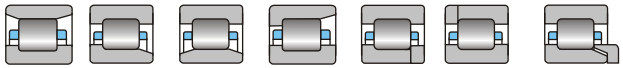
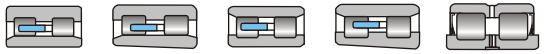
# Cylindrical Roller Bearings




155

Single Row Cylindrical Roller Bearings




189

Double-Row Cylindrical Roller Bearings

201

Four-Row Cylindrical Roller Bearings

## Cylindrical Roller Bearings

Most of LYC's cylindrical roller bearings are separable. This make it very convenient to mount and dismount. Cylindrical roller bearings can carry heavier radial load, and are suitable to be used in the condition of high speed.
This type of bearings can allow a small angular error between inner axes and outer axes in the range of 2' ～ 4'. Therefore, it requires higher machining precision on shaft and housing; otherwise, asymmetrical load and stress would be focused at the position of raceway. However, this situation can be improved by correcting the contacted generatrix of rollers or raceways.
According to different rows, LYC's cylindrical roller bearings are divided into single row, double-row, and multi-row cylindrical rollers. These differences are also displayed on the design of flange position. The common used types of LYC's cylindrical roller bearings are as follows.

### Single Row Cylindrical Roller Bearings Type N, NU

Bearings of type N have two integral flanges on inner ring and a flangeless outer ring. This type of bearings permits axial displacement in double directions of the housing relative to the shaft.
The bearings of type NU have two integral flanges on outer ring and a flangeless inner ring. This type of bearings permits axial displacement in double directions of the housing relative to the shaft.
Therefore, this type of bearings is suitable to be used as non-locating bearings.

### Type NJ, NF

Bearings of type NJ have two integral flanges one on the outer ring, and one on the inner ring. This type of bearing can carry a certain amount of axial load in a single direction.
Bearings of type NF have one flange on the outer ring, and two integral flanges on the inner ring. This type of bearing can carry a certain amount of axial load in a single direction.
Therefore, they are suitable to be used as an axial location bearing in single direction..

### Type NUP, NFP

Bearings of type NUP have two integral flanges on outer ring, one flange and separable loose flange on inner ring. This type of bearing can carry a certain amount of axial loads in double directions.
Bearings of type NFP have one flange, a loose flange on outer ring, and two integral flanges on inner ring. This type of bearing also can carry a certain amount of axial loads in double directions. This type of bearing can limit the displacement in double directions of the housing relative to the shaft.
Therefore, they are suitable to be used as a locating bearing.

### Type NH (NJ+HJ)

Bearings of type NH are combined by the bearing of type NJ and the bearing of type HJ with catercornered flange. Comparing to NUP type with short flange ring and non-locating loose flange, type NH can take the advantage of the whole inner ring width of NJ to match with axes tightly. Moreover, it's quite convenient to mount and dismount.
This type of bearings can limit axial displacement in double directions of the housing relative to the shaft. Therefore, they are suitable to be used as a locating bearing.

### Double-Row Cylindrical Roller Bearings

LYC's double-row cylindrical roller bearings are divided into bearings with cylindrical inner bore and tapered inner bore (added K behind bearing type). This type of bearing has these advantages, such as compact structure, good rigidity, heavy load carrying capacity, and little distortion under loads. Consequently, it's applicable for the machine tool spindle. Tapered inner bore could fine adjust clearance, simplify positioning fixture and be convenient to mount and dismount.
The common used types of LYC's double-row cylindrical roller bearings are as follows.

### Type NN, NNU

Bearings of type NN have two integral flanges on the inner ring, a flangeless outer ring and a centre flange in the middle. This type of bearing permits axial displacement in double directions of the housing relative to the shaft.
The bearings of type NNU have two integral flanges on the outer ring, a non-contacting inner ring and a centre flange in the middle. This type of bearing permits axial displacement in double directions of the housing relative to the shaft.
Therefore, this type of bearing is suitable to be used as non-locating bearings.

### Type NNF

Bearings of type NNF are one kind of double-row cylindrical roller bearings full of rollers, which consist of the outer ring with a center flange, two inner rings with double flanges. Rollers are guided by flanges on inner ring, and two inner rings are fixed up by a fastening ring. This structure can carry not only considerable radial load and axial load, but also tilting moment. Therefore, they are suitable to be used as non-locating bearings.
Bearings of type NNF have contact seals at two sides. And they are filled with grease lubricant, whose working temperature would be -50℃ ~+110℃.However, after considering the seal material, available working temperature shall be -40℃~+80℃Under appropriate conditions, sealed NNF bearing require little maintenance and can be kept for long periods in water vapor or polluted environment. When at mid or high speed, bearing can get make-up lubricating through lubrication groove and bore.

### Four-Row Cylindrical Roller Bearings

LYC's four-row cylindrical roller bearings are mainly used for rolling mill. The bearing are separable, i.e. the rings and rolling elements could be separated. Therefore it is convenient to wash, check, mount and dismount.

### Type FC

The bearings of type FC consist of two outer rings and one inner ring, which have two integral flanges on outer rings, a center flange in the middle and a flangeless inner ring.

### Type FCD

Essentially, bearing of type FCD consists of two bearings of type NN.
Bearings of type FC and FCD can permit axial displacement in double directions of the housing relative to the shaft
Therefore, they are suitable to be used as non-locating bearings. Normally, their cages are made from solid machinery.

### Special Design The Structure of Type E

Comparing to the former bearings with the same types, the internal structures have been improved so as to increase bearing carrying capacity and life. In order to distinguish with the former design, E will be added behind the bearing type.

### Tapered Bore Bearing

LYC's single row and double-row cylindrical roller bearings normally have cylindrical inner holes. But for some parts of the dimensions and specifications, tapered holes (taper: 1:12) can also be provide. In this case, K would be added behind the bearing type.

### Bearings with Snap Ring Groove

LYC can also supply single row cylindrical roller bearings with snap ring groove on inner ring. This type of bearings can be located through the snap ring. While mounting, it is convenient to fix the bearing into the housing. Consequently, it could be taken into consideration when the mounting position is limited. In this case, N should be added behind the bearing type.
LYC can also provide customers cylindrical roller bearings with other structures, such as insulative cylindrical roller bearings, cylindrical roller bearings without inner ring or outer ring, cylindrical roller bearings full of rollers, and sealed etc. All types can not be list in this catalogue. If customers require, please consult LYC technical department.

### Cage

Most cages for LYC's single row cylindrical roller bearings are pressed steel cages or machined brass cages. According to different working conditions and customers' requirements, cages with other design and structure could be supplied, e.g.glass fiber reinforced polyamide 66, which can works continuously at the maximum temperature +120℃.
Under continuous high temperatures or bad conditions, steel pressed cages and machined brass cages are recommended for single row cylindrical roller bearings.
Normally cage materials of LYC's double (four)-row cylindrical roller bearings are machined brass cages. For bearings with extra-large size, welded steel cages also can be selected.

**Axial Dynamic Load Carrying Capacity**

LYC's cylindrical roller bearings with designed flanges on inner and outer ring can carry not only radial load but also a certain amount of axial loads. The axial load carrying capacity mainly depends on the form of interface between roller end face and flange, lubricating conditions, and heat dissipation, etc.

Based on the following supposed conditions, the permissible axial load can be calculated from

$$F_{max}=\frac{K_1C_0 10^4}{n(d+D)}-K_2Fr$$

where

$F_{max}$ — Max permissible axial load, kN
$C_0$ — Basic static load rating, kN
Fr — Actual radial load, kN
n — Speed, r/min
d (D) — Bearing inner diameter(outer diameter), mm
$K_1$ — Factor, oil lubricating is 1.5, grease lubricating 0.5
$K_2$ — Factor, oil lubricating is 0.3, grease lubricating 0.15

The above formula is based on the temperature difference of 60℃ between working and ambient temperature, and the viscosity ratio≥2.

Note that this formula will not be applicable in the case of roller end face or flange with special design.

In order to avoid flange cracking, LYC technical department advises that the axial load Fa (frequently or occasionally) cannot be larger than the following value:

$$F_a=0.0023D^{1.7}kN$$

D — Bearing outer diameter, mm

The axial load Fa acting on bearings in a short time or occasionally can not be larger than the following value:

$$Fa=0.007D^{1.7}\ kN$$

D — Bearing outer diameter, mm

When single row cylindrical roller bearings carry heavy axial load, the loads need to be distributed equally. In addition, a certain rotating precision, dimension of shaft shoulder and axial runout should be reached. The related axial runout of shaft shoulder can be referred to "Bearing application".

When axial load and deflexion happen at the same time, the height of the shaft shoulder of supporting inner ring should be one half of the flange, see Fig.1. In order to avoid the flange carrying circular stress, the shaft shoulder diameter can be calculated from

$$d_a=0.5(d_1+F)$$

where

da — Shaft shoulder diameter, mm
$d_1$ — Flange diameter of inner ring , mm
F — Raceway diameter of inner ring , mm

When axes angular error between inner ring and outer ring exceed 1', the load carrying capacity on the flange shall be changed extremely. In that case, safe coefficient as above may not be suitable. In this case, please consult LYC technical department.

To ensure cylindrical roller bearing is working in good condition under axial loads, especially heavy axial loads, LYC technical department suggests to notice the following several points:

- Internal radial clearance should be controlled within the required range, and small clearance is preferred to big.
- Please use lubricant with extreme pressure additive.

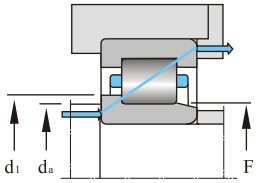


Fig 1

**Minimum Load**

In order to keep bearings working in good condition, a minimum load must be imposed on bearings, particularly on bearings working at high speeds, high accelerations, or with the load direction changing frequently, because under these working conditions, inertial force of balls and cage and lubricant friction will have bad influence on the rotation of bearings, and detrimental sliding movement may be caused. The minimum load of a cylindrical roller bearing can be obtained from

$$F_{min}=K_r\left(6+\frac{4n}{n_{limit}}\right)\left(\frac{dm}{100}\right)^2$$

where

n — Working speed, r/min
$n_{limit}$ — Limiting speed, r/min
dm — Mean bearing diameter dm=0.5(d+D), mm



Kr Minimal load factors,the values are Listed in the table below

| Kr | Dimension Series | | | |
|---|---|---|---|---|
| | 10 | 2、3、4 | 22 | 23 |
| | 100 | 150 | 200 | 250 |

When bearings are started at low ambient temperatures or in the condition that the viscosity of the lubricant is very high, bigger minimum load is required. Usually, the weight of the bearing supporting parts plus the load on the bearing have been over the required minimum load. If the weight cannot be up to the minimum load, extra radial load must be exerted on this type of bearing in order to meet the requirement of minimum load.

**Dimension, Tolerance, Clearance**

LYC's standard cylindrical roller bearing dimension is in accordance to GB/T273.3 <Rolling Bearing, Radial Bearing, and Boundary Dimension General Specification>, GB/T283 <Rolling Bearing, Cylindrical Roller Bearing, and Boundary Dimension>, GB/T285 <Rolling Bearing, Double-Row Cylindrical Roller Bearing, and Boundary Dimension>, JB/T5389.1 <Rolling Bearing, Four-Row Cylindrical Roller Bearing Used by Rolling Mill>. <Rolling Bearing, Radial Bearing, and Boundary Dimension General Specification>, GB/T283 <Rolling Bearing, Cylindrical Roller Bearing, and Boundary Dimension>, GB/T285 <Rolling Bearing, Double-Row Cylindrical Roller Bearing, and Boundary Dimension>, JB/T5389.1 <Rolling Bearing, Four-Row Cylindrical Roller Bearing Used by Rolling Mill>.

The tolerance of LYC's standard cylindrical roller bearing is in accordance to GB/T307.1 <Rolling Bearing, Radial Bearing, and Tolerance>.

The clearance of LYC;s standard cylindrical roller bearing is in accordance to GB/T4604 <Rolling Bearing, and Radial Clearance>.

The dimensional tolerance of LYC;s standard cylindrical roller bearing is the normal grade P0 and the clearance is group 0.If customers have other special requirements on dimension, tolerance, and clearance, LYC have the ability to supply the corresponding products, including non-standard products.

## Equivalent Dynamic Load

For cylindrical roller bearings carrying dynamic loads, when applied as wandering end bearings, the equivalent dynamic load can be calculated as following

$$P=Fr$$

If the bearing carries axial load in one direction or double directions,the equivalent dynamic load can

when $Fa/Fr\leqslant e$ $P=Fr$
when $Fa/Fr>e$ $P=0.92Fr+YFa$

e — Limiting value
For dimension series 2, 3, 4, e=0.2,
For other series e=0.3

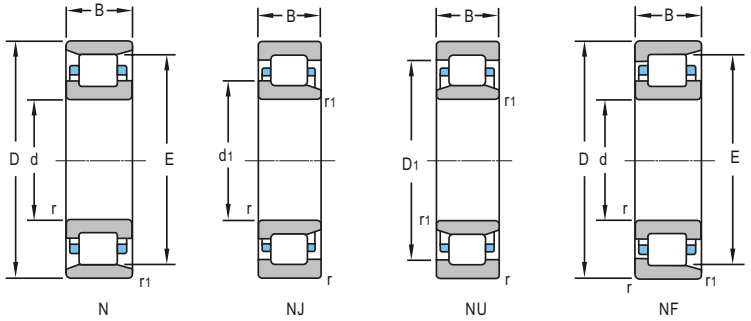
Y — Axial load coefficient
For dimension series 2, 3, 4, Y=0.6,
For other series Y=0.4

In order to obtain ideal effect, cylindrical roller bearing needs to carry axial load and radial load at the same time. However, the ratio of axial load and radial load should be smaller than 0.5.

## Equivalent Static Load

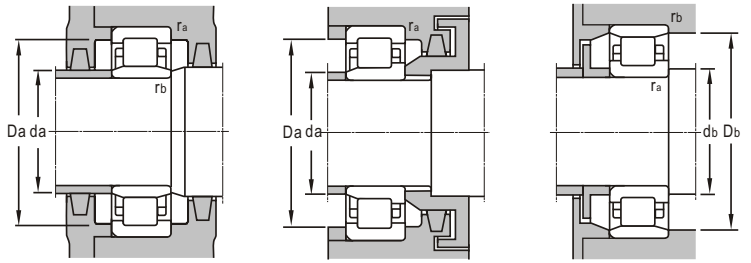
For the cylindrical roller bearing carrying static load, the equivalent static load can be calculated from

$$P_0=Fr$$

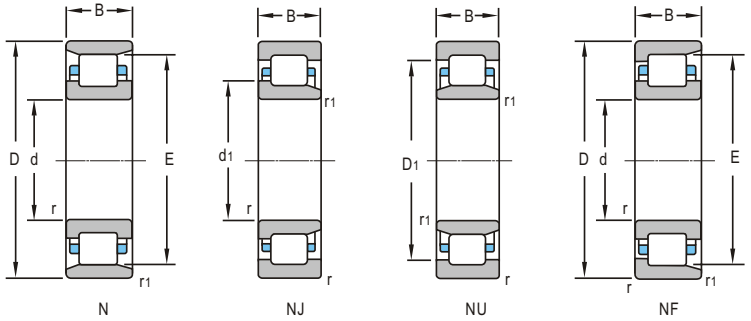



d 17～35mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| $d$ | $D$ | $B$ | $r_{min}$ | $r_{1min}$ | $C$ | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **17** | 47 | 14 | 1 | 0.6 | 19.2 | 16.9 | 14000 | 17000 |
| **18** | 52 | 15 | 0.6 | 0.6 | 30.8 | 25.4 | 10000 | 14000 |
| **20** | 47 | 14 | 1 | 0.6 | 23.8 | 23.9 | 13000 | 16000 |
| | 47 | 14 | 1 | 0.6 | 25.1 | 25.2 | 13000 | 16000 |
| | 47 | 14 | 1 | 0.6 | 25.1 | 25.2 | 13000 | 16000 |
| **25** | 52 | 15 | 1 | 0.6 | 28.8 | 27.1 | 11000 | 14000 |
| | 52 | 15 | 1 | 0.6 | 30.6 | 29.3 | 10500 | 13500 |
| | 52 | 15 | 1 | 0.6 | 30.6 | 29.3 | 11000 | 14000 |
| | 52 | 15 | 1 | 0.6 | 28.8 | 27.1 | 11000 | 14000 |
| | 52 | 15 | 1 | 0.6 | 28.8 | 27.1 | 11000 | 14000 |
| | 52 | 18 | 1 | 0.6 | 37.8 | 40.2 | 2200 | 4500 |
| | 62 | 17 | 1.1 | 1.1 | 36.9 | 32 | 9500 | 12000 |
| | 62 | 17 | 1.1 | 1.1 | 30.6 | 26.6 | 9500 | 12000 |
| | 62 | 17 | 1.1 | 1.1 | 38 | 37 | 9500 | 12000 |
| | 62 | 17 | 1.1 | 1.1 | 38.2 | 34.7 | 2500 | 5000 |
| | 62 | 17 | 1.1 | 1.1 | 38 | 37 | 9500 | 12000 |
| | 62 | 24 | 1.1 | 1.1 | 50.5 | 49.5 | 9000 | 11000 |
| | 62 | 24 | 1.1 | 1.1 | 58.4 | 62.2 | 2200 | 4500 |
| **27** | 58 | 18 | 1.1 | 1.1 | 50 | 55 | 11000 | 14000 |
| **30** | 62 | 16 | 1 | 0.6 | 34.3 | 21.7 | 9500 | 12000 |
| | 62 | 16 | 1 | 0.6 | 34.3 | 21.7 | 9500 | 12000 |
| | 62 | 16 | 1 | 0.6 | 34.3 | 21.7 | 9500 | 12000 |
| | 62 | 16 | 1 | 0.6 | 26.5 | 25.3 | 9500 | 12000 |
| | 62 | 16 | 1 | 0.6 | 26.5 | 25.3 | 9500 | 12000 |
| | 62 | 16 | 1 | 0.6 | 32.9 | 29.7 | 9500 | 12000 |
| | 62 | 16 | 1 | 0.6 | 26.5 | 25.3 | 9500 | 12000 |
| | 62 | 16 | 1 | 0.6 | 26.5 | 25.3 | 9500 | 12000 |
| | 62 | 16 | 1 | 0.6 | 36.1 | 34.7 | 10810 | 13620 |
| | 62 | 16 | 1 | 0.6 | 36.1 | 34.7 | 10810 | 13620 |
| | 62 | 16 | 1 | 0.6 | 36.1 | 34.7 | 10810 | 13620 |
| | 62 | 16 | 1 | 1 | 36.1 | 34.7 | 9000 | 11500 |
| | 72 | 19 | 1.1 | 1.1 | 51.2 | 48 | 9000 | 11000 |
| | 72 | 19 | 1.1 | 1.1 | 51.2 | 48 | 9000 | 11000 |
| **35** | 72 | 17 | 1.1 | 0.6 | 45.3 | 43.8 | 8500 | 10000 |
| | 72 | 17 | 1.1 | 0.6 | 45.3 | 43.8 | 8500 | 10000 |

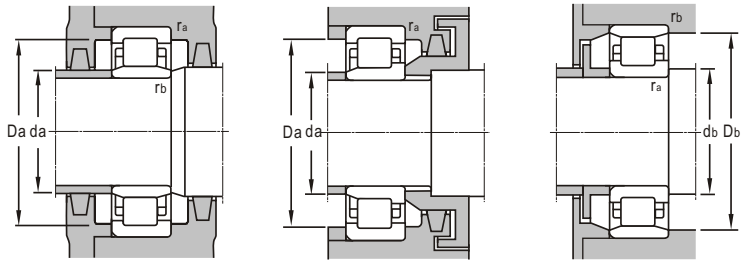



| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | $E$ | $F$ | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **NU 303M** | 32303H | 17 | | 36.8 | | 27 | 21.2 | 41 | | 1 | 0.6 | 0.147 |
| **NB 3/18 JR/YA4** | 822903 | 18 | | | | 25 | 23 | 47 | | 0.6 | 0.6 | 0.1756 |
| **N 204** | 2204 | 20 | 30.4 | | 40 | | | | 43 | 1 | 0.6 | 0.112 |
| **NU 204M** | 32204H | 20 | | 36.8 | | 27 | 24 | 42 | | 1 | 0.6 | 0.112 |
| **NJ 204M** | 42204H | 20 | 30 | 36.8 | | 27 | 24 | 42 | | 1 | 0.6 | 0.135 |
| **NU 205M** | 32205H | 25 | | 41.8 | | 32 | 29 | 47 | | 1 | 0.6 | 0.168 |
| **NJ 205 EF1** | | 25 | 34.7 | 43.5 | | 31.5 | 29 | 47 | | 1 | 0.6 | 0.146 |
| **NJ 205 ETN1** | 42205EA | 25 | 34.7 | 43.5 | | 31.5 | 29 | 47 | | 1 | 0.6 | 0.135 |
| **NJ 205 EM** | | 25 | 34.7 | 43.5 | | 31.5 | 29 | 47 | | 1 | 0.6 | 0.152 |
| **NU 205 EM** | | 25 | | 43.5 | | 31.5 | 29 | 47 | | 1 | 0.6 | 0.15 |
| **NU 2205 V/C9** | 3-258 | 25 | | 41.12 | | 31.12 | 29 | 47 | | 1 | 0.6 | 0.178 |
| **NJ 305 E** | 42305E | 25 | 38.1 | 50.4 | | 34 | 31 | 55 | | 1 | 1 | 0.256 |
| **NJ 305** | | 25 | 38.6 | 48.7 | | 35 | 31 | 55 | | 1 | 1 | 0.255 |
| **NJ 305 ETN1** | 42305EA | 25 | 38.1 | 50.4 | | 34 | 31 | 55 | | 1 | 1 | 0.251 |
| **NCL 305 V** | 102305 | 25 | 39 | | 53 | | 31 | | 55 | 1 | 1 | 0.254 |
| **NU 305 M** | | 25 | | 50.4 | | 34 | 32 | 55 | | 1 | 1 | 0.273 |
| **NJ 2305M** | 42605 HY | 25 | 39 | 48.7 | | 35 | 32 | 55 | | 1 | 1 | 0.452 |
| **NCL 2305 V** | 102605 | 25 | 39 | | 53 | | 32 | | 52 | 1 | 1 | 0.351 |
| **NU 6/27 EV** | | 27 | | 47.6 | | 35.53 | 33 | 53 | | 1 | 1 | 0.23 |
| **N 206 E** | 2206E | 30 | 41.3 | | 55.5 | | 35 | | 57 | 1 | 0.6 | 0.205 |
| **NJ 206 E** | 42206E | 30 | 41.3 | 52.3 | | 37.5 | 35 | 57 | | 1 | 0.6 | 0.213 |
| **NU 206 E** | 32206E | 30 | | 52.3 | | 37.5 | 35 | 57 | | 1 | 0.6 | 0.207 |
| **N 206** | 2206 | 30 | 42.1 | | 53.5 | | | | 57 | 1 | 0.6 | 0.219 |
| **NU 206M** | 32206H1 | 30 | | 49.9 | | 38.5 | 34 | 57 | | 1 | 0.6 | 0.239 |
| **NU 206EM** | | 30 | | 52.3 | | 37.5 | 34 | 57 | | 1 | 0.6 | 0.223 |
| **NU 206Q1PS** | 32206Q1 | 30 | | 49.9 | | 38.5 | 34 | 57 | | 1 | 0.6 | 0.238 |
| **NJ 206M** | 42206H1 | 30 | 41.8 | 49.9 | | 38.5 | 34 | 57 | | 1 | 0.6 | 0.247 |
| **N 206 ETN1** | 2206EA | 30 | 41.3 | | 55.5 | | | | 57 | 1 | 0.6 | 0.205 |
| **NU 206 ETN1** | 32206EA | 30 | | 52.3 | | 37.5 | 34 | 57 | | 1 | 0.6 | 0.207 |
| **NJ 206 ETN1** | 42206EA | 30 | 41.3 | 52.3 | | 37.5 | 34 | 57 | | 1 | 0.6 | 0.213 |
| **NJ 206 EF1** | | 30 | 41.3 | 52.3 | | 37.5 | 34 | 57 | | 1 | 0.6 | 0.31 |
| **NF 306 E** | 12306E | 30 | 44.9 | 58.9 | 62.5 | | 37 | 65 | | 1 | 1 | 0.377 |
| **NU 306 EM** | | 30 | | 58 | | 40.5 | 37 | 65 | | 1 | 1 | 0.399 |
| **NJ 207 EM** | | 35 | 48 | 60 | | 44 | 39 | 65 | | 1 | 0.6 | 0.337 |
| **NU 207 EM** | | 35 | | 60 | | 44 | 39 | 65 | | 1 | 0.6 | 0.328 |

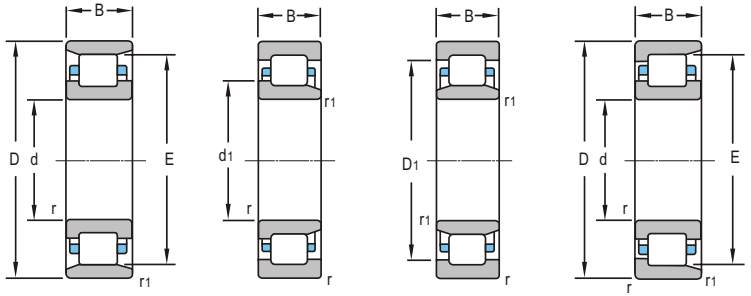



d 35～45mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | $r_{1min}$ | *C* | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **35** | 72 | 17 | 1.1 | 0.6 | 49.2 | 51.9 | 9340 | 11770 |
| | 80 | 21 | 1.5 | 1.1 | 50.9 | 48.5 | 7000 | 8500 |
| | 80 | 21 | 1.5 | 1.1 | 50.9 | 48.5 | 7000 | 8500 |
| | 80 | 21 | 1.5 | 1.1 | 50.9 | 48.5 | 7000 | 8500 |
| | 80 | 21 | 1.5 | 1.1 | 59.1 | 39.2 | 8000 | 9500 |
| | 80 | 21 | 1.5 | 1.1 | 70.6 | 66.2 | 7000 | 8500 |
| | 80 | 21 | 1.5 | 1.1 | 70.6 | 66.2 | 7000 | 8500 |
| | 80 | 21 | 1.5 | 1.1 | 80.2 | 83.3 | 2500 | 3050 |
| | 80 | 21 | 1.5 | 1.1 | 80.2 | 83.3 | 2500 | 3050 |
| | 80 | 31 | 1.5 | 1.1 | 64.8 | 66.1 | 7000 | 8500 |
| | 80 | 31 | 1.5 | 1.1 | 92.2 | 99.3 | 7000 | 8500 |
| | 80 | 31 | 1.5 | 1.1 | 92.2 | 99.3 | 7000 | 8500 |
| | 100 | 25 | 1.5 | 1.5 | 77.5 | 72.5 | 6700 | 8000 |
| **40** | 80 | 18 | 1.1 | 1.1 | 49.1 | 31.9 | 7500 | 9000 |
| | 80 | 18 | 1.1 | 1.1 | 49.1 | 31.9 | 7500 | 9000 |
| | 80 | 18 | 1.1 | 1.1 | 49.1 | 31.9 | 7500 | 9000 |
| | 80 | 18 | 1.1 | 1.1 | 48.5 | 47.7 | 7500 | 9000 |
| | 80 | 18 | 1.1 | 1.1 | 48.5 | 47.7 | 7500 | 9000 |
| | 80 | 18 | 1.1 | 1.1 | 48.5 | 47.7 | 7500 | 9000 |
| | 80 | 18 | 1.1 | 1.1 | 48.5 | 47.7 | 7500 | 9000 |
| | 80 | 18 | 1.1 | 1.1 | 48.5 | 47.7 | 7500 | 9000 |
| | 80 | 18 | 1.1 | 1.1 | 51.2 | 50.4 | 8330 | 10500 |
| | 80 | 18 | 1.1 | 1.1 | 51.2 | 50.4 | 8330 | 10500 |
| | 80 | 18 | 1.1 | 1.1 | 51.2 | 50.4 | 8330 | 10500 |
| | 90 | 23 | 1.5 | 1.5 | 59.8 | 58.4 | 6700 | 8000 |
| | 90 | 23 | 1.5 | 1.5 | 59.8 | 58.4 | 6700 | 8000 |
| | 90 | 23 | 1.5 | 1.5 | 59.8 | 58.4 | 6700 | 8000 |
| | 90 | 23 | 1.5 | 1.5 | 59.8 | 58.4 | 6700 | 8000 |
| | 90 | 23 | 1.5 | 1.5 | 59.8 | 58.4 | 6700 | 8000 |
| | 90 | 23 | 1.5 | 1.5 | 83.6 | 88.4 | 6700 | 8000 |
| | 90 | 23 | 1.5 | 1.5 | 98.9 | 103 | | |
| | 90 | 23 | 1.5 | 1.5 | 59.8 | 58.4 | 6700 | 8000 |
| | 90 | 23 | 1.5 | 1.5 | 59.8 | 58.4 | 6700 | 8000 |
| | 90 | 23 | 1.5 | 1.5 | 87.7 | 87.4 | 6500 | 7500 |
| | 90 | 33 | 1.5 | 1.5 | 111 | 119 | 6300 | 7500 |
| | 110 | 27 | 2 | 2 | 106 | 102 | 6000 | 7000 |
| **45** | 85 | 19 | 1.1 | 1.1 | 60.1 | 62.5 | 6700 | 8000 |
| | 85 | 19 | 1.1 | 1.1 | 64.3 | 68.1 | 6700 | 8000 |
| | 85 | 23 | 1.1 | 1.1 | 66.1 | 79.5 | 6700 | 8000 |

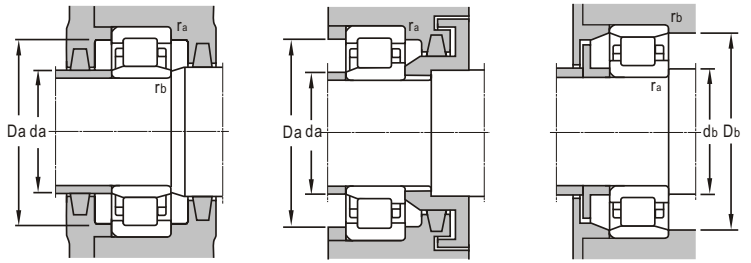



| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | *E* | *F* | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **N 207 ETN1** | 2207 EA | 35 | 48.3 | | 64 | | 42 | | 67.8 | 1.1 | 0.6 | 0.296 |
| **NU 307 M** | 32307H | 35 | | 63.5 | | 46.2 | 43 | 72 | | 1.5 | 1 | 0.546 |
| **NF 307** | 12307 | 35 | 51.5 | 64 | 68.2 | | 43 | | 72 | 1.5 | 1 | 0.509 |
| **NJ 307** | 42307 | 35 | 50.8 | 63.5 | | 46.2 | 43 | 72 | | 1.5 | 1 | 0.505 |
| **NJ 307 E** | 42307E | 35 | 51.1 | 66.3 | | 46.2 | 43 | 72 | | 1.5 | 1 | 0.482 |
| **NJ307ETN1** | 42307EA | 35 | 51.1 | 66.3 | | 46.2 | 43 | 72 | | 1.5 | 1 | 0.482 |
| **NJ 307 EF1** | | 35 | 51.1 | 66.3 | | 46.2 | 43 | 72 | | 1.5 | 1 | 0.676 |
| **NJ307ENV/C9** | | 35 | 52.2 | 64.4 | | 46.2 | 44 | 72 | | 1.5 | 1 | 0.531 |
| **NJ 307 EV** | | 35 | 52.2 | 64.4 | | 46.2 | 44 | 72 | | 1.5 | 1 | 0.537 |
| **NJ 2307** | 42607H | 35 | 50.8 | 63.5 | | 46.2 | 42 | 72 | | 1.5 | 1 | 0.876 |
| **NJ2307EF1** | | 35 | 55.1 | 66.3 | | 46.2 | 42 | 72 | | 1.5 | 1 | 0.936 |
| **NU2307EF1** | | 35 | | 66.3 | | 46.2 | 42 | 72 | | 1.1 | 1 | 0.917 |
| **NJ 407 M** | | 35 | 59 | 78.1 | | 53 | 44 | 92 | | 1.5 | 1.5 | 1.14 |
| **NJ 208 E** | 42208E | 40 | 54.2 | 67.6 | | 49.5 | 47 | 73 | | 1 | 1 | 0.395 |
| **NF 208 E** | 12208E | 40 | 54.2 | 67.6 | 71.5 | | 47 | | 72 | 1 | 1 | 0.392 |
| **NU 208 E** | 32208E | 40 | | 67.6 | | 49.5 | 47 | 70 | | 1 | 1 | 0.383 |
| **N 208 M** | 2208H | 40 | 54.6 | | 70 | | 47 | | 73 | 1 | 1 | 0.439 |
| **N 208** | 2208 | 40 | 54.6 | | 70 | | 47 | | 73 | 1 | 1 | 0.394 |
| **NF 208** | 12208 | 40 | 54.6 | 66 | 70 | | 47 | 73 | | 1 | 1 | 0.404 |
| **NU 208M** | 32208H1 | 40 | | 65.6 | | 50 | 47 | 73 | | 1 | 1 | 0.448 |
| **NJ 208M** | 42208H1 | 40 | 54.2 | 65.6 | | 50 | 47 | 73 | | 1 | 1 | 0.458 |
| **NU 208 ETN1** | 32208EA | 40 | | 67.6 | | 49.5 | 47 | 73 | | 1 | 1 | 0.383 |
| **NJ 208 ETN1** | 42208EA | 40 | 54.2 | 67.6 | | 49.5 | 47 | 73 | | 1 | 1 | 0.395 |
| **NF 208 ETN1** | 12208EA | 40 | 54.2 | 67.6 | 71.5 | | 47 | 73 | | 1 | 1 | 0.392 |
| **N 308** | 2308 | 40 | 58.4 | | 77.5 | | 48 | | 80 | 1.5 | 1.5 | 0.662 |
| **NU308Q1** | 32308Q | 40 | | 72.1 | | 53.5 | 48 | 82 | | 1.5 | 1.5 | 0.761 |
| **NU 308M** | 32308H | 40 | | 72.1 | | 53.5 | 48 | 82 | | 1.5 | 1.5 | 0.760 |
| **NU308L** | 32308L | 40 | | 72.1 | | 53.5 | 48 | 82 | | 1.5 | 1.5 | 0.694 |
| **NJ 308M** | 42308H | 40 | 57.6 | 72.1 | | 53.5 | 48 | 82 | | 1.5 | 1.5 | 0.750 |
| **NU 308 EPC/P5** | | 40 | | 75.5 | | 52 | 49 | 82 | | 1.5 | 1.5 | 0.638 |
| **NJ 308 EV/C9YB2** | | 40 | 59.5 | 76 | | 53.46 | 48 | 82 | | 1.5 | 1.5 | 0.693 |
| **NJ308L** | 42308L2 | 40 | 57.5 | 72.1 | | 53.5 | 48 | 82 | | 1.5 | 1.5 | 0.684 |
| **NF 308 M** | | 40 | 58.4 | 72.5 | 77.5 | | 49 | | 80 | 1.5 | 1.5 | 0.674 |
| **NF308EF1** | | 40 | 57.5 | 75 | 81.3 | | 49 | | 80 | 1.5 | 1.5 | 0.876 |
| **NJ2308E** | | 40 | 57.7 | 75.4 | | 52 | 48 | 82 | | 1.5 | 1.5 | 1.17 |
| **N408M** | | 40 | 66 | | 92 | | 50 | | 93 | 2 | 2 | 1.44 |
| **NJ 209 EM** | | 45 | 59.2 | 72.6 | | 54.5 | 53 | 78 | | 1 | 1 | 0.49 |
| **NJ 209EF1** | | 45 | 59.2 | 72.6 | | 54.5 | 53 | 78 | | 1 | 1 | 0.623 |
| **NU 2209 L1** | | 45 | | 72.4 | | 54.5 | 52 | 78 | | 1 | 1 | 0.567 |

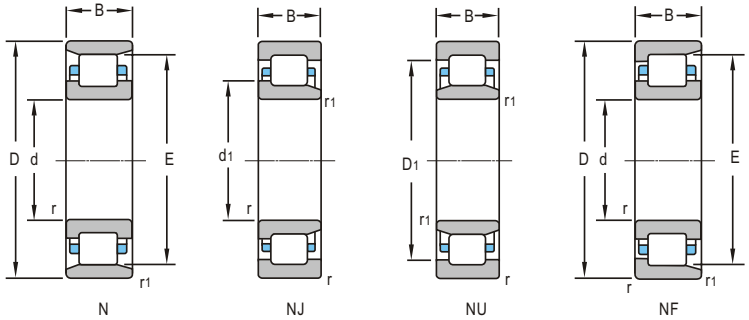


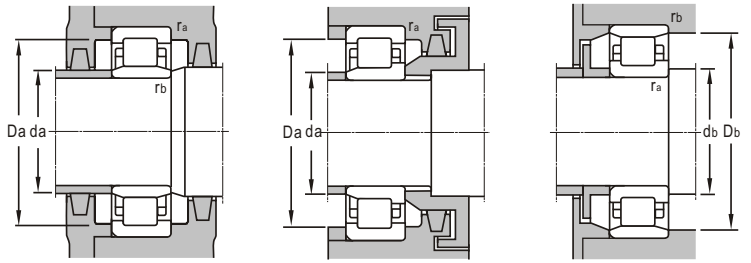

d 45～55mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| d | D | B | $r_{min}$ | $r_{1min}$ | C | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **45** | 85 | 23 | 1.1 | 1.1 | 72.6 | 79.5 | 6700 | 8000 |
| | 85 | 23 | 1.1 | 1.1 | 72.6 | 79.5 | 6700 | 8000 |
| | 85 | 23 | 1.1 | 1.1 | 72.6 | 79.5 | 6700 | 8000 |
| | 100 | 25 | 1.5 | 1.5 | 101 | 103.0 | 6300 | 7500 |
| | 100 | 25 | 1.5 | 1.5 | 79.5 | 78.5 | 6300 | 7500 |
| | 100 | 25 | 1.5 | 1.5 | 79.5 | 78.5 | 6300 | 7500 |
| | 100 | 25 | 1.5 | 1.5 | 79.5 | 78.5 | 6300 | 7500 |
| | 100 | 25 | 1.5 | 1.5 | 79.5 | 78.5 | 6300 | 7500 |
| | 100 | 25 | 1.5 | 1.5 | 79.5 | 78.5 | 6300 | 7500 |
| | 100 | 31 | 1.5 | 1.5 | 130 | 149 | 5600 | 6700 |
| | 100 | 36 | 1.5 | 1.5 | 93.3 | 104 | 5600 | 6700 |
| | 120 | 29 | 2 | 2 | 117 | 115 | 5600 | 6700 |
| **50** | 90 | 20 | 1.1 | 1.1 | 52.3 | 56.8 | 6300 | 7500 |
| | 90 | 20 | 1.1 | 1.1 | 54.8 | 60.3 | 6300 | 7500 |
| | 90 | 20 | 1.1 | 1.1 | 54.8 | 60.3 | 6300 | 7500 |
| | 90 | 20 | 1.1 | 1.1 | 52.3 | 56.8 | 6300 | 7500 |
| | 90 | 20 | 1.1 | 1.1 | 54.8 | 60.3 | 6300 | 7500 |
| | 90 | 20 | 1.1 | 1.1 | 54.8 | 60.3 | 6300 | 7500 |
| | 90 | 20 | 1.1 | 1.1 | 59.9 | 63.4 | 6300 | 7500 |
| | 90 | 20 | 1.1 | 1.1 | 59.9 | 63.4 | 6300 | 7500 |
| | 90 | 23 | 1.1 | 1.1 | 64.1 | 69.1 | 6300 | 7500 |
| | 90 | 23 | 1.1 | 1.1 | 76.2 | 86.4 | 6300 | 7500 |
| | 110 | 27 | 2 | 2 | 90.4 | 90.7 | 5000 | 6000 |
| | 110 | 27 | 2 | 2 | 90.4 | 90.7 | 5000 | 6000 |
| | 110 | 27 | 2 | 2 | 90.4 | 90.7 | 5000 | 6000 |
| | 110 | 27 | 2 | 2 | 90.4 | 90.7 | 5000 | 6000 |
| | 110 | 27 | 2 | 2 | 90.4 | 90.7 | 5000 | 6000 |
| | 110 | 40 | 2 | 2 | 121 | 133 | 5000 | 6000 |
| | 110 | 40 | 2 | 2 | 153 | 172 | 5000 | 6000 |
| **55** | 100 | 21 | 1.5 | 1.1 | 87 | 100 | 6000 | 7000 |
| | 100 | 21 | 1.5 | 1.1 | 87 | 100 | 6000 | 7000 |
| | 100 | 21 | 1.5 | 1.1 | 87 | 100 | 6000 | 7000 |
| | 100 | 21 | 1.5 | 1.1 | 87 | 100 | 6000 | 7000 |
| | 120 | 29 | 2 | 2 | 110 | 110 | 4800 | 5600 |
| | 120 | 29 | 2 | 2 | 110 | 110 | 4800 | 5600 |
| | 120 | 29 | 2 | 2 | 110 | 110 | 4800 | 5600 |
| | 120 | 29 | 2 | 2 | 110 | 110 | 4800 | 5600 |
| | 120 | 29 | 2 | 2 | 140 | 146 | 4800 | 5600 |
| | 120 | 43 | 2 | 2 | 148 | 162 | 4800 | 5600 |




| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | E | F | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **NJ 2209 EF1** | | 45 | 59.2 | 72.6 | | 54.5 | 52 | 78 | | 1 | 1 | 0.767 |
| **NJ 2209 EM1** | | 45 | | 72.4 | | 54.5 | 52 | 78 | | 1 | 1 | 0.624 |
| **NU 2209 EM** | | 45 | | 72.4 | | 54.5 | 52 | 78 | | 1 | 1 | 0.63 |
| **NF309EF1** | | 45 | 64.7 | 83.6 | 90 | | 53 | 92 | 92 | 1.5 | 1.5 | 1.24 |
| **N 309** | 2309 | 45 | 64 | | 86.5 | | 53 | | 89 | 1.5 | 1.5 | 0.876 |
| **NU 309M** | 32309H | 45 | | 80.2 | | 58.5 | 53 | 92 | | 1.5 | 1.5 | 1.01 |
| **NU 309L** | 32309L | 45 | | 80.2 | | 58.5 | 53 | 92 | | 1.5 | 1.5 | 0.9 |
| **NJ 309M** | 42309H | 45 | 62.9 | 80.2 | | 58.5 | 53 | 92 | | 1.5 | 1.5 | 1.03 |
| **NJ 309L** | 42309L | 45 | 62.9 | 80.2 | | 58.5 | 53 | 92 | | 1.5 | 1.5 | 0.922 |
| **NJ2309 X2V/C9** | | 45 | 63.5 | 80.2 | | 57.87 | 53 | 92 | | 1.5 | 1.5 | 1.21 |
| **N 2309M** | 2609H | 45 | 64 | | 86.5 | | 53 | | 89 | 1.5 | 1.5 | 1.51 |
| **NJ 409 M** | | 45 | 72 | 94 | | 64.5 | 55 | 110 | | 2 | 2 | 1.85 |
| **N 210** | 2210 | 50 | 64.6 | | 80.4 | | 56.5 | | 83.5 | 1 | 1 | 0.513 |
| **NU 210M** | 32210H | 50 | | 76.25 | | 60.4 | 56.5 | 83.5 | | 1 | 1 | 0.564 |
| **NU 210L** | 32210L | 50 | | 76.25 | | 60.4 | 56.5 | 83.5 | | 1 | 1 | 0.51 |
| **NU 210Q1** | 32210Q1 | 50 | | 76.25 | | 60.4 | 56.5 | 83.5 | | 1 | 1 | 0.546 |
| **NJ 210M** | 42210H | 50 | 64 | 76.25 | | 60.4 | 56.5 | 83.5 | | 1 | 1 | 0.581 |
| **NJ 210L** | 42210L | 50 | 64 | 76.25 | | 60.4 | 56.5 | 83.5 | | 1 | 1 | 0.527 |
| **NJ 210EM** | | 50 | 64 | 77.6 | | 59.5 | 56.5 | 83.5 | | 1 | 1 | 0.577 |
| **NU 210EM** | | 50 | | 77.6 | | 59.5 | 56.5 | 83.5 | | 1 | 1 | 0.559 |
| **NU 2210 EM** | | 50 | | 77.6 | | 59.5 | 56.5 | 83.5 | | 1 | 1 | 0.625 |
| **NU 2210 EM1** | | 50 | | 78 | | 59.5 | 56.5 | 83.5 | | 1 | 1 | 0.648 |
| **N 310** | 2310 | 50 | 71 | | 95 | | 59 | | 98 | 2 | 2 | 1.15 |
| **NU 310** | 32310 | 50 | | 89.6 | | 65 | 59 | 101 | | 2 | 2 | 1.14 |
| **NU 310M** | 32310H | 50 | | 89.6 | | 65 | 59 | 101 | | 2 | 2 | 1.29 |
| **NJ 310** | 42310 | 50 | 70.2 | 89.6 | | 65 | 59 | 101 | | 2 | 2 | 1.17 |
| **NJ 310M** | 42310H | 50 | 70.2 | 89.6 | | 65 | 59 | 101 | | 2 | 2 | 1.32 |
| **NU 2310M** | 32610H | 50 | | 88.1 | | 65 | 59 | 101 | 101 | 2 | 2 | 2.01 |
| **NJ 2310 EM/C9S0** | | 50 | 71 | 91.8 | | 65 | 59 | 101 | | 2 | 2 | 2.02 |
| **NJ 211 E** | 42211E | 55 | 70.9 | 86.3 | | 66 | 61.5 | 91 | | 1.5 | 1 | 0.753 |
| **NJ 211 EF1** | | 55 | 70.9 | 86.3 | | 66 | 61.5 | 91 | | 1.5 | 1 | 0.796 |
| **NF 211 E** | | 55 | 70.9 | 86.5 | 90 | | 61.5 | 91 | | 1.5 | 1 | 0.741 |
| **NU 211 EF1** | | 55 | | 86.5 | | 66 | 61.5 | 91 | | 1.5 | 1 | 0.726 |
| **N 311** | 2311 | 55 | 77 | | 104.5 | | 64 | | 107 | 2 | 2 | 1.53 |
| **N 311M** | 2311H | 55 | 77 | | 104.5 | | 64 | | 107 | 2 | 2 | 1.67 |
| **NU 311 M** | 32311H | 55 | | 98.5 | | 70.5 | 64 | 111 | | 2 | 2 | 1.71 |
| **NF 311** | 12311 | 55 | 77 | 99 | 104.5 | | 64 | 111 | 107 | 2 | 2 | 1.54 |
| **NU 311 EPC/P5** | | 55 | | 100.6 | | 70.5 | 64 | 111 | | 2 | 2 | 1.44 |
| **NU 2311 M** | 32611H | 55 | | 98.5 | | 70.5 | 64 | 111 | | 2 | 2 | 2.77 |

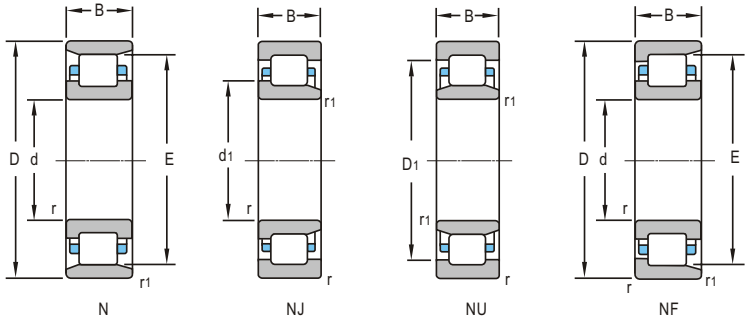


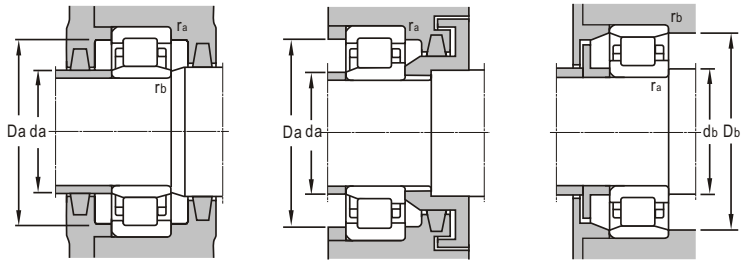




d 55～65mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| d | D | B | $r_{min}$ | $r_{1min}$ | C | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **55** | 120 | 43 | 2 | 2 | 148 | 162 | 4800 | 5600 |
| | 120 | 43 | 2 | 2 | 202 | 235 | 4800 | 5600 |
| | 140 | 33 | 2.1 | 2.1 | 139 | 138 | 4800 | 5600 |
| | 140 | 33 | 2.1 | 2.1 | 139 | 138 | 4800 | 5600 |
| **60** | 95 | 18 | 1.1 | 1 | 48.7 | 62.3 | 6700 | 8000 |
| | 110 | 22 | 1.5 | 1.5 | 73.3 | 82 | 5300 | 6300 |
| | 110 | 22 | 1.5 | 1.5 | 98.5 | 108.6 | 5300 | 6300 |
| | 110 | 22 | 1.5 | 1.5 | 76 | 87 | 5300 | 6300 |
| | 110 | 22 | 1.5 | 1.5 | 76 | 87 | 5300 | 6300 |
| | 130 | 31 | 2.1 | 2.1 | 126 | 130 | 4300 | 5000 |
| | 130 | 31 | 2.1 | 2.1 | 135 | 140 | 4300 | 5000 |
| | 130 | 31 | 2.1 | 2.1 | 126 | 130 | 4300 | 5000 |
| | 130 | 31 | 2.1 | 2.1 | 126 | 130 | 4300 | 5000 |
| | 130 | 31 | 2.1 | 2.1 | 135 | 140 | 4300 | 5000 |
| | 130 | 31 | 2.1 | 2.1 | 126 | 130 | 4300 | 5000 |
| | 130 | 31 | 2.1 | 2.1 | 135 | 140 | 4300 | 5000 |
| | 130 | 31 | 2.1 | 2.1 | 155 | 164 | 4300 | 5000 |
| | 130 | 31 | 2.1 | 2.1 | 155 | 164 | 4300 | 5000 |
| | 130 | 46 | 2.1 | 2.1 | 222 | 262 | 4300 | 5000 |
| | 130 | 46 | 2.1 | 2.1 | 222 | 262 | 300 | 5000 |
| | 140 | 51 | 2.5 | 2.5 | 145 | 108 | 4300 | 5000 |
| | 150 | 35 | 2.1 | 2.1 | 167 | 168 | 4300 | 5000 |
| | 150 | 35 | 2.1 | 2.1 | 167 | 168 | 4300 | 5000 |
| | 150 | 35 | 2.1 | 2.1 | 206 | 220 | 4300 | 5000 |
| **65** | 100 | 18 | 1.1 | 1 | 41.0 | 51 | 6300 | 7500 |
| | 120 | 23 | 1.5 | 1.5 | 85 | 96.1 | 4800 | 5600 |
| | 120 | 23 | 1.5 | 1.5 | 85 | 96.1 | 4800 | 5600 |
| | 120 | 31 | 1.5 | 1.5 | 144 | 172 | 4800 | 5600 |
| | 120 | 31 | 1.5 | 1.5 | 144 | 172 | 4800 | 5600 |
| **65** | 140 | 33 | 2.1 | 2.1 | 140 | 146 | 4000 | 4800 |
| | 140 | 33 | 2.1 | 2.1 | 140 | 146 | 4000 | 4800 |
| | 140 | 33 | 2.1 | 2.1 | 140 | 146 | 4000 | 4800 |
| | 140 | 33 | 2.1 | 2.1 | 140 | 146 | 4000 | 4800 |
| | 140 | 33 | 2.1 | 2.1 | 140 | 146 | 4000 | 4800 |
| | 140 | 33 | 2.1 | 2.1 | 177 | 211 | 4000 | 4800 |
| | 140 | 33 | 2.1 | 2.1 | 177 | 211 | 4000 | 4800 |
| | 140 | 33 | 2.1 | 2.1 | 140 | 146 | 4000 | 4800 |
| | 140 | 33 | 2.1 | 2.1 | 140 | 146 | 4000 | 4800 |
| | 140 | 33 | 2.1 | 2.1 | 140 | 146 | 4000 | 4800 |

| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | E | F | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **NJ 2311 M** | 42611 H | 55 | 76 | 98.5 | | 70.5 | 64 | 111 | | 2 | 2 | 2.93 |
| **NJ 2311EF1/C4YB** | | 55 | 77.5 | 100 | | 77.2 | 64 | 111 | | 2 | 2 | 2.45 |
| **NU 411M** | 32411H | 55 | | 108 | | 77.2 | 66 | 129 | | 2 | 2 | 3.24 |
| **NJ 411M** | 42411 H | 55 | 85 | 108 | | 77.2 | 66 | 129 | | 2 | 2 | 3.29 |
| **NU1012 M** | | 60 | | 82.2 | | 69.5 | 65 | 88.5 | | 1 | 1 | 0.49 |
| **N 212** | 2212 | 60 | 78.4 | | 97.5 | | 68 | | 100 | 1.5 | 1.5 | 0.872 |
| **NJ 212 E** | 42212E | 60 | 77.6 | 95 | | 72 | 68 | 102 | | 1.5 | 1.5 | 0.705 |
| **NU 212M** | 32212H | 60 | | 92.2 | | 73.5 | 68 | 102 | | 1.5 | 1.5 | 0.955 |
| **NJ 212M** | 42212H | 60 | 77.6 | 92.2 | | 73.5 | 68 | 102 | | 1.5 | 1.5 | 0.981 |
| **N 312** | 2312 | 60 | 82.6 | | 113 | | 71 | | 116 | 2 | 2 | 1.86 |
| **N 312M** | 2312H | 60 | 85.4 | | 113 | | 71 | | 116 | 2 | 2 | 2.05 |
| **NU 312** | 32312 | 60 | | 106.5 | | 77 | 71 | 120 | | 2 | 2 | 1.86 |
| **NU 312Q1** | 32312Q | 60 | | 106.5 | | 77 | 71 | 120 | | 2 | 2 | 2.08 |
| **NU 312M** | 32312H | 60 | | 106.5 | | 77 | 71 | 120 | | 2 | 2 | 2.08 |
| **NJ 312** | 42312 | 60 | 84.2 | 106.5 | | 77 | 71 | 120 | | 2 | 2 | 1.9 |
| **NJ 312M** | 42312H | 60 | 84.2 | 106.5 | | 77 | 71 | 120 | | 2 | 2 | 2.12 |
| **NJ 312 EF1** | | 60 | 84.3 | 109 | | 77 | 71 | 120 | | 2 | 2 | 1.95 |
| **NU 312 EPC/P5** | | 60 | | 110 | | 77 | 71 | 120 | | 2 | 2 | 1.82 |
| **N 2312EF1** | | 60 | 84.3 | | 115 | | 71 | | 116 | 2 | 2 | 2.9 |
| **NJ2312EF1** | | 60 | 84.3 | 108 | | 77 | 71 | 120 | | 2 | 2 | 2.99 |
| **N 612/C9** | 2712 U | 60 | 86 | | 122 | | 75 | | 125 | 2 | 2 | 3.21 |
| **N 412M** | 2412H | 60 | 91.65 | | 127 | | 71 | | 128 | 2 | 2 | 3.52 |
| **NJ 412** | 42412 | 60 | 91 | 118.8 | | 83 | 71 | 138 | | 2 | 2 | 3.21 |
| **NJ 412 EF1** | | 60 | 91.5 | 121 | | 83 | 72 | 138 | | 2 | 2 | 3.14 |
| **NU 1013M** | 32113H | 65 | | 86.6 | | 74.5 | 70 | 93.5 | | 1 | 1 | 0.522 |
| **NJ 213 M** | | 65 | 85 | 101.6 | | 79.5 | 74 | 111 | | 1.5 | 1.5 | 1.18 |
| **N 213 M** | | 65 | 85 | | 105.5 | | 74 | | 108 | 1.5 | 1.5 | 1.15 |
| **NU2213EM** | | 65 | | 104 | | 78.5 | 74 | 111 | | 1.5 | 1.5 | 1.63 |
| **NU2213ENM** | | 65 | | 104 | | 78.5 | 74 | 111 | | 1.5 | 1.5 | 1.61 |
| **N 313** | 2313 | 65 | 91 | | 121.5 | | 77 | | 125 | 2 | 2 | 2.32 |
| **N 313M** | 2313H | 65 | 92.3 | | 121.5 | | 77 | | 125 | 2 | 2 | 2.58 |
| **NU 313M** | 32313H | 65 | | 114.9 | | 83.5 | 77 | 129 | | 2 | 2 | 2.51 |
| **NU 313Q1** | 32313Q | 65 | | 114.9 | | 83.5 | 77 | 129 | | 2 | 2 | 2.53 |
| **NJ 313M** | 42313H | 65 | 91 | 114.9 | | 83.5 | 77 | 129 | | 2 | 2 | 2.57 |
| **NJ 313 E** | | 65 | 90.6 | 118.8 | | 82.5 | 77 | 129 | | 2 | 2 | 2.45 |
| **NU 313 EF1** | | 65 | | 118.8 | | 82.5 | 77 | 128 | | 2 | 2 | 2.41 |
| **N 313Q1/P6 S0** | | 65 | 92.3 | | 121.5 | | 77 | | 125 | 2 | 2 | 2.54 |
| **NU 313Q1/P63 S0** | | 65 | | 114.9 | | 83.5 | 77 | 129 | | 2 | 2 | 2.53 |
| **NJ 313Q1/P63 S0** | | 65 | 90.5 | 114.9 | | 83.5 | 77 | 129 | | 2 | 2 | 2.6 |

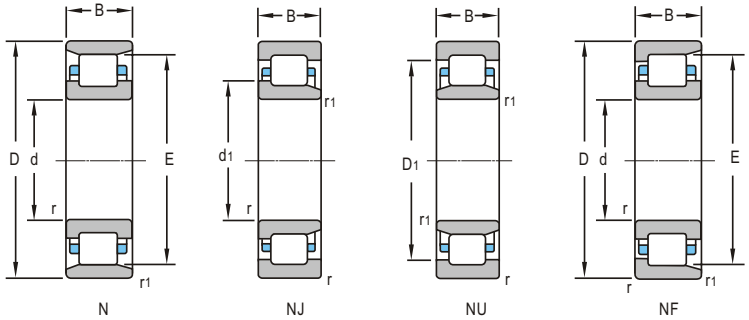


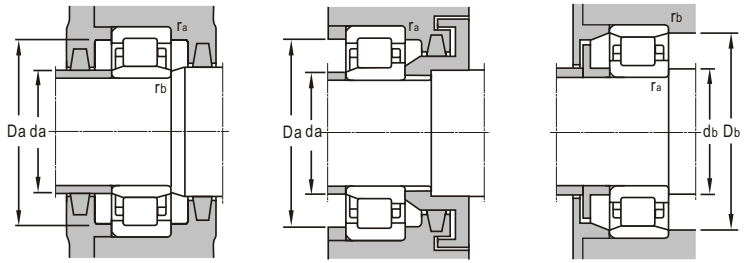




d 65～75mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | $r_{1min}$ | *C* | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **65** | 140 | 48 | 2.1 | 2.1 | 238 | 276 | 4000 | 4800 |
| **70** | 125 | 24 | 1.5 | 1.5 | 83.5 | 95.0 | 4500 | 5300 |
| | 125 | 24 | 1.5 | 1.5 | 83.5 | 95.0 | 4500 | 5300 |
| | 125 | 24 | 1.5 | 1.5 | 123 | 143 | 4500 | 5300 |
| | 125 | 24 | 1.5 | 1.5 | 112 | 126 | 4500 | 5300 |
| | 125 | 24 | 4 | 1.5 | 123 | 143 | 4500 | 5300 |
| | 125 | 24 | 1.5 | 1.5 | 123 | 143 | 4500 | 5300 |
| | 125 | 24 | 1.5 | 1.5 | 123 | 143 | 4500 | 5300 |
| | 125 | 31 | 1.5 | 1.5 | 145 | 185 | 4500 | 5300 |
| | 133 | 35 | 201 | | 209 | 228 | | |
| | 150 | 35 | 2.1 | 2.1 | 173 | 189 | 3600 | 4300 |
| | 150 | 35 | 2.1 | 2.1 | 173 | 189 | 3600 | 4300 |
| | 150 | 35 | 2.1 | 2.1 | 173 | 189 | 3600 | 4300 |
| | 150 | 35 | 2.1 | 2.1 | 173 | 189 | 3600 | 4300 |
| | 150 | 35 | 2.1 | 2.1 | 173 | 189 | 3600 | 4300 |
| | 150 | 35 | 2.1 | 2.1 | 173 | 189 | 3600 | 4300 |
| | 150 | 35 | 2.1 | 2.1 | 209 | 228 | 3600 | 4300 |
| | 150 | 35 | 2.1 | 2.1 | 209 | 228 | 3600 | 4300 |
| | 150 | 35 | 2.1 | 2.1 | 209 | 228 | 3600 | 4300 |
| | 150 | 51 | 2.1 | 2.1 | 274 | 322 | 3600 | 4300 |
| | 150 | 51 | 2.1 | 2.1 | 258 | 298 | 3600 | 4300 |
| | 180 | 42 | 3 | 3 | 250 | 266 | 3600 | 4300 |
| **75** | 115 | 20 | 1.1 | 1 | 66.8 | 85.5 | 5600 | 6700 |
| | 130 | 25 | 1.5 | 1.5 | 123 | 146 | 4500 | 5300 |
| | 130 | 25 | 1.5 | 1.5 | 134 | 162 | 4500 | 5300 |
| | 160 | 37 | 2.1 | 2.1 | 190 | 205 | 3400 | 4000 |
| | 160 | 37 | 2.1 | 2.1 | 190 | 205 | 3400 | 4000 |
| | 160 | 37 | 2.1 | 2.1 | 190 | 205 | 3400 | 4000 |
| | 160 | 37 | 2.1 | 2.1 | 190 | 205 | 3400 | 4000 |
| | 160 | 37 | 2.1 | 2.1 | 190 | 205 | 3400 | 4000 |
| | 160 | 37 | 2.1 | 2.1 | 217 | 236 | 3400 | 4000 |
| | 160 | 37 | 2.1 | 2.1 | 172 | 172 | 3400 | 4000 |
| | 160 | 37 | 2.1 | 2.1 | 217 | 236 | 3400 | 4000 |
| | 160 | 37 | 2.1 | 2.1 | 217 | 236 | 3400 | 4000 |
| | 160 | 37 | 2.1 | 2.1 | 217 | 236 | 3400 | 4000 |
| | 160 | 37 | 2.1 | 2.1 | 190 | 205 | 3400 | 4000 |
| | 160 | 37 | 2.1 | 2.1 | 182 | 200 | 3400 | 4000 |
| | 160 | 37 | 2.1 | 2.1 | 182 | 200 | 3400 | 4000 |
| | 190 | 45 | 3 | 3 | 301 | 329 | 3400 | 4000 |
| | 160 | 55 | 2.1 | 2.1 | 308 | 361 | 3400 | 4000 |

| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | *E* | *F* | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **NU 2313 EM** | 32613EH | 65 | | 119 | | 82.5 | 77 | 129 | | 2 | 2 | 3.71 |
| **NJ 214M** | 42214H | 70 | 88.6 | 105.1 | | 84.5 | 78 | 117 | | 1.5 | 1.5 | 1.36 |
| **NU 214M** | 32214H | 70 | | 105.1 | | 84.5 | 78 | 117 | | 1.5 | 1.5 | 1.34 |
| **N 214 EL** | 2214EL | 70 | 89.6 | | 114 | | 78 | | 114 | 1.5 | 1.5 | 1.21 |
| **N 214 EM** | | 70 | 89.6 | | | 83.5 | 78 | | 114 | 1.5 | 1.5 | 1.33 |
| **NF 214/C9YB2** | | 70 | 89.6 | 109 | 114 | | 78 | | 114 | 3 | 1.5 | 1.25 |
| **NJ 214 EF1** | | 70 | 89.6 | 109 | | 83.5 | 78 | 117 | | 1.5 | 1.5 | 1.25 |
| **NJ 214 EF1/YB2** | | 70 | 89.6 | 109 | | 83.5 | 78 | 117 | | 1.5 | 1.5 | 1.25 |
| **NJ2214EM** | 42514EH | 70 | 89.4 | 10 | | 83.5 | 78 | 117 | | 1.5 | 1.5 | 1.93 |
| **RN 214 EM/HE** | | 70 | 98 | 9 | | | 80 | | | 2 | | 2.16 |
| **N 314** | 2314 | 70 | 97.8 | | 130 | | 81 | | 134 | 2 | 2 | 2.73 |
| **N 314 M** | 2314H | 70 | 99.3 | | 130 | | 81 | | 134 | 2 | 2 | 3.02 |
| **NU 314M** | 32314H | 70 | | 120.5 | | 90 | 81 | 139 | | 2 | 2 | 3.09 |
| **NU 314Q1** | 32314Q | 70 | | 120.5 | | 90 | 81 | 139 | | 2 | 2 | 3.12 |
| **NJ 314M** | 42314H | 70 | 98 | 120.5 | | 90 | 81 | 139 | | 2 | 2 | 3.18 |
| **NJ 314Q1** | 42314Q | 70 | 98 | 120.5 | | 90 | 81 | 139 | 139 | 2 | 2 | 3.12 |
| **NJ 314 EF1** | | 70 | 97.5 | 126 | | 89 | 81 | 139 | | 2 | 2 | 2.97 |
| **NU 314 EF1/C4YB** | | 70 | | 126 | | 89 | 81 | 139 | | 2 | 2 | 2.97 |
| **NU 314 ENM** | | 70 | | 125 | | 89 | 81 | 139 | | 2 | 2 | 3.2 |
| **NJ 2314 EF1** | | 70 | 97.5 | 126 | | 89 | 81 | 139 | | 2 | 2 | 5.6 |
| **NJ 2314 EM** | | 70 | 97.5 | 126 | | 89 | 81 | 139 | | 2 | 2 | 4.4 |
| **N 414 M/YA1** | | 70 | 110 | | 152 | | 81 | 167 | | 2.5 | 2.5 | 6.1 |
| **NU 1015M** | | 75 | | 100.6 | | 85 | 80 | 108.5 | | 1 | 1 | 0.728 |
| **NJ215EQ1/P63SO** | | 75 | 95 | 113 | | 88.5 | 84 | 121 | | 1.5 | 1.5 | 1.45 |
| **N 215 EF1** | | 75 | 94.6 | | 118.5 | | 84 | | 120 | 1.5 | 1.5 | 1.8 |
| **N315M** | 2315H | 75 | 103.7 | | 139.5 | | 86 | | 143 | 2 | 2 | 3.77 |
| **N 315** | 2315 | 75 | 103.7 | | 139.5 | | 86 | | 143 | 2 | 2 | 3.49 |
| **NU315M** | 32315H | 75 | | 130.2 | | 95.5 | 86 | 148 | | 2 | 2 | 3.80 |
| **NU315Q1** | 32315Q | 75 | | 130.2 | | 95.5 | 86 | 148 | | 2 | 2 | 3.68 |
| **NU 315** | 32315 | 75 | | 130.2 | | 95.5 | 86 | 148 | | 2 | 2 | 3.34 |
| **N315EF1** | 2315EW1 | 75 | 104.2 | | 143 | | 86 | | 143 | 2 | 2 | 3.56 |
| **NJ 315** | 42315 | 75 | 102.2 | 130.2 | | 95.5 | 86 | 148 | | 2 | 2 | 3.959 |
| **NU 315 E** | 32315E | 75 | | 136.5 | | 95 | 86 | 148 | | 2 | 2 | 3.71 |
| **NU315EF1** | 32315EW1 | 75 | | 136.5 | | 95 | 86 | 148 | | 2 | 2 | 3.71 |
| **NJ 315 EF1** | 42315EW1 | 75 | 104.2 | 136.5 | | 95 | 86 | 148 | | 2 | 2 | 3.63 |
| **NJ315M** | 42315H | 75 | | 130.2 | | 95.5 | 86 | 148 | | 2 | 2 | 3.96 |
| **NJ315Q1/P63S0** | 3E42315QT | 75 | 104.8 | 128.8 | | 96.5 | 86 | 148 | | 2 | 2 | 3.81 |
| **NU315Q1/P63S0** | | 75 | 102.2 | 128.8 | | 96.5 | 86 | 148 | | 2 | 2 | 3.76 |
| **NJ 415 F1** | | 75 | 116 | 149.8 | | 104.5 | 88 | 177 | | 2 | 2 | 8.73 |
| **NU2315 EM** | 32615 EH | 75 | | 136 | | 95 | 86 | 148 | | 2 | 2 | 5.58 |

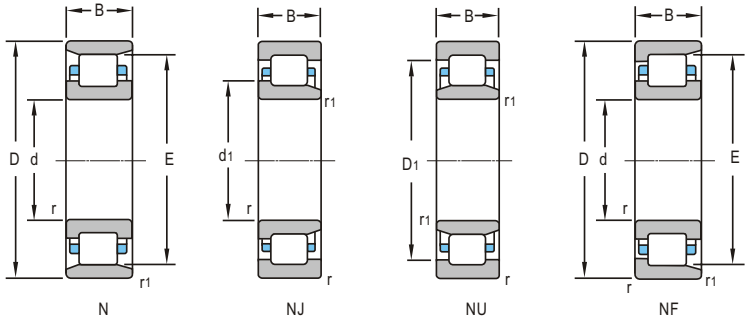



d 75～95mm

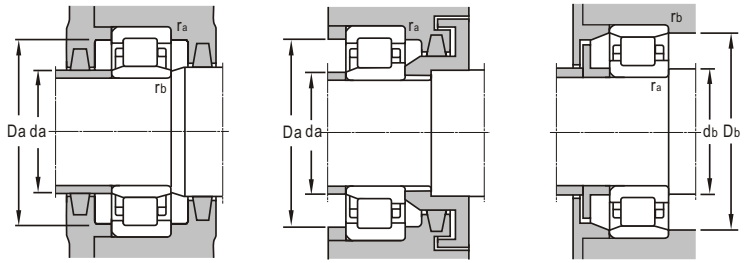
| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | $r_{1min}$ | *C* | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **75** | 160 | 55 | 2.1 | 2.1 | 308 | 361 | 3400 | 4000 |
| | 160 | 68.3 | 2.1 | 2.1 | 321 | 306 | 2500 | 3000 |
| **80** | 140 | 26 | 2 | 2 | 121 | 145 | 4000 | 4800 |
| | 140 | 26 | 2 | 2 | 121 | 145 | 4000 | 4800 |
| | 140 | 26 | 2 | 2 | 121 | 145 | 4000 | 4800 |
| | 140 | 26 | 2 | 2 | 121 | 145 | 4000 | 4800 |
| | 140 | 26 | 2 | 2 | 131 | 154 | 4000 | 4800 |
| | 140 | 26 | 2 | 2 | 127 | 95.8 | 4000 | 4800 |
| | 140 | 33 | 2 | 2 | 187 | 245 | 4000 | 4800 |
| | 170 | 39 | 2.1 | 2.1 | 262 | 291 | 3200 | 3800 |
| | 170 | 39 | 2.1 | 2.1 | 233 | 249 | 3200 | 3800 |
| | 170 | 39 | 2.1 | 2.1 | 262 | 299 | 3200 | 3800 |
| | 170 | 58 | 2.1 | 2.1 | 274 | 330 | 3200 | 3800 |
| | 170 | 58 | 2.1 | 2.1 | 274 | 330 | 3200 | 3800 |
| **85** | 130 | 22 | 1.1 | 1 | 74 | 108 | 5000 | 6000 |
| | 180 | 41 | 3 | 3 | 242 | 273 | 3000 | 3600 |
| | 180 | 41 | 3 | 3 | 242 | 273 | 3000 | 3600 |
| | 180 | 41 | 3 | 3 | 242 | 273 | 3000 | 3600 |
| | 180 | 41 | 3 | 3 | 298 | 339 | 3000 | 3600 |
| | 180 | 41 | 3 | 3 | 250 | 270 | 3000 | 3600 |
| | 180 | 60 | 3 | 3 | 315 | 380 | 3000 | 3600 |
| | 180 | 60 | 3 | 3 | 380 | 475 | 3000 | 3600 |
| | 180 | 60 | 3 | 3 | 315 | 380 | 3000 | 3600 |
| | 180 | 60 | 3 | 3 | 380 | 475 | 3000 | 3600 |
| | 180 | 60 | 3 | 3 | 380 | 475 | 3000 | 3600 |
| **90** | 160 | 30 | 2 | 2 | 163 | 195 | 3600 | 4300 |
| | 160 | 30 | 2 | 2 | 163 | 195 | 3600 | 4300 |
| | 160 | 30 | 2 | 2 | 163 | 195 | 3600 | 4300 |
| | 190 | 43 | 3 | 3 | 261 | 297 | 2800 | 3400 |
| | 190 | 43 | 3 | 3 | 261 | 297 | 2800 | 3400 |
| | 190 | 43 | 3 | 3 | 322 | 362 | 2800 | 3400 |
| | 190 | 43 | 3 | 3 | 261 | 297 | 2800 | 3400 |
| | 190 | 43 | 3 | 3 | 355 | 362 | 2800 | 3400 |
| | 190 | 64 | 3 | 3 | 430 | 530 | 2800 | 3400 |
| | 190 | 64 | 3 | 3 | 430 | 530 | 2800 | 3400 |
| **95** | 200 | 45 | 3 | 3 | 340 | 395 | 2600 | 3200 |
| | 200 | 45 | 3 | 3 | 340 | 395 | 2600 | 3200 |

| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | *E* | *F* | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **NJ 2315 EM** | | 75 | 104 | 136 | | 95 | 86 | 148 | | 2 | 2 | 5.69 |
| **NU 3315M** | 3032315H | 75 | | 130.2 | | 95.5 | 86 | 148 | | 2 | 2 | 7.39 |
| **NJ216** | 42216 | 80 | 101 | 118.3 | | 95.3 | 89 | 131 | | 2 | 2 | 1.63 |
| **N 216M** | 2216H | 80 | 102 | | 125 | | 89 | | 128 | 2 | 2 | 1.72 |
| **NU 216** | 32216 | 80 | | 118.3 | | 95.3 | 89 | 131 | | 2 | 2 | 1.59 |
| **NJ 216M** | 42216H | 80 | 101 | 118.3 | | 95.3 | 89 | 131 | | 2 | 2 | 1.78 |
| **NU 216 E** | 32216E | 80 | | 122 | | 95.3 | 89 | 131 | | 2 | 2 | 1.52 |
| **NU 216 EF1** | 32216 EW1 | 80 | | 118.3 | | 95.3 | 89 | | 128 | 2 | 2 | 1.64 |
| **NU 2216 EQ1/P63S0** | | 80 | | 122.5 | | 95.3 | 89 | 131 | | 2 | 2 | 2.32 |
| **NU316EF1** | | 80 | | 144.2 | | 101 | 91 | 159 | | 2 | 2 | 4.23 |
| **N316EM** | | 80 | 110 | | 151 | | 91 | | 151 | 2 | 2 | 4.34 |
| **NU 316EM** | | 80 | | 144.2 | | 101 | 91 | 159 | | 2 | 2 | 4.35 |
| **NU 2316L** | 32616L | 80 | | 139 | | 103 | 91 | 159 | | 2 | 2 | 6.10 |
| **NJ 2316L** | 42616L | 80 | 111 | 139 | | 103 | 91 | 159 | | 2 | 2 | 6.21 |
| **NU1017 M1** | | 85 | | 114 | | 96.5 | 90 | 123.5 | | 1 | 1 | 1.06 |
| **N317L** | 2317L | 85 | 115.5 | | 156 | | 99 | | 162 | 2.5 | 2.5 | 4.78 |
| **N317L/YB2** | 2317L(Y) | 85 | 115.5 | | 156 | | 103 | | 162 | 2.5 | 2.5 | 4.7 |
| **NJ317Q1/C63S0** | 3E42317QT | 85 | 118 | 145.5 | | 108.5 | 99 | 166 | | 2.5 | 2.5 | 5.29 |
| **N317EF1** | | 85 | 117.4 | | 160 | | 98 | | 162 | 2.5 | 2.5 | 6.51 |
| **N 317 EM** | | 85 | 117.5 | | 160 | | 98 | | 162 | 2.5 | 2.5 | 5.02 |
| **NU 2317M** | 32617H | 85 | | 147.3 | | 108 | 108 | 108 | 108 | 108 | 108 | 8.00 |
| **NU2317EM** | 32617EH | 85 | | 153 | | 108 | 98 | 166 | | 2.5 | 2.5 | 8.1 |
| **NJ 2317M** | 42617H | 85 | 114 | 147.3 | | 108 | 98 | 166 | | 2.5 | 2.5 | 8.58 |
| **NU 2317 EF1** | 32617E | 85 | | 153 | | 108 | 98 | 166 | | 2.5 | 2.5 | 6.9 |
| **NU 2317 EM/YA1** | 32617EHY | 85 | | 153 | | 108 | 98 | 166 | | 2.5 | 2.5 | 8.1 |
| **N218M** | | 90 | 113.6 | | 143 | | 100 | 150 | | 2 | 2 | 2.55 |
| **NU218M** | | 90 | | 134.5 | | 107 | 100 | 150 | 150 | 2 | 2 | 2.62 |
| **NF 218M** | | 90 | 113.6 | 136 | 143 | | | 150 | | 2 | 2 | 2.42 |
| **NU 318M** | 32318H | 90 | | 153.5 | | 115 | 104 | 176 | | 2.5 | 2.5 | 6.2 |
| **NU 318Q1/P63S0** | 3E32318QT | 90 | | 153.5 | | 115 | 104 | 176 | | 2.5 | 2.5 | 6.2 |
| **NU318EF1** | | 90 | | 161 | | 113.5 | 104 | 176 | | 2.5 | 2.5 | 7.7 |
| **N 318** | 2318 | 90 | 125 | | 165 | | 104 | | 169 | 2.5 | 2.5 | 5.46 |
| **NU 318EM** | | | | | | | | | | | | |
| **NU2318M** | | 90 | | 159.3 | | 113.5 | 104 | 176 | | 2.5 | 2.5 | 8.87 |
| **NJ 2318 EM/C9S0** | | 90 | 124.4 | 159.3 | | 113.5 | 104 | 176 | | 2.5 | 2.5 | 9.51 |
| **N 319 EL** | 2319EL | 95 | 132 | | 177.5 | | 108 | | 178 | 2.5 | 2.5 | 6.44 |
| **NU319EL1** | | 95 | | 170 | | 121.5 | 108 | 186 | | 2.5 | 2.5 | 6.52 |

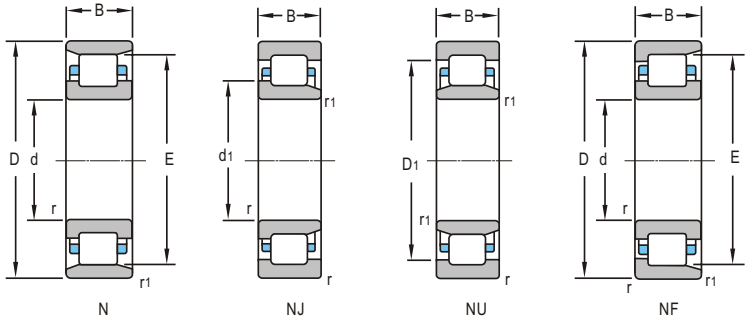


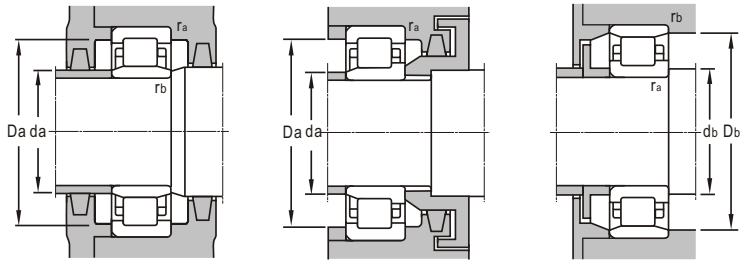

d 95～120mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | $r_{1min}$ | *C* | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **95** | 200 | 45 | 3 | 3 | 340 | 395 | 2600 | 3200 |
| | 200 | 45 | 3 | 3 | 340 | 395 | 2600 | 3200 |
| | 200 | 67 | 3 | 3 | 458 | 580 | 2600 | 3200 |
| | 200 | 67 | 3 | 3 | 433 | 538 | 2600 | 3200 |
| | 200 | 67 | 3 | 3 | 411 | 496 | | |
| | 220 | 67 | 3 | 3 | 518 | 610 | 2400 | 3000 |
| **100** | 180 | 34 | 2.1 | 2.1 | 183 | 217 | 3200 | 3800 |
| | 180 | 34 | 2.1 | 2.1 | 227 | 270 | 3200 | 3800 |
| | 180 | 46 | 2.1 | 2.1 | 333 | 444 | 3200 | 3800 |
| | 180 | 46 | 2.1 | 2.1 | 335 | 445 | 3200 | 3800 |
| | 180 | 50 | 2.5 | 2.5 | 258 | 315 | 3200 | 3800 |
| | 215 | 47 | 3 | 3 | 390 | 440 | 2400 | 3000 |
| | 215 | 47 | 3 | 3 | 408 | 440 | 2400 | 3000 |
| | 215 | 73 | 3 | 3 | 524 | 505 | 2400 | 3000 |
| | 215 | 73 | 3 | 3 | 524 | 505 | 2400 | 3000 |
| | 215 | 73 | 3 | 3 | 524 | 505 | 2400 | 3000 |
| | 215 | 73 | 3 | 3 | 536 | 726 | 2400 | 3000 |
| | 215 | 73 | 3 | 3 | 536 | 726 | 2400 | 3000 |
| | 215 | 73 | 3 | 3 | 579 | 732 | 2400 | 3000 |
| **105** | 160 | 26 | 2 | 1.1 | 105 | 142 | 4000 | 4800 |
| **110** | 170 | 28 | 2 | 1.1 | 144 | 195 | 3800 | 4500 |
| | 200 | 38 | 2.1 | 2.1 | 266 | 323 | 2800 | 3400 |
| | 200 | 38 | 2.1 | 2.1 | 266 | 323 | 2800 | 3400 |
| | 200 | 38 | 2.1 | 2.1 | 266 | 323 | 2800 | 3400 |
| | 200 | 38 | 2.1 | 2.1 | 266 | 323 | 2800 | 3400 |
| | 200 | 69.85 | 2 | 4 | 402 | 655 | 2800 | 3400 |
| | 240 | 50 | 3 | 3 | 411 | 545 | 2000 | 2600 |
| | 240 | 50 | 3 | 3 | 411 | 545 | 2000 | 2600 |
| | 240 | 50 | 3 | 3 | 411 | 545 | 2000 | 2600 |
| | 240 | 50 | 3 | 3 | 411 | 545 | 2000 | 2600 |
| | 240 | 80 | 3 | 3 | 621 | 735 | 2000 | 2600 |
| | 240 | 80 | 3 | 3 | 621 | 735 | 2000 | 2600 |
| | 240 | 80 | 3 | 3 | 635 | 822 | 2000 | 2600 |
| | 260 | 92 | 3 | 3 | 796 | 971 | 1800 | 2400 |
| | 280 | 65 | 4 | 4 | 555 | 631 | 2000 | 2600 |
| | 280 | 65 | 4 | 4 | 555 | 631 | 2000 | 2600 |
| **120** | 215 | 40 | 2.1 | 2.1 | 282 | 355 | 2400 | 3000 |




| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | *E* | *F* | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **N 319 EF1** | | 95 | 132 | | 177.5 | | 108 | | 178 | 2.5 | 2.5 | 8.69 |
| **NU 319 EF1** | | 95 | | 170 | | 121.5 | 108 | 186 | | 2.5 | 2.5 | 8.77 |
| **NJ 2319EF 1** | | 95 | 131.5 | 168 | | 121.5 | 108 | 187 | | 2.5 | 2.5 | 13.1 |
| **NU 2319EM** | | 95 | 131.5 | 168 | | 121.5 | 108 | 187 | | 2.5 | 2.5 | 10.2 |
| **NU 2319Q Y** | | 95 | | 164 | | 121.5 | 108 | 187 | | 2.5 | 2.5 | 10.5 |
| **NF 619** | 3-256 | 95 | 137.2 | 182 | 193 | | | 108 | 200 | 2.5 | 2.5 | 13.9 |
| **NJ 220M** | 42220H | 100 | 128 | 151 | | 120 | 111 | 169 | | 2 | 2 | 3.98 |
| **N 220 EM** | | 100 | 127 | | 163 | | 111 | | 164 | 2 | 2 | 3.93 |
| **NU 2220 EM/P5** | | 100 | | 157 | | 119 | 111 | 169 | | 2 | 2 | 5 |
| **NU 2220 EM** | | 100 | 127 | 157 | | 119 | 111 | 169 | | 2 | 2 | 4.9 |
| **NJ 2220 X2M** | 42720H | 100 | 127.9 | 151 | | 120 | 111 | 169 | | 2 | 2 | 5.91 |
| **N320 EF1** | | 100 | 139 | | 191.5 | | 114 | 202 | 202 | 2.5 | 2.5 | 8.08 |
| **NJ 320 EM** | | 100 | 139 | 182 | | 128 | 114 | 202 | | 2.5 | 2.5 | 8.67 |
| **N 2320 EM** | 2620EH | 100 | 139 | | 191.5 | | 114 | 202 | | 2.5 | 2.5 | 14.4 |
| **NU 2320 EM** | 32620EH | 100 | | 182 | | 127.5 | 114 | 202 | | 2.5 | 2.5 | 14.3 |
| **NU 2320 EM/YA1** | 32620HY | 100 | | 182 | | 127.5 | 114 | 202 | | 2.5 | 2.5 | 14.3 |
| **NJ 2320EQ 1/P63S 0** | 3E42620EQT | 100 | 140 | 182 | | 127.5 | 114 | 202 | | 2.5 | 2.5 | 13.3 |
| **NJ 2320EM /C9S 0** | | 100 | 140 | 182 | | 127.5 | 114 | 202 | | 2.5 | 2.5 | 14.3 |
| **NJ 2320 ZEM** | | 100 | 139 | 182 | | 127.5 | 114 | 201 | | 2.5 | 2.5 | 14.4 |
| **NF1021M** | 12121H | 105 | 124.7 | 141 | 145.5 | | | 151 | | 2 | 1 | 1.99 |
| **NU1022 M** | | 110 | | 149 | | 125 | 116.5 | 161 | | 2 | 1 | 2.34 |
| **NJ 222 EM** | | 110 | 141.3 | 174 | | 132.5 | 122 | 188 | | 2 | 2 | 5.26 |
| **NU 222 EM** | | 110 | | 174 | | 132.5 | 122 | 188 | | 2 | 2 | 5.19 |
| **N222 EM** | | 110 | 141.3 | | 180.5 | | 122 | | 182 | 2 | 2 | 5.33 |
| **NU 222EQ 1/P53 SO** | | 110 | | 174 | | 132.5 | 122 | 188 | | 2 | 2 | 5.41 |
| **LY-N006** | | 110 | | 171 | | 133 | 122 | 188 | | 2 | 3 | 9 |
| **N 322 E** | 2322EL | 110 | 155 | 198 | 211 | | 124 | | 215 | 2.5 | 2.5 | 10.5 |
| **NJ32 2EQ** | | 110 | 154.5 | 198 | | 143 | 124 | 226 | | 2.5 | 2.5 | 12.7 |
| **N322 EM** | | 110 | 154.4 | 198 | 207 | | 124 | | 211 | 2.5 | 2.5 | 12.1 |
| **NJ32 2EM** | | 110 | 154.5 | 198 | | 143 | 124 | 226 | | 2.5 | 2.5 | 12.9 |
| **NU 2322 EM** | 32622EH | 110 | | 201 | | 143 | 124 | 226 | | 2.5 | 2.5 | 19.9 |
| **NJ 2322 EM/YA1** | 32622EAY | 110 | | 201 | | 143 | 124 | 226 | | 2.5 | 2.5 | 19.9 |
| **NU 2322EQ 1/P63S 0** | | 110 | | 201 | | 143 | 124 | 226 | | 2.5 | 2.5 | 19.1 |
| **NF 622** | 3-257 | 110 | 161.4 | 214 | 227 | | | 226 | | 2.5 | 2.5 | 27.4 |
| **NJ 422M** | | 110 | 169.5 | 223 | | 155 | 126 | 264 | | 3 | 3 | 22 |
| **NJ 422Q 1/C350** | | 110 | 169.5 | 223 | | 155 | 126 | 264 | | 3 | 3 | 22 |
| **NU 224EQ 1** | 3D32224EQT | 120 | | 184 | | 143.5 | 131 | 204 | | 2 | 2 | 7.07 |

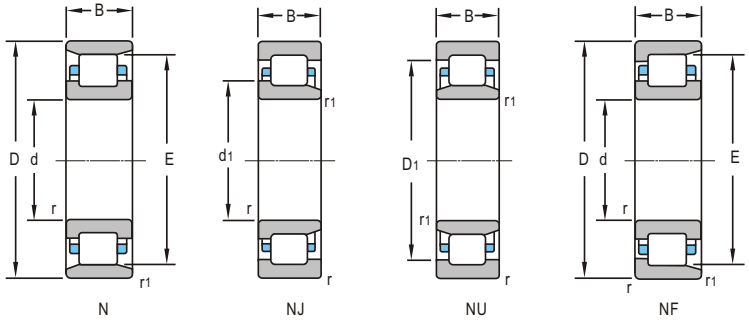


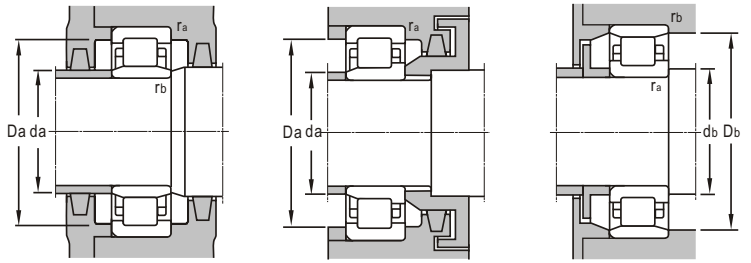




d 120～140mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | $r_{1min}$ | *C* | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **120** | 215 | 40 | 2.1 | 2.1 | 300 | 420 | 2400 | 3000 |
| | 215 | 40 | 2.1 | 2.1 | 300 | 420 | 2400 | 3000 |
| | 215 | 40 | 2.1 | 2.1 | 300 | 420 | 2400 | 3000 |
| | 215 | 40 | 2.1 | 2.1 | 342 | 433 | 2400 | 3000 |
| | 215 | 58 | 2.1 | 2.1 | 380 | 520 | 2400 | 3000 |
| | 217 | 58 | 2.1 | 2.1 | 380 | 520 | 2400 | 3000 |
| | 240 | 80 | 3 | 3 | 477 | 408 | 2400 | 3200 |
| | 240 | 80 | 3 | 3 | 477 | 408 | 2400 | 3200 |
| | 240 | 80 | 3 | 3 | 477 | 408 | 2400 | 3200 |
| | 260 | 55 | 3 | 3 | 537 | 623 | 1900 | 2400 |
| | 260 | 55 | 3 | 3 | 537 | 623 | 1900 | 2400 |
| | 260 | 86 | 3 | 3 | 285 | 1020 | 1900 | 2400 |
| | 260 | 86 | 3 | 3 | 285 | 1020 | 1900 | 2400 |
| | 260 | 86 | 3 | 3 | 785 | 1020 | 1900 | 2400 |
| | 260 | 86 | 3 | 3 | 915 | 1040 | 2800 | 4300 |
| **130** | 200 | 33 | 2 | 1.1 | 213 | 315 | 3200 | 3800 |
| | 200 | 33 | 2 | 1.1 | 172 | 238 | 3200 | 3800 |
| | 200 | 33 | 2 | 1.1 | 172 | 238 | 3200 | 3800 |
| | 230 | 40 | 3 | 3 | 371 | 466 | 2200 | 2800 |
| | 230 | 40 | 3 | 3 | 288 | 372 | 2200 | 2800 |
| | 250 | 80 | 3 | 3 | 604 | 807 | 2200 | 3000 |
| | 250 | 80 | 3 | 3 | 604 | 807 | 2200 | 3000 |
| | 250 | 80 | 3 | 3 | 604 | 807 | 2200 | 3000 |
| | 250 | 80 | 3 | 3 | 604 | 807 | 2200 | 3000 |
| | 280 | 58 | 4 | 4 | 590 | 694 | 1800 | 2200 |
| | 280 | 58 | 4 | 4 | 590 | 694 | 1800 | 2200 |
| | 280 | 93 | 4 | 4 | 920 | 1230 | 1800 | 2200 |
| | 280 | 93 | 4 | 4 | 920 | 1230 | 1800 | 2200 |
| | 280 | 93 | 4 | 4 | 1060 | 1250 | 2400 | 3800 |
| | 340 | 78 | 5 | 5 | 825 | 955 | 1500 | 1900 |
| | 340 | 78 | 5 | 5 | 825 | 955 | 1500 | 1900 |
| | 340 | 78 | 5 | 5 | 825 | 955 | 1500 | 1900 |
| **140** | 210 | 33 | 2 | 1.1 | 212 | 317 | 3000 | 3600 |
| | 210 | 33 | 2 | 1.1 | 212 | 317 | 3000 | 3600 |
| | 250 | 42 | 3 | 3 | 406 | 536 | 2000 | 2600 |
| | 250 | 42 | 3 | 3 | 406 | 536 | 2000 | 2600 |
| | 250 | 42 | 3 | 3 | 389 | 507 | 2000 | 2600 |
| | 250 | 42 | 3 | 3 | 389 | 507 | 2000 | 2600 |
| | 250 | 42 | 3 | 3 | 406 | 556 | 2000 | 2600 |

| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | *E* | *F* | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **N 224M** | 2224H | 120 | 153.1 | 188 | 191.5 | | 131 | | 196 | 2 | 2 | 6.19 |
| **NU 224M** | 32224H | 120 | | 182.3 | | 143.5 | 131 | 204 | | 2 | 2 | 6.47 |
| **NJ 224M** | 42224H | 120 | 151.5 | 182.3 | | 143.5 | 131 | 204 | | 2 | 2 | 6.48 |
| **NJ 224EM** | | 120 | 152.3 | 188 | | 143.5 | 140 | 204 | | 2 | 2 | 6.5 |
| **N 2224M** | | 120 | 152.3 | | 191.5 | | 140 | | 204 | 2 | 2 | 9.4 |
| **N 2224 MX1/CN2** | | 120 | 152.3 | 188 | 195.5 | | 140 | | 206 | 2 | 2 | 9.7 |
| **NJ 3224X3Q1/S0** | 42724QT | 120 | 162 | 194 | | 150 | 134 | 226 | | 3 | 3 | 17.1 |
| **NJ 3224X3M** | 42724QT | 120 | 162 | 194 | | 150 | 134 | 226 | | 2.5 | 2.5 | 17.8 |
| **NJ3224X3Q1** | 42724H | 120 | 161 | 199 | | 150 | 134 | 226 | | 3 | 3 | 17.7 |
| **N324EM** | | 120 | 167.5 | | 230 | | 134 | | 230 | 2.5 | 2.5 | 14.4 |
| **NU324EM** | | 120 | | 219 | | 154 | 134 | 246 | | 2.5 | 2.5 | 14.5 |
| **NU 2324 EM** | 32624EH | 120 | | 219 | | 154 | 134 | 246 | | 2.5 | 2.5 | 23.8 |
| **NU2324EM/YA1** | 32624EHY | 120 | | 219 | | 154 | 134 | 246 | | 2.5 | 2.5 | 23.8 |
| **NJ 2324EM/C9S0** | | 120 | 168 | 216 | | 154 | 134 | 246 | | 2.5 | 2.5 | 23.6 |
| **NJ 2324 ZEM** | | 120 | 168 | 219 | | 154 | 134 | 246 | | 2.5 | 2.5 | 23.6 |
| **N1026 M** | 32126Q | 130 | 154 | 148 | 182 | | 137 | 191 | 190 | 2 | 1 | 3.48 |
| **NU 1026Q1** | 32126Q | 130 | | 174 | | 148 | 136.5 | 191 | | 2 | 1 | 3.83 |
| **NU 1026M** | 32126H | 130 | | 174 | | 148 | 136.5 | 191 | | 2 | 1 | 3.84 |
| **NU 226 EM** | | 130 | | 201.5 | | 153.5 | 144 | 216 | | 2.5 | 2.5 | 7.11 |
| **NU 226 Q1/P53 SO** | | 130 | | 193.4 | | 156 | 144 | 216 | | 2.5 | 2.5 | 7.12 |
| **NJ 3226x1M** | 42726H | 130 | 170 | 208 | | 158 | 144 | 236 | | 2.5 | 2.5 | 18.7 |
| **NJ 3226x1Q1/SO** | 42726QT | 130 | 170.5 | 205 | | 158 | 144 | 236 | | 3 | 3 | 18.7 |
| **NJP3226X1** | | 130 | 171 | 205.6 | | 158 | 144 | 236 | | 3 | 3 | 18.5 |
| **NJ3226X1** | | 130 | 171 | 205.6 | | 158 | 144 | 236 | | 3 | 2.5 | 18.3 |
| **N 326EM** | | 130 | 181.5 | | 247 | | 148 | | 247 | 3 | 3 | 18.2 |
| **NU 326EM** | | 130 | | 235.5 | | 167 | 148 | 262 | | 3 | 3 | 18.3 |
| **NU2326EM** | | 130 | | 236 | | 167 | 148 | 262 | | 3 | 3 | 28.8 |
| **NJ 2326EM** | | 130 | 181 | 236 | | 167 | 148 | 262 | | 3 | 3 | 29.5 |
| **NJ 2326 ZEM** | | 130 | 181 | 236 | | 167 | 147 | 263 | | 3 | 3 | 30.5 |
| **NU 426M** | 32426H | 130 | | 265 | | 183 | 150 | 320 | | 4 | 4 | 41.5 |
| **NJ 426M** | 42426H | 130 | 203 | 265 | | 183 | 150 | 320 | | 4 | 4 | 41.7 |
| **NU426Q1** | 32426Q | 130 | 203 | 262 | | 185 | 150 | 320 | | 4 | 4 | 39.2 |
| **NU 1028 M** | | 140 | | 184.5 | | 158 | 146.5 | 201 | | 2 | 1 | 4.03 |
| **NU 1028Q1/P64** | | 140 | | 184.5 | | 158 | 146.5 | 201 | | 2 | 1 | 4.03 |
| **NJ 228 EF1** | | 140 | 179.5 | 217 | | 169 | 154 | 236 | | 2.5 | 2.5 | 11.6 |
| **NU 228 EF1** | | 140 | | 217 | | 169 | 154 | 236 | | 2.5 | 2.5 | 10.9 |
| **NJ 228 EM** | | 140 | 179.5 | 217 | | 169 | 154 | 236 | | 2.5 | 2.5 | 9.35 |
| **NU 228 EM** | | 140 | | 217 | | 169 | 154 | 236 | | 2.5 | 2.5 | 8.72 |
| **NU 228 EL** | 32228 EL | 140 | | 217 | | 169 | 154 | 236 | | 2.5 | 2.5 | 8.97 |

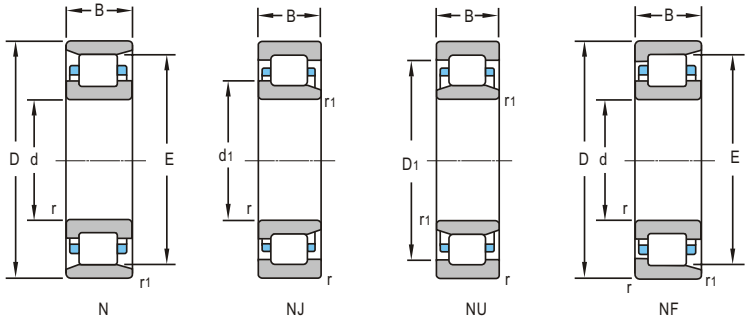


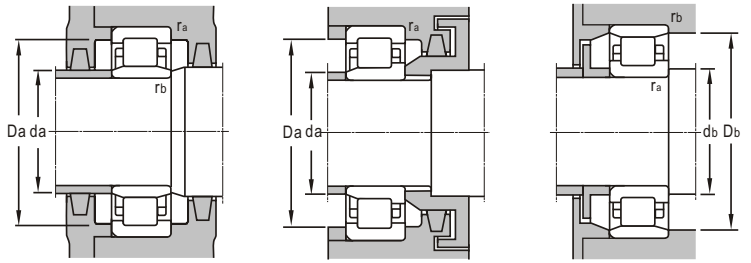




d 140～180mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| d | D | B | $r_{min}$ | $r_{1min}$ | C | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **140** | 250 | 68 | 3 | 3 | 547 | 787 | 2000 | 2600 |
| | 250 | 68 | 3 | 3 | 547 | 787 | 2000 | 2600 |
| | 250 | 68 | 3 | 3 | 547 | 787 | 2000 | 2600 |
| | 250 | 68 | 3 | 3 | 577 | 843 | 2000 | 2600 |
| | 250 | 82.55 | 3 | 3 | 661 | 1060 | 2000 | 2600 |
| | 300 | 62 | 4 | 4 | 624 | 758 | 1980 | 2490 |
| | 300 | 62 | 4 | 4 | 624 | 758 | 1800 | 2200 |
| | 300 | 62 | 4 | 4 | 624 | 758 | 1800 | 2200 |
| | 300 | 102 | 4 | 4 | 959 | 1320 | 1800 | 2200 |
| | 300 | 102 | 4 | 4 | 959 | 1320 | 1800 | 2200 |
| | 300 | 114 | 4 | 4 | 1250 | 1100 | 1800 | 2200 |
| | 360 | 82 | 5 | 5 | 964 | 1135 | 1800 | 2200 |
| | 360 | 82 | 5 | 5 | 964 | 1135 | 1800 | 2200 |
| **150** | 270 | 45 | 3 | 3 | 419 | 543 | 1900 | 2400 |
| | 270 | 45 | 3 | 3 | 419 | 543 | 1900 | 2400 |
| | 270 | 45 | 3 | 3 | 419 | 543 | 2090 | 2640 |
| | 320 | 65 | 4 | 4 | 720 | 970 | 1820 | 2300 |
| | 320 | 65 | 4 | 4 | 720 | 970 | 1820 | 2300 |
| | 320 | 108 | 4 | 4 | 1092 | 1472 | 1700 | 2000 |
| **160** | 290 | 48 | 3 | 3 | 493 | 665 | 1900 | 2300 |
| | 290 | 48 | 3 | 3 | 443 | 655 | 1800 | 2200 |
| | 290 | 48 | 3 | 3 | 493 | 655 | 1800 | 2200 |
| | 290 | 48 | 3 | 3 | 493 | 655 | 2200 | 2600 |
| | 290 | 80 | 3 | 3 | 771 | 1118 | 1800 | 2200 |
| | 340 | 68 | 4 | 4 | 873 | 1080 | 1500 | 1800 |
| | 340 | 114 | 4 | 4 | 1138 | 1800 | 1500 | 1800 |
| **170** | 260 | 42 | 2.1 | 2.1 | 260 | 380 | 2200 | 2800 |
| | 310 | 52 | 4 | 4 | 530 | 747 | 1900 | 2300 |
| | 310 | 52 | 4 | 4 | 589 | 776 | 1800 | 2200 |
| | 310 | 52 | 4 | 4 | 589 | 776 | 1800 | 2200 |
| | 310 | 86 | 4 | 4 | 914 | 1315 | 1800 | 2200 |
| | 360 | 72 | 4 | 4 | 892 | 1090 | 1400 | 1700 |
| | 360 | 120 | 4 | 4 | 1154 | 1622 | 1400 | 1700 |
| | 360 | 120 | 4 | 4 | 1154 | 1622 | 1400 | 1700 |
| **180** | 280 | 82.6 | 2.1 | 2.1 | 817 | 1290 | 2000 | 2600 |
| | 280 | 31 | 2 | 2 | 270 | 423 | 2000 | 2600 |
| | 320 | 52 | 4 | 4 | 587 | 782 | 1700 | 2000 |

| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | E | F | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **NJ 2228 EM** | 42528EH | 140 | 179 | 217 | | 169 | 154 | 236 | | 2.5 | 2.5 | 17 |
| **NJ 2228Q1/C4S 0** | | 140 | 179 | 217 | | 169 | 154 | 236 | | 2.5 | 2.5 | 15.5 |
| **NU 2228 Q1/C4S0** | | 140 | | 217 | | 169 | 154 | 236 | | 2.5 | 2.5 | 15.1 |
| **NU 2228EM/P5** | | 140 | | 217 | | 169 | 154 | 236 | | 2.5 | 2.5 | 14.4 |
| **NU 3228X2M** | | 140 | | 213 | | 169 | 154 | 236 | | 2.5 | 2.5 | 18.4 |
| **NJ 328Q1/P64S0** | 4E42328EQTY | 140 | 194 | 248.5 | | 180 | 158 | 282 | | 3 | 3 | 21.5 |
| **NU 328Q1/P63SO** | 3E32328EQT | 140 | | 248.5 | | 180 | 158 | 282 | | 3 | 3 | 21.6 |
| **N 328 EM** | | 140 | 194 | | 260 | | 156 | | 265 | 3 | 3 | 21.7 |
| **NJ 2328EM** | | 140 | 194 | 248.5 | | 180 | 158 | 282 | | 3 | 3 | 37.3 |
| **NU 2328EM** | | 140 | | 248.5 | | 180 | 158 | 282 | | 3 | 3 | 36.7 |
| **NF3328X2** | 3-254 | 140 | 190.4 | 253.4 | 266 | | | 156 | 278 | 3 | 3 | 43.3 |
| **NU428M** | 32428H | 140 | | 279 | | 196 | 160 | 340 | | 4 | 4 | 48 |
| **NJ428M** | 42428H | 140 | 217 | 279 | | 196 | 160 | 340 | | 4 | 4 | 48.7 |
| **NJ 230EM** | | 150 | 193.5 | 233 | | 182 | 164 | 256 | | 2.5 | 2.5 | 11.7 |
| **NU230EM** | | 150 | | 233 | | 182 | 164 | 256 | | 2.5 | 2.5 | 11.4 |
| **NU230EQ1/P63SO** | 3E32230EQT | 150 | | 233 | | 182 | 164 | 256 | | 2.5 | 2.5 | 10.4 |
| **NJ330Q1/P64S0** | 4E42330EQTY | 150 | 209 | 270 | | 193 | 166 | 304 | | 3 | 3 | 25.7 |
| **NU330Q1/P63S0** | 3E32330EQT | 150 | | 270 | | 193 | 166 | 304 | | 3 | 3 | 26.6 |
| **NU 2330 EM** | 32630EH | 150 | | 270 | | 193 | 166 | 304 | | 3 | 3 | 45.7 |
| **NU 232EQ1/P63S0** | 3E32232EQT | 160 | | 250 | | 195 | 174 | 276 | | 2.5 | 2.5 | 14.6 |
| **NU232EM** | | 160 | | 250 | | 195 | 174 | 276 | | 2.5 | 2.5 | 14.7 |
| **NJ 232 EM** | | 160 | 206.5 | 250 | | 195 | 174 | 276 | | 2.5 | 2.5 | 14.9 |
| **N 232EM** | | 160 | 206 | | 259 | | 174 | 276 | | 2.5 | 2.5 | 14.6 |
| **NU 2232 EM** | 32532EH | 160 | | 245 | | 193 | 174 | 276 | | 2.5 | 2.5 | 24.5 |
| **NU 332 EQ1/P64S0** | 4E32332EQT | 160 | | 285 | | 204 | 178 | 322 | | 3 | 3 | 31.1 |
| **NU2332E.M1** | | 160 | | 284.6 | | 204 | 178 | 322 | | 3 | 3 | 52 |
| **NU 1034M** | 32134H | 170 | | 227 | | 193 | 181 | 249 | | 2 | 2 | 8.31 |
| **NU 234Q1/P63S0** | 3E32234QT | 170 | | 263 | | 208 | 188 | 292 | | 3 | 3 | 17.8 |
| **NJ234M** | | 170 | 220 | 268.5 | | 207 | 188 | 292 | | 3 | 3 | 17.9 |
| **NU234M** | | 170 | | 268.5 | | 207 | 188 | 292 | | 3 | 3 | 17.7 |
| **NU 2234 EM** | 32534EH | 170 | | 270 | | 205 | 188 | 292 | | 3 | 3 | 30 |
| **NU334EM** | | 170 | | 300.6 | | 218 | 188 | 344 | | 3 | 3 | 36.3 |
| **NU 2334M** | 32634H | 170 | | 289 | | 220 | 188 | 344 | | 3 | 3 | 62.3 |
| **NJ 2334M** | 42634H | 170 | 237 | 289 | | 220 | 188 | 344 | | 3 | 3 | 63.6 |
| **NU 3036X2M** | 32836H | 180 | | 246 | | 204 | 191 | 269 | | 3 | 3 | 19.6 |
| **N 036M** | | 180 | 219 | | 250 | | 191 | | 257 | 2 | 2 | 7.97 |
| **NU 236 M** | | 180 | | 278.5 | | 217 | 198 | 302 | | 3 | 3 | 18.6 |

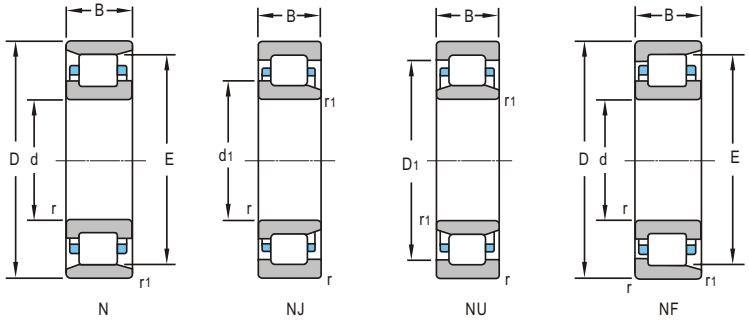



d 180～240mm

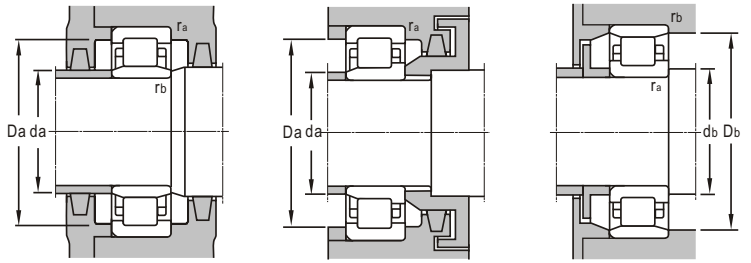
| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| d | D | B | $r_{min}$ | $r_{1min}$ | C | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **180** | 320 | 52 | 4 | 4 | 587 | 782 | 1700 | 2000 |
| | 320 | 86 | 4 | 4 | 954 | 1408 | 1700 | 2000 |
| | 380 | 126 | 4 | 4 | 1554 | 2212 | 1300 | 1600 |
| | 380 | 126 | 4 | 4 | 1860 | 2610 | 1600 | 2800 |
| | 380 | 252 | 4 | 4 | 3190 | 5220 | 1300 | 1600 |
| **190** | 260 | 42 | 2 | 2 | 239 | 216 | 2000 | 2800 |
| | 290 | 46 | 2.1 | 2.1 | 384 | 575 | 2000 | 2600 |
| | 340 | 55 | 4 | 4 | 649 | 871 | 1600 | 1900 |
| | 340 | 92 | 3 | 3 | 1220 | 1600 | 1600 | 1900 |
| **200** | 310 | 34 | 2 | 2 | 280 | 300 | 1900 | 2400 |
| | 310 | 34 | 2 | 2 | 280 | 300 | 1900 | 2400 |
| | 310 | 51 | 2.1 | 2.1 | 388 | 580 | 1900 | 2400 |
| | 310 | 51 | 2.1 | 2.1 | 388 | 580 | 1900 | 2400 |
| | 310 | 51 | 2.1 | 2.1 | 448 | 695 | 1900 | 2400 |
| | 310 | 51 | 2.1 | 2.1 | 450 | 700 | 3000 | 3400 |
| | 320 | 88.9 | 2.5 | 2.5 | 946 | 1346 | 1800 | 2300 |
| | 340 | 50 | 4 | 4 | 421 | 603 | 1700 | 2200 |
| | 360 | 58 | 4 | 4 | 745 | 1020 | 1500 | 1800 |
| | 360 | 58 | 4 | 4 | 745 | 1020 | 1500 | 1800 |
| **220** | 340 | 56 | 3 | 3 | 470 | 750 | 1800 | 2200 |
| | 340 | 56 | 3 | 3 | 470 | 750 | 1800 | 2200 |
| | 350 | 98.42 | 3 | 3 | 1150 | 1792 | 1600 | 2000 |
| | 400 | 65 | 4 | 4 | 769 | 1100 | 1500 | 1800 |
| | 400 | 65 | 4 | 4 | 769 | 1100 | 1500 | 1800 |
| | 460 | 88 | 5 | 5 | 1130 | 1020 | 1200 | 1500 |
| **230** | 370 | 80 | 4 | 4 | 844 | 1371 | 1400 | 1800 |
| **240** | 360 | 37 | 2.1 | 2.1 | 388 | 392 | 1700 | 2000 |
| | 360 | 56 | 3 | 3 | 497 | 820 | 1700 | 2000 |
| | 360 | 56 | 3 | 3 | 530 | 850 | 1700 | 2000 |
| | 360 | 56 | 3 | 3 | 497 | 820 | 1700 | 2000 |
| | 360 | 92 | 3 | 3 | 855 | 938 | 1600 | 1900 |
| | 390 | 108 | 4 | 4 | 1370 | 2310 | 1500 | 1800 |
| | 440 | 72 | 4 | 4 | 997 | 1450 | 1300 | 1600 |
| | 440 | 72 | 4 | 4 | 997 | 1450 | 1300 | 1600 |
| | 500 | 95 | 5 | 5 | 1390 | 1610 | 1000 | 1300 |

| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | E | F | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **NJ 236 M** | | 180 | 230 | 278.5 | | 217 | 198 | 302 | | 3 | 3 | 18.9 |
| **NU 2236 EM** | 32536EH | 180 | | 280 | | 215 | 198 | 302 | | 3 | 3 | 30.8 |
| **NJ 2336 EM** | 42636EH | 180 | 246 | 320 | | 231 | 198 | 362 | | 3 | 3 | 77.9 |
| **FD-NUP2336VH** | | 180 | 245 | 315 | | 211.69 | 200 | 360 | | 3 | 3 | 69.9 |
| **FD-NJ2336VH-DF** | | 180 | 245 | 315 | | 211.71 | 200 | 360 | | 3 | 3 | 137 |
| **NU 2938Q1** | 2032938Q | 190 | | 235 | | 207 | 201 | 249 | | 2 | 2 | 6.45 |
| **NU1038 M** | | 190 | | 254 | | 215 | 201 | 279 | | 2 | 2 | 10.8 |
| **NJ 238 EM** | | 190 | 244 | 295.2 | | 230 | 206 | 324 | | 3 | 3 | 22.4 |
| **NU 2238MA** | | 190 | | 297 | | 206 | 210 | 324 | | 2 | 2 | 39 |
| **N040H** | 7002140W | 200 | 243 | | 277 | | 211 | | 283 | 2 | 2 | 10.2 |
| **NFP 040H** | 7022140W | 200 | 243 | 269 | 277 | | 211 | 299 | | 2 | 2 | 10.5 |
| **NU 1040** | 32140 | 200 | | 269 | | 229 | 211 | 299 | | 2 | 2 | 14.3 |
| **NU 1040 NQ1** | 232140Q | 200 | | 269 | | 229 | 211 | 299 | | 2 | 2 | 14.3 |
| **NJ 1040M** | | 200 | 239 | 269 | | 224 | 211 | 249 | | 2 | 2 | 14.9 |
| **N 1040M** | | 200 | 242 | | 282 | | 211 | 299 | 284 | 2 | 2 | 14.3 |
| **NU 640M** | 32840H | 200 | | 286.3 | | 228 | 212 | 308 | | 2 | 3 | 26.5 |
| **N 640M** | 2740H | 200 | 250 | | 303 | | 218 | | 322 | 3 | 3 | 18.6 |
| **NJ 240 EM** | | 200 | 258 | 310 | | 243 | 218 | 342 | | 3 | 3 | 27.8 |
| **NU 240 EM** | | 200 | | 310 | | 243 | 218 | 342 | | 3 | 2.5 | 27.3 |
| **NU 1044** | 32144 | 220 | | 297 | | 250 | 233 | 327 | | 2.5 | 2.5 | 19.3 |
| **NU 1044 NQ** | 232144Q | 220 | | 297 | | 250 | 233 | 327 | | 2.5 | 2.5 | 18.9 |
| **NU 644M** | 32844H | 220 | | 313 | | 245 | 234 | 336 | | 2.5 | 3 | 37.5 |
| **NJ 244M** | | 220 | 286 | 336.6 | | 270 | 236 | 384 | | 3 | 3 | 39.2 |
| **NU 244M** | | 220 | | 336.6 | | 270 | 236 | 384 | | 3 | 4 | 38.4 |
| **NU 344M** | 32344H | 220 | | 370.2 | | 284 | 240 | 438 | | 4 | 3 | 75.6 |
| **N 646** | 2746H | 230 | 282 | | 334 | 334 | 246 | 354 | | 3 | 2 | 37 |
| **N 048F1** | 7002148W | 240 | 287 | | 325 | | 251 | | 348 | 2 | 2.5 | 14.7 |
| **NU 1048M** | 32148H | 240 | | 318 | | 270 | 253 | 347 | | 2.5 | 2.5 | 20.4 |
| **NU 1048Q** | 32148Q | 240 | | 318 | | 270 | 253 | 347 | | 2.5 | 2.5 | 20.4 |
| **NJ 1048M** | 42148H | 240 | 279 | 318 | | 270 | 253 | 347 | | 2.5 | 2.5 | 20.8 |
| **NU3048EM** | 3032148EH | 240 | | 316.2 | | 270 | 253 | 347 | | 2.5 | 3 | 35.5 |
| **NU 2148X3M/C9** | | 240 | | 340 | | 275 | 258 | 372 | | 3 | 3 | 53.7 |
| **NU248** | | 240 | | 367.3 | | 295 | 258 | 372 | | 3 | 3 | 50 |
| **NJ 248** | | 240 | 313 | 367.3 | | 295 | 258 | 422 | | 3 | 4 | 50.7 |
| **NU 348M** | 32348H | 240 | | 402.7 | | 310 | 262 | 478 | | 4 | | 97.7 |

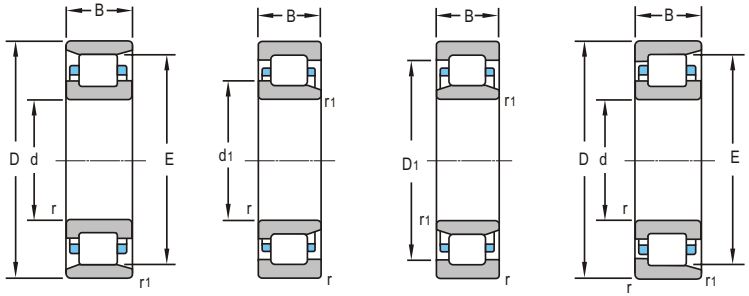



d 250～380mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | $r_{1min}$ | *C* | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **250** | 380 | 50 | 5 | 2.1 | 660 | 643 | 1300 | 1700 |
| **260** | 400 | 44 | 3 | 3 | 552 | 603 | 1500 | 1800 |
| | 400 | 65 | 4 | 4 | 659 | 1030 | 1500 | 1800 |
| | 400 | 65 | 4 | 4 | 659 | 1030 | 1500 | 1800 |
| | 400 | 65 | 4 | 4 | 659 | 1030 | 1500 | 1800 |
| | 400 | 65 | 4 | 4 | 659 | 1030 | 1500 | 1800 |
| | 400 | 65 | 4 | 4 | 659 | 1030 | 1500 | 1800 |
| | 480 | 80 | 5 | 5 | 1170 | 1700 | 1200 | 1500 |
| **280** | 420 | 65 | 4 | 4 | 693 | 1120 | | |
| | 420 | 65 | 4 | 4 | 693 | 1120 | 1400 | 1700 |
| | 580 | 108 | 6 | 6 | 1642 | 2523 | 850 | 1000 |
| **300** | 460 | 74 | 4 | 4 | 1000 | 1660 | 1200 | 1500 |
| | 460 | 74 | 4 | 4 | 1000 | 1660 | 1200 | 1500 |
| | 460 | 74 | 3 | 3 | 885 | 1400 | 1300 | 1500 |
| | 460 | 74 | 4 | 4 | 893 | 1420 | 1200 | 1500 |
| | 460 | 118 | 4 | 4 | 1650 | 3050 | 1000 | 1300 |
| | 540 | 85 | 5 | 5 | 1420 | 2100 | 1000 | 1300 |
| **305** | 460 | 65 | 4 | 4 | 800 | 878 | 1200 | 1500 |
| | 460 | 65 | 4 | 4 | 800 | 878 | 1200 | 1500 |
| **320** | 480 | 74 | 4 | 4 | 1021 | 1727 | 1100 | 1400 |
| | 480 | 74 | 4 | 4 | 941 | 1549 | 1100 | 1400 |
| | 480 | 74 | 4 | 4 | 1021 | 1727 | 1100 | 1400 |
| | 480 | 74 | 4 | 4 | 941 | 1549 | 1100 | 1400 |
| | 670 | 200 | 7.5 | 7.5 | 3810 | 5700 | | |
| **340** | 520 | 57 | 4 | 4 | 1035 | 1800 | 1000 | 1300 |
| | 520 | 57 | 4 | 4 | 957 | 1420 | 1000 | 1300 |
| | 530 | 133 | 5 | 5 | 1660 | 3320 | 900 | 1100 |
| **360** | 650 | 170 | 6 | 6 | 3000 | 5080 | 800 | 950 |
| | 750 | 224 | 7.5 | 7.5 | 5200 | 8300 | 630 | 750 |
| **368.1** | 558.8 | 114 | 5 | 5 | | | 900 | 1100 |
| **380** | 480 | 60 | 2.1 | 2.1 | 668 | 1437 | 1000 | 1300 |
| | 680 | 240 | 6 | 6 | 5450 | 10000 | 850 | 1300 |

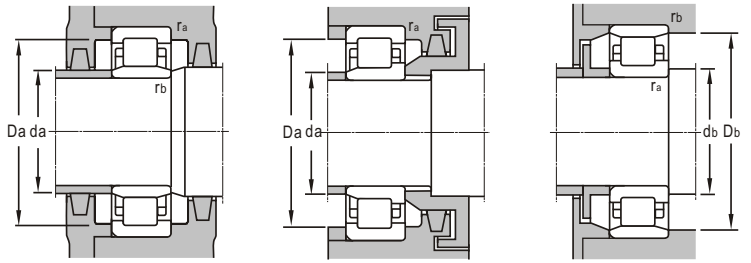



| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | *E* | *F* | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **N 650L** | 2750L | 250 | 298 | | 347 | | 272 | | 368 | 4 | 2 | 19.8 |
| **N 052F1** | 7002152W | 260 | 314 | | 360 | | 274 | | 367 | 2.5 | 2.5 | 22.7 |
| **N 1052F1** | 2152W | 260 | 312 | | 364 | | 276 | | 367 | 3 | 3 | 30.8 |
| **NUP 1052F1** | | 260 | | 348 | | 296 | 276 | 384 | | 3 | 3 | 32.3 |
| **NU 1052F2** | | 260 | | 348 | | 296 | 276 | 384 | | 3 | 3 | 30.5 |
| **NU 1052F1** | | 260 | | 348 | | 296 | 276 | 384 | | 3 | 3 | 30.5 |
| **NU 1052M** | | 260 | | 348 | | 296 | 276 | 384 | | 3 | 3 | 31.4 |
| **Nu252 EMA** | | 260 | | 397 | | 320 | 280 | 460 | | 4 | 4 | 67.6 |
| **NJ 1056M** | | 280 | 329 | 368 | | 396 | 298 | 404 | | 3 | 3 | 34.5 |
| **NU 1056M** | 32156H | 280 | | 368 | | 316 | 298 | 404 | | 3 | 3 | 33.4 |
| **NU 356M** | | 280 | | 469 | | 362 | 308 | 552 | | 5 | 5 | 139 |
| **NU 1060** | 32160 | 300 | | 407 | | 340 | 318 | 442 | | 3 | 3 | 44.4 |
| **N 1060** | | 300 | 353 | 407 | 420 | | 318 | | 423 | 3 | 3 | 44 |
| **NU 1060MA** | | 300 | | 402 | | 340 | 316 | 444 | | 2 | 2 | 44 |
| **NJ 1060M** | | 300 | 356 | 407 | | 340 | 318 | 442 | | 3 | 3 | 44.3 |
| **NU 3060** | 3032160 | 300 | | 407 | | 340 | 316 | 442 | | 3 | 3 | 72 |
| **NU 260** | 32260 | 300 | | 450 | | 365 | 322 | 520 | | 4 | 4 | 87.2 |
| **N 661L** | 2761L | 305 | 362 | | 420.5 | | 325 | | 423 | 2.5 | 2.5 | 35.2 |
| **N 661** | 3-208 | 305 | 362 | | 420.5 | | 325 | | 423 | 2.5 | 2.5 | 39.7 |
| **NU 1064** | 32164 | 320 | | 427 | | 360 | 338 | 462 | | 3 | 3 | 47 |
| **NU 1064M** | | 320 | | 423 | | 360 | 338 | 462 | | 3 | 3 | 46.6 |
| **NU 1064 K** | 332164 | 320 | | 427 | | 360 | 338 | 462 | | 3 | 3 | 46.1 |
| **NJ 1064M** | | 320 | 376 | 423 | | 360 | 338 | 462 | | 3 | 3 | 47.7 |
| **NU 2364M** | | 320 | | 556 | | 410 | 348 | 642 | | 6 | 6 | 368 |
| **N 068** | 7002168 | 340 | 408 | | 470 | | 358 | | 483 | 4 | 3 | 45.5 |
| **NJ 068 M** | | 340 | 405 | 459 | | 390 | 358 | 500 | | 4 | 3 | 46.8 |
| **N 668 M** | 2768H | 340 | 405 | | 476 | | 362 | | 490 | 4 | 4 | 117 |
| **NU2272EM** | 32572EH | 360 | | 542 | | 437 | 386 | 624 | | 5 | 5 | 263 |
| **NU 2372** | 32672 | 360 | | 610 | | 455 | 395 | 715 | | 6 | 6 | 485 |
| **N6/368.3** | 3-245 | 368.1 | 437 | | 510 | | 386 | | 530 | 4 | 4 | 101 |
| **N 2876** | 2002876K | 380 | 417 | | 455 | | 392 | | 468 | 2 | 2 | 24.6 |
| **NU 3276/HCC 3 YA** | | 380 | | 581 | | 451 | 410 | 650 | | 5 | 5 | 384 |

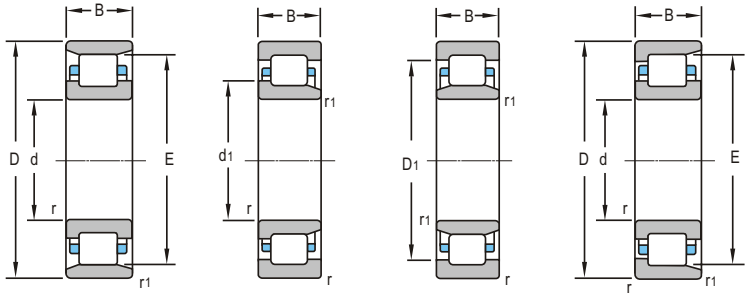



d 400～530mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| d | D | B | $r_{min}$ | $r_{1min}$ | C | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **400** | 540 | 65 | 4 | 4 | 965 | 1831 | 950 | 1150 |
| | 600 | 90 | 5 | 5 | 1627 | 2806 | 900 | 1100 |
| | 600 | 90 | 5 | 5 | 1627 | 1627 | 900 | 1100 |
| | 600 | 148 | 5 | 5 | 2530 | 4950 | 800 | 980 |
| | 650 | 145 | 6 | 6 | 2907 | 5429 | 750 | 900 |
| **420** | 560 | 65 | 4 | 4 | 825 | 1650 | 900 | 1100 |
| | 560 | 82 | 4 | 4 | 1440 | 3240 | 400 | 480 |
| | 560 | 82 | 4 | 4 | 1240 | 2660 | 850 | 1100 |
| | 700 | 224 | 6 | 6 | 5260 | 9730 | 630 | 800 |
| **434** | 540 | 46 | ]2.5 | 1.5 | 423 | 918 | 900 | 1100 |
| **440** | 546 | 46 | 2.5 | 1.5 | 423 | 918 | 850 | 1000 |
| | 720 | 122 | 6 | 6 | 2423 | 4052 | 800 | 950 |
| **460** | 620 | 95 | 4 | 4 | 1769 | 3883 | 750 | 900 |
| | 620 | 95 | 4 | 4 | 1700 | 3380 | 750 | 900 |
| | 620 | 95 | 4 | 4 | 1769 | 3883 | 750 | 900 |
| | 620 | 95 | 4 | 4 | 1870 | 4180 | 350 | 450 |
| | 680 | 100 | 6 | 6 | 2000 | 3700 | 800 | 950 |
| | 760 | 240 | 7.5 | 7.5 | 5600 | 10500 | 560 | 670 |
| | 760 | 240 | 7.5 | 7.5 | 5880 | 11200 | 560 | 670 |
| | 820 | 200 | 7.5 | 7.5 | 4900 | 8510 | 510 | 610 |
| **470** | 870 | 210 | 7.5 | 7.5 | 5100 | 8720 | 530 | 630 |
| **480** | 650 | 78 | 5 | 5 | 1136 | 2213 | 850 | 950 |
| | 790 | 248 | 7.5 | 7.5 | 6230 | 12100 | 530 | 630 |
| **500** | 620 | 56 | 3 | 3 | 847 | 1790 | 800 | 950 |
| | 670 | 100 | 5 | 5 | 2000 | 4510 | 750 | 900 |
| | 720 | 100 | 6 | 6 | 2300 | 4510 | 750 | 900 |
| | 720 | | 6 | 6 | 9270 | 27100 | 900 | 1200 |
| | 830 | 264 | 7.5 | 7.5 | 7100 | 13500 | 500 | 600 |
| | 900 | 210 | 7.5 | 7.5 | 6590 | 11500 | 440 | 550 |
| | 900 | 210 | 7.5 | 4.5 | 6590 | 11500 | 670 | 950 |
| **530** | 650 | 72 | 3 | 3 | 1190 | 2820 | 750 | 900 |
| | 710 | 106 | 4.5 | 4.5 | 2170 | 5200 | 700 | 850 |
| | 870 | 272 | 7.5 | 7.5 | 7690 | 15100 | 440 | 550 |

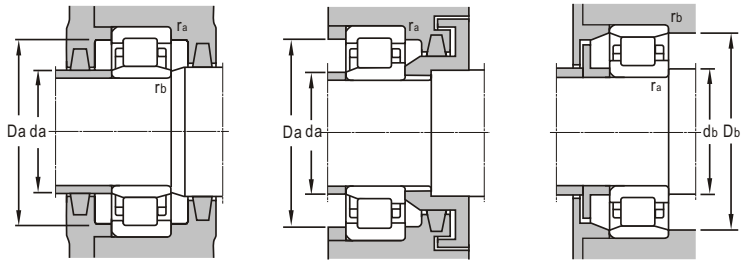



| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | E | F | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **NU 1980** | 1032980 | 400 | | 490 | | 434 | 418 | 522 | | 3 | 3 | 42.7 |
| **NU 1080** | 32180 | 400 | | 528 | | 448 | 420 | 580 | | 4 | 4 | 88.8 |
| **NU 1080K** | 332180 | 400 | | 528 | | 448 | 420 | 580 | | 4 | 4 | 88.8 |
| **NU 3080** | 3032180 | 400 | | 528 | | 448 | 420 | 580 | | 4 | 4 | 145 |
| **N 2180** | 2002780 | 400 | 492 | | 585 | | 428 | | 612 | 5 | 5 | 190 |
| **NF1984/C9YA1** | | 420 | 470.8 | 509.2 | 522 | | 438 | 542 | | 3 | 3 | 41.6 |
| **NCF 2984V** | | 420 | 469 | 509 | 524 | | 438 | 542 | | 3 | 3 | 52.5 |
| **NU 2984M** | | 470 | | 727 | | 575 | 490 | 850 | | 6 | 6 | 595 |
| **NU 3184** | | 420 | | 613 | | 485 | 444 | 676 | | 5 | 5 | 348 |
| **NU 16/434** | 32987 | 434 | | 502 | | 468 | 445 | 525 | | 2 | 1.5 | 26.2 |
| **NU 188X1** | 32788 | 440 | | 502 | | 468 | 454 | 534 | | 2 | 1.5 | 26.5 |
| **N 1188** | 1002788 | 440 | 543 | | 648 | | 466 | | 680 | 5 | 5 | 191 |
| **N 2992** | 2002992 | 460 | 516 | | 580 | | 480 | | 588 | 3 | 3 | 82.4 |
| **NJ 2992EM** | | 460 | 510 | 570 | | 495 | 479 | 601 | | 3 | 3 | 85.1 |
| **NU 2992** | 2032992 | 460 | | 562 | | 500 | 480 | 596 | | 3 | 3 | 84 |
| **NCF 2992V** | | 460 | 516 | 562 | 580 | | 480 | 596 | | 3 | 3 | 82.3 |
| **NU 1092M** | | 460 | | 600 | | 516 | 484 | 656 | | 5 | 5 | 130 |
| **NU 3192MA/4HC** | | 460 | | 662 | | 529 | 489 | 731 | | 6 | 6 | 647 |
| **NU 3192** | | 460 | | 659 | | 529.3 | 496 | 724 | | 6 | 6 | 435 |
| **NU 692/HC YA** | | 460 | | 697 | | 550 | 489 | 791 | | 6 | 6 | 465 |
| **NU 694M** | | 470 | | 727 | | 575 | 490 | 850 | | 6 | 6 | 595 |
| **NU1996-2** | | 480 | | 592 | | 525 | 500 | 6300 | | 4 | 4 | 76 |
| **NU 3196** | | 480 | | 701 | | 556 | 516 | 754 | | 6 | 6 | 489 |
| **NF 18/500EM** | | 500 | 542 | 584 | 530 | | 514 | 606 | | 2 | 2 | 37.1 |
| **NU 29/500** | 20329/500 | 500 | | 610 | | 543 | 522 | 648 | | 4 | 4 | 99.5 |
| **NU 10/500** | | 500 | | 648 | | 556 | 528 | 692 | | 5 | 5 | 135 |
| **500RV7211** | | 500 | | 648 | | 560 | 525 | 700 | | 6 | 6 | 730 |
| **NU 31/500** | | 500 | | 728 | | 576 | 536 | 794 | | 6 | 6 | 563 |
| **NU 6/500/HC** | | 500 | | 767 | | 599 | 529 | 871 | | 6 | 6 | 603 |
| **NU 6/500/HCC 3 YA** | | 500 | | 767 | | 599 | 520 | 880 | | 6 | 6 | 603 |
| **NU 28/530 EMA** | | 530 | | 614 | | 561 | 544 | 636 | | 2.1 | 2.1 | 52 |
| **NU 29/530** | 20329/530 | 530 | | 644 | | 575 | 555 | 685 | | 4 | 4 | 123 |
| **NU 31/530/HC** | | 530 | | 764 | | 612 | 559 | 841 | | 6 | 6 | 649 |

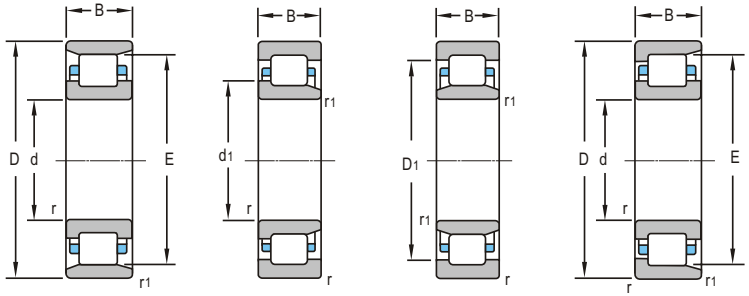



d 560～1250mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| d | D | B | $r_{min}$ | $r_{1min}$ | C | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **560** | 680 | 56 | 3 | 3 | 908 | 2130 | 700 | 850 |
| | 680 | 72 | 3 | 3 | 1100 | 2720 | 680 | 820 |
| | 920 | 128 | 7.5 | 7.5 | 3540 | 6370 | 500 | 600 |
| | 920 | 128 | 7.5 | 7.5 | 3540 | 6370 | 900 | 1000 |
| | 920 | 128 | 6 | 6 | 3710 | 6210 | 900 | 1000 |
| | 920 | 128 | 7.5 | 7.5 | 3630 | 5820 | 900 | 1000 |
| **600** | 1090 | 155 | 9.5 | 9.5 | 4930 | 8390 | 480 | 850 |
| **630** | 850 | 100 | 6 | 6 | 2230 | 4633 | 600 | 700 |
| | 850 | 128 | 6 | 6 | 3158 | 7244 | 600 | 700 |
| **666.75** | 838.2 | 114.3 | 4 | 4 | 2890 | 6860 | 560 | 670 |
| **670** | 820 | 69 | 4 | 4 | 1208 | 2870 | 560 | 670 |
| | 820 | 112 | 4 | 4 | 2500 | 6760 | 560 | 670 |
| | 900 | 103 | 6 | 6 | 2640 | 5860 | 530 | 630 |
| **700** | 930 | 160 | 6 | 6 | 3450 | 8400 | 500 | 600 |
| **710** | 870 | 74 | 4 | 4 | 1370 | 3180 | 520 | 620 |
| | 950 | 106 | 6 | 6 | 2610 | 5530 | 500 | 600 |
| | 950 | 106 | 6 | 6 | 2610 | 5530 | 500 | 600 |
| **750** | 920 | 120 | 5 | 5 | 2530 | 6870 | 500 | 600 |
| **800** | 980 | 82 | 5 | 5 | 1804 | 4320 | 450 | 530 |
| **840** | 1040 | 125 | 4 | 4 | 3315 | 9729 | 430 | 500 |
| **950** | 1250 | 224 | 7.5 | 7.5 | 6549 | 17838 | 340 | 400 |
| | 1250 | 175 | 7.5 | 7.5 | 5317 | 13932 | 340 | 400 |
| **1060** | 1400 | 150 | 7.5 | 7.5 | 5768 | 15570 | 280 | 340 |
| **1120** | 1360 | 106 | 6 | 6 | 3430 | 8660 | 121 | 151 |
| | 1360 | 112 | 6 | 6 | 3720 | 10100 | 220 | 280 |
| | 1360 | 112 | 6 | 6 | 3720 | 10100 | | |
| **1200** | 1520 | 185 | 7.5 | 7.5 | 5277 | 10223 | 200 | 260 |
| **1250** | 1630 | 170 | 7.5 | 7.5 | 5830 | 14000 | 195 | 250 |

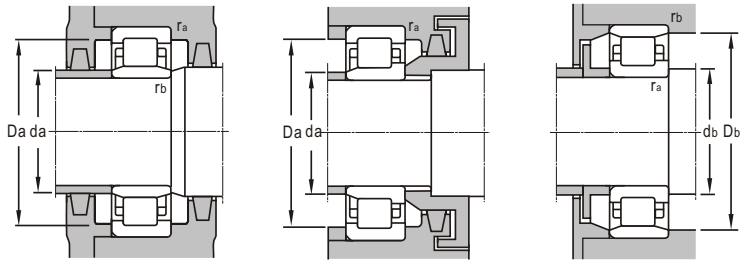



| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | E | F | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **N 18/560** | | 560 | 601 | | 650 | | 574 | | 650 | 2.5 | 2.5 | 43.3 |
| **NF 28/560M** | | 560 | 601 | 640 | 650 | | 574 | 666 | 650 | 2.5 | 2.5 | 55.8 |
| **NU 1/560** | | 560 | | 797 | | 660 | 596 | 884 | | 6 | 6 | 381 |
| **NU1/560X2+HJ1/560X** | | 560 | | 797 | | 660 | 580 | 900 | | 6 | 9 | 381 |
| **NU 1/560+HJ/560** | | 560 | | 797 | | 660 | 580 | 900 | | 6 | 6 | 381 |
| **NU1/560+HJ1/560X** | | 560 | | 807 | | 653 | 580 | 900 | | 3 | 3 | 373 |
| **NU2/600X+HJ2/600X** | | 600 | | 916 | | 748 | 620 | 1070 | | 8 | 8 | 727 |
| **N 19/630** | 10029/630 | 630 | 710 | | 795 | | 658 | | 822 | 5 | 5 | 160 |
| **NU 29/630** | 20329/630 | 630 | | 770 | | 685 | 658 | 822 | | 5 | 5 | 206 |
| **NFP6/666.75Q1/C9** | 3-235U | 666.75 | 724 | 785 | 803.3 | | 685 | 820 | | 3 | 3 | 146 |
| **NJ 18/670M** | | 670 | 726 | 769.5 | | 712 | 688 | 802 | | 3 | 3 | 78.9 |
| **NJ 38/670Q1** | | 670 | 718 | 774 | | 706 | 688 | 802 | | 3 | 3 | 123 |
| **NU 19/670** | | 670 | | 825.5 | | 731 | 698 | 872 | | 5 | 5 | 188 |
| **NU 6/700** | 327/700 | 700 | | 845 | | 760 | 728 | 902 | | 5 | 5 | 295 |
| **N 18/710/HC/P6** | | 710 | 765 | | 830 | | 726 | | 845 | 3 | 3 | 95.2 |
| **N 19/710** | 10029/710 | 710 | 797 | | 890 | | 738 | | 912 | 5 | 5 | 205 |
| **NU 19/710** | 10329/710 | 710 | | 863 | | 770 | 738 | 922 | | 5 | 5 | 207 |
| **N 38/750X2M** | | 750 | 809 | | 878 | | 772 | | 890 | 4 | 4 | 178 |
| **NJ 18/800M** | | 800 | 868 | 921 | | 849 | 822 | 958 | | 4 | 4 | 120 |
| **N 6/840** | 27/840 | 840 | 912 | | 985 | | 858 | | 1022 | 3 | 3 | 240 |
| **N 39/950** | 30029/950 | 950 | 1062 | | 1170 | | 986 | | 1214 | 6 | 6 | 745 |
| **NU 29/950** | 20329/950 | 950 | | 1137 | | 1032 | 986 | 1214 | | 6 | 6 | 563 |
| **NU 19/1060M** | 10329/1060H | 1060 | | 1270 | | 1162 | 1096 | 1364 | | 6 | 6 | 683 |
| **NJ 18/1120/YA** | | 1120 | 1202 | 1290 | | 1182 | 1150 | 1330 | | 5 | 5 | 311 |
| **NU 18/1120X2** | | 1120 | | 1282 | | 1180 | 1148 | 1332 | | 5 | 5 | 333 |
| **NU 18/1120X2/HC** | | 1120 | | 1290 | | 1182 | 1146 | 1334 | | 5 | 5 | 333 |
| **NU 6/1200** | 329/1200 | 1200 | | 1410 | | 1280 | 1236 | 1484 | | 6 | 6 | 815 |
| **NU 19/1250** | | 1250 | 1498 | 1350 | | | | | | | | 977 |

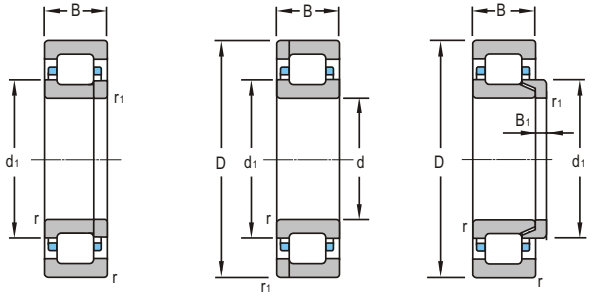



d 1320～1600mm

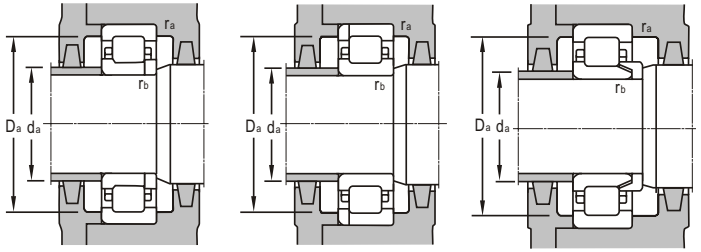
| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | $r_{1min}$ | *C* | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **1320** | 1720 | 175 | 7.5 | 7.5 | 4482 | 11034 | 190 | 240 |
| | 1720 | 175 | 7.5 | 7.5 | 4482 | 11034 | 190 | 240 |
| **1400** | 1700 | 175 | 7.5 | 7.5 | 7590 | 22100 | 70 | 90 |
| **1500** | 1800 | 150 | 7.5 | 7.5 | 5320 | 16790 | 170 | 200 |
| | 1820 | 140 | 7.5 | 7.5 | 5090 | 13900 | 60 | 80 |
| **1600** | 1950 | 155 | 7.5 | 7.5 | 6174 | 17694 | 150 | 180 |




| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | *E* | *F* | $d_{amin}$ | $D_{amax}$ | $d_{bmin}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | | | | | mm | | | | | kg |
| **NU 19/1320** | 10329/1320 | 1320 | | 1565 | | 1440 | 1356 | 1684 | | 6 | 6 | 1148 |
| **NU 19/1320M** | 10329/1320H | 1320 | | 1565 | | 1440 | 1356 | 1684 | | 6 | 6 | 1164 |
| **N 28/1400** | | 1400 | 1506 | | | 1637 | 1370 | | 1647 | 6 | 6 | 812 |
| **NU 6/1500/YA** | 3-248 | 1500 | | 1688.4 | | 1586 | 1536 | 1764 | | 6 | 6 | 805 |
| **NU 18/1500C3** | | 1500 | | 1706 | | 1585 | 1530 | 1790 | | 6 | 6 | 758 |
| **NU 18/1600** | 10328/1600 | 1600 | | 1818 | | 1695 | 1636 | 1914 | | 6 | 6 | 1059 |



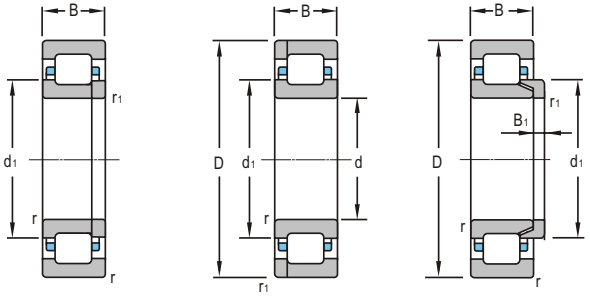

NUP NFP NH



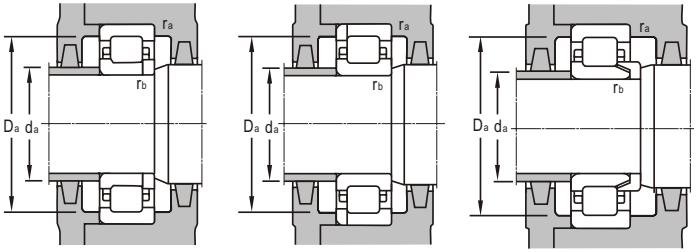

d 25～65mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | $r_{1min}$ | *C* | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **25** | 52 | 15 | 1 | 0.6 | 30.6 | 29.3 | 11000 | 14000 |
| | 62 | 17 | 1.1 | 1.1 | 36.6 | 33.0 | 9500 | 12000 |
| | 80 | 24 | 1.1 | 1.1 | 46.4 | 40.0 | 8500 | 10000 |
| **30** | 72 | 19 | 1.1 | 1.1 | 43.2 | 43.3 | 9000 | 11000 |
| | 72 | 27 | 1.1 | 1.1 | 61.5 | 64.1 | 8000 | 9500 |
| **32.5** | 62 | 16 | 1 | 1 | 21.9 | 13.5 | 10000 | 13000 |
| **35** | 80 | 21 | 1.5 | 1.1 | 64.2 | 39.2 | 8700 | 10960 |
| | 80 | 21 | 1.5 | 1.1 | 64.2 | 39.2 | 8700 | 10960 |
| | 80 | 21 | 1.5 | 1.1 | 80.2 | 83.3 | 2200 | 2750 |
| | 80 | 21 | 1.5 | 1.1 | 80.2 | 83.3 | 2200 | 2750 |
| | 80 | 21 | 1.5 | 1.1 | 70.6 | 66.2 | 7000 | 8500 |
| | 80 | 31 | 1.5 | 1.1 | 91.5 | 98.0 | 7000 | 8500 |
| | 90 | 23 | 1.5 | 1.1 | 91.4 | 95.9 | 8000 | 10080 |
| **40** | 80 | 18 | 1.1 | 1.1 | 49.1 | 43.0 | 7500 | 9000 |
| | 80 | 18 | 1.1 | 1.1 | 49.1 | 43.0 | 7500 | 9000 |
| | 90 | 23 | 1.5 | 1.5 | 83.6 | 88.4 | 6700 | 8000 |
| | 90 | 23 | 1.5 | 1.5 | 59.8 | 58.4 | 6700 | 8000 |
| **45** | 100 | 25 | 1.5 | 1.5 | 101 | 103 | 6300 | 7500 |
| | 100 | 25 | 1.5 | 1.5 | 115 | 145 | 3000 | 3500 |
| | 100 | 25 | 1.5 | 1.5 | 115 | 145 | 3000 | 3500 |
| **50** | 90 | 20 | 1.1 | 1.1 | 59.5 | 63.4 | 6300 | 7500 |
| | 110 | 27 | 2 | 2 | 90.4 | 90.7 | 5000 | 6000 |
| | 110 | 27 | 2 | 2 | 108 | 125 | 5000 | 6000 |
| **55** | 100 | 21 | 1.5 | 1.1 | 87 | 100 | 6000 | 7000 |
| | 120 | 29 | 2 | 2 | 140 | 146 | 4800 | 5600 |
| | 120 | 43 | 2 | 2 | 148 | 162 | 4800 | 5600 |
| **60** | 110 | 22 | 1.5 | 1.5 | 76 | 87 | 5300 | 6300 |
| | 130 | 31 | 2.1 | 2.1 | 135 | 141 | 4300 | 5000 |
| | 130 | 31 | 2.1 | 2.1 | 146 | 151 | 4300 | 5000 |
| | 150 | 35 | 2.1 | 2.1 | 167 | 168 | 4300 | 5000 |
| **65** | 140 | 33 | 2.1 | 2.1 | 140 | 146 | 4000 | 4800 |

| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | $B_1$ | $B_2$ | $d_{amin}$ | $D_{amax}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | mm | | | | mm | | | | kg |
| **NUP 205ETN1** | 92205EA | 25 | 34.7 | 43.5 | | | 29 | 47 | 1 | 0.6 | 0.14 |
| **NUP 305 ENTN1** | 192305EA | 25 | 38.1 | 50.4 | | | 31 | 55 | 1 | 1 | 0.253 |
| **NH 405 X2M** | 62705H | 25 | 39 | 48.7 | 4 | 8.83 | 32 | 72 | 1 | 1 | 0.853 |
| **NUP 306 EM** | | 30 | 45 | 58 | | | 37 | 65 | 1 | 1 | 0.418 |
| **NUP 2306M** | | 30 | 46 | 58.4 | | | 37 | 65 | 1 | 1 | 0.603 |
| **NUP 6/32.5** | 3-250 | 32.5 | 41.8 | 49.9 | | | 37 | 57 | 1 | 1 | 0.24 |
| **NUP307M** | 92307H | 35 | 50.8 | 63.5 | | | 43 | 72 | 1.5 | 1 | 0.575 |
| **NUP307NM** | 192307HK | 35 | 50.8 | 63.5 | | | 43 | 72 | 1.5 | 1 | 0.569 |
| **NUP 307EV/C9** | | 35 | 52.2 | 64.4 | | | 44 | 71 | 1.5 | 1 | 0.552 |
| **NUP 307ENV/C9** | | 35 | 52.2 | 64.4 | | | 44 | 71 | 1.5 | 1 | 0.546 |
| **NUP 307EF1** | | 35 | 51.1 | 66.3 | | | 44 | 72 | 1.5 | 1 | 0.687 |
| **NUP 2307M** | 92607H | 35 | 50.8 | 63.5 | | | 42 | 71 | 1.5 | 1 | 0.902 |
| **NUP2207X1V/C9YB2** | | 35 | 55.2 | 70 | | | 53 | 81 | 1.5 | 1 | 0.812 |
| **NUP 208 ETN1** | 92208EA | 40 | 54.2 | 65.6 | | | 47 | 73 | 1 | 1 | 0.396 |
| **NUP 208 M** | 92208H | 40 | 54.2 | 65.6 | | | 47 | 73 | 1 | 1 | 0.468 |
| **NUP 308 EN** | 192308E | 40 | 57.5 | 75 | | | 49 | 81 | 1.5 | 1.5 | 0.693 |
| **NUP 308 M** | | 40 | 57.5 | 72.1 | | | 49 | 81 | 1.5 | 1.5 | 0.786 |
| **NUP 309 EF1** | | 45 | 64.7 | 83.6 | | | 54 | 91 | 1.5 | 1.5 | 1.27 |
| **NUP 309 ENV** | | 45 | 63.5 | 80.2 | | | 54 | 91 | 1.5 | 1.5 | 0.978 |
| **NUP 309 EV** | | 45 | 63.5 | 80.2 | | | 54 | 91 | 1.5 | 1.5 | 0.988 |
| **NH 210EM** | | 50 | 64 | 77.6 | 5 | 9.2 | 56.5 | 83.5 | 1.1 | 1.1 | 0.643 |
| **NH 310M** | 62310H | 50 | 70.2 | 89.6 | 8 | 13.81 | 59 | 101 | 2 | 2 | 1.46 |
| **NH 310 EF1** | | 50 | 71.2 | 91.7 | 8 | 12.81 | 59 | 101 | 2 | 2 | 1.72 |
| **NUP 211 EF1** | | 55 | 70.9 | 86.3 | | | 61.5 | 91 | 1.5 | 1 | 0.757 |
| **NUP 311 EF1** | | 55 | | 100.6 | | | 64 | 111 | 2 | 2 | 1.69 |
| **NUP 2311M** | 92611H | 55 | 76 | 98.5 | | | 64 | 111 | 2 | 2 | 2.89 |
| **NUP 212 M** | 92212H | 60 | 77.6 | 92.2 | | | 68 | 102 | 1.5 | 1.5 | 1.09 |
| **NUP 312 M** | | 60 | 84 | 106.5 | | | 71 | 120 | 2 | 2 | 2.16 |
| **NH312E/C9** | | 60 | 84.3 | 110 | 9 | 14.29 | 71 | 120 | 2 | 2 | 2.29 |
| **NUP 412** | 92412 | 60 | 91 | 118.8 | | | 72 | 138 | 2 | 2 | 3.42 |
| **NUP 313M** | 92313H | 65 | 91 | 114.9 | | | 77 | 129 | 2 | 2 | 2.65 |



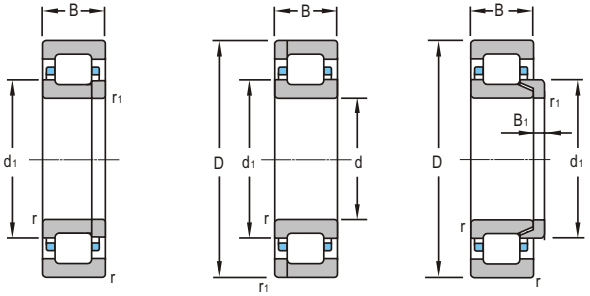

NUP NFP NH



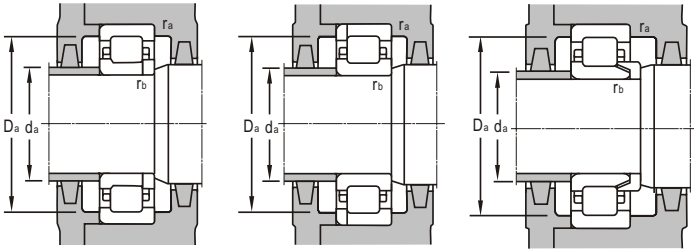

d 70～360mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | $r_{1min}$ | *C* | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **70** | 110 | 20 | 1.1 | 1 | 64.9 | 80.9 | 6000 | 7000 |
| | 125 | 24 | 1.5 | 1.5 | 123 | 143 | 4500 | 5300 |
| | 125 | 31 | 1.5 | 1.5 | 145 | 185 | 4500 | 5300 |
| | 150 | 35 | 2.1 | 2.1 | 209 | 228 | 3600 | 4300 |
| | 150 | 35 | 2.1 | 2.1 | 173 | 190 | 3600 | 4300 |
| **75** | 130 | 25 | 1.5 | 1.5 | 122 | 144 | 4500 | 5300 |
| **80** | 140 | 33 | 2 | 2 | 187 | 245 | 4000 | 4800 |
| **85** | 210 | 52 | 4 | 4 | 357 | 386 | 3180 | 4010 |
| **100** | 180 | 50 | 2.1 | 2.1 | 335 | 445 | 3200 | 3800 |
| | 215 | 47 | 3 | 3 | 365 | 406 | 2400 | 3000 |
| | 215 | 47 | 3 | 3 | 390 | 440 | 2400 | 3000 |
| **120** | 215 | 40 | 2.1 | 2.1 | 250 | 299 | 2400 | 3000 |
| | 240 | 80 | 3 | 4 | 477 | 408 | 2520 | 3180 |
| **130** | 250 | 80 | 3 | 4 | 547 | 473 | 2360 | 2980 |
| | 250 | 80 | 3 | 3 | | | | |
| | 250 | 80 | 3 | 4 | 604 | 807 | 2360 | 2980 |
| | 280 | 58 | 4 | 4 | 566 | 679 | 1800 | 2200 |
| **140** | 250 | 68 | 4 | 3 | 547 | 787 | 2000 | 2600 |
| | 310 | 108 | 4 | 4 | 1280 | 1800 | 1000 | 1300 |
| **150** | 225 | 35 | 2.1 | 2.1 | 216 | 320 | 2600 | 3200 |
| **190** | 340 | 92 | 4 | 4 | 1046 | 1555 | 1600 | 1900 |
| **240** | 500 | 95 | 5 | 5 | 1390 | 1610 | 1000 | 1300 |
| **260** | 400 | 65 | 4 | 4 | 659 | 1030 | 1500 | 1800 |
| | 400 | 65 | 4 | 4 | 659 | 1030 | 1500 | 1800 |
| **305** | 460 | 65 | 4 | 4 | 800 | 878 | 1200 | 1500 |
| **320** | 580 | 92 | 5 | 5 | 1825 | 2839 | 950 | 1200 |
| **360** | 520 | 82 | 5 | 5 | 1160 | 2100 | 1000 | 1300 |

| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | $B_1$ | $B_2$ | $d_{amin}$ | $D_{amax}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | mm | | | | mm | | | | kg |
| **NUP1014M** | | 70 | 84 | 95.6 | | | 75 | 103.5 | 1 | 1 | 0.74 |
| **NUP 214 E** | | 70 | 89.6 | 109 | | | 78 | 117 | 1.5 | 1.5 | 1.32 |
| **NUP 2214 M** | 92514EH | 70 | 89.4 | 114.9 | | | 78 | 117 | 1.5 | 1.5 | 1.9 |
| **NUP 314ENM/C3 YA4** | | 70 | 98 | 125 | | | 81 | 139 | 2 | 2 | 3.32 |
| **NUP 314NM** | | 70 | 98 | 120.5 | | | 81 | 139 | 2 | 2 | 3.16 |
| **NUP 215EM** | | 75 | 94.5 | 114 | | | 95 | 121 | 1.5 | 1.5 | 1.46 |
| **NUP 2216 EQ1/P63S0** | | 80 | 101 | 122.5 | | | 89 | 131 | 2 | 2 | 2.38 |
| **NUP417Q1/C9S0** | 8G92417QT | 85 | 127 | 170.5 | | | 105 | 190 | 3 | 3 | 9.7 |
| **NJP 2220X2M** | 152720H | 100 | 127.9 | 151.3 | | | 111 | 169 | 2 | 2 | 5.9 |
| **NUP 320 EM** | | 100 | 139 | 182.3 | | | 114 | 202 | 2.5 | 2.5 | 8.78 |
| **NH 320** | | 100 | 139.1 | 182.3 | 13 | 20.23 | 114 | 201 | 2.5 | 2.5 | 9.74 |
| **NUP 224M** | 92224H | 120 | 151.1 | 182.3 | | | 131 | 204 | 2 | 2 | 6.51 |
| **NJP 624Q/SO** | 152724QT | 120 | 162 | 194 | | | 150 | 218 | 3 | 3 | 17.2 |
| **NJP626Q/SO** | 152726QT | 130 | 170.5 | 205 | | | 152 | 228 | 4 | 4 | 18.7 |
| **NJP626M** | 152726H | 130 | 170 | 205 | | | 152 | 228 | 4 | 4 | 18.7 |
| **NJP3226X1** | | 130 | 171 | 206 | | | 152 | 228 | 4 | 4 | 18.5 |
| **NH326E/P64** | | 130 | 182 | 227 | | | 148 | 262 | 3 | 3 | 20.5 |
| **NJP 2228Q1/C4S0** | | 140 | 179 | 216 | | | 154 | 236 | 2.5 | 2.5 | 15.5 |
| **NH 2328X3V** | | 140 | 203.5 | 261.5 | 16 | 31.2 | 158 | 292 | 3 | 3 | 42.8 |
| **NUP 1030Q1/P64** | | 150 | 176 | 199 | | | 161 | 214 | 2 | 1.5 | 5.09 |
| **NH 2238EM** | 62538EH<br>92348H | 190 | 240.8 | 296.8 | 13 | 26.12 | 208 | 322 | 3 | 3 | 44.1 |
| **NUP348M** | | 240 | 329.2 | 402.7 | | | 262 | 478 | 4 | 4 | 111 |
| **NUP 1052** | | 260 | 309.2 | 348.4 | | | 276 | 384 | 3 | 3 | 32.3 |
| **NUP 1052F1** | | 260 | 309.2 | 348.4 | | | 276 | 384 | 3 | 3 | 32.3 |
| **NFP 661** | 22761<br>52264 | 305 | 362 | | | | 325 | 442 | 2.5 | 2.5 | 41.1 |
| **NH264** | | 320 | | 415 | | | 340 | 560 | 4 | 4 | 125 |
| **NUP 1072X1M** | | 360 | 416 | 463 | | | 382 | 498 | 4 | 4 | 61.3 |



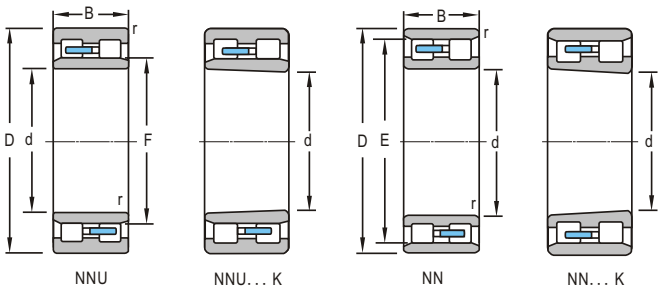

NUP NFP NH



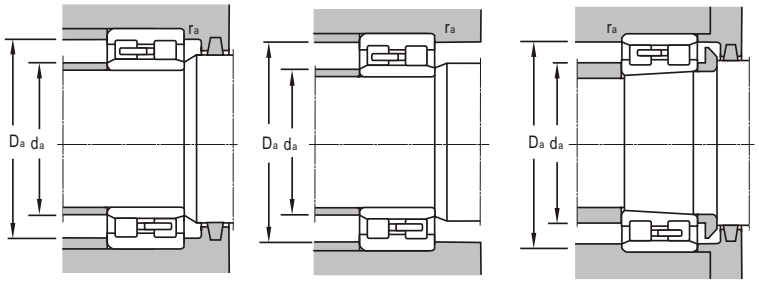

d 360～950mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| d | D | B | $r_{min}$ | $r_{1min}$ | C | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **360** | 540 | 106 | 5 | 5 | 1750 | 3240 | 900 | 1100 |
| **380** | 480 | 60 | 2.1 | 2.1 | 668 | 1437 | 1000 | 1300 |
| **419.1** | 558.8 | 76.2 | 4 | 4 | 1240 | 2550 | 950 | 1200 |
| **460** | 620 | 95 | 4 | 4 | 1769 | 3883 | 750 | 900 |
| | 680 | 100 | 6 | 6 | 2000 | 3700 | 800 | 950 |
| **500** | 670 | 100 | 5 | 5 | 2000 | 4510 | 750 | 900 |
| **508** | 622.3 | 95.25 | 3 | 3 | 1627 | 3858 | 800 | 950 |
| **530** | 710 | 106 | 5 | 5 | 2170 | 5200 | 700 | 850 |
| **558.8** | 685.8 | 100 | 3 | 3 | 1936 | 4560 | 700 | 850 |
| **560** | 920 | 128 | 7.5 | 7.5 | 3540 | 6370 | 500 | 600 |
| **600** | 730 | 90 | 3 | 3 | 1800 | 4240 | 670 | 800 |
| **630** | 780 | 112 | 4 | 4 | 2000 | 4800 | 560 | 670 |
| **650** | 900 | 170 | 6 | 6 | 4497 | 10875 | 480 | 560 |
| **660.4** | 812.8 | 107.95 | 6 | 6 | 2286 | 6000 | 600 | 700 |
| **670** | 820 | 112 | 3.5 | 3.5 | 2135 | 5700 | 500 | 600 |
| **700** | 930 | 160 | 6 | 6 | 3450 | 8400 | 500 | 600 |
| **710** | 950 | 106 | 6 | 6 | 2610 | 5530 | 500 | 600 |
| **723.795** | 908.05 | 120.65 | 5 | 5 | 3060 | 7620 | 500 | 600 |
| **750** | 1000 | 112 | 6 | 6 | 3070 | 6960 | 480 | 560 |
| **950** | 1250 | 175 | 7.5 | 7.5 | 5317 | 13932 | 340 | 400 |

| Bearing Designations | | Journal | Other Dimensions | | | | Mounting Dimensions | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | $d_1$ | $D_1$ | $B_1$ | $B_2$ | $d_{amin}$ | $D_{amax}$ | $r_{amax}$ | $r_{bmax}$ | |
| | | mm | mm | | | | mm | | | | kg |
| **NJP2072 EM** | 2152172 | 360 | 423 | 475 | | 405 | 380 | 520 | 4 | 4 | 96 |
| **NUP 2876/Y A** | 2092876K | 380 | 417 | 444 | | | 392 | 468 | 2 | 2 | 26.4 |
| **NUP 6/419.1Q1/C9** | 92984Q U | 419.1 | 465 | 515 | | | 437 | 540 | 3 | 3 | 55.4 |
| **NUP 2992** | 2092992 | 460 | 516 | 562 | | | 480 | 596 | 3 | 3 | 87 |
| **LY-N024** | | 460 | 537.6 | 600 | 25 | 40.49 | 488 | 652 | 5 | 5 | 144 |
| **NUP 29/500** | | 500 | 560 | 610 | | | 522 | 648 | 4 | 4 | 105 |
| **NUP 6/508Q1/C9** | 928/508 QU | 508 | 544.6 | 586.6 | | | 520 | 611 | 2.5 | 2.5 | 64.7 |
| **NUP 29/530** | 20929/530 | 530 | 592 | 644 | | | 555 | 685 | 4 | 4 | 127 |
| **NUP 6/558.8** | 929/558.8 QU | 558.8 | 599 | 646.5 | | | 570 | 674 | 2.5 | 2.5 | 84.2 |
| **NU1/560X2 +HJ1/560** | | 560 | 693 | 797 | 25 | 48.4 | 592 | 888 | 6 | 6 | 381 |
| **NFP6/600M** | 228/600H | 600 | 636 | 694 | | | 613 | 717 | 2.5 | 2.5 | 89.1 |
| **NFP6/630M** | 30228/630 | 630 | 678 | 731.5 | | | 648 | 762 | 3 | 3 | 119 |
| **NUP 6/650** | 927/650 | 650 | 739 | 808 | | | 678 | 872 | 5 | 5 | 349 |
| **NUP 6/660.4** | 929/660.4 | 660.4 | 709.4 | 763.8 | | | 688 | 784 | 5 | 5 | 131 |
| **NFP6/670M** | 30228/670H | 670 | 724 | 769 | | | 684 | 805 | 3 | 3 | 142 |
| **NUP 6/700** | 927/700 | 700 | 781 | 845 | | | 728 | 902 | 5 | 5 | 308 |
| **NUP 19/710** | 10929/710 | 710 | 797 | 863 | | | 738 | 922 | 5 | 5 | 220 |
| **NFP6/723.795Q1** | | 725.795 | 784.2 | 852.8 | | | 700 | 932 | 4 | 4 | 198 |
| **NUP 19/750** | | 750 | 840 | 917 | | | 778 | 972 | 5 | 5 | 255 |
| **NUP 29/950** | 20929/950 | 950 | 1058 | 1137 | | | 986 | 1214 | 6 | 6 | 612 |



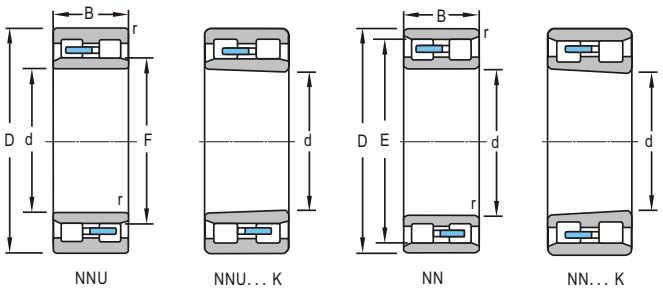

NNU　NNU...K　NN　NN...K



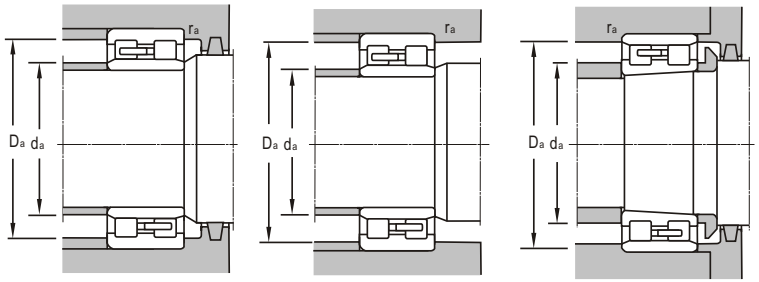

d 40～140mm

| Boundary Dimensions | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | *C* | $C_0$ | | |
| mm | | | | kN | | r/min | |
| **40** | 68 | 37 | 0.6 | 82.1 | 121 | 2000 | |
| | 68 | 38 | 0.6 | 100 | 142 | 2000 | |
| | 68 | 38 | 1.5 | 99.6 | 141 | 4800 | 6000 |
| **50** | 80 | 23 | 1 | 53 | 73.2 | 8000 | 9400 |
| **55** | 90 | 45 | 0.6 | 144 | 228 | 1500 | |
| **60** | 95 | 26 | 1.1 | 70.2 | 105 | 8500 | 10000 |
| | 95 | 26 | 1.1 | 70.2 | 105 | 8500 | 10000 |
| **70** | 110 | 30 | 1.1 | 95.8 | 145 | 7000 | 8500 |
| | 110 | 30 | 1.1 | 95.8 | 145 | 7000 | 8500 |
| **75** | 115 | 30 | 1.1 | 101 | 158 | 6700 | 8000 |
| | 115 | 30 | 1.1 | 101 | 158 | 6700 | 8000 |
| **80** | 125 | 34 | 1.1 | 123 | 194 | 6300 | 7500 |
| | 125 | 34 | 1.1 | 123 | 194 | 6300 | 7500 |
| | 125 | 34 | 1.1 | 123 | 194 | 6300 | 7500 |
| **85** | 130 | 34 | 1.1 | 122 | 195 | 6000 | 7000 |
| **90** | 140 | 37 | 1.5 | 142 | 226 | 5600 | 6700 |
| | 140 | 66 | 0.6 | 297 | 560 | 900 | |
| **100** | 150 | 37 | 1.5 | 161 | 274 | 5300 | 6000 |
| | 150 | 66 | 1.5 | 320 | 585 | 850 | |
| **105** | 160 | 41 | 2 | 201 | 328 | 4800 | 5600 |
| **110** | 170 | 80 | 1.8 | 389 | 711 | 570 | 750 |
| | 200 | 69.8 | 2.1 | 372 | 592 | 3100 | 3900 |
| **120** | 180 | 46 | 2 | 235 | 397 | 4300 | 5000 |
| | 180 | 79 | 1.8 | 406 | 765 | 530 | 700 |
| **130** | 200 | 52 | 2 | 294 | 498 | 4000 | 4500 |
| | 200 | 52 | 2 | 294 | 498 | 4000 | 4500 |
| **140** | 210 | 53 | 2 | 308 | 539 | 3800 | 4300 |

| Bearing Designations | | Journal | Other Dimensions | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | *F* | *E* | $d_{amin}$ | $d_{amax}$ | $D_{amax}$ | $D_{amin}$ | $r_{amax}$ | |
| | | mm | mm | | mm | | | | | kg |
| **NNF5008- 2LSNV** | | 40 | 47 | 61 | 44 | 50 | 65 | 63 | 0.6 | 0.535 |
| **NNF5008DA.V .C4.S3** | | 40 | 46 | 62 | 44 | 50 | 65 | 63 | 0.6 | 0.524 |
| **NNCF5008V/P54 S3** | | 40 | | 61.74 | 44.6 | 45.9 | 63.4 | 68 | 1 | 0.545 |
| **NN 3010 K** | 3182110 | 50 | | 72.5 | 55 | | 75 | 74 | 1 | 0.421 |
| **NNF5011-2LS** | | 55 | 63.5 | 81.5 | 60 | 67 | 85 | 83 | 0.6 | 1.16 |
| **NN3012K** | | 60 | | 85.5 | 66.5 | | 88.5 | 87 | 1 | 0.707 |
| **NN3012** | | 60 | | 85.5 | 66.5 | | 88.5 | 87 | 1 | 0.708 |
| **NN3014K** | | 70 | | 100 | 76.5 | | 103.5 | 101 | | 0.963 |
| **NN3014K/ P4W33** | | 70 | | 100 | 76.5 | | 103.5 | 101 | 1 | 1.04 |
| **NN3015K** | | 75 | | 105 | 81.5 | | 108.5 | 106 | 1 | 1.12 |
| **NN3015** | | 75 | | 105 | 81.5 | | 108.5 | 106 | 1 | 1.13 |
| **NN3016K** | | 80 | | 113 | 86.5 | | 118.5 | 114 | 1 | 1.54 |
| **Nn3016** | | 80 | | 113 | 86.5 | | 118.5 | 114 | 1 | 1.6 |
| **NN3016K/ P4W33** | | 80 | | 113 | 86.5 | | 118.5 | 114 | 1 | 1.5 |
| **NN3017K** | | 85 | | 118 | 91.5 | | 123.5 | 119 | 1 | 1.59 |
| **NN3018K** | | 90 | | 127 | 98 | | 132 | 129 | 1.5 | 2.12 |
| **NNF5018- 2LSNV** | | 90 | 103.5 | 127.5 | 96 | 106 | 135 | 130 | 0.6 | 3.24 |
| **NN 3020 K** | | 100 | | 137 | 108 | | 142 | 139 | 1.5 | 2.31 |
| **NNF5020- 2LSV/Y A1** | | 100 | 113 | 139 | 105 | 117 | 146 | 141 | 1.5 | 3.98 |
| **NN 3021K** | 3282222 | 105 | | 146 | 115 | | 150 | 148 | 2 | 2.99 |
| **NNF5022-2LSNV** | | 110 | | 154.5 | 117 | 125 | 165 | 160 | 1 | 5.37 |
| **NN 3222** | | 110 | | 178.5 | 139 | | 182 | 180 | 2 | 9.52 |
| **NN3024K** | | 120 | | 165 | 130 | | 170 | 167 | 2 | 3.99 |
| **NNF5024-2LSNV** | | 120 | | 164 | 127 | 134 | 175 | 170 | 1 | 6.81 |
| **NN3026K** | | 130 | | 182 | 140 | | 190 | 183 | 2 | 5.76 |
| **NN3026K/ W33** | | 130 | | 182 | 140 | | 190 | 183 | 2 | 5.76 |
| **NN 3028 K** | | 140 | | 192 | 150 | | 200 | 194 | 2 | 6.43 |



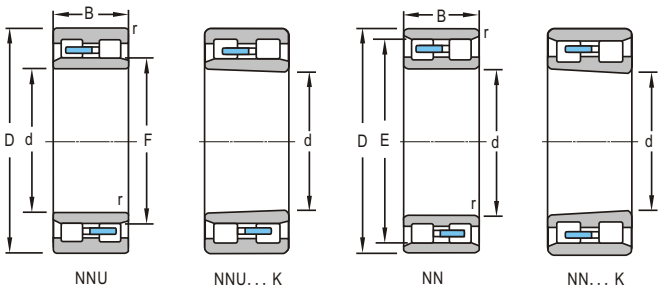

NNU　NNU... K　NN　NN... K



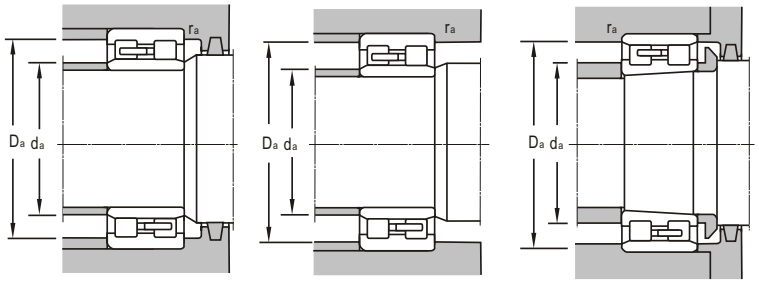

d 140～280mm

| Boundary Dimensions | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | *C* | $C_0$ | | |
| mm | | | | kN | | r/min | |
| **140** | 210 | 53 | 2 | 308 | 539 | 3800 | 4300 |
| **150** | 225 | 56 | 2.1 | 335 | 587 | 3600 | 4000 |
| **160** | 240 | 60 | 2.1 | 446 | 776 | 3400 | 3800 |
| | 240 | 60 | 2.1 | 446 | 776 | 3400 | 3800 |
| | 262 | 108 | 2 | 784 | 1600 | 380 | 500 |
| **170** | 260 | 67 | 2.1 | 450 | 805 | 3000 | 3400 |
| **180** | 260 | 84 | 2.1 | 567 | 1130 | 2000 | 2600 |
| | 270 | 120 | 2.1 | 815 | 1570 | 2000 | 2600 |
| **190** | 260 | 69 | 2 | 485 | 1060 | 1900 | 2400 |
| | 260 | 69 | 2 | 485 | 1060 | 2000 | 2600 |
| **200** | 280 | 80 | 2.1 | 480 | 1040 | 1900 | 2400 |
| | 280 | 80 | 2.1 | 480 | 1040 | 1900 | 2400 |
| | 310 | 82 | 2.1 | 653 | 1170 | 2400 | 2800 |
| | 310 | 82 | 2.1 | 653 | 1170 | 2400 | 2800 |
| **220** | 340 | 90 | 3 | 815 | 1480 | 2200 | 2600 |
| | 340 | 90 | 3 | 815 | 1480 | 2200 | 2600 |
| | 340 | 90 | 3 | 815 | 1480 | 2200 | 2600 |
| **240** | 300 | 60 | 2 | 446 | 1180 | 1100 | 1400 |
| | 320 | 80 | 2.1 | 546 | 1270 | 1700 | 2000 |
| | 360 | 92 | 3 | 892 | 1610 | 1600 | 1900 |
| | 360 | 92 | 3 | 892 | 1610 | 1600 | 1900 |
| | 400 | 160 | 4 | 1900 | 3600 | 1600 | 1400 |
| **260** | 360 | 100 | 2.1 | 785 | 1800 | 1400 | 1700 |
| | 360 | 100 | 2.1 | 785 | 1800 | 1400 | 1700 |
| | 360 | 100 | 2.1 | 785 | 1800 | 1400 | 1700 |
| | 400 | 104 | 4 | 1030 | 1920 | 1500 | 1700 |
| | 400 | 104 | 4 | 1030 | 1920 | 1500 | 1700 |
| | 400 | 189 | 1.1 | 2400 | 4720 | 330 | |
| | 400 | 189 | 1.1 | 2400 | 4720 | 330 | |
| | 440 | 180 | 5 | 2370 | 4270 | 1000 | 1300 |
| **280** | 380 | 100 | 2.1 | 760 | 1800 | 1300 | 1600 |

| Bearing Designations | | Journal | Other Dimensions | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | *F* | *E* | $d_{amin}$ | $d_{amax}$ | $D_{amax}$ | $D_{amin}$ | $r_{amax}$ | |
| | | mm | mm | | mm | | | | | kg |
| **NN 3028** | | 140 | | 192 | 150 | | 200 | 194 | 2 | 6.56 |
| **NN3030K** | | 150 | | 206 | 161 | | 214 | 208 | 2 | 7.87 |
| **NN3032K** | | 160 | | 223 | 171 | | 229 | 221 | 2 | 9.25 |
| **NN3032K/ W33** | | 160 | | 223 | 171 | | 229 | 221 | 2 | 9.18 |
| **NNF5032-2LSNRV** | | 160 | | 222.6 | 167 | 184 | 235 | 229 | 2 | 17.2 |
| **NN3034K** | | 170 | | 236 | 180 | | 249 | 238 | 2 | 12.8 |
| **NNU4936X3/ W33** | | 180 | 202 | | 190 | | 249 | 238 | 2 | 15 |
| **NNU4136X3** | | 180 | 202 | | 190 | 199 | 259 | 248 | 2 | 24 |
| **NNU 4938 K** | 438293 8 | 190 | 211 | | 200 | 209 | 250 | 246 | 2 | 10.96 |
| **NNU4938K/P5W33YA** | | 190 | 211.5 | | 199 | 211 | 251 | 242 | 2 | 10.9 |
| **NN 4940K** | 418294 0 | 200 | | 259 | 211 | 222 | 269 | 264 | 2 | 14.1 |
| **NN 4940 K/W33** | 418294 0Y | 200 | | 259 | 211 | 222 | 269 | 264 | 2 | 14.1 |
| **NN3040K** | | 200 | | 282 | 211 | | 299 | 285 | 2 | 22.6 |
| **NN3040K/ W33** | | 200 | | 282 | 211 | | 299 | 285 | 2 | 22.6 |
| **NN3044** | | 220 | | 310 | 230 | | 327 | 313 | 2 | 30.1 |
| **NN3044K/ W33** | | 220 | | 310 | 230 | | 327 | 313 | 2 | 29.1 |
| **NNU3044K/ W33** | | 220 | 254 | | 230 | | 327 | 313 | 2 | 29.2 |
| **NNC4848V** | 448274 8H | 240 | 253.5 | 279.5 | 247.5 | 255 | 290 | 287 | | |
| **NNU4948** | | 240 | 265 | | 251 | 262 | 309 | | 2 | 18.1 |
| **NN 3048** | | 240 | | 330 | 253 | | 347 | 333 | 2.5 | 32.3 |
| **NN 3048K/ W33** | | 240 | | 330 | 253 | | 347 | 333 | 2.5 | 32 |
| **NNU 4148M** | | 240 | 282 | | 256 | 278 | 384 | | 3 | 81.8 |
| **NN 4952 K** | | 260 | | 334 | 271 | 288 | 349 | | 2 | 30.2 |
| **NNU 4952/ C4W33-1** | | 260 | 292 | | 271 | 288 | 349 | | 2 | 31.7 |
| **NNU4952/ C3W33-1** | | 260 | 292 | | 272 | 288 | 349 | | 2 | 31.7 |
| **NN 3052 K** | 318215 2 | 260 | | 364 | 276 | | 384 | 367 | 3 | 44.3 |
| **NN 3052** | 328215 2 | 260 | | 364 | 276 | | 384 | 367 | 3 | 47.1 |
| **NNF5052- 2LSNV /W33** | | 260 | 292.5 | 372.5 | 276 | 298 | 385 | 368 | 3 | 80.2 |
| **NNF5052- 2LSNV /C9W33** | | 260 | 292.5 | 372.5 | 276 | 298 | 385 | 368 | 1.1 | 80.2 |
| **NNU4152/W33** | | 260 | 306 | | 276 | 300 | 424 | 407 | 3 | 112 |
| **NNU4956** | | 280 | 312 | | 291 | 308 | 369 | | 2 | 33.6 |



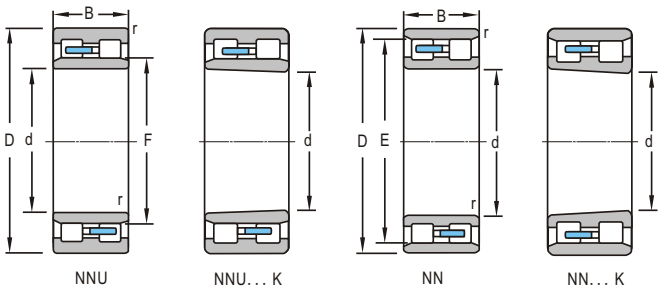

NNU　NNU... K　NN　NN... K

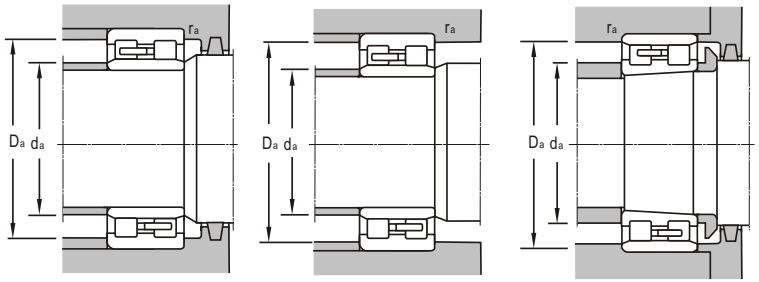



d 280～400mm

| Boundary Dimensions | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | *C* | $C_0$ | | |
| mm | | | | kN | | r/min | |
| **280** | 420 | 106 | 4 | 1110 | 2160 | 1800 | 2000 |
| | 420 | 106 | 4 | 1110 | 2160 | 1800 | 2000 |
| | 420 | 106 | 4 | 1110 | 2160 | 1800 | 2000 |
| | 460 | 180 | 5 | 2400 | 4250 | 950 | 1200 |
| **300** | 460 | 118 | 4 | 1280 | 2430 | 1700 | 1900 |
| | 460 | 118 | 4 | 1280 | 2430 | 1700 | 1900 |
| | 460 | 118 | 4 | 1280 | 2430 | 1700 | 1900 |
| | 460 | 118 | 4 | 1280 | 2430 | 1700 | 1900 |
| | 460 | 118 | 4 | 1580 | 3200 | 320 | 600 |
| | 460 | 118 | 4 | 1580 | 3200 | 320 | 600 |
| **320** | 440 | 118 | 3 | 1110 | 2640 | 1100 | 1400 |
| | 440 | 118 | 3 | 1110 | 2640 | 1100 | 1400 |
| | 440 | 118 | 3 | 1110 | 2640 | 1100 | 1400 |
| | 480 | 121 | 4 | 1300 | 2600 | 1600 | 1800 |
| | 480 | 121 | 4 | 1570 | 2970 | 920 | 1200 |
| **340** | 460 | 118 | 3 | 1270 | 3250 | 1100 | 1300 |
| | 520 | 133 | 5 | 1670 | 3300 | 1100 | 1300 |
| | 520 | 133 | 5 | 1670 | 3300 | 1100 | 1300 |
| | 520 | 133 | 5 | 1912 | 4084 | 550 | 610 |
| **360** | 480 | 118 | 3 | 1270 | 3250 | 1100 | 1300 |
| | 540 | 134 | 5 | 1630 | 3240 | 1000 | 1200 |
| **380** | 540 | 180 | 4 | 2500 | 5690 | 900 | 1050 |
| | 540 | 180 | 4 | 2880 | 6630 | 900 | 1050 |
| | 560 | 135 | 5 | 1690 | 3450 | 940 | 1100 |
| | 560 | 135 | 5 | 1690 | 3450 | 940 | 1100 |
| | 560 | 135 | 5 | 1690 | 3450 | 940 | 1100 |
| | 620 | 194 | 5 | 2700 | 5800 | 500 | 700 |
| **400** | 540 | 106 | 4 | 1240 | 2400 | 780 | 980 |
| | 540 | 106 | 4 | 1240 | 2400 | 780 | 980 |
| | 540 | 106 | 4 | 1240 | 2400 | 780 | 980 |
| | 600 | 148 | 5 | 2140 | 4420 | 1200 | 1400 |
| | 600 | 148 | 5 | 2140 | 4420 | 1200 | 1400 |
| | 600 | 148 | 5 | 2140 | 4420 | 1200 | 1400 |
| | 600 | 148 | 5 | 2140 | 4420 | 1200 | 1400 |
| | 650 | 250 | 6 | 4610 | 8970 | 710 | 890 |

| Bearing Designations | | Journal | Other Dimensions | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | *F* | *E* | $d_{amin}$ | $d_{amax}$ | $D_{amax}$ | $D_{amin}$ | $r_{amax}$ | |
| | | mm | mm | | mm | | | | | kg |
| **NN 3056 K** | | 280 | | 384 | 296 | | 404 | 387 | 3 | 49.1 |
| **NN 3056** | | 280 | | 384 | 296 | | 404 | 387 | 3 | 49.9 |
| **NN 3056K/ W33** | | 280 | | 384 | 296 | | 404 | 387 | 3 | 48.9 |
| **NNU4156** | | 280 | 326 | | 300 | 318 | 440 | | 4 | 120 |
| **NN 3060** | | 300 | | 418 | 316 | | 444 | 421 | 3 | 71.5 |
| **NN 3060/ W33** | | 300 | | 418 | 316 | | 444 | 421 | 3 | 71.1 |
| **NN 3060 K** | | 300 | | 418 | 316 | | 444 | 421 | 3 | 69.8 |
| **NN3060K/W33** | | 300 | | 418 | 316 | | 444 | 421 | 3 | 69.4 |
| **NNF3060V/W33** | | 300 | 346 | 418 | 316 | | 444 | 421 | 3 | 69.8 |
| **NNCF3060V** | | 300 | 346 | 418 | | | 444 | 421 | 3 | 69.8 |
| **NN 4964 K/W33** | 4182 964Y | 320 | | 409 | 334 | 355 | 427 | | 2.5 | 52 |
| **NNU 4964 K/W33** | | 320 | 359 | | 334 | 355 | 427 | | 2.5 | 54.7 |
| **NNU 4964 K/P5W33** | | 320 | 359 | | 334 | 355 | 427 | | 2.5 | 54.7 |
| **NN 3064 K** | 3182 164 | 320 | | 438 | 336 | | 464 | 442 | 3 | 77.9 |
| **NNU3064/W33** | | 320 | 366 | | 336 | 343 | 464 | 400 | 3 | 76.4 |
| **NN 4968 K/W33** | 4182 968Y | 340 | | 433 | 353 | 375 | 447 | | 2.5 | 53.8 |
| **NN 3068 K** | 3182 168 | 340 | | 473 | 360 | | 500 | 477 | 4 | 101 |
| **NN 3068** | 3282 168 | 340 | | 473 | 360 | | 500 | 477 | 4 | 104 |
| **NN3068V** | 3682 168U | 340 | | 473 | 360 | | 500 | 477 | 4 | 100 |
| **NNU4972K** | | 360 | 396 | | 374 | 395 | 466 | | 2.5 | 57.8 |
| **NN 3072 K** | 3182 172 | 360 | | 493 | 380 | | 520 | 497 | 4 | 106 |
| **NNU4076X1/W33XYA3** | | 380 | 420 | | 400 | 418 | 520 | | 4 | 132 |
| **LY-N025** | | 380 | 420 | | 400 | 418 | 520 | | 4 | 132 |
| **NN 3076** | | 380 | | 515 | 400 | | 540 | 516 | 3.5 | 114 |
| **NN3076K** | | 380 | | 515 | 400 | | 540 | 516 | 4 | 110 |
| **NN3076K/W33X** | | 380 | | 515 | 400 | | 540 | 516 | 4 | 110 |
| **NN 3176 V** | 3202 776 | 380 | | 560 | 458 | | 560 | 534 | 4 | 221 |
| **NN3980K** | 3182 980 | 400 | | 505 | 430 | | 510 | 486 | 3 | 71.3 |
| **NN 3980 K/W33** | 3182 980Y | 400 | | 505 | 430 | | 510 | 486 | 3 | 71.3 |
| **NN 3980 K/W33** | 3282 980 | 400 | | 505 | 430 | | 510 | 486 | 3 | 73.6 |
| **NN 3080 K** | | 400 | | 549 | 420 | | 580 | 533 | 4 | 149 |
| **NN3080K/W33** | | 400 | | 549 | 420 | | 580 | 533 | 4 | 149 |
| **NN 3080** | | 400 | | 549 | 420 | | 580 | 533 | 4 | 150 |
| **NN3080/W33** | | 400 | | 549 | 420 | | 580 | 533 | 4 | 150 |
| **NNU 4180 M/HC/C3** | | 400 | 463 | | 424 | 455 | 626 | | 5 | 319 |

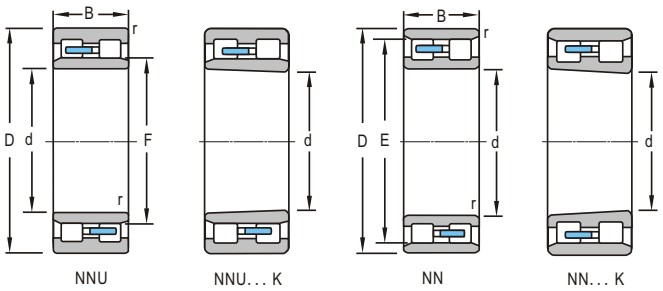


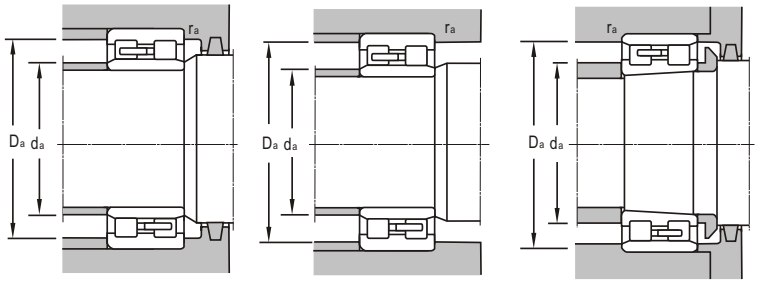

d 420～600mm

| Boundary Dimensions | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | *C* | $C_0$ | | |
| mm | | | | kN | | r/min | |
| **420** | 620 | 150 | 5 | 2170 | 4560 | 1000 | 1300 |
| | 620 | 200 | 5 | 3230 | 6850 | 740 | 920 |
| | 760 | 280 | 7.5 | 6000 | 11300 | 510 | 640 |
| **440** | 640 | 230 | 5 | 4340 | 9180 | 700 | 850 |
| **460** | 620 | 160 | 4 | 2230 | 5210 | 800 | 950 |
| | 620 | 160 | 4 | 2230 | 5210 | 800 | 950 |
| | 680 | 163 | 6 | 2590 | 5470 | 750 | 890 |
| | 680 | 163 | 6 | 2590 | 5470 | 750 | 890 |
| | 680 | 163 | 6 | 2590 | 5470 | 750 | 890 |
| | 800 | 250 | 7.5 | 5830 | 11200 | 560 | 700 |
| **480** | 700 | 165 | 6 | 2642 | 5680 | 700 | 850 |
| **500** | 670 | 170 | 5 | 2360 | 6200 | 700 | 850 |
| | 670 | 170 | 5 | 2570 | 6440 | 700 | 850 |
| | 720 | 167 | 6 | 2840 | 6140 | 950 | 1100 |
| | 830 | 325 | 7.5 | 7090 | 14400 | 460 | 600 |
| **530** | 710 | 136 | 5 | 2270 | 5130 | 670 | 800 |
| | 710 | 180 | 5 | 2820 | 7690 | 670 | 800 |
| | 760 | 260 | 6 | 5353 | 12834 | 600 | 700 |
| | 870 | 335 | 7.5 | 7800 | 15900 | 510 | 640 |
| **560** | 735 | 170 | 5 | 3030 | 7560 | 560 | 730 |
| | 750 | 140 | 5 | 2370 | 4860 | 670 | 800 |
| | 750 | 140 | 5 | 2450 | 5780 | 800 | 1000 |
| | 750 | 190 | 5 | 3480 | 8660 | 670 | 800 |
| | 780 | 180 | 6 | 3600 | 8270 | 600 | 700 |
| | 780 | 180 | 5 | 3600 | 8270 | 600 | 700 |
| | 820 | 195 | 6 | 3620 | 7890 | 560 | 670 |
| | 820 | 195 | 6 | 3620 | 7890 | 560 | 670 |
| | 820 | 195 | 6 | 3620 | 7890 | 560 | 670 |
| **600** | 800 | 200 | 5 | 3350 | 9320 | 700 | 900 |
| | 800 | 200 | 5 | 3580 | 10200 | 560 | 670 |
| | 820 | 287.5 | 5 | 6080 | 16600 | 530 | 630 |
| | 870 | 270 | 6 | 6450 | 15500 | 500 | 600 |
| | 980 | 375 | 7.5 | 9950 | 21000 | 370 | 480 |

| Bearing Designations | | Journal | Other Dimensions | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | *F* | *E* | $d_{amin}$ | $d_{amax}$ | $D_{amax}$ | $D_{amin}$ | $r_{amax}$ | |
| | | mm | mm | | mm | | | | | kg |
| **NN3084K** | | 420 | | 569 | 440 | 477 | 600 | 588 | 4 | 151 |
| **NNU 4084/W33/C3** | | 420 | 469 | | 440 | 463 | 601 | | 4 | 204 |
| **NNU 4184 X1/HC/P6** | | 420 | 508 | | 448 | 499 | 732 | | 6 | 587 |
| **NNU6/400/HC** | | 440 | 482 | | 466 | 475 | 614 | | 5 | 250 |
| **NNU 4992/W33** | | 460 | 504 | | 476 | 504 | 604 | | 3 | |
| **NNU 4992K/W33** | | 460 | 504 | | 476 | 504 | 604 | | 3 | |
| **NN 3092 K** | | 460 | | 623 | 484 | | 656 | 627 | 5 | 204 |
| **NN 3092** | | 460 | | 623 | 484 | | 656 | 627 | 5 | 204 |
| **NN3092/W33** | | 460 | | 623 | 484 | | 656 | 627 | 5 | 204 |
| **NNU 3192 X3/HC W33** | | 460 | 554 | | 489 | 554 | 771 | | 6 | 550 |
| **NN3096K/W33** | | 480 | | 643 | 506 | | 674 | 648 | 5 | 214 |
| **NNU 49/500/YA** | 44829/500 | 500 | 548 | | 520 | 548 | 650 | | 4 | 166 |
| **NNU 49/500K/W33** | | 500 | 551 | | 520 | 548 | 650 | | 4 | 169 |
| **NN30/500K/W33** | | 500 | | 664 | 526 | | 694 | 668 | | 223 |
| **NNU41/500/HC** | | 500 | 582 | | 533 | 568 | 587 | 797 | 6 | 710 |
| **NN39/530K** | | 530 | | 663 | 550 | 582 | 690 | | 4 | 149 |
| **NN 49/530 K/P4W33** | | 530 | | | 549 | 580 | 691 | 673 | 4 | 203 |
| **NNU6/530/W33XYA3** | | 530 | 587 | | 550 | | 740 | | 5 | 387 |
| **NNU 41/530 M/HC W33** | | 530 | 618 | | 580 | 608 | 842 | | 6 | 781 |
| **NNU19/560X1/HCW33** | | 560 | 603 | | 580 | 590 | 715 | 695 | 5 | 190 |
| **NN 39/560** | 32829/560 | 560 | | 705 | 576 | | 735 | 711 | 4 | 188 |
| **NN39/560K** | | 560 | | 705 | 590 | 623 | 725 | 715 | 5 | 172 |
| **NNU 49/560/SPC3W33X** | | 560 | 617 | | 580 | 644 | 730 | | 4 | 234 |
| **NN 6/560** | 2827/560 | 560 | | 725 | 580 | | 765 | 732 | 5 | 266 |
| **NN6/560KW/W33** | | 560 | | 725 | 580 | | 765 | 732 | 4 | 257 |
| **NN 30/560 KF1** | 31821/560 W | 560 | | 755 | 600 | | 794 | 765 | 5 | 341 |
| **NN30/560KF1/W33** | | 560 | | 755 | 600 | | 794 | 765 | 5 | 336 |
| **NN30/560F1/W33** | | 560 | | 755 | 600 | | 794 | 765 | 5 | 347 |
| **NN49/600K** | | 600 | | 750 | 630 | 662.8 | 770 | 760 | 5 | 281 |
| **NN 49/600 K** | 41829/600 | 600 | | 755 | 620 | 662 | 780 | | 4 | 257 |
| **NNU6/600/HC** | | 600 | 660 | | 620 | 651 | 805 | | 5 | 470 |
| **NNU40/600X2** | | 600 | 672 | | 626 | 653 | 844 | | 6 | 559 |
| **NNU41/600M/W33** | | 600 | 699 | | 633 | 682 | 947 | 898 | 6 | 1117 |



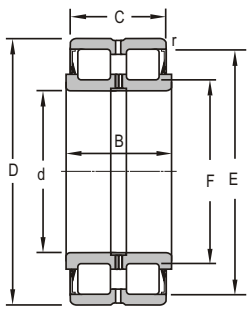

NNU　NNU...K　NN　NN...K

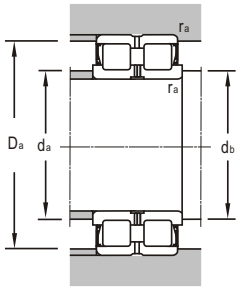



d 650～900mm

| Boundary Dimensions | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|
| | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | $r_{min}$ | *C* | $C_0$ | | |
| mm | | | | kN | | r/min | |
| **650** | 900 | 128 | 6 | 3750 | 8250 | 270 | 330 |
| **670** | 980 | 230 | 7.5 | 4890 | 10400 | 670 | 750 |
| **750** | 920 | 170 | 5 | 3380 | 10000 | 360 | 450 |
| **900** | 1180 | 280 | 5 | 6600 | 20000 | 170 | 210 |

| Bearing Designations | | Journal | Other Dimensions | | Mounting Dimensions | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | *F* | *E* | $d_{amin}$ | $d_{amax}$ | $D_{amax}$ | $D_{amin}$ | $r_{amax}$ | |
| | | mm | mm | | mm | | | | | kg |
| **NCF6/650V/P59** | | 650 | | 841.5 | 680 | 720 | 880 | 836 | 5 | 247 |
| **NN 30/670 Kf1** | 31821/670 W | 670 | | 900 | 704 | | 946 | 907 | 6 | 597 |
| **NN 48/750/P69W33** | | 750 | 879 | | 770 | | 900 | 885 | 4 | 240 |
| **NNU49/900C3W33X** | | 900 | 986 | | 926 | 977 | 1154 | 1110 | 4 | 805 |

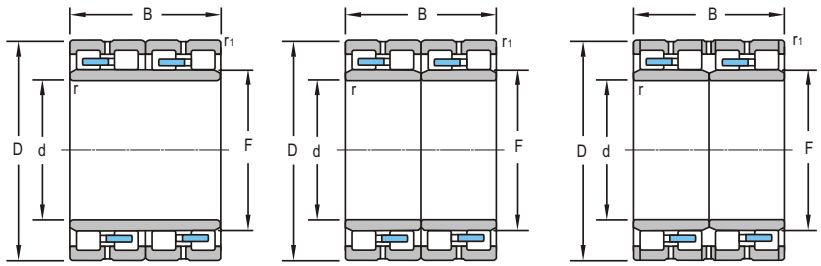


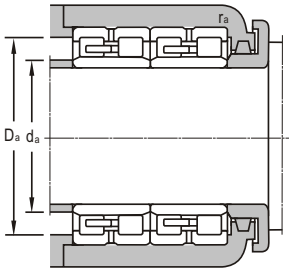

d 40～260mm

| Boundary Dimensions | | | | | Basic Load Ratings | | Limiting Speeds | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Dynamic | Static | Grease | Oil |
| *d* | *D* | *B* | *C* | $r_{min}$ | *C* | $C_0$ | | |
| mm | | | | | kN | | r/min | |
| **40** | 68 | 37 | 38 | 0.6 | 82.1 | 121 | 2000 | |
| | 68 | 38 | 38 | 0.6 | 100 | 142 | 2000 | |
| **55** | 90 | 45 | 46 | 0.6 | 144 | 228 | 1500 | |
| **85** | 130 | 59 | | 0.6 | 248 | 459 | 930 | |
| **90** | 140 | 66 | 67 | 0.6 | 297 | 560 | 900 | |
| | 140 | 66 | | 0.6 | 319 | 580 | 900 | |
| **100** | 150 | 66 | 67 | 1.5 | 320 | 585 | 850 | |
| **110** | 170 | 79 | | 0.6 | 389 | 711 | 800 | |
| **120** | 180 | 79 | | 0.6 | 406 | 765 | 750 | |
| **140** | 210 | 94 | | 0.6 | 608 | 1150 | 650 | |
| **160** | 240 | 108 | 109 | 0.6 | 800 | 1590 | 500 | |
| **170** | 230 | 80 | | 1 | 544 | 1147 | 450 | |
| **260** | 400 | 189 | 190 | 1.1 | 2400 | 4720 | 330 | |
| | 400 | 189 | 190 | 1.1 | 2400 | 4720 | 330 | |

| Bearing Designations | | Journal | Other Dimensions | | | | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Present | Original | | *F* | *E* | $d_{amin}$ | $d_{amax}$ | $d_{bmin}$ | $D_{amax}$ | $D_{amin}$ | $r_{amax}$ | |
| | | mm | mm | | | | | | | | kg |
| **NNF5008-2LSNV** | | 40 | 47 | 61 | 44 | 50 | 60 | 65 | 63 | 0.6 | 0.535 |
| **NNF5008DA.V.C4.S3** | | 40 | 46 | 62 | 44 | 50 | 60 | 65 | 63 | 0.6 | 0.524 |
| **NNF5011-2LS** | | 55 | 63.5 | 81.5 | 60 | 67 | 77 | 85 | 83 | 0.6 | 1.16 |
| **NNF5017-2LSNRV** | | 85 | 98.2 | 120.2 | 91 | 102 | | 125 | 123 | 0.6 | 2.79 |
| **NNF5018-2LSNV** | | 90 | 103.5 | 127.5 | 96 | 106 | 124 | 135 | 130 | 0.6 | 3.24 |
| **NNF5018-2LSNRV** | | 90 | 103.5 | 127.5 | 96 | 106 | | 135 | 130 | 0.6 | 3.71 |
| **NNF5020-2LSV/YA1** | | 100 | 113 | 139 | 105 | 117 | 130 | 146 | 141 | 1.5 | 3.98 |
| **NNF5022-2LSNRV** | | 110 | 124.5 | 154.5 | 116 | 129 | | 165 | 158 | 0.6 | 7 |
| **NNF5024-2LSNRV** | | 120 | 134 | 164 | 126 | 138 | | 175 | 168 | 0.6 | 7.5 |
| **NNF5028-2LSNRV** | | 140 | 157.5 | 195.5 | 146 | 163 | | 205 | 199 | 0.6 | 12.1 |
| **NNF5032-2LSNV/W33** | | 160 | 180.6 | 222.6 | 165 | 189 | 210 | 234 | 226 | 0.6 | 17.3 |
| **NNF170-2RV** | | 170 | 184 | 218 | 176 | 185 | | 225 | 221 | 1 | 9.09 |
| **NNF5052-2LSNV/W33** | | 260 | 292.5 | 372.5 | 276 | 298 | 305 | 385 | 368 | 3 | 80.2 |
| **NNF5052-2LSNV/C9W33** | | 260 | 292.5 | 372.5 | 276 | 298 | 305 | 385 | 368 | 1.1 | 80.2 |



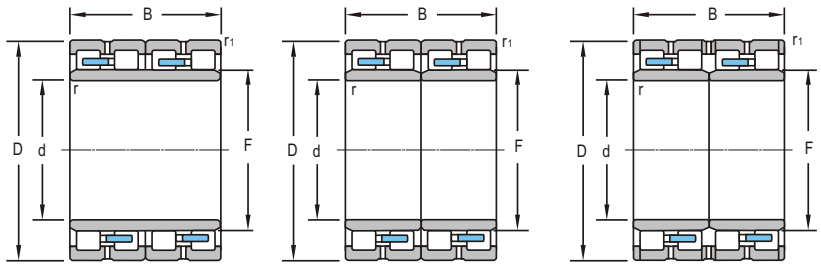

FC FCD FCDP



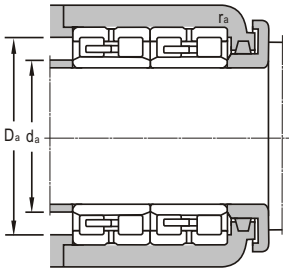

d 90～280mm

| Boundary Dimensions | | | | | | Basic Load Ratings | |
|---|---|---|---|---|---|---|---|
| | | | | | | Dynamic | Static |
| *d* | *D* | *B* | *F* | $r_{min}$ | $r_{1min}$ | *C* | $C_0$ |
| mm | | | | | | kN | |
| **90** | 140 | 70 | 105 | 1.5 | 1.1 | 219 | 423 |
| **100** | 140 | 104 | 111 | 1.5 | 1.1 | 333 | 793 |
| **131** | 196.85 | 128 | 148 | 2.1 | 2.1 | 604 | 1200 |
| **140** | 210 | 125 | 158 | 2 | 2 | 622 | 1270 |
| | 210 | 155 | 158 | 2 | 2 | 786 | 1710 |
| **150** | 225 | 120 | 169 | 2 | 2 | 658 | 1289 |
| **160** | 230 | 130 | 180 | 2 | 2 | 703 | 1560 |
| **170** | 230 | 160 | 185.6 | 2.1 | 2.1 | 894 | 2220 |
| **180** | 260 | 168 | 202 | 2.1 | 2.1 | 1152 | 2250 |
| | 260 | 168 | 202 | 2.1 | 2.1 | 1152 | 2250 |
| | 260 | 168 | 202.1 | 2.1 | 2.1 | 1152 | 2250 |
| **190** | 260 | 168 | 212 | 2.1 | 2.1 | 870 | 2340 |
| | 270 | 200 | 212 | 2.1 | 2.1 | 1359 | 3020 |
| | 270 | 200 | 212.3 | 2.1 | 2.1 | 1359 | 3020 |
| **200** | 290 | 192 | 226 | 2.1 | 2.1 | 1386 | 2880 |
| | 290 | 192 | 226 | 2.1 | 2.1 | 1330 | 3160 |
| **210** | 300 | 210 | 234 | 2.1 | 2.1 | 1520 | 3170 |
| **220** | 310 | 192 | 246 | 2.1 | 2.1 | 1512 | 3285 |
| **230** | 330 | 206 | 260 | 2.1 | 2.1 | 1683 | 3600 |
| **250** | 340 | 230 | 176 | 2.1 | 2.1 | 1720 | 4680 |
| **260** | 370 | 220 | 292 | 3 | 3 | 1944 | 4460 |
| | 370 | 220 | 292 | 3 | 3 | 1944 | 4460 |
| | 370 | 220 | 292 | 3 | 3 | 2012 | 4620 |
| **270** | 380 | 275 | 300 | 2.1 | 2.1 | 2620 | 6990 |
| **280** | 390 | 220 | 312 | 3 | 3 | 2016 | 4760 |

| Bearing Designations | | Other Dimensions | | | | Mass |
|---|---|---|---|---|---|---|
| Present | Original | $d_{amin}$ | $D_{amin}$ | $D_{amax}$ | $r_{amax}$ | |
| | | mm | | | | kg |
| **FC182870** | | 98 | 126 | 132 | 1 | 4.08 |
| **FC2028104** | | 108 | 129 | 135 | 1 | 5.18 |
| **BFC 2639128 X3/P5** | | 142 | 181 | 186 | 1.5 | 13.4 |
| **FC2842125** | | 151 | 192 | 199 | 1.5 | 15.6 |
| **FC2842155** | | 151 | 192 | 199 | 1.5 | 18.9 |
| **FC3045120** | | 161 | 207 | 216 | 1.5 | 15.9 |
| **FC3246130** | | 171 | 214 | 219 | 1.5 | 19.8 |
| **BFCD3446160/YA** | | 178 | 218 | 220 | 6.5 | 18.8 |
| **FC3652168** | | 191 | 240 | 248 | 1.5 | 30 |
| **FC3652168/YA** | | 191 | 240 | 248 | 1.5 | 30 |
| **FC3652168-1** | | 191 | 240 | 248 | 1.5 | 30 |
| **FC3852168/c4** | | 203 | 243 | 249 | 1.5 | 38.3 |
| **FC3854200** | | 215 | 252 | 259 | 1.5 | 38.3 |
| **FC3854200-1** | | 215 | 252 | 259 | 1.5 | 37.1 |
| **FC4058192** | | 212 | 268 | 278 | 2 | 42.8 |
| **FC4058192F/P54 S0** | | 212 | 268 | 278 | 2 | 43.1 |
| **FC4260210** | | 223 | 278 | 287 | 2 | 47.5 |
| **FC4462192** | | 233 | 286 | 298 | 2 | 47.1 |
| **FC4666206/SO** | | 243 | 306 | 317 | 2 | 59.3 |
| **FC5068230/HC/P64** | 6672164Y | 263 | 318 | 329 | 1.5 | 19.2 |
| **FC5274220** | | 274 | 342 | 356 | 2.5 | 77.3 |
| **FC5274220A** | 672764Y | 274 | 342 | 356 | 2.5 | 77.3 |
| **FC5274220/YA** | | 274 | 342 | 356 | 2.5 | 80.8 |
| **FCD 5476275 WB/P69** | 972768Y | 283 | 352 | 369 | 1.5 | 100 |
| **FC5678220** | | 294 | 362 | 376 | 2.5 | 83.4 |



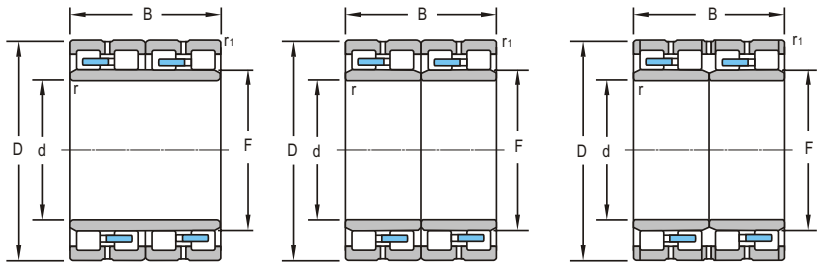

FC FCD FCDP



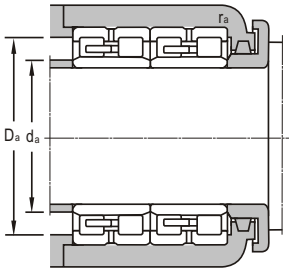

d 280～460mm

| Boundary Dimensions | | | | | | Basic Load Ratings | |
|---|---|---|---|---|---|---|---|
| | | | | | | Dynamic | Static |
| d | D | B | F | $r_{min}$ | $r_{1min}$ | C | $C_0$ |
| mm | | | | | | kN | |
| **280** | 390 | 275 | 312 | 3 | 3 | 2472 | 6190 |
| | 390 | 275 | 308 | 3 | 3 | 2530 | 6720 |
| **290** | 410 | 240 | 320 | 4 | 4 | 2150 | 5260 |
| | 410 | 240 | 320 | 4 | 4 | 2220 | 5450 |
| **300** | 420 | 240 | 332 | 4 | 4 | 2060 | 5020 |
| | 420 | 300 | 332 | 3 | 3 | 3366 | 7920 |
| | 420 | 300 | 332 | 3 | 3 | 3366 | 7920 |
| **310** | 420 | 300 | 338 | 4 | 4 | 2800 | 7520 |
| **320** | 480 | 290 | 364 | 4 | 4 | 3474 | 8847 |
| | 480 | 350 | 364 | 4 | 4 | 4455 | 9720 |
| | 480 | 350 | 364 | 4 | 4 | 4455 | 9720 |
| | 480 | 350 | 364 | 4 | 4 | 5779 | 13000 |
| **340** | 480 | 350 | 378 | 4 | 4 | 3790 | 10334 |
| | 480 | 350 | 378 | 4 | 4 | 3790 | 10334 |
| **360** | 510 | 370 | 397 | 8X20· | 4 | 4330 | 11300 |
| **370** | 520 | 380 | 409 | 4 | 4 | 4438 | 11815 |
| | 530 | 400 | 413 | | 5 | 4650 | 12600 |
| **380** | 540 | 400 | 422 | 4 | 4 | 5148 | 12600 |
| **400** | 560 | 410 | 445 | 5 | 5 | 6330 | 15800 |
| | 560 | 410 | 445 | 5 | 5 | 4680 | 13500 |
| | 560 | 410 | 445 | 12X20· | 4 | 5590 | 16400 |
| **410** | 600 | 440 | 460 | | 5 | 6640 | 17700 |
| **420** | 620 | 90 | 470 | 5 | 5 | 1500 | 2620 |
| **440** | 620 | 485 | 487 | 12.5X20· | 4 | 7090 | 20200 |
| **447.295** | 635.176 | 463.55 | 495 | 6 | 3 | 8250 | 20000 |
| **460** | 650 | 470 | 509 | 5 | 5 | 7920 | 20160 |

| Bearing Designations | | Other Dimensions | | | | Mass |
|---|---|---|---|---|---|---|
| Present | Original | $d_{amin}$ | $D_{amin}$ | $D_{amax}$ | $r_{amax}$ | |
| | | mm | | | | kg |
| **FCDP5678275/HCYB** | | 293 | 362 | 377 | 2.5 | 105 |
| **FC5678275** | | 293 | 363 | 377 | 2 | 101 |
| **FC5882240** | | 304 | 380 | 396 | 3 | 97.5 |
| **FC5882240/YA** | | 304 | 380 | 396 | 3 | 91.9 |
| **FC6084240** | | 314 | 392 | 406 | 3 | 98.3 |
| **FCD6084300** | | 314 | 392 | 406 | 2.5 | 128 |
| **FCDP6084300** | | 314 | 392 | 406 | 2.5 | 133 |
| **FCD 6284300 HC/P64** | | 328 | 391 | 402 | 3 | 117 |
| **FCDP6496290** | | 346 | 462 | 466 | 3 | 186 |
| **FC6496350** | | 346 | 462 | 466 | 3 | 225 |
| **FCD6496350** | | 346 | 462 | 466 | 3 | 225 |
| **FCDP6496350** | | 346 | 462 | 466 | 3 | 225 |
| **FCD6896350** | | 355 | 446 | 465 | 2.5 | 230 |
| **FCDP6896350** | | 355 | 446 | 465 | 2.5 | 230 |
| **FCDP72102370/HC** | | 377 | 470 | 493 | 3 | 234 |
| **FCDP74104380** | | 389 | 481 | 500 | 3 | 244 |
| **FCDP 74106400/HC/C4** | | 382 | 456 | 510 | 4 | 313 |
| **FCD76108400** | | 397 | 502 | 523 | 3 | 291 |
| **FCDP80112410** | | 419 | 525 | 547 | 4 | 320 |
| **FCDP 80112410** | | 419 | 525 | 547 | 4 | 320 |
| **FCDP80112410-1** | | 419 | 525 | 547 | 2 | 322 |
| **FCDP 82120440 HC/C4** | | 423 | 550 | 580 | 4 | 423 |
| **NU1084(NU 1084 M)** | | 440 | 590 | 600 | 4 | 90.1 |
| **FCDP88124450WB1** | | 480 | 570 | 595 | 2 | 444 |
| **LY-N040** | | | | | | 490 |
| **FCDP92130470M/HC** | | 484 | 609 | 626 | 4 | 500 |



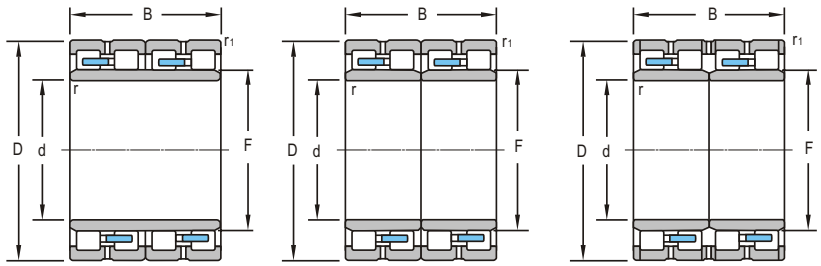

FC FCD FCDP



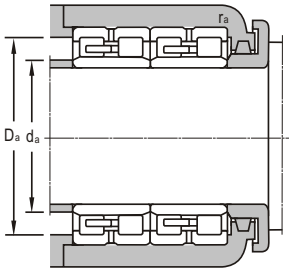

d 480～748mm

| Boundary Dimensions | | | | | | Basic Load Ratings | |
|---|---|---|---|---|---|---|---|
| | | | | | | Dynamic | Static |
| d | D | B | F | $r_{min}$ | $r_{1min}$ | C | $C_0$ |
| mm | | | | | | kN | |
| **480** | 650 | 450 | 525 | 6 | 6 | 7425 | 19080 |
| | 650 | 450 | 525 | 6 | 6 | 7425 | 19080 |
| | 680 | 500 | 532 | 6 | 6 | 8217 | 19800 |
| | 700 | 400 | 538 | 5 | 5 | 8568 | 21600 |
| **500** | 670 | 450 | 540 | 6 | 6 | 9800 | 20200 |
| | 720 | 530 | 568 | 6 | 6 | 10000 | 28000 |
| **520** | 735 | 535 | 574.5 | 6 | 6 | 9620 | 27600 |
| **530** | 760 | 520 | 587 | 12X20· | 5 | 11800 | 27900 |
| **560** | 820 | 600 | 625 | 6 | 4 | 12780 | 35600 |
| | 820 | 630 | 625 | 6 | 6 | 14000 | 35800 |
| **570** | 815 | 594 | 628 | 6 | 6 | 12080 | 30180 |
| **600** | 870 | 640 | 672 | 6 | 6 | 14900 | 26100 |
| | 870 | 640 | 669 | 6 | 6 | 15000 | 37700 |
| | 870 | 640 | 669 | 6 | 6 | 15000 | 37700 |
| | 870 | 640 | 669 | 6 | 6 | 15000 | 37700 |
| **610** | 870 | 660 | 680 | | 6 | 14500 | 44600 |
| | 870 | 660 | 680 | | 6 | 14500 | 44600 |
| **650** | 900 | 650 | 704 | | 7.5 | 14200 | 42100 |
| | 900 | 650 | 704 | 20X11.20' | 7.5 | 14200 | 42100 |
| | 920 | 690 | 723 | 18X20· | 6 | 14500 | 46300 |
| | 920 | 670 | 723 | 8X20· | 7.5 | 14000 | 41900 |
| | 920 | 670 | 723 | 17X20· | 7.5 | 14000 | 41900 |
| **658** | 1075 | 650 | 766 | 6 | 6 | 18450 | 38700 |
| **680** | 980 | 640 | 760 | 18X20· | 4 | 15300 | 46000 |
| **690** | 980 | 715 | 767.5 | 6 | 4 | 17820 | 55330 |
| | 980 | 750 | 766 | | 7.5 | 17000 | 52000 |
| | 980 | 750 | 766 | 20X20· | 7.5 | 17000 | 52000 |
| | 980 | 750 | 766 | 20X20· | 7.5 | 17000 | 52000 |
| **748** | 1135 | 690 | 851 | 6 | 4 | 19800 | 45900 |

| Bearing Designations | | Other Dimensions | | | | Mass |
|---|---|---|---|---|---|---|
| Present | Original | $d_{amin}$ | $D_{amin}$ | $D_{amax}$ | $r_{amax}$ | |
| | | mm | | | | kg |
| FCD96130450 | | 500 | 610 | 630 | 4 | 453 |
| FCDP96130500 | | 500 | 610 | 630 | 4 | 448 |
| FCDP96136500 | | 500 | 632 | 660 | 4 | 607 |
| FCDP96140400 | 672796Y | 500 | 648 | 680 | 4 | 508 |
| FCDP100134450 | 6728/500Y | 520 | 629 | 650 | 4 | 441 |
| FCDP100144530 | | | | | | 248 |
| **FCD104147535/HC** | | 541 | 680.5 | 714 | 4 | 721 |
| **BFCDP106152520/YB** | | 548 | 705 | 735 | 5 | 804 |
| FCDP112164600 | | 577 | 757 | 803 | 4 | 1071 |
| FCD112164630 | | 577 | 757 | 803 | 4 | 1134 |
| FCD114163594 | 9727/570Y | 595 | 757 | 730 | 4 | 1066 |
| FCDP120174640K | | 625 | 808 | 845 | 4 | 1286 |
| FCDP120174640K1 | | | | | | 1294 |
| FCDP120174640K2 | | 621 | 809 | 849 | 4 | 1294 |
| FCDP120174640K2 | | 621 | 809 | 849 | 4 | 1294 |
| BFCDP 120174640/HC/P64YA | | 623 | 791 | 845 | 4 | 1303 |
| BFCDP 120164575/HC P64 | | 618 | 760 | 805 | 2.5 | 920 |
| BFCDP 122174660/P5 | | 625 | 799 | 845 | | 1316 |
| FCDP130180650HC/P64 | | 662 | 830 | 872 | 5 | 1270 |
| **BFCDP130180650/HC** | | 690 | 830 | 850 | 6 | 1270 |
| **BFCDP130184690** | | 680 | 856 | 890 | 6 | 1510 |
| **BFCDP130184670-2** | | 680 | 855 | 890 | 6 | 1492 |
| **BFCDP130184670-3** | | 680 | 855 | 890 | 6 | 1492 |
| FCDP132215650X3 | 6729/658 | 621 | 809 | 872 | 5 | 2400 |
| **BFCDP136196640/HC** | | 748 | 895 | 915 | 3 | 1633 |
| FCDP138196715 | | 720 | 911.5 | 950 | 4 | 1862 |
| BFCDP 138196750-4/P5 | | 771 | 896 | 950 | 5 | 1894 |
| **BFCDP138196750-4** | | 720 | 910 | 954 | 5 | 1894 |
| **BFCDP138196750-5/HC** | | 720 | 910 | 954 | 5 | 1900 |
| FCDP150227690X3 | 6729/748 | 777 | 1038 | 1100 | 4 | 2570 |




FC FCD FCDP




d 780～950mm

| Boundary Dimensions | | | | | | Basic Load Ratings | |
|---|---|---|---|---|---|---|---|
| | | | | | | Dynamic | Static |
| *d* | *D* | *B* | *F* | $r_{min}$ | $r_{1min}$ | *C* | $C_0$ |
| mm | | | | | | kN | |
| **780** | 1070 | 780 | 849 | 17X20· | 7.5 | 19600 | 64500 |
| **800** | 1080 | 700 | 870 | 7.5 | 3 | 19000 | 57000 |
| | 1080 | 700 | 878 | 7.5 | 3 | 17850 | 53650 |
| | 1080 | 700 | 891 | 15X20· | 3 | 16900 | 58800 |
| **820** | 1130 | 800 | 903 | | 6 | 21700 | 67000 |
| **850** | 1150 | 840 | 928 | 7.5 | 7.5 | 30500 | 67500 |
| **900** | 1220 | 840 | 989 | 7.5 | 7.5 | 23600 | 72000 |
| | 1220 | 840 | 989 | | 7.5 | 27000 | 81200 |
| **950** | 1300 | 850 | 1044 | 7.5 | 7.5 | 29000 | 92000 |

| Bearing Designations | | Other Dimensions | | | | Mass |
|---|---|---|---|---|---|---|
| Present | Original | $d_{amin}$ | $D_{amin}$ | $D_{amax}$ | $r_{amax}$ | |
| | | mm | | | | kg |
| **BFCDP156214780/HC Yb1** | | 870 | 1009 | 1039 | 6 | 2159 |
| FCDP160216700 | | 827 | 1010 | 1050 | 5 | 1912 |
| BFCDP160216700/YA | | 827 | 1010 | 1050 | 5 | 1981 |
| **BFCDP160216700-2/P6** | | 827 | 1010 | 1050 | 5 | 1981 |
| BFCDP 164226800-1/P6 | | 835 | 1040 | 1100 | 4 | 2533 |
| FCDP170230840 | | 875 | 1088 | 1130 | 5 | 2529 |
| FCDP180244840 | | 931 | 1145 | 1190 | 5 | 3010 |
| BFCDP 180244840/YA/P64 | | 923 | 1130 | 1190 | 5 | 2984 |
| FCDP190260850 | 6727/950Y | 980 | 1210 | 1270 | 5 | 3523 |