500	155	295
	NNCL4918 V	9	4	90	125	35	1,3000	155	295
	NCF3018 V	0	3	90	140	37	1,9700	208	280
	NNCF5018 V	0	5	90	140	67	3,6200	355	560
	NNF5018 V	0	5	90	140	67	3,7100	305	510
	NCF2218 V	2	2	90	160	40	3,4800	290	370
	NJF2318 V	3	2	90	190	64	8,8300	560	660
95	NCF2919 V	9	2	95	130	22	0,8600	118	179
	NNF5019 V	0	5	95	145	67	3,8800	315	530
	NCF2219 V	2	2	95	170	43	4,1700	340	435
	NJF2319 V	3	2	95	200	67	10,2000	580	720
100	NCF2920 V	9	2	100	140	24	1,1400	136	206
	NNC4920 V	9	4	100	140	40	1,9500	196	380
	NNCL4920 V	9	4	100	140	40	1,9000	196	380

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Rotational speed [rpm]		Equivalent	Basic makes*			Bearing No.
reference	limiting		-	MSP	MUP	
3100	4200	SL182913	↗	↗	↗	NCF2913 V
3300	3900	SL183013	↗	↗	↗	NCF3013 V
3100	3900	SL185013	↗	↗	↗	NNCF5013 V
960	1600	SL045013	↗	↗	↗	NNF5013 V
3000	3500	SL182213	↗	↗	↗	NCF2213 V
2500	3200	SL192313	↗	↗	↗	NJF2313 V
3100	3800	SL182914	↗	↗	↗	NCF2914 V
2800	3800	SL014914	↗	↗	↗	NNC4914 V
2800	3800	SL024914	↗	↗	↗	NNCL4914 V
3400	3600	SL183014	↗	↗	↗	NCF3014 V
3100	3600	SL185014	↗	↗	↗	NNCF5014 V
840	1400	SL045014	↗	↗	↗	NNF5014 V
2800	3300	SL182214	↗	↗	↗	NCF2214 V
2400	2900	SL192314	↗	↗	↗	NJF2314 V
2900	3600	SL182915	↗	↗	↗	NCF2915 V
3000	3400	SL183015	↗	↗	↗	NCF3015 V
2700	3400	SL185015	↗	↗	↗	NNCF5015 V
840	1400	SL045015	↗	↗	↗	NNF5015 V
2700	3200	SL182215	↗	↗	↗	NCF2215 V
2100	2800	SL192315	↗	↗	↗	NJF2315 V
2700	3400	SL182916	↗	↗	↗	NCF2916 V
2500	3400	SL014916	↗	↗	↗	NNC4916 V
2500	3400	SL024916	↗	↗	↗	NNCL4916 V
3000	3200	SL183016	↗	↗	↗	NCF3016 V
2500	3200	SL185016	↗	↗	↗	NNCF5016 V
780	1300	SL045016	↗	↗	↗	NNF5016 V
2500	2900	SL182216	↗	↗	↗	NCF2216 V
1900	2600	SL192316	↗	↗	↗	NJF2316 V
2700	3200	SL182917	↗	↗	↗	NCF2917 V
2800	3000	SL183017	↗	↗	↗	NCF3017 V
2400	3000	SL185017	↗	↗	↗	NNCF5017 V
720	1200	SL045017	↗	↗	↗	NNF5017 V
2400	2800	SL182217	↗	↗	↗	NCF2217 V
1700	2400	SL192317	↗	↗	↗	NJF2317 V
2500	3000	SL182918	↗	↗	↗	NCF2918 V
2300	3000	SL014918	↗	↗	↗	NNC4918 V
2300	3000	SL024918	↗	↗	↗	NNCL4918 V
2700	2800	SL183018	↗	↗	↗	NCF3018 V
2200	2800	SL185018	↗	↗	↗	NNCF5018 V
660	1100	SL045018	↗	↗	↗	NNF5018 V
2100	2600	SL182218	↗	↗	↗	NCF2218 V
1800	2300	SL192318	↗	↗	↗	NJF2318 V
2400	2900	SL182919	↗	↗	↗	NCF2919 V
660	1100	SL045019	↗	↗	↗	NNF5019 V
2000	2400	SL182219	↗	↗	↗	NCF2219 V
1700	2200	SL192319	↗	↗	↗	NJF2319 V
2300	2700	SL182920	↗	↗	↗	NCF2920 V
2000	2700	SL014920	↗	↗	↗	NNC4920 V
2000	2700	SL024920	↗	↗	↗	NNCL4920 V

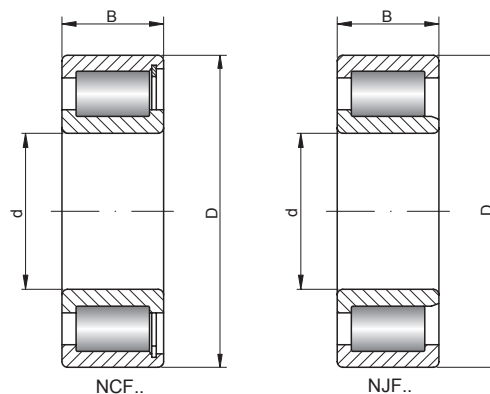


5. CYLINDRICAL ROLLER BEARINGS

5.9. Cageless cylindrical roller bearings
- types - NCF, NJF, NNC, NNCF, NNCL, NNF

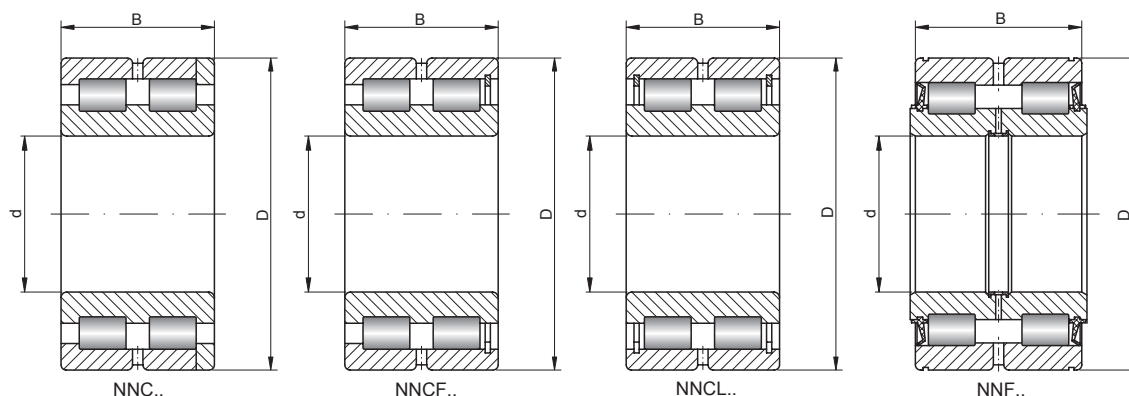


100 – 160 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
100 cont.	NCF3020 V	0	3	100	150	37	2,1500	219	310
	NNCF5020 V	0	5	100	150	67	3,9400	375	620
	NNF5020 V	0	5	100	150	67	3,9500	330	550
	NCF2220 V	2	2	100	180	46	5,1300	395	520
	NJF2320 V	3	2	100	215	73	13,0000	710	860
110	NCF2922 V	9	2	110	150	24	1,2300	140	220
	NNC4922 V	9	4	110	150	40	2,1500	204	410
	NNCL4922 V	9	4	110	150	40	2,1000	204	410
	NCF3022 V	0	3	110	170	45	3,5000	285	395
	NNCF5022 V	0	5	110	170	80	6,3200	490	790
	NNF5022 V	0	5	110	170	80	6,5700	395	680
	NCF2222 V	2	2	110	200	53	7,2400	455	590
120	NJF2322 V	3	2	110	240	80	17,0000	850	980
	NCF2924 V	9	2	120	165	27	1,7300	180	295
	NNC4924 V	9	4	120	165	45	2,9500	228	455
	NNCL4924 V	9	4	120	165	45	2,8500	228	455
	NCF3024 V	0	3	120	180	46	3,8000	300	435
	NNCF5024 V	0	5	120	180	80	6,7700	520	870
	NNF5024 V	0	5	120	180	80	7,0400	410	740
130	NCF2224 V	2	2	120	215	58	9,0800	540	730
	NJF2324 V	3	2	120	260	86	22,3000	1000	1240
	NCF2926 V	9	2	130	180	30	2,3300	214	355
	NNC4926 V	9	4	130	180	50	3,9500	265	530
	NNCL4926 V	9	4	130	180	50	3,8000	265	530
	NNF5026 XV	0	5	130	190	80	7,5000	430	790
	NCF3026 V	0	3	130	200	52	5,6500	435	620
140	NNCF5026 V	0	5	130	200	95	10,2000	740	1230
	NNF5026 V	0	5	130	200	95	10,5000	540	960
	NCF2226 V	2	2	130	230	64	11,2500	630	860
	NCF2928 V	9	2	140	190	30	2,4200	232	385
	NNC4928 V	9	4	140	190	50	4,2000	275	570
	NNCL4928 V	9	4	140	190	50	4,1000	275	570
	NNF5028 XV	0	5	140	200	80	8,0000	445	840
150	NCF3028 V	0	3	140	210	53	6,0400	455	680
	NNCF5028 V	0	5	140	210	95	11,1000	780	1360
	NNF5028 V	0	5	140	210	95	11,1000	610	1100
	NCF2228 V	2	2	140	250	68	14,4700	720	1020
	NNC4830 V	8	4	150	190	40	2,9000	237	550
	NNCL4830 V	8	4	150	190	40	2,8000	237	550
	NCF2930 V	9	2	150	210	36	3,7700	305	490
160	NNC4930 V	9	4	150	210	60	6,6500	415	840
	NNCL4930 V	9	4	150	210	60	6,4500	415	840
	NNF5030 XV	0	5	150	210	80	8,4000	465	920
	NCF3030 V	0	3	150	225	56	7,3300	480	710
	NNCF5030 V	0	5	150	225	100	13,3000	820	1420
	NNF5030 V	0	5	150	225	100	13,3000	710	1260
	NCF2230 V	2	2	150	270	73	18,4300	830	1180
160	NNC4832 V	8	4	160	200	40	3,1000	243	580
	NNCL4832 V	8	4	160	200	40	3,0000	243	580
	NCF2932 V	9	2	160	220	36	4,0000	320	520

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Rotational speed [rpm]		Equivalent	Basic makes*			Bearing No.
reference	limiting		-	MSP	MUP	
2400	2600	SL183020	↗	↗	↗	NCF3020 V
2000	2600	SL185020	↗	↗	↗	NNCF5020 V
600	1000	SL045020	↗	↗	↗	NNF5020 V
1800	2300	SL182220	↗	↗	↗	NCF2220 V
1500	2100	SL192320	↗	↗	↗	NJF2320 V
2100	2500	SL182922	↗	↗	↗	NCF2922 V
1800	2500	SL014922	↗	↗	↗	NNC4922 V
1800	2500	SL024922	↗	↗	↗	NNCL4922 V
2200	2300	SL183022	↗	↗	↗	NCF3022 V
1800	2300	SL185022	↗	↗	↗	NNCF5022 V
540	900	SL045022	↗	↗	↗	NNF5022 V
1800	2100	SL182222	↗	↗	↗	NCF2222 V
1300	1900	SL192322	↗	↗	↗	NJF2322 V
1900	2300	SL182924	↗	↗	↗	NCF2924 V
1700	2300	SL014924	↗	↗	↗	NNC4924 V
1700	2300	SL024924	↗	↗	↗	NNCL4924 V
1900	2200	SL183024	↗	↗	↗	NCF3024 V
1600	2200	SL185024	↗	↗	↗	NNCF5024 V
540	900	SL045024	↗	↗	↗	NNF5024 V
1500	1900	SL182224	↗	↗	↗	NCF2224 V
1200	1700	SL192324	↗	↗	↗	NJF2324 V
1800	2100	SL182926	↗	↗	↗	NCF2926 V
1500	2100	SL014926	↗	↗	↗	NNC4926 V
1500	2100	SL024926	↗	↗	↗	NNCL4926 V
480	800	SL04130	↗	↗	↗	NNF5026 XV
1700	2000	SL183026	↗	↗	↗	NCF3026 V
1400	2000	SL185026	↗	↗	↗	NNCF5026 V
480	800	SL045026	↗	↗	↗	NNF5026 V
1400	1800	SL182226	↗	↗	↗	NCF2226 V
1600	2000	SL182928	↗	↗	↗	NCF2928 V
1400	2000	SL014928	↗	↗	↗	NNC4928 V
1400	2000	SL024928	↗	↗	↗	NNCL4928 V
450	750	SL04140	↗	↗	↗	NNF5028 XV
1500	1900	SL183028	↗	↗	↗	NCF3028 V
1200	1900	SL185028	↗	↗	↗	NNCF5028 V
450	750	SL045028	↗	↗	↗	NNF5028 V
1300	1700	SL182228	↗	↗	↗	NCF2228 V
1300	1900	SL014830	↗	↗	↗	NNC4830 V
1300	1900	SL024830	↗	↗	↗	NNCL4830 V
1500	1800	SL182930	↗	↗	↗	NCF2930 V
1200	1800	SL014930	↗	↗	↗	NNC4930 V
1200	1800	SL024930	↗	↗	↗	NNCL4930 V
420	700	SL04150	↗	↗	↗	NNF5030 XV
1500	1700	SL183030	↗	↗	↗	NCF3030 V
1200	1700	SL185030	↗	↗	↗	NNCF5030 V
420	700	SL045030	↗	↗	↗	NNF5030 V
1200	1500	SL182230	↗	↗	↗	NCF2230 V
1300	1800	SL014832	↗	↗	↗	NNC4832 V
1300	1800	SL024832	↗	↗	↗	NNCL4832 V
1300	1700	SL182932	↗	↗	↗	NCF2932 V

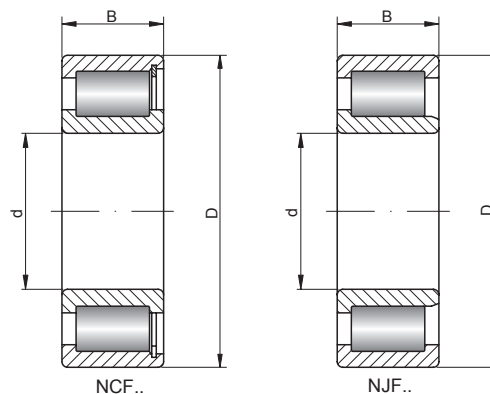


5. CYLINDRICAL ROLLER BEARINGS

5.9. Cageless cylindrical roller bearings
- types - NCF, NJF, NNC, NNCF, NNCL, NNF

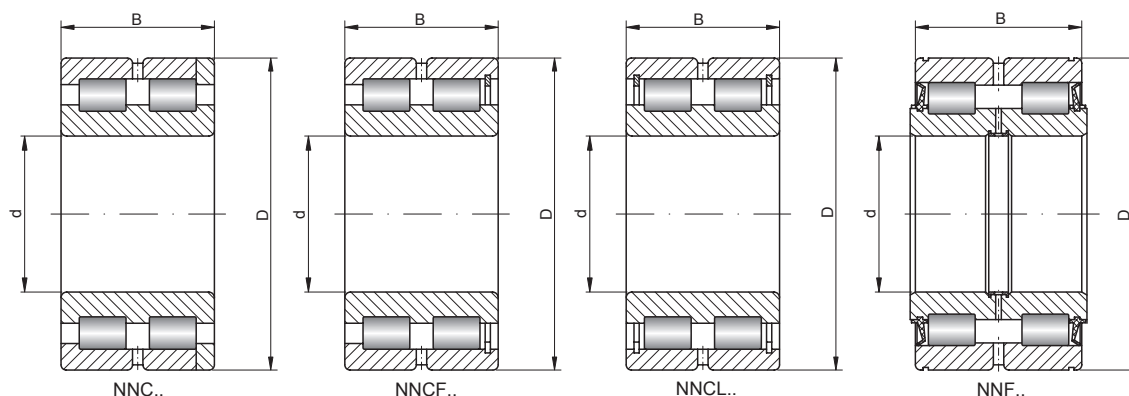


160 – 220 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
160 cont.	NNC4932 V	9	4	160	220	60	7,0000	435	900
	NNCL4932 V	9	4	160	220	60	6,8000	435	900
	NNF5032 XV	0	5	160	220	80	8,8000	480	970
	NCF3032 V	0	3	160	240	60	8,8000	550	820
	NNF5032 V	0	5	160	240	109	16,6000	740	1360
	NCF2232 V	2	2	160	290	80	23,0000	1030	1490
170	NNC4834 V	8	4	170	215	45	4,1000	265	620
	NNCL4834 V	8	4	170	215	45	3,9500	265	620
	NCF2934 V	9	2	170	230	36	4,3000	330	560
	NNC4934 V	9	4	170	230	60	7,3500	445	950
	NNCL4934 V	9	4	170	230	60	7,1000	445	950
	NNF5034 XV	0	5	170	230	80	9,3000	490	1030
	NCF3034 V	0	3	170	260	67	12,2000	710	1070
	NNF5034 V	0	5	170	260	122	22,6000	960	1750
	NCF2234 V	2	2	170	310	86	28,6500	1150	1680
180	NNC4836 V	8	4	180	225	45	4,3000	275	660
	NNCL4836 V	8	4	180	225	45	4,1500	275	660
	NNF5036 XV	0	5	180	240	80	9,8000	500	1080
	NCF2936 V	9	2	180	250	42	6,2000	410	690
	NNC4936 V	9	4	180	250	69	10,8000	580	1230
	NNCL4936 V	9	4	180	250	69	10,5000	580	1230
	NCF3036 V	0	3	180	280	74	16,1000	820	1260
	NNF5036 V	0	5	180	280	136	30,1000	1140	2130
	NCF2236 V	2	2	180	320	86	29,8000	1190	1780
190	NNC4838 V	8	4	190	240	50	5,6500	315	750
	NNCL4838 V	8	4	190	240	50	5,4500	315	750
	NCF2938 V	9	2	190	260	42	6,5000	455	790
	NNC4938 V	9	4	190	260	69	11,2000	590	1290
	NNCL4938 V	9	4	190	260	69	10,9000	590	1290
	NNF5038 XV	0	5	190	260	80	12,7000	520	1130
	NCF3038 V	0	3	190	290	75	17,0000	840	1320
	NNF5038 V	0	5	190	290	136	31,5000	1160	2210
	NCF2238 V	2	2	190	340	92	35,6500	1310	1920
200	NCF1840 V	8	1	200	250	24	2,5700	183	330
	NNC4840 V	8	4	200	250	50	5,9000	325	790
	NNCL4840 V	8	4	200	250	50	5,7000	325	790
	NNF5040 XV	0	5	200	270	80	13,2000	540	1210
	NCF2940 V	9	2	200	280	48	9,1000	550	960
	NNC4940 V	9	4	200	280	80	15,8000	690	1480
	NNCL4940 V	9	4	200	280	80	15,3000	690	1480
	NCF3040 V	0	3	200	310	82	21,8000	960	1530
	NNF5040 V	0	5	200	310	150	40,8000	1350	2600
220	NCF2240 V	2	2	200	360	98	43,1200	1420	2040
	NCF1844 V	8	1	220	270	24	2,8000	192	365
	NNC4844 V	8	4	220	270	50	6,4000	340	870
	NNCL4844 V	8	4	220	270	50	6,2000	340	870
	NCF2944 V	9	2	220	300	48	9,9000	580	1050
	NNC4944 V	9	4	220	300	80	17,2000	720	1590
	NNCL4944 V	9	4	220	300	80	16,7000	720	1590
	NNF5044 XV	0	5	220	300	95	19,5000	700	1550
	NCF3044 V	0	3	220	340	90	28,4000	1160	1840

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Rotational speed [rpm]		Equivalent	Basic makes*			Bearing No.
reference	limiting		-	MSP	MUP	
1100	1700	SL014932	↗	↗	↗	NNC4932 V
1100	1700	SL024932	↗	↗	↗	NNCL4932 V
420	700	SL04160	↗	↗	↗	NNF5032 XV
1300	1600	SL183032	↗	↗	↗	NCF3032 V
390	650	SL045032	↗	↗	↗	NNF5032 V
950	1400	SL182232	↗	↗	↗	NCF2232 V
1200	1700	SL014834	↗	↗	↗	NNC4834 V
1200	1700	SL024834	↗	↗	↗	NNCL4834 V
1200	1600	SL182934	↗	↗	↗	NCF2934 V
1000	1600	SL014934	↗	↗	↗	NNC4934 V
1000	1600	SL024934	↗	↗	↗	NNCL4934 V
390	650	SL04170	↗	↗	↗	NNF5034 XV
1100	1500	SL183034	↗	↗	↗	NCF3034 V
360	600	SL045034	↗	↗	↗	NNF5034 V
900	1400	SL182234	↗	↗	↗	NCF2234 V
1100	1600	SL014836	↗	↗	↗	NNC4836 V
1100	1600	SL024836	↗	↗	↗	NNCL4836 V
360	600	SL04180	↗	↗	↗	NNF5036 XV
1200	1500	SL182936	↗	↗	↗	NCF2936 V
950	1500	SL014936	↗	↗	↗	NNC4936 V
950	1500	SL024936	↗	↗	↗	NNCL4936 V
1000	1400	SL183036	↗	↗	↗	NCF3036 V
330	550	SL045036	↗	↗	↗	NNF5036 V
850	1300	SL182236	↗	↗	↗	NCF2236 V
1100	1500	SL014838	↗	↗	↗	NNC4838 V
1100	1500	SL024838	↗	↗	↗	NNCL4838 V
1100	1400	SL182938	↗	↗	↗	NCF2938 V
900	1400	SL014938	↗	↗	↗	NNC4938 V
900	1400	SL024938	↗	↗	↗	NNCL4938 V
330	550	SL04190	↗	↗	↗	NNF5038 XV
1000	1400	SL183038	↗	↗	↗	NCF3038 XV
330	550	SL045038	↗	↗	↗	NNF5038 V
800	1200	SL182238	↗	↗	↗	NCF2238 V
1200	1400	SL181840	↗	↗	↗	NCF1840 V
1000	1400	SL014840	↗	↗	↗	NNC4840 V
1000	1400	SL024840	↗	↗	↗	NNCL4840 V
330	550	SL04200	↗	↗	↗	NNF5040 XV
1000	1400	SL182940	↗	↗	↗	NCF2940 V
850	1400	SL014940	↗	↗	↗	NNC4940 V
850	1400	SL024940	↗	↗	↗	NNCL4940 V
900	1300	SL183040	↗	↗	↗	NCF3040 V
300	500	SL045040	↗	↗	↗	NNF5040 V
800	1200	SL182240	↗	↗	↗	NCF2240 V
1000	1300	SL181844	↗	↗	↗	NCF1844 V
850	1300	SL014844	↗	↗	↗	NNC4844 V
850	1300	SL024844	↗	↗	↗	NNCL4844 V
850	1200	SL182944	↗	↗	↗	NCF2944 V
750	1200	SL014944	↗	↗	↗	NNC4944 V
750	1200	SL024944	↗	↗	↗	NNCL4944 V
288	480	SL04220	↗	↗	↗	NNF5044 XV
850	1200	SL183044	↗	↗	↗	NCF3044 V

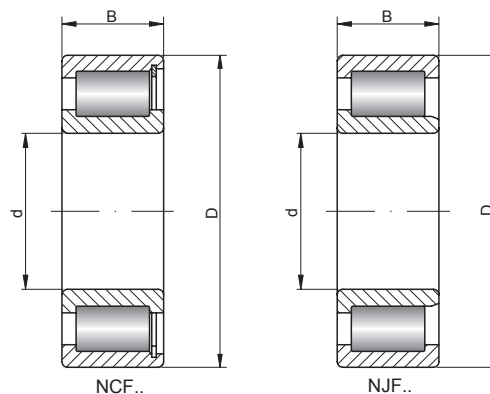


5. CYLINDRICAL ROLLER BEARINGS

5.9. Cageless cylindrical roller bearings
- types - NCF, NJF, NNC, NNCF, NNCL, NNF

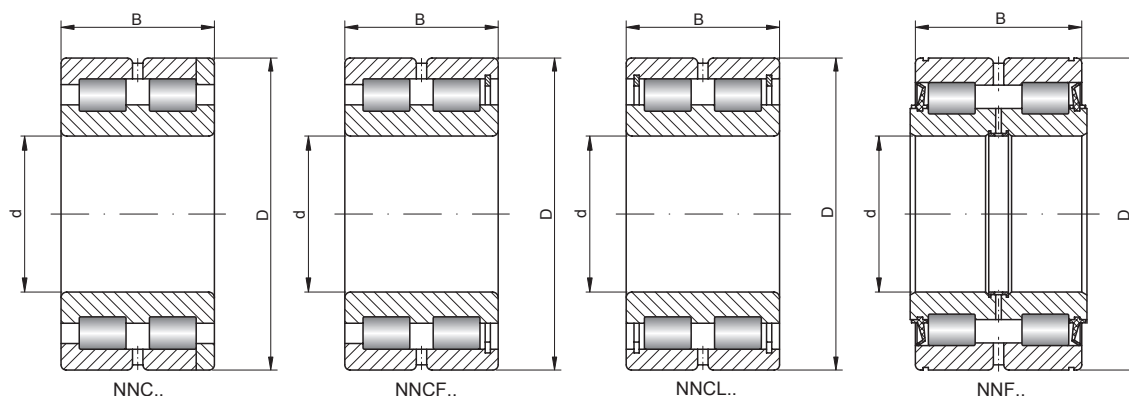


220 – 340 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
220 cont.	NNF5044 V	0	5	220	340	160	52,5000	1570	3050
240	NCF1848 V	8	1	240	300	28	4,4000	224	435
	NNC4848 V	8	4	240	300	60	10,0000	520	1290
	NNCL4848 V	8	4	240	300	60	9,9000	520	1290
	NCF2948 V	9	2	240	320	48	10,6000	610	1140
	NNC4948 V	9	4	240	320	80	18,5000	750	1740
	NNCL4948 V	9	4	240	320	80	17,9000	750	1740
	NNF5048 XV	0	5	240	320	95	21,0000	740	1700
	NCF3048 V	0	3	240	360	92	30,9000	1220	2010
	NNF5048 V	0	5	240	360	160	56,0000	1630	3300
260	NCF1852 V	8	1	260	320	28	4,7100	234	475
	NNC4852 V	8	4	260	320	60	11,0000	540	1400
	NNCL4852 V	8	4	260	320	60	10,6000	540	1400
	NNF5052 XV	0	5	260	340	95	22,5000	840	1990
	NCF2952 V	9	2	260	360	60	18,5000	790	1470
	NNC4952 V	9	4	260	360	100	32,0000	1120	2500
	NNCL4952 V	9	4	260	360	100	31,2000	1120	2500
	NCF3052 V	0	3	260	400	104	44,5000	1620	2550
	NNF5052 V	0	5	260	400	190	84,5000	2380	4700
280	NCF1856 V	8	1	280	350	33	7,0000	315	620
	NNC4856 V	8	4	280	350	69	16,0000	710	1860
	NNCL4856 V	8	4	280	350	69	15,6000	710	1860
	NCF2956 V	9	2	280	380	60	19,7000	920	1740
	NNC4956 V	9	4	280	380	100	34,0000	1170	2700
	NNCL4956 V	9	4	280	380	100	33,1000	1170	2700
	NCF3056 V	0	3	280	420	106	48,0000	1670	2700
	NNF5056 V	0	5	280	420	190	90,0000	2600	5200
300	NCF1860 V	8	1	300	380	38	10,0000	380	750
	NNC4860 V	8	4	300	380	80	23,0000	830	2120
	NNCL4860 V	8	4	300	380	80	22,0000	830	2120
	NNF5060 XV	0	5	300	380	95	25,5000	900	2250
	NCF2960 V	9	2	300	420	72	31,2000	1180	2230
	NNC4960 V	9	4	300	420	118	53,0000	1650	3800
	NNCL4960 V	9	4	300	420	118	51,9000	1650	3800
	NCF3060 V	0	3	300	460	118	66,6000	2040	3350
	NNF5060 V	0	5	300	460	218	126,0000	3000	5800
320	NCF1864 V	8	1	320	400	38	10,6000	390	800
	NNC4864 V	8	4	320	400	80	24,0000	860	2280
	NNCL4864 V	8	4	320	400	80	23,5000	860	2280
	NCF2964 V	9	2	320	440	72	32,9000	1220	2370
	NNC4964 V	9	4	320	440	118	56,0000	1720	4100
	NNCL4964 V	9	4	320	440	118	54,9000	1720	4100
	NCF3064 V	0	3	320	480	121	71,7000	2100	3500
340	NCF1868 V	8	1	340	420	38	11,2000	405	840
	NNC4868 V	8	4	340	420	80	25,5000	880	2390
	NNCL4868 V	8	4	340	420	80	25,0000	880	2390
	NCF2968 V	9	2	340	460	72	34,7000	1260	2500
	NNC4968 V	9	4	340	460	118	59,0000	1770	4300
	NNCL4968 V	9	4	340	460	118	57,8000	1770	4300
	NCF3068 V	0	3	340	520	133	95,8000	2500	4150

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Rotational speed [rpm]		Equivalent	Basic makes*			Bearing No.
reference	limiting		-	MSP	MUP	
288	480	SL045044	↗	↗	↗	NNF5044 V
950	1200	SL181848	↗	↗	↗	NCF1848 V
750	1200	SL014848	↗	↗	↗	NNC4848 V
750	1200	SL024848	↗	↗	↗	NNCL4848 V
750	1200	SL182948	↗	↗	↗	NCF2948 V
700	1200	SL014948	↗	↗	↗	NNC4948 V
700	1200	SL024948	↗	↗	↗	NNCL4948 V
288	480	SL04240	↗	↗	↗	NNF5048 XV
750	1100	SL183048	↗	↗	↗	NCF3048 V
264	440	SL045048	↗	↗	↗	NNF5048 V
850	1100	SL181852	↗	↗	↗	NCF1852 V
700	1100	SL014852	↗	↗	↗	NNC4852 V
700	1100	SL024852	↗	↗	↗	NNCL4852 V
264	440	SL04260	↗	↗	↗	NNF5052 XV
700	1000	SL182952	↗	↗	↗	NCF2952 V
600	1000	SL014952	↗	↗	↗	NNC4952 V
600	1000	SL024952	↗	↗	↗	NNCL4952 V
650	1000	SL183052	↗	↗	↗	NCF3052 V
240	400	SL045052	↗	↗	↗	NNF5052 V
800	1000	SL181856	↗	↗	↗	NCF1856 V
600	1000	SL014856	↗	↗	↗	NNC4856 V
600	1000	SL024856	↗	↗	↗	NNCL4856 V
600	1000	SL182956	↗	↗	↗	NCF2956 V
550	1000	SL014956	↗	↗	↗	NNC4956 V
550	1000	SL024956	↗	↗	↗	NNCL4956 V
600	950	SL183056	↗	↗	↗	NCF3056 V
228	380	SL045056	↗	↗	↗	NNF5056 V
700	950	SL181860	↗	↗	↗	NCF1860 V
550	950	SL014860	↗	↗	↗	NNC4860 V
550	950	SL024860	↗	↗	↗	NNCL4860 V
228	380	SL04300	↗	↗	↗	NNF5060 XV
550	900	SL182960	↗	↗	↗	NCF2960 V
460	900	SL014960	↗	↗	↗	NNC4960 V
460	900	SL024960	↗	↗	↗	NNCL4960 V
500	850	SL183060	↗	↗	↗	NCF3060 V
204	340	SL045060	↗	↗	↗	NNF5060 V
650	900	SL181864	↗	↗	↗	NCF1864 V
500	900	SL014864	↗	↗	↗	NNC4864 V
500	900	SL024864	↗	↗	↗	NNCL4864 V
500	850	SL182964	↗	↗	↗	NCF2964 V
410	850	SL014964	↗	↗	↗	NNC4964 V
410	850	SL024964	↗	↗	↗	NNCL4964 V
500	800	SL183064	↗	↗	↗	NCF3064 V
650	850	SL181868	↗	↗	↗	NCF1868 V
480	850	SL014868	↗	↗	↗	NNC4868 V
480	850	SL024868	↗	↗	↗	NNCL4868 V
480	800	SL182968	↗	↗	↗	NCF2968 V
390	800	SL014968	↗	↗	↗	NNC4968 V
390	800	SL024968	↗	↗	↗	NNCL4968 V
450	750	SL183068	↗	↗	↗	NCF3068 V

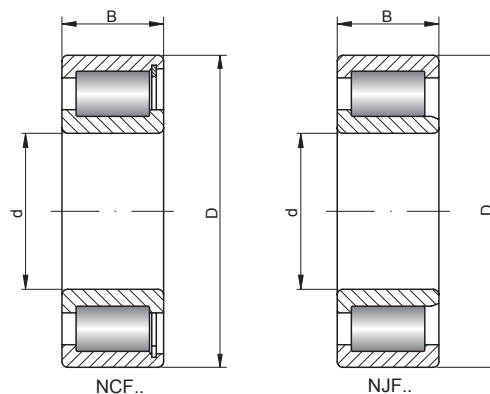


5. CYLINDRICAL ROLLER BEARINGS

5.9. Cageless cylindrical roller bearings
- types - NCF, NJF, NNC, NNCF, NNCL, NNF

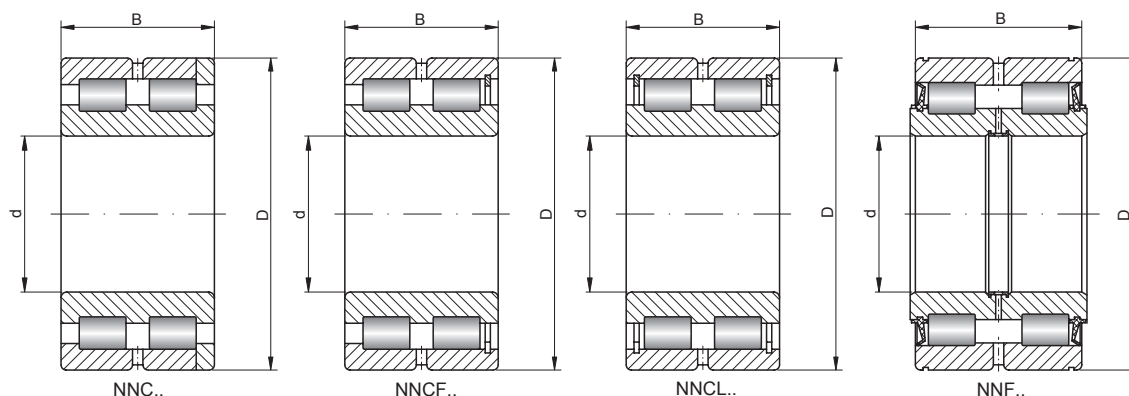


360 – 500 mm



Shaft [mm]	Bearing No.	Series		Dimensions [mm]			Weight [kg]	Basic load ratings [kN]	
		SD	SB	d	D	B		dyn. C	stat. C ₀
360	NCF1872 V	8	1	360	440	38	11,7000	426	890
	NNC4872 V	8	4	360	440	80	27,0000	910	2550
	NNCL4872 V	8	4	360	440	80	26,0000	910	2550
	NCF2972 V	9	2	360	480	72	36,4000	1290	2650
	NNC4972 V	9	4	360	480	118	62,1000	910	2550
	NNCL4972 V	9	4	360	480	118	60,8000	910	2550
	NCF3072 V	0	3	360	540	134	101,0000	2550	4350
380	NCF1876 V	8	1	380	480	46	19,2000	590	1190
	NNC4876 V	8	4	380	480	100	45,5000	1330	3550
	NNCL4876 V	8	4	380	480	100	44,0000	1330	3550
	NCF2976 V	9	2	380	520	82	52,1000	1670	3350
	NNC4976 V	9	4	380	520	140	92,4000	2280	5600
	NNCL4976 V	9	4	380	520	140	90,5000	2280	5600
	NCF3076 V	0	3	380	560	135	106,0000	2600	4500
400	NCF1880 V	8	1	400	500	46	20,0000	600	1260
	NNC4880 V	8	4	400	500	100	46,5000	1360	3700
	NNCL4880 V	8	4	400	500	100	45,8000	1360	3700
	NCF2980 V	9	2	400	540	82	54,3000	1730	3560
	NNC4980 V	9	4	400	540	140	96,5000	2340	5900
	NNCL4980 V	9	4	400	540	140	94,6000	2340	5900
	NCF3080 V	0	3	400	600	148	140,0000	3100	5400
420	NCF1884 V	8	1	420	520	46	20,9000	620	1310
	NCF2984 V	9	2	420	560	82	56,9000	1750	3600
440	NCF1888 V	8	1	440	540	46	21,8000	630	1380
	NCF2988 V	9	2	440	600	95	78,1000	2110	4150
460	NCF1892 V	8	1	460	580	56	33,9000	790	1680
	NCF2992 V	9	2	460	620	95	81,1000	2140	4300
480	NCF1896 V	8	1	480	600	56	35,2000	810	1740
	NCF2996 V	9	2	480	650	100	94,7000	2410	4850
500	NCF18/500 V	8	1	500	620	56	36,5000	830	1830
	NCF29/500 V	9	2	500	670	100	98,3000	2450	5000

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Rotational speed [rpm]		Equivalent	Basic makes*			Bearing No.
reference	limiting		-	MSP	MUP	
550	800	SL181872	↗	↗	↗	NCF1872 V
440	800	SL014872	↗	↗	↗	NNC4872 V
440	800	SL024872	↗	↗	↗	NNCL4872 V
440	750	SL182972	↗	↗	↗	NCF2972 V
440	800	SL014972	↗	↗	↗	NNC4972 V
440	800	SL024972	↗	↗	↗	NNCL4972 V
430	700	SL183072	↗	↗	↗	NCF3072 V
550	750	SL181876	↗	↗	↗	NCF1876 V
400	750	SL014876	↗	↗	↗	NNC4876 V
400	750	SL024876	↗	↗	↗	NNCL4876 V
400	700	SL182976	↗	↗	↗	NCF2976 V
340	700	SL014976	↗	↗	↗	NNC4976 V
340	700	SL024976	↗	↗	↗	NNCL4976 V
410	700	SL183076	↗	↗	↗	NCF3076 V
490	700	SL181880	↗	↗	↗	NCF1880 V
380	700	SL014880	↗	↗	↗	NNC4880 V
380	700	SL024880	↗	↗	↗	NNCL4880 V
370	700	SL182980	↗	↗	↗	NCF2980 V
310	700	SL014980	↗	↗	↗	NNC4980 V
310	700	SL024980	↗	↗	↗	NNCL4980 V
360	650	SL183080	↗	↗	↗	NCF3080 V
470	700	SL181884	↗	↗	↗	NCF1884 V
360	650	SL182984	↗	↗	↗	NCF2984 V
440	650	SL181888	↗	↗	↗	NCF1888 V
330	600	SL182988	↗	↗	↗	NCF2988 V
420	600	SL181892	↗	↗	↗	NCF1892 V
320	600	SL182992	↗	↗	↗	NCF2992 V
400	600	SL181896	↗	↗	↗	NCF1896 V
290	550	SL182996	↗	↗	↗	NCF2996 V
380	600	SL1818/500	↗	↗	↗	NCF18/500 V
280	550	SL1829/500	↗	↗	↗	NCF29/500 V

5000

