BALTIC
BEARING
FACTORY

# BEARINGS



Baltic Bearing Factory

# Bearings

CATALOGUE CONTENT

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The nomenclature of rolling bearings, combined bearings, linear, case and hinged bearings, coupling and fixing barrels, ready details (balls, rollers) made and delivered by «Baltic Bearing Factory OU» according to the international quality standards is provided.

The catalogue reference book is intended for specialists in supply, technical officers of all industries using bearings, designers in the field of design of the equipment and mechanisms, mechanics on operation and repair of bearings.

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## I. CLASSIFICATION OF BEARINGS

Bearings are the elements of gears and cars design intended for reduction of friction resistance at rotary or progress with use of balls and rollers as rolling elements (rolling bearings) or special materials with small coefficient of friction and design features (plain bearings).

In the present catalog, rotating ball bearings and rolling bearings are generally given. Plain bearings are presented by small group of thrust bearings

***The main distinctive signs to classify bearings:***

1. Shape of rolling elements:
   - ball;
   - roller (with short and long rollers);
   - needle;
   - combined.

2. The direction of perceived loading:
   - radial;
   - radial-thrust;
   - thrust and radial;
   - thrust;
   - linear movement.

3. Number of rows of rolling elements:
   - single-row;
   - double-row;
   - multirow;
   - compound (duplexes, triplexes, etc.);
   - single and double (for axial bearings).

4. Existence of dust and mud protection:
   - with protective shields (on one or two sides);
   - with contact seals or small friction (on one or two sides).

5. Ability to compensate a misalignment of bearing parts or shaft bending:
   - self-established (spherical);
   - not self-established.

6. Fixing mode on a shaft and in a case:
   - with flanged cup;
   - with a groove under a retaining ring;
   - with fixing or coupling sleeves.

Except the main signs of classification, there are some additional, such as: form of rollers, features of design, etc.



## II. IDENTIFICATION OF BEARINGS

The full identification of bearings is regulated by GOST 3189-89 «Ball and roller bearings. The system of symbols» also consists of the main designation and additional. Additional designation consists of the prefix facing the main designation separated by a hyphen and the suffix following the main. Value of each character space is strictly regulated.

| Prefix | | | | Main designation | | | | | | | | Suffix | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 2 | 1 | - | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

***The main designation bears information on the geometrical sizes, type of bearing and its kind.***

1-2 - Designation of an inner diameter
3 - Designation of series of diameters (see tables)
4 - Designation of type; additional types (see the table)
5-6 - Constructive version
7 - Series of width

***The prefix bears information on an accuracy class, radial space, friction moment.***

1 - Accuracy class
2 - Radial space (see the section spacings of radial bearings)
3 - Friction moment

***The suffix*** bears information on an internal design, material of rings and rolling elements, material and design of separator, design features, type of plastic lubricant, etc

1 - Internal design
2 - Material (see the table)
3 - Constructive changes (To, K1, K2 …)
4 - The modified contact piece – «M»
5 - Drawing temperature (see the table)
6 - Lubricant (see the table)
7 - Vibration level (Sh, Sh1 …)

## FORMATION OF THE MAIN DESIGNATION

The vast majority of types of bearings can be designated by means of 7 digit number where categories are stated from right to left. Value of each character space is strictly regulated.

**INNER DIAMETER**

For designation of the size of a bore ranging from 10 to 495 mm positions 1 and 2 are provided. At the same time diameters of 10, 12, 15 and 17 mm are designated by figures 00, 01, 02, 03, and starting with diameter of 20 mm – the two-digit number received from division of face value on 5. Sizes of a bore 1,5; 2,5; 22; 32 mm and diameter, starting from 500 mm and above, are designated by their nominal rate separated by a virgule «/».
Integer values of the sizes from 1 to 9 mm are indicated by face value of position 1.
The non-standard sizes in the range from 20 to 495 mm showed by fractional number or not multiple to 5 are designated by the next integer, but on a position 3 of the main designation we put figure «9».

**OUTER DIAMETER AND WIDTH (HEIGHT)**

For bearings are established:

— series of outer diameters 0, 8, 9, 1, 7, 2, 5, 3, 6 and 4. In the main designation it is indicated in position 3

— series of width (heights) 7, 8, 9, 0, 1, 2, 3, 4, 5 and 6. In the main designation it is indicated in position 7.

Series of diameters and width of heights specify in increasing order, at the identical size of width or diameter respectively (see the table).

***GOST 3478-2012*** - the concept ***«Dimensional Series»*** , is entered representing a combination of series of diameters and series of width (heights) of bearings. A dimensional series is designated in two figures. The first figure on the right - a series of diameters; the second - a series of width (heights).

**SERIES OF DIAMETERS AND WIDTH**

GOST 3478 provided the following series of diameters:

0 - zero
1 - extra light
2 - light
3 - average
4 - heavy
5 - (for a series of heights 9) – heavy
5 - light wide
6 - average wide
7 - superlight
8 - superlight
9 - extra light

Series of width have the following names

7; 8 - extra narrow
9 - narrow
0; 1 - normal
2 - wide
3; 4 - extra wide
5; 6 - extra wide

Ratios of series of diameters and series of width for different types of bearings are given in tables:

***Radial and radial-contract bearing***

| GOST 3478 | | ISO 15:2011 | | GOST 3478 | | ISO 15:2011 | |
|---|---|---|---|---|---|---|---|
| Series of width | series of diameters | Series of width | series of diameters | Series of width | series of diameters | Series of width | series of diameters |
| 1 | 0 | 1 | 7 | 7 | 7 | 0 | 1 |
| 3 | | 3 | | 1 | | 1 | |
| 7 | 8 | 0 | 8 | 2 | | 2 | |
| 1 | | 1 | | 3 | | 3 | |
| 2 | | 2 | | 4 | | 4 | |
| 3 | | 3 | | 8 | 2 | 8 | 2 |
| 4 | | 4 | | 0 | | 0 | |
| 5 | | 5 | | 1 | | 1 | |
| 6 | | 6 | | 0 | 5 | 2 | |
| 7 | 9 | 0 | 9 | 3 | 2 | 3 | |
| 1 | | 1 | | 4 | | 4 | |
| 2 | | 2 | | 8 | 3 | 8 | 3 |
| 3 | | 3 | | 0 | | 0 | |
| 4 | | 4 | | 1 | | 1 | |
| 5 | | 5 | | 0 | 6 | 2 | |
| 6 | | 6 | | 3 | 3 | 3 | |
| 7 | 1 | 0 | 0 | 0 | 4 | 0 | 4 |
| 0 | | 1 | | 2 | | 2 | |
| 2 | | 2 | | | | | |
| 3 | | 3 | | | | | |
| 4 | | 4 | | | | | |
| 5 | | 5 | | | | | |
| 6 | | 6 | | | | | |



***Roller taper single-row bearings***

| GOST 3478 | | ISO 15:2011 | | OST 3478 | | ISO 15:2011 | |
|---|---|---|---|---|---|---|---|
| Series of width | series of diameters | Series of width | series of diameters | Series of width | series of diameters | Series of width | series of diameters |
| 2 | 9 | 2 | 9 | 0 | 2 | 0 | 2 |
| 3 | | 3 | | 0 | 5 | 2 | |
| 2 | 1 | 2 | 0 | 3 | 2 | 3 | |
| 3 | | 3 | | 0 | 3 | 0 | 3 |
| 3 | 7 | 3 | 1 | 1 | | 1 | |
| | | | | 0 | 6 | 2 | |

***Thrust single and thrust and radial bearings***

| GOST 3478 | | ISO 104:2002 | | GOST 3478 | | ISO 104:2002 | |
|---|---|---|---|---|---|---|---|
| series of heights | series of diameters | series of heights | series of diameters | series of heights | series of diameters | series of heights | series of diameters |
| 7 | 9 | 7 | 0 | 7 | 3 | 7 | 3 |
| 9 | | 9 | | 9 | | 9 | |
| 1 | | 1 | | 0 | | 1 | |
| 7 | 1 | 7 | 1 | 7 | 4 | 7 | 4 |
| 9 | | 9 | | 9 | | 9 | |
| 0 | | 1 | | 0 | | 1 | |
| 7 | 2 | 7 | 2 | 9 | 5 | 9 | 5 |
| 9 | | 9 | | | | | |
| 0 | | 1 | | | | | |

***Thrust double bearings***

| GOST 3478 | | ISO 104:2002 | |
|---|---|---|---|
| series of heights | series of diameters | Серия высот | series of heights |
| 0 | 2 | 2 | 2 |
| 0 | 3 | 2 | 3 |
| 0 | 4 | 2 | 4 |

The bearings having the sizes not corresponding to GOST 3478 are designated by figures 6, 7, 8 on a position 3 of the main designation. At the same time designation of a series of width isn't used.

**TYPES OF BEARINGS**

| BEARING TYPE CODE | NAME | EXAMPLE |
|---|---|---|
| 0 | Ball radial | 180306 |
| 1 | Ball radial spherical | 1608 |
| 2 | Roller radial cylindrical | 42315 |
| 3 | Roller radial with spherical rollers | 53616 |
| 4 | Roller radial with long cylindrical or needle rollers | 4244924 |
| 5 | Roller radial with spiral rollers | 5220 |
| 6 | Angular ball | 46112 |
| 7 | Roller with conical rollers | 2007124 |
| 8 | Ball thrust or thrust radial | 38210 |
| 9 | Roller thrust or thrust radial | 9240 |

The bearings which aren't provided by standard classification are given in the present catalog such as:
– needle with a stamped ring;
– support rollers (designation 3612. R - SKF);
– ball double-row (designation 42 …, 43 … - SKF);
– hinged;
– case (for bearing mount assemblies);
– combined;
– with the roller instead of an inner race (for water pumps of motor vehicles);
– fixing and coupling barrels;
– balls;
– short, long and needle rollers.

### DESIGNATION OF THE CONSTRUCTIVE VERSION

The fifth and sixth figures of the main designation define a constructive kind of the bearing and consist of two figures from 00 to 99. The main constructive kinds of bearings are regulated by GOST 3395 «Bearings ball and roller. Types and constructive versions».

In the main symbol of the bearing designation of width series, constructive versions bearing, having the sign 0 standing to the left of the last significant figure, are skipped. In this case the symbol of the bearing will consist of six, five, four, three or two figures.

## CREATION OF ADDITIONAL DESIGNATION

### *ADDITIONAL FIGURES TO THE LEFT FROM THE MAIN DESIGNATION OF THE BEARING*

### ACCURACY CLASSES

Compliance of accuracy classes for various types of bearings in accordance with GOST to 520-2011 classes of accuracy to the international standards and national standards is given in tables.

***Ball and roller radial and radial-thrust bearings***

| Accuracy class in accord with | | | | |
|---|---|---|---|---|
| GOST 520-11 | ISO 492 (2) | DIN 620 (3) | AFBMA, Standard 20 (4) | JISB B 1514 (5) |
| Normal | Normal | P0 | ABEC-1<br>RBEC-1 | 0 |
| 6 | 6 | P6 | ABEC-3<br>RBEC-3 | 6 |
| 5 | 5 | P5 | ABEC-5<br>RBEC-5 | 5 |
| 4 | 4 | P4 | ABEC-7 | 4 |
| T | - | - | - | - |
| 2 | 2 | P2 | ABEC-9 | 2 |



***Taper roller bearings***

| Accuracy class in accord with | | | | |
|---|---|---|---|---|
| GOST 520-11 | ISO 492 (2) | DIN 620 (3) | AFBMA, Standard 19.1(6) | JISB B 1514 (5) |
| 0 | - | - | - | - |
| Normal | Normal | P0 | K | 0 |
| 6X | 6X | P6X | N | 6X |
| 6 | - | - | - | 6 |
| 5 | 5 | P5 | C | 5 |
| 4 | 4 | P4 | B | 4 |
| 2 | 2 | - | A | - |

***Thrust and thrust-radial bearings***

| Accuracy class in accord with | | |
|---|---|---|
| GOST 520-11 | ISO 199 (7) | DIN 620 (3) |
| Normal | Normal | P0 |
| 6 | 6 | P6 |
| 5 | 5 | P5 |
| 4 | 4 | P4 |
| 2 | - | - |

### RADIAL CLEARANCE

Sizes and rules of designation of clearance in bearings are specified in the section «CLEARANCE IN ROLLING BEARINGS».

### FRICTION MOMENT

Ranks of the friction moments are designated by figures from «1» to «9». Sizes of the friction moments are regulated by DDD ARRI.021-01. Norms of the friction moments have three groups:
— «the main group» – 1, 4, 7 rows of the friction moments;
— «hardened group» – 2, 5, 8 rows of the friction moments;
— «extra hardened group» – 3, 6, 9 rows of the friction moments.

### *ADDITIONAL FIGURES TO THE RIGHT FROM THE MAIN DESIGNATION OF THE BEARING*

### INTERNAL DESIGN

А Bearings of the increased loading capacity:
- ball bearings with modified rolling elements;
- roller bearings with bigger rollers.

М Existence of camber on forming rollers of roller bearings.

Н For roller spherical – a pro-point on an outer race for lubricant ports.
For axial bearings an inner diameter of a free ring according to ISO

У Additional technical requirements to purity of processing, axial clearance, covering, etc.

### MATERIAL OF RINGS AND ROLLING ELEMENTS

Ю Noncorrosive steel
Х Cemented steel.
Р Heatresistant steel.

### MATERIALS AND DESIGN OF THE SEPARATOR

Б Massive separator of tinless bronze.
Д Massive separator of aluminum alloys
К Separator of stamped steel.
Л Massive separator of brass.
Е Massive separator of glass-nylon composite 6.

**HEAT TREATMENT**

Rings of bearings from steel of the ShH15 type exposed to processing for the purpose of stabilization of the sizes at the following working temperatures:

| T | T1 | T2 | T3 | T4 |
|---|---|---|---|---|
| 150 oC | 170 oC | 200 oC | 250 oC | 300 oC |

**LUBRICANTS**

C; C1…; C30… Brands of greases for bearings of the closed type (see the section «Lubricants»).

**QUALITY**

Ш; Ш1;

Ш2; Ш3; ... Lowered vibration level (see the section «Vibration in Bearings»).

## III. MATERIALS FOR BEARINGS

**The main material for production of rings and rolling elements o**f bearings intended for work in nonaggressive environments at a temperature up to +120 °C (sometimes higher), is ShH15 steel. Balls of all sizes, rings less than 10 mm thick and rollers with a diameter up to 22 mm are produced from it. Its analogs are: 100Cr6 (Germany), SKF-3 (Sweden), 52100 (USA), SUJ2 (Japan).

ShH15SG steel is applied to rings of bearings more than 10 and less than 30 mm thick and rollers with a diameter more than 22 mm. In comparison with ShH15 steel it (for increase in hardenability) contains slightly more silicon and manganese.

ShH20SG steel which contains a bigger quantity of these elements is applied for rings more than 30 mm thick and ShH4 steel is applied for rings of the railway bearings which are exposed to induction hardening.

Except steel of ShH type also cemented steel is used for rings and rolling elements, which after chemical heat treatment has a solid surface (59 … 66 HRC) and softer core (about 36 HRC).

Rings of some roller bearings are made of steel 18HGT, rings and rollers of big bearings are made of steel 20X2H4A, and stamped rings of roller needle bearings are made of 15G1, 15H, 08, 10.

Hardness of a surface of bearings details made of the most often applied steel is specified in the table

***Hardness of rings and HRC rollers made of the most often applied brands of steel (GOST 520) working at a temperature up to 120 °C***

| Brand | Rings with side thickness up to 35 mm and rollers with a diameter up to 55 mm | Rings with side thickness more than 35 mm and rollers with diameter more than 55 mm |
|---|---|---|
| ШХ4 | 60 … 63 | |
| ШХ15, ШХ 15-Ш, ШХ 15-В | 61 … 65 | |
| ШХ15СГ, ШХ15СГ-В, ШХ15СГ-Ш, ШХ20СГ | 60 … 64 | 58 … 62 |
| 15Г1 | 57 … 61 | |
| 18ХГТ | 61 … 65 | 58 … 62 |
| 20Х2Н4А | 58 … 63 | |

Details of the bearings intended for work in hostile environment are produced from corrosion-resistant steel 95H18-Sh (for rolling bearings of the average and large sizes), and 11OX18M (for bearings of the small size). Hardness of rings and bodies of swing from corrosion-resistant steel makes 55 … 61 HRC, and a working temperature up to 350 °C.

Steel 8H4V9F2-Sh or 8H4M4V2F1-Sh is used for rings and rolling elements of heatstrong bearings. Bearings from these steel can be used at a temperature up to 500 °C. Hardness of rings and rolling elements of heatstrong bearings usually makes 60 … 65 HRC.

The ShH15 steel subjected to drawing at the increased temperatures can be applied to work at a temperature exceeding 120 °C (bearings in this case have an additional T symbol). Hardness of rings and rolling elements is depressed for such bearings. Respectively less loading capacity and durability.



Now bearings with rings and rolling elements of Si3N4 silicon nitride gain distribution. This material has much higher heatstrength than applied steel. Firmness of nitride of silicon makes about 3,2 g/cm3 (the tempered steel of ShH15 7,8 g/cm3). Thanks to it at high rotary speed smaller centrifugal forces develop. Friction coefficient of both silicon nitride – steel are less than steel – steel. Therefore during the operation of such bearings there is less thermal emission, than steel. Besides, the increased contact durability allows to use bearings with balls from silicon nitride in the conditions of the increased impurity and in high-speed units.

**Stamped separators** of bearings of the general application are produced mainly from low-carbon steel 08kp, 08ps, 10kp, 10ps, rarely from brass LS63-2 and LS59-1, and corrosion-resistant and heatstrong bearings – from steel 12X18H9, 12X18H9T, 12X18H10T.

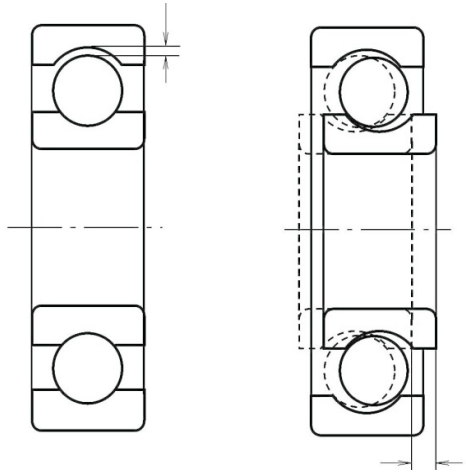
**Massive separators** are made of tubes, bars and stamped blanks. The main materials are: LS59-1, LS59-1L brass, steel 30 and aluminum alloys of D1, D6, AK4, textolite. Hi-tech, with good sound-absorbing properties, separators are made by casting from polyamide 6.6 with reinforcing by fiber glass and without reinforcing.

**Rivets and struts of separators,** base rings for axial bearings, and also fixing and coupling barrels are produced mainly from steel 15 and 20.

## IV. CLEARANCE IN ROLLING BEARINGS

**The internal clearance in the bearing** is a size of mutual conveyance of one of bearing rings concerning another, at a certain small measuring loading.

In the radial direction – a radial clearance, in axial – an axial clearance (an axial play).



**Radial clearance** **Axial clearance**

The radial clearance is intended for prevention of emergence of an undesirable tightness between rings and rolling elements that can lead to jamming.

**There are three types of clearance:**

initial clearance – clearance in a condition of delivery;

fitting clearance – clearance which occurs after installation of the bearing;

operating clearance – clearance at the set temperature and working modes of the gear.

Working conditions under which temperature of an inner race exceeds temperature of an outer race on 5-10 °C are considered as normal.

Proceeding from specific conditions of work, different from normal (the raised working temperature, requirements for vibration, etc.), it is necessary to choose bearings with clearance more or less than normal. The group of radial clearance is designated by figures (1, 2, 3, 4, 5, 6, 7, 8, 9) put down before designation of accuracy class.

The increased clearances usually apply when there are sources of the increased heat or the raised dynamic loadings, and also sideways at installation or a deflection of a shaft.

Bearings with the reduced radial clearance are used in gears of the increased accuracy, high-speed and demanding the increased ruggedness of a bearing part.

The axial clearance in bearings is regulated at installation by means of layer pads or offset of inner races on a shaft by means of nuts with a small thread.

At a small axial clearance there can be a jamming of the bearing, and big clearance leads to outrun of a shaft.

Tables of the recommended radial and axial clearances for different types of bearings are given below.

***Radial clearance of single-row ball-bearings without grooves for insertion of balls with cylindrical bore***

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | |
|---|---|---|---|---|---|
| | 6 | normal | 7 | 8 | 9 |
| 2,5…10 | 0…7 | 2…13 | 8…23 | 14…29 | 20…37 |
| 10…18 | 0…9 | 3…18 | 11…25 | 18…33 | 25…45 |
| 18…24 | 0…10 | 5…20 | 13…28 | 20…36 | 28…48 |
| 24…30 | 1…11 | 5…20 | 13…28 | 23…41 | 30…53 |
| 30…40 | 1…11 | 6…20 | 15…33 | 28…46 | 40…64 |
| 40…50 | 1…11 | 6…23 | 18…36 | 30…51 | 45…73 |
| 50…65 | 1…15 | 8…28 | 23…43 | 38…61 | 55…90 |
| 65…80 | 1…15 | 10…30 | 25…51 | 46…71 | 65…105 |
| 80…100 | 1…18 | 12…36 | 30…58 | 53…84 | 75…120 |
| 100…120 | 2…20 | 15…41 | 36…66 | 61…97 | 90…140 |
| 120…140 | 2…23 | 18…48 | 41…81 | 71…114 | 105…160 |
| 140…160 | 2…23 | 18…53 | 46…91 | 81…130 | 120…180 |
| 160…180 | 2…25 | 20…61 | 53…102 | 91…147 | 135…200 |
| 180…200 | 2…30 | 25…71 | 63…117 | 107…163 | 150…230 |
| 200…225 | 2…35 | 30…80 | 73…130 | 120…180 | 167…230 |
| 225…250 | 2…40 | 34…90 | 82…145 | 135…195 | 180…245 |
| 250…280 | 3…45 | 39…100 | 92…160 | 150…215 | 200…275 |
| 280…315 | 3…50 | 44…110 | 100…170 | 160…235 | 218…300 |
| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | |
| | 6 | normal | 7 | 8 | 9 |
| 315…355 | 3…55 | 47…120 | 110…185 | 175…250 | 230…320 |
| 355…400 | 3…60 | 50…130 | 120…205 | 195…280 | 260…355 |
| 400…450 | 4…65 | 55…145 | 135…230 | 220…315 | 295…400 |
| 450…500 | 4…70 | 60…160 | 150…255 | 245…350 | 325…450 |
| 500…560 | 4…75 | 75…175 | 175…275 | 275…375 | 375…490 |
| 560…630 | 5…80 | 80…195 | 195…305 | 305…415 | 415…540 |
| 630…710 | 5…90 | 90…215 | 215…340 | 340…460 | 460…590 |
| 710…800 | 5…100 | 100…235 | 235…370 | 370…500 | 500…640 |
| 800…900 | 6…115 | 115…260 | 260…410 | 410…550 | 550…700 |
| 900…1000 | 6…130 | 130…290 | 290…460 | 460…610 | 610…770 |



***Radial clearance of single-row ball-bearings without grooves for insertion of balls with conical bore***

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | |
|---|---|---|---|---|
| | 2 | normal | 3 | 4 |
| 2,5…10 | 2…13 | 8…23 | 14…29 | 20…37 |
| 10…18 | 3…18 | 11…25 | 18…33 | 25…45 |
| 18…24 | 5…20 | 13…28 | 20…36 | 28…48 |
| 24…30 | 5…20 | 13…28 | 23…41 | 30…53 |
| 30…40 | 6…20 | 15…33 | 28…46 | 40…64 |
| 40…50 | 6…23 | 18…36 | 30…51 | 45…73 |
| 50…65 | 8…28 | 23…43 | 38…61 | 55…90 |
| 65…80 | 10…30 | 25…51 | 46…71 | 65…105 |
| 80…100 | 12…36 | 30…58 | 53…84 | 75…120 |
| 100…120 | 15…41 | 36…66 | 61…97 | 90…140 |
| 120…140 | 18…48 | 41…81 | 71…114 | 105…160 |
| 140…160 | 18…53 | 46…91 | 81…130 | 120…180 |
| 160…180 | 20…61 | 53…102 | 91…147 | 135…200 |
| 180…200 | 25…71 | 63…117 | 107…163 | 155…215 |
| 200…225 | 30…80 | 73…130 | 120…180 | 167…230 |
| 225…250 | 34…90 | 82…145 | 135…195 | 180…245 |
| 250…280 | 39…100 | 92…160 | 150…215 | 200…275 |
| 280…315 | 44…110 | 100…170 | 160…235 | 218…300 |
| 315…355 | 47…120 | 110…185 | 175…250 | 230…320 |
| 355…400 | 50…130 | 120…205 | 195…280 | 260…355 |
| 400…450 | 55…145 | 135…230 | 220…315 | 295…400 |
| 450…500 | 60…160 | 150…255 | 245…350 | 325…450 |
| 500…560 | 75…175 | 175…275 | 275…375 | 375…490 |
| 560…630 | 80…195 | 195…305 | 305…415 | 415…540 |
| 630…710 | 90…215 | 215…340 | 340…460 | 460…590 |
| 710…800 | 100…235 | 235…370 | 370…500 | 500…640 |
| 800…900 | 115…260 | 260…410 | 410…550 | 550…700 |
| 900…1000 | 130…290 | 290…460 | 460…610 | 610…770 |

### *Radial clearance of radial spherical double-row ball-bearings with cylindrical bore*

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | |
|---|---|---|---|---|---|
| | 2 | normal | 3 | 4 | 5 |
| 2,5…6 | 1…8 | 5…15 | 10…20 | 15…25 | 21…33 |
| 6…10 | 2…9 | 6…17 | 12…25 | 19…33 | 27…42 |
| 10…14 | 2…10 | 6…19 | 13…26 | 21…35 | 30…48 |
| 14…18 | 3…12 | 8…21 | 15…28 | 23…37 | 32…50 |
| 18…24 | 4…14 | 10…23 | 17…30 | 25…39 | 34…52 |
| 24…30 | 5…16 | 11…24 | 19…35 | 29…46 | 40…58 |
| 30…40 | 6…18 | 13…29 | 23…40 | 34…53 | 46…66 |
| 40…50 | 6…19 | 14…31 | 25…44 | 37…57 | 50…71 |
| 50…65 | 7…21 | 16…36 | 30…50 | 45…69 | 62…88 |
| 65…80 | 8…24 | 18…40 | 35…60 | 54…83 | 76…108 |
| 80…100 | 9…27 | 22…48 | 42…70 | 64…96 | 89…124 |
| 100…120 | 10…31 | 25…56 | 50…83 | 75…114 | 105…145 |
| 120…140 | 10…38 | 30…68 | 60…100 | 90…133 | 125…175 |
| 140…160 | 15…44 | 35…80 | 70…120 | 110…161 | 150…210 |
| 160…180 | 16…40 | 40…78 | 78…120 | 120…170 | 170…225 |
| 180…200 | 18…45 | 45…87 | 87…132 | 132…185 | 185…255 |
| 200…225 | 20…49 | 49…95 | 95…145 | 145…205 | 205…280 |
| 225…250 | 22…55 | 55…105 | 105…160 | 160…225 | 225…315 |
| 250…280 | 24…60 | 60…118 | 118…175 | 175…250 | 250…345 |
| 280…315 | 27…65 | 65…130 | 130…195 | 195…275 | 275…385 |
| 315…355 | 30…75 | 75…145 | 145…220 | 220…315 | 315…435 |
| 355…400 | 35…85 | 85…160 | 160…245 | 245…345 | 345…485 |
| 400…450 | 38…95 | 95…185 | 185…275 | 275…390 | 390…545 |
| 450…500 | 42…105 | 105…205 | 205…310 | 310…435 | 435…610 |
| 500…560 | 46…115 | 115…225 | 225…340 | 340…480 | 480…680 |
| 560…630 | 52…130 | 130…250 | 250…380 | 380…530 | 530…760 |
| 630…710 | 57…145 | 145…280 | 280…420 | 420…600 | 600…855 |
| 710…800 | 65…160 | 160…315 | 315…475 | 475…670 | 670…960 |
| 800…900 | 72…180 | 180…360 | 360…530 | 530…750 | 750…1080 |
| 900…1000 | 80…200 | 200…400 | 400…600 | 600…850 | 850…1215 |

### *Radial clearance of radial spherical double-row ball-bearings with conical bore*

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | |
|---|---|---|---|---|---|
| | 2 | normal | 3 | 4 | 5 |
| 3…10 | 3…7 | 7…12 | 12…19 | 19…27 | 27…36 |
| 10…18 | 6…10 | 10…16 | 16…22 | 22…30 | 30…40 |
| 18…24 | 7…17 | 13…26 | 20…33 | 28…42 | 37…55 |
| 24…30 | 9…20 | 15…28 | 23…39 | 33…50 | 44…62 |
| 30…40 | 12…24 | 19…35 | 29…46 | 40…59 | 52…72 |
| 40…50 | 14…27 | 22…39 | 33…52 | 45…65 | 58…79 |
| 50…65 | 18…32 | 27…47 | 41…61 | 56…80 | 73…99 |
| 65…80 | 23…39 | 33…57 | 50…75 | 69…98 | 91…123 |
| 80…100 | 29…47 | 42…68 | 62…90 | 84…116 | 109…144 |
| 100…120 | 35…56 | 50…81 | 75…108 | 100…139 | 130…170 |



| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | |
|---|---|---|---|---|---|
| | 2 | normal | 3 | 4 | 5 |
| 120…140 | 40…68 | 60…98 | 90…130 | 120…165 | 155…205 |
| 140…160 | 45…74 | 65…110 | 100…150 | 140…191 | 180…240 |
| 160…180 | 52…75 | 75…115 | 115…160 | 160…205 | 205…260 |
| 180…200 | 60…85 | 85…125 | 125…175 | 175…225 | 225…290 |
| 200…225 | 65…95 | 95…140 | 140…195 | 195…250 | 250…325 |
| 225…250 | 75…105 | 105…155 | 155…220 | 220…280 | 280…360 |
| 250…280 | 80…115 | 115…175 | 175…245 | 245…310 | 310…400 |
| 280…315 | 90…130 | 130…195 | 195…270 | 270…340 | 340…440 |
| 315…355 | 100…145 | 145…215 | 215…305 | 305…385 | 385…500 |
| 355…400 | 115…165 | 165…245 | 245…340 | 340…430 | 430…560 |
| 400…450 | 130…185 | 185…275 | 275…385 | 385…480 | 480…630 |
| 450…500 | 145…205 | 205…305 | 305…430 | 430…540 | 540…700 |
| 500…560 | 160…230 | 230…340 | 340…475 | 475…600 | 600…780 |
| 560…630 | 180…255 | 255…380 | 380…530 | 530…670 | 670…870 |
| 630…710 | 200…290 | 290…425 | 425…600 | 600…750 | 750…970 |
| 710…800 | 230…320 | 320…480 | 480…670 | 670…840 | 840…1100 |
| 800…900 | 255…360 | 360…540 | 540…750 | 750…950 | 950…1240 |
| 900…1000 | 290…410 | 410…600 | 600…850 | 850…1070 | 1070…1390 |

### *Radial clearance of radial roller cylindrical bearings with cylindrical bore and needle bearings with separator, with interchangeable rings*

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | |
|---|---|---|---|---|---|
| | 1 | 6 | 2 | 3 | 4 |
| Not more than 10 | 0…30 | 10…40 | 25…55 | 35…65 | - |
| 10…24 | 0…30 | 10…40 | 25…55 | 35…65 | 55…85 |
| 24…30 | 0…30 | 10…45 | 30…65 | 40…70 | 60…90 |
| 30…40 | 0…35 | 15…50 | 35…70 | 45…80 | 70…105 |
| 40…50 | 5…40 | 20…55 | 40…75 | 55…90 | 85…120 |
| 50…65 | 5…45 | 20…65 | 45…90 | 65…105 | 100…140 |
| 65…80 | 5…55 | 25…75 | 55…105 | 75…125 | 115…165 |
| 80…100 | 10…60 | 30…80 | 65…115 | 90…140 | 145…195 |
| 100…120 | 10…65 | 35…90 | 80…135 | 105…160 | 165…220 |
| 120…140 | 10…75 | 40…105 | 90…155 | 115…180 | 185…250 |
| 140…160 | 15…80 | 50…115 | 100…165 | 130…195 | 210…275 |
| 160…180 | 20…85 | 60…125 | 110…175 | 150…215 | 235…300 |
| 180…200 | 25…95 | 65…135 | 125…195 | 165…235 | 260…330 |
| 200…225 | 30…105 | 75…150 | 140…215 | 180…255 | 290…365 |
| 225…250 | 40…115 | 90…165 | 155…230 | 205…280 | 320…395 |
| 250…280 | 45…125 | 100…180 | 175…255 | 230…310 | 355…435 |
| 280…315 | 50…135 | 110…195 | 195…280 | 255…340 | 400…485 |
| 315…355 | 55…145 | 125…215 | 215…305 | 280…370 | 440…530 |
| 355…400 | 65…160 | 140…235 | 245…340 | 320…415 | 500…595 |
| 400…450 | 70…190 | 155…275 | 270…390 | 355…465 | 555…675 |
| 450…500 | 85…205 | 180…300 | 300…420 | 395…515 | 620…740 |
| 500…560 | 90…225 | 195…330 | 335…470 | 440…575 | 710…825 |

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | |
|---|---|---|---|---|---|
| | 1 | 6 | 2 | 3 | 4 |
| 560…630 | 100…245 | 215…360 | 375…520 | 490…635 | 785…925 |
| 630…710 | 115…275 | 245…405 | 420…580 | 550…710 | 885…1045 |
| 710…800 | 130…305 | 275…450 | 470…675 | 615…790 | 980…1160 |
| 800…900 | 140…340 | 300…500 | 520…720 | 680…880 | 1110…1310 |
| 900…1000 | 160…380 | 340…560 | 580…800 | 760…980 | 1250…1460 |

***Radial clearance of radial roller cylindrical bearings with cylindrical bore and needle bearings with separator, with non-interchangeable rings***

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | | |
|---|---|---|---|---|---|---|
| | 0 | 5 | normal | 7 | 8 | 9 |
| Not more than 10 | 0…7 | 10…20 | 20…30 | 35…45 | 45…55 | - |
| 10…18 | 0…10 | 10…20 | 20…30 | 35…45 | 45…55 | 65…75 |
| 18…24 | 5…15 | 10…20 | 20…30 | 35…45 | 45…55 | 65…75 |
| 24…30 | 5…15 | 10…25 | 25…35 | 40…50 | 50…60 | 70…80 |
| 30…40 | 5…15 | 12…25 | 25…40 | 45…55 | 55…70 | 80…95 |
| 40…55 | 5…18 | 15…30 | 30…45 | 50…65 | 65…80 | 95…110 |
| 50…65 | 5…20 | 15…35 | 35…50 | 55…75 | 75…90 | 110…130 |
| 65…80 | 10…25 | 20…40 | 40…60 | 70…90 | 90…110 | 130…150 |
| 80…100 | 10…30 | 25…45 | 45…70 | 80…105 | 105…125 | 155…180 |
| 100…120 | 10…30 | 25…40 | 50…80 | 95…120 | 120…145 | 180…205 |
| 120…140 | 10…35 | 30…60 | 60…90 | 105…135 | 135…160 | 200…230 |
| 140…160 | 10…35 | 35…65 | 65…100 | 115…150 | 150…180 | 225…260 |
| 160...180 | 10…40 | 35…75 | 75…110 | 125…165 | 165…200 | 250…285 |
| 180…200 | 15…45 | 40…80 | 80…120 | 140…180 | 180…220 | 275…315 |
| 200…225 | 15…50 | 45…90 | 90…135 | 155…200 | 200…240 | 305…350 |
| 225…250 | 15…50 | 50…100 | 100…150 | 170…215 | 215…265 | 330…380 |
| 250…280 | 20…55 | 55…110 | 110…165 | 185…240 | 240…295 | 370…420 |
| 280…315 | 20…60 | 60…120 | 120…180 | 205…265 | 265…325 | 410…470 |
| 315…355 | 20…65 | 65…135 | 135…200 | 225…295 | 295…360 | 455…520 |
| 355…400 | 25…75 | 75…150 | 150…225 | 255…330 | 330…405 | 510…585 |
| 400…450 | 25…85 | 85…170 | 170…225 | 285…370 | 370…455 | 565…650 |
| 450…500 | 25…95 | 95…190 | 190…285 | 315…410 | 410…505 | 625…720 |
| 500…560 | - | 105…210 | 210…315 | 350…455 | 455…560 | 720…815 |
| 560…630 | - | 115…230 | 230…345 | 390…505 | 505…620 | 800…910 |
| 630…710 | - | 130…260 | 260…390 | 435…565 | 565…695 | 900…1030 |
| 710…800 | - | 145…290 | 290…435 | 485…630 | 630…775 | 1000…1140 |
| 800…900 | - | 160…320 | 320…480 | 540…700 | 700…860 | 1130…1290 |
| 900…1000 | - | 180…360 | 360…540 | 600…780 | 780…960 | 1270…1440 |

**Note.** The character of group of clearance «0» isn't specified in a symbol of the bearing. Value of clearance of 0 and 9 group isn't applied for needle bearings with a separator



***Radial clearance of radial roller cylindrical bearings with conical bore and interchangeable rings***

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | |
|---|---|---|---|---|
| | 2 | 1 | 3 | 4 |
| 14…24 | 10…40 | 25…55 | 35…65 | 45…75 |
| 24…30 | 10…45 | 30…65 | 40…70 | 50…85 |
| 30…40 | 15…50 | 35…70 | 45…80 | 60…95 |
| 40…50 | 20…55 | 40…75 | 55…90 | 70…105 |
| 50…65 | 20…65 | 45…90 | 65…105 | 80…125 |
| 65…80 | 25…75 | 55…105 | 75…125 | 95…145 |
| 80…100 | 30…80 | 65…115 | 90…140 | 110…160 |
| 100…120 | 35…90 | 80…135 | 105…160 | 130…185 |
| 120…140 | 40…105 | 90…155 | 115…180 | 145…210 |
| 140…160 | 50…115 | 100…165 | 130…195 | 165…230 |
| 160…180 | 60…125 | 110…175 | 150…215 | 190…255 |
| 180…200 | 65…135 | 125…195 | 165…235 | 205…275 |
| 200…225 | 75…150 | 140…215 | 180…255 | 225…300 |
| 225…250 | 90…165 | 155…230 | 205…280 | 255…330 |
| 250…280 | 100..180 | 175…255 | 230…310 | 285…365 |
| 280…315 | 110…195 | 195…280 | 255…340 | 315…400 |
| 315…355 | 125…215 | 215…305 | 280…370 | 350…440 |
| 355…400 | 140…235 | 245…340 | 320…415 | 395…490 |
| 400…450 | 155…275 | 270…390 | 355…455 | 440…570 |
| 450…500 | 180…300 | 300…420 | 395…515 | 490…610 |
| 500…560 | 195…330 | 335…470 | 440…575 | 545…680 |
| 560…630 | 215…360 | 375…520 | 490…635 | 605…750 |
| 630…710 | 245…405 | 420…580 | 550…710 | 680…840 |
| 710…800 | 275…450 | 470…675 | 615…790 | 760…935 |
| 800…900 | 300…500 | 520…720 | 680…880 | 840…1040 |
| 900…1000 | 340…560 | 580…800 | 760…980 | 940…1160 |

***Radial clearance of radial roller cylindrical bearings with conical bore and non-interchangeable rings***

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | | |
|---|---|---|---|---|---|---|
| | 0 | 5 | 6 | 7 | 8 | 9 |
| 14…24 | 10…20 | 20…30 | 35…45 | 45…55 | 55…65 | 75…85 |
| 24…30 | 15…25 | 25…35 | 40…50 | 50…60 | 60…70 | 80…95 |
| 30…40 | 15…25 | 25…40 | 45…55 | 55…70 | 70…80 | 95…110 |
| 40…50 | 17…30 | 30…45 | 50…65 | 65…80 | 80…95 | 110…125 |
| 50…65 | 20…35 | 35…50 | 55…75 | 75…90 | 90…110 | 130…150 |
| 65…80 | 25…40 | 40…60 | 70…90 | 90…110 | 110…130 | 150…170 |
| 80…100 | 35…55 | 45…70 | 80…105 | 105…125 | 125…150 | 180…205 |
| 100…120 | 40…60 | 50…80 | 95…120 | 120…145 | 145…170 | 205…230 |
| 120…140 | 45…70 | 60…90 | 105…135 | 135…160 | 160…190 | 130…260 |
| 140…160 | 50…75 | 65…100 | 115…150 | 150…180 | 180…215 | 260…295 |
| 160…180 | 55…85 | 75…110 | 125…165 | 165…200 | 200…240 | 285…325 |
| 180…200 | 60…90 | 80…120 | 140…180 | 180…220 | 220…260 | 315…350 |
| 200…225 | 60…95 | 90…135 | 155…200 | 200…240 | 240…285 | 350…390 |
| 225…250 | 65…100 | 100…150 | 170…215 | 215…265 | 265…315 | 380…430 |

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | | |
|---|---|---|---|---|---|---|
| | 0 | 5 | 6 | 7 | 8 | 9 |
| 250…280 | 75…110 | 110…165 | 185…240 | 240…295 | 295…350 | 420…475 |
| 280…315 | 80…120 | 120…180 | 205…265 | 265…325 | 325…385 | 470…530 |
| 315…355 | 90…135 | 135…2000 | 225…295 | 295…360 | 360…430 | 520…590 |
| 355…400 | 100…150 | 150…225 | 255…330 | 330…405 | 405…480 | 585…660 |
| 400…450 | 110…170 | 170…255 | 285…370 | 370…455 | 455…540 | 645…730 |
| 450…500 | 120…190 | 190…285 | 315…410 | 410…505 | 505…600 | 715…810 |
| 500…560 | - | 210…315 | 350…455 | 455…560 | 560…665 | 775…880 |
| 560…630 | - | 230…345 | 390…505 | 505…620 | 620…735 | 850…970 |
| 630…710 | - | 260…390 | 435…565 | 565…695 | 695…825 | 960…1090 |
| 710…800 | - | 290…435 | 485…630 | 630…775 | 775…920 | 1080…1230 |
| 800…900 | - | 320…480 | 540…700 | 700…860 | 860…1020 | 1220…1380 |
| 900…1000 | - | 360…540 | 600…780 | 780…960 | 960…1140 | 1360…1540 |

**Note.** The character of group of clearance «0» isn't specified in a symbol of the bearing

***Radial clearance of radial needle bearings without separator***

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | |
|---|---|---|
| | normal | 2 |
| 10…14 | 10…50 | 25…70 |
| 14…18 | 15…55 | 35…75 |
| 18…24 | 25…65 | 40…80 |
| 24…30 | 30…65 | 50…85 |
| 30…40 | 40…75 | 60…95 |
| 40…50 | 40…85 | 65…100 |
| 50…65 | 45…90 | 70…120 |
| 65…80 | 50…110 | 75…135 |
| 80…100 | 60…115 | 95…150 |
| 100…120 | 70…125 | 115…170 |
| 120…140 | 80…155 | 130…205 |
| 140…160 | 80…160 | 140…210 |

***Radial clearance of single-row spherical roller bearings with cylindrical bore***

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | |
|---|---|---|---|---|---|
| | 2 | normal | 3 | 4 | 5 |
| Not more than 30 | 2…9 | 9…17 | 17…28 | 28…40 | 40…55 |
| 30…40 | 3…10 | 10…20 | 20…30 | 30…45 | 45…60 |
| 40…50 | 3…13 | 13…23 | 23…35 | 35…50 | 50…65 |
| 50…65 | 4…15 | 15…27 | 27…40 | 40…55 | 55…75 |
| 65…80 | 5…20 | 20…35 | 35…55 | 55…75 | 75…95 |
| 80…100 | 7…25 | 25…45 | 45…65 | 65…90 | 90…120 |
| 100…120 | 10…30 | 30…50 | 50…70 | 70…95 | 95…125 |
| 120…140 | 15…35 | 35…55 | 55…80 | 80…110 | 110…140 |
| 150…160 | 20…40 | 40…65 | 65…95 | 95…125 | 125…155 |
| 160…180 | 25…45 | 45…70 | 70…100 | 100…130 | 130…160 |



| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | |
|---|---|---|---|---|---|
| | 2 | normal | 3 | 4 | 5 |
| 180…225 | 30…50 | 50…75 | 75…105 | 105…135 | 135…165 |
| 225…250 | 35…55 | 55…80 | 80…110 | 110…140 | 140…170 |
| 250…280 | 40…60 | 60…85 | 85…115 | 115…145 | 145…175 |
| 280…315 | 40…70 | 70…100 | 100.135 | 135…170 | 170…205 |
| 315…355 | 45…75 | 75…105 | 105…140 | 140…175 | 175…210 |

***Radial clearance of single-row spherical roller bearings with conical bore (aren't shown in the catalog!)***

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | | |
|---|---|---|---|---|---|---|
| | 1 | 2 | normal | 3 | 4 | 5 |
| Not more than 30 | 2…9 | 9…17 | 17…28 | 28…40 | 40…55 | 55…70 |
| 30…40 | 3…10 | 10…20 | 20…30 | 30…45 | 45…60 | 60…75 |
| 40…50 | 3…13 | 13…23 | 23…35 | 35…50 | 50…65 | 65…80 |
| 50…65 | 4…15 | 15…27 | 27…40 | 40…55 | 55…75 | 75…90 |
| 65…80 | 5…20 | 20…35 | 35…55 | 55…75 | 75…95 | 95…120 |
| 80…100 | 7…25 | 25…45 | 45…65 | 65…90 | 90…120 | 120…150 |
| 100…120 | 10…30 | 30…50 | 50…70 | 70…95 | 95…125 | 125…155 |
| 120…140 | 15…35 | 35…55 | 55…80 | 80…110 | 110…140 | 140…170 |
| 140…160 | 20…40 | 40…65 | 65…95 | 95…125 | 125…155 | 155…185 |
| 160…180 | 25…45 | 45…70 | 70…100 | 100…130 | 130…160 | 160…190 |
| 180…225 | 30…50 | 50…75 | 75…105 | 105…135 | 135…165 | 165…195 |
| 225…250 | 35…55 | 55…80 | 80…110 | 110…140 | 140…170 | 170…205 |
| 205…280 | 40…60 | 60…85 | 85…115 | 115…145 | 145…175 | 175…210 |
| 280…315 | 40…70 | 70…100 | 100…135 | 135…170 | 170…205 | 205…240 |
| 315…355 | 45…75 | 75…105 | 105…140 | 140…175 | 175…210 | 210…245 |

***Radial clearance of double-row spherical roller bearings with cylindrical bore***

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | | |
|---|---|---|---|---|---|---|
| | 1 | 2 | normal | 3 | 4 | 5 |
| 14…24 | 0…10 | 10…20 | 20…35 | 35…45 | 45…60 | 60…75 |
| 24…30 | 0…15 | 15…25 | 25…40 | 40…55 | 55…75 | 75…95 |
| 30…40 | 0…15 | 15…30 | 30…45 | 45…60 | 60…80 | 80…100 |
| 40…50 | 0…20 | 30…35 | 35…55 | 55…75 | 75…100 | 100…125 |
| 50…65 | 0…20 | 20…40 | 40…65 | 65…90 | 90…120 | 120…150 |
| 65…80 | 5…30 | 30…50 | 50…80 | 80…110 | 110…145 | 145…180 |
| 80…100 | 5…35 | 35…60 | 60…100 | 100…135 | 135…180 | 180…225 |
| 100…120 | 5…40 | 40…75 | 75…120 | 120…160 | 160…210 | 210…260 |
| 120…140 | 5…50 | 50…95 | 95…145 | 145…190 | 190…240 | 240…300 |
| 140…160 | 10…60 | 60…110 | 110…170 | 170…220 | 220…280 | 280…350 |
| 160…180 | 10…65 | 65…120 | 120…180 | 180…240 | 240…310 | 310…390 |
| 180…200 | 10…70 | 70…130 | 130…200 | 200…260 | 260…340 | 340…430 |
| 200…225 | 10…80 | 80…140 | 140…220 | 220…290 | 290…380 | 380…470 |
| 225…250 | 15…90 | 90…150 | 180…240 | 240…320 | 320…420 | 420…520 |
| 250…280 | 15…100 | 100…170 | 170…260 | 260…350 | 350…460 | 460…570 |
| 280…315 | 15…110 | 110…190 | 190…280 | 280…370 | 370…500 | 500…630 |

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | | |
|---|---|---|---|---|---|---|
| | 1 | 2 | normal | 3 | 4 | 5 |
| 315…355 | 20…120 | 120…200 | 200…310 | 310…410 | 410…550 | 550…690 |
| 355…400 | 20…130 | 130…220 | 220…340 | 340…450 | 450…600 | 600…760 |
| 400…450 | 20…140 | 140…240 | 240…370 | 370…500 | 500…660 | 660…820 |
| 450…500 | 20…140 | 140…260 | 260…410 | 410…550 | 550…720 | 720…900 |
| 500…560 | 20..150 | 150…280 | 280…440 | 440…600 | 600…780 | 780..1000 |
| 560…630 | 30…170 | 170…310 | 310…480 | 480…650 | 650…850 | 850…1100 |
| 630…710 | 30…190 | 190…350 | 350…530 | 530…700 | 700…920 | 920…1190 |
| 710…800 | 30…210 | 210…390 | 390…580 | 850…770 | 770…1010 | 1010…1300 |
| 800…900 | 30…230 | 230…430 | 430…650 | 650…860 | 860…1120 | 1120…1440 |
| 900…1000 | 40…260 | 260…480 | 480…710 | 710…930 | 930…1220 | 1220…1570 |

***Radial clearance of double-row spherical roller bearings with conical bore***

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | | | |
|---|---|---|---|---|---|---|
| | 1 | 2 | normal | 3 | 4 | 5 |
| 18…24 | 5…15 | 15…25 | 25…35 | 35…45 | 45…60 | 60…75 |
| 24…30 | 10…20 | 20…30 | 30…40 | 40…55 | 55…75 | 75…95 |
| 30…40 | 15…25 | 25…35 | 35…50 | 50…65 | 65…85 | 85…105 |
| 40..50 | 15…30 | 60…45 | 45…60 | 60…80 | 80…100 | 100…130 |
| 50…65 | 25…40 | 40…55 | 55…75 | 75…95 | 95…120 | 120…160 |
| 65…80 | 30…50 | 50…70 | 70…95 | 95…120 | 120…150 | 150…200 |
| 80…100 | 30…55 | 55…80 | 80…110 | 110…140 | 140…180 | 180…230 |
| 100…120 | 40…65 | 65…100 | 100…135 | 135…170 | 170…220 | 220…280 |
| 120…140 | 50…80 | 80…120 | 120…160 | 160…200 | 200…260 | 260…330 |
| 140…160 | 55…90 | 90…130 | 130…180 | 180…230 | 230…300 | 300…380 |
| 160…180 | 60…100 | 100…140 | 140…200 | 200…260 | 260…340 | 340…430 |
| 180…200 | 70…110 | 110…160 | 160…220 | 220…290 | 290…370 | 370…470 |
| 200…225 | 70…120 | 120…180 | 180…250 | 250…320 | 320…410 | 410…520 |
| 225…250 | 90…140 | 140…200 | 200…270 | 270…350 | 350…450 | 450…570 |
| 250…280 | 90…150 | 150…220 | 220…300 | 300…390 | 390…490 | 490…620 |
| 280…315 | 100…170 | 170…240 | 240…330 | 330…430 | 430…540 | 540…680 |
| 315…355 | 120…190 | 190…270 | 270…360 | 360…470 | 470…590 | 590…740 |
| 355…400 | 130…210 | 210…300 | 300…400 | 400…520 | 520…650 | 650…820 |
| 400…450 | 140…230 | 230…330 | 330…440 | 440…570 | 570…720 | 720….910 |
| 450…500 | 160…260 | 260…370 | 370…490 | 490…630 | 630…790 | 790…1000 |
| 500…560 | 180…290 | 290…410 | 410…540 | 540…680 | 680…870 | 870…1100 |
| 560…630 | 200…320 | 320…460 | 460…600 | 600…760 | 760…980 | 980…1230 |
| 630…710 | 210…350 | 350…510 | 510…670 | 670…850 | 850…1090 | 1090…1360 |
| 710…800 | 230…390 | 390…570 | 570…750 | 750…960 | 960…1220 | 1220…1500 |
| 800…900 | 250…440 | 440…640 | 640…840 | 840…1070 | 1070…1370 | 1370…1690 |
| 900…1000 | 280…490 | 490…710 | 710…930 | 930…1190 | 1190…1520 | 1520…1860 |

***Axial internal clearances of double-row radial-thrust ball-bearings***

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | |
|---|---|---|---|---|
| | 2* | normal* | 3* Нормальная** | 4* 3** |
| 2** | 3* | 5…21 | 12…28 | 25…45 |
| normal** | 4* | 6…23 | 13…31 | 27…47 |
| 3** | 2…14 | 7…25 | 16…34 | 28…48 |
| 24…30 | 2…15 | 8…27 | 18…37 | 30…50 |
| 30…40 | 2…16 | 9…29 | 21…40 | 33…54 |
| 40…50 | 2…18 | 11..33 | 23…44 | 36…58 |
| 50…65 | 3…22 | 13…36 | 26…48 | 40…63 |
| 65…80 | 3…24 | 15…40 | 30…54 | 46…71 |
| 80…100 | 3…26 | 18…46 | 35…63 | 55…83 |
| 100…120 | 4…30 | 22…53 | 42…73 | 65…96 |
| 120…140 | 4…34 | 25…59 | 48…82 | 74…108 |

* for bearings with a one-piece inner race.
** for bearings with a releasable inner race.

***Axial internal clearance of ball bearings with four-pointed contact piece***

| Nominal hole size of the bearing d, мм | Clearance size Gr , micron, group | | | |
|---|---|---|---|---|
| | 2 | normal | 3 | 4 |
| 10…18 | 15…65 | 50…95 | 85…130 | 120…165 |
| 18…40 | 25…75 | 65…110 | 100…150 | 135…185 |
| 40…60 | 35…85 | 75…125 | 110…165 | 150…200 |
| 60…80 | 45…100 | 85…140 | 125…175 | 165…215 |
| 80…100 | 55…110 | 95…150 | 135…190 | 180…235 |
| 100…140 | 70…130 | 115…175 | 160…220 | 205…265 |
| 140…180 | 90…155 | 135…200 | 185…250 | 235…300 |
| 180…220 | 105…175 | 155…225 | 210…280 | 260…330 |
| 220…260 | 120…195 | 175…250 | 230…305 | 290…360 |
| 260…300 | 135…215 | 195…275 | 255…335 | 315…390 |
| 300…350 | 155…240 | 220…305 | 285…370 | 350…430 |
| 350…400 | 175…265 | 245…330 | 310…400 | 380…470 |
| 400…450 | 190…285 | 265…360 | 340…435 | 415…510 |
| 450…500 | 210…310 | 290…390 | 365…470 | 445…545 |
| 500…560 | 225…335 | 315…420 | 400…505 | 485…595 |
| 560…630 | 250…365 | 340…455 | 435…550 | 530…645 |
| 630…710 | 270…395 | 375…500 | 475…600 | 580…705 |
| 710…800 | 290…425 | 405…540 | 520…655 | 635…770 |
| 800…900 | 315…460 | 440…585 | 570…715 | 695…840 |
| 900…1000 | 335…490 | 475…630 | 615…770 | 755…910 |

***Axial clearance of single-row radial-thrust ball-bearings at their installation, without preliminary preload, micron***

| Nominal hole size of the bearing d, мм | Contact angle α,° | | | |
|---|---|---|---|---|
| | 12 | Lmax | 12 | 26…36 |
| Not more than 30 | 30…50 | 8d | 20…40 | 10…20 |
| 30…50 | 40…70 | 7d | 30…50 | 15…30 |
| 50…80 | 50…100 | 5d | 40…70 | 20…40 |
| 80…120 | 60…150 | 5d | 50…100 | 30…50 |
| 120…180 | 100…200 | 4d | 80…150 | 40…70 |
| 180…260 | 150…250 | (3 … 6)d | 120…200 | 50…100 |

***Axial clearance of single-row conical bearings at their installation, without preliminary preload, micron***

| Номинальный диаметр отверстия подшипника d, мм | Contact angle α,° | | | |
|---|---|---|---|---|
| | 10 … 16 | Lmax | 10 … 16 | 25 … 29 |
| 10…30 | 40…70 | 14d | 20…40 | - |
| 30…50 | 50…100 | 12d | 40…70 | 20…40 |
| 50…80 | 80…150 | 11d | 50…100 | 30…50 |
| 80…120 | 120…200 | 10d | 80…150 | 40…70 |
| 120…180 | 200…300 | 9d | 120…200 | 50…100 |
| 180…260 | 250…350 | 6d | 160…250 | 80…150 |
| 260…360 | - | - | 200…300 | - |
| 360…400 | - | - | 250…350 | - |

***Initial axial clearance in conical double-row roller bearings, micron***

| Nominal hole size of the bearing d, мм | Normal group | | Additional group | |
|---|---|---|---|---|
| | Contact angle α,° | | | |
| | 10 … 16 | Lmax | 10 … 16 | 25 … 29 |
| Not more than 80 | 200…300 | 150…250 | 400…500 | 300…400 |
| 80…120 | 300…400 | 200…300 | 500…700 | 400…500 |
| 120…180 | 400…500 | 300…400 | 700…900 | 500…700 |
| 180…260 | 500…650 | 350…500 | 900…1200 | 700…950 |
| 260…360 | 650….850 | 450…600 | 1200…1500 | 900…1200 |
| 360…500 | 850…1000 | 500…700 | - | - |
| 500…630 | 950…1200 | 650…900 | - | - |
| 630…800 | 1200…1500 | 800…1050 | - | - |
| 800…1000 | 1500…1800 | 1000…1300 | - | - |

## V. BEARING SEALS

For protection of bearings against hit of the foreign substances causing pollution of a grease and premature wear (dust, moisture, dirt, etc.), the built-in seals are used.



**There are the following types of seals:**

1. Protective shields - clearance seals made of steel sheet. International designation Z; (ZZ,2Z). Are used in the units working in the conditions of medium pollution where there is no danger of hit of water, steam, etc.
2. Seals of small friction - rubber-metal protective shields with a spacing between an inner race of the bearing and a shield.
International designation: V (VV) - NSK, RSL (2RSL), RZ (2RZ)-SKF. Are used when the increased security of the bearing and small friction is required.
3. Contact seals - the rubber-metal shields providing reliable protection of the bearing against penetration of moisture, dust, vapors. Are used in gears where long work without lubricant replacement is required.
International designation: DU (DDU)-NSK, RS (2RS); RS1 (2RS1) – SKF.

## VI. SEPARATORS IN BEARINGS

Basic purpose of a separator in the bearing is maintenance of an equal distribution of rolling elements on circles, prevention of contact piece between the next rolling elements and their loss.

As separators are exposed to various mechanical, chemical and thermal influence during the operation of bearings, their design and materials considerably differ

**Stamped separators** are made of sheet steel or brass. They are light and take a little place that provides high dynamic properties of bearings and good lubricity.

Main types of stamped separators:
– compound (serpent) of two semi-separators connected by rivets or bent antennas;
– petal (antennal);
– snapped;
– window type

**Cast separators** are made, as a rule, of the polyamide 6,6 reinforced by fiber glass or without reinforcing.

Such separators have high strength and elasticity and can work in the range of temperatures from -40 °C to +120 °C. It must be kept in mind that under the influence of temperature and aggression of the environment polyamide 6,6 is subject to «ageing» (elasticity kickdown) that can lead to collapse of a separator.

**Main types of cast separators:**
– snapped;
– window type.

Characteristic feature of separators from polymers is the fact that they allow to work a long time in the conditions of insufficient lubricant.

**The massive mechanically processed separators** are made of brass, steel, bronze and light-metal alloys. They allow work at high speeds and with big speedup. Steel separators can work at temperatures up to +300 °C, and the working temperature of brass shouldn't exceed +250 °C.

Main types of massive separators:
– integral window type; edge, single-row and double-row;
– compound (riveted) with separator shields;
– integral of textolite.

Mechanically processed separators can be aligned:
– on rolling elements;
– on inner race;
– on outer race.

Steel separators with shafts are applied in big roller bearings. At the same time rollers with through bores are used. Such separators allow to increase quantity of rollers in the bearing.

## VII. VIBRATION IN BEARINGS

Bearing vibration size is one of critical parameters defining quality of the bearing, influencing work of the whole unit. Low-amplitude fluctuations of surfaces of the details causing noise are meant as vibration. Noise level of bearings is expressed in decibels (DB) of rather zero threshold of 1x10-12 W/sq.m that corresponds to the vibrospeed of 5x10-8 m/s.

Bearings are divided into categories progressively of reduction of noise level Sh, Sh1, Sh2, … Sh9.

Bearings of accuracy class 5 and above have to meet standards of vibration not below «Sh».

***Level of vibration is controlled at three band frequencies:***

– low (L) 50÷300 Hz;
– average (M) 300÷1800 of Hz;
– high (N) 1800÷10000 of Hz.

On the vibration speed of an outer race at rotation of internal one with a speed of 1500÷1800 rpm.

In the field of low frequencies activators of vibration are, as a rule, offset from rotundity and facet of ball race.

In the field of average frequencies – sinuosity of rings and facet of rolling elements.

In the field of high frequencies – sinuosity of rolling elements, roughness and sinuosity of rings of the bearing.

Besides, increase in vibration and noise cause the increased radial play and clearance of rolling elements in a separator.

Some defects of races or rolling elements, and also pollution of the bearing, leads to emergence of impulses or splashes in a time domain of a signal of speed. Measurement of parameters of an impulse of P (micron/sec.) is made by various methods, depending on type of the bearing and a mode of its application, in coordination with the consumer and is considered as additional option of an assessment of vibration. In this case the noise level of the bearing is designated as: ShSh; Sh11; Sh22; … Sh99.

Basic levels of norms of vibration are given in DDD ARRI.038-08.

## VIII. MOUNTING HINTS

Usually bearings are brought for installation in conservation lubricant. Degreasing of bearings is made according to the existing instruction for storage, degreasing of bearings and their details and the treatment of them. As a rule, bearings are reactivated in hot (80-90 °C) mineral oil, then carefully washed out in 6-8% solution of oil, in gasoline or in hot (75-85 °C) anticorrosive water solutions, for example, of the following structures (%):

| | Solution 1 | Solution 2 |
|---|---|---|
| Trietanolamine | 0,5-1,0 | 0,5-1,0 |
| Sodium nitrite | 0,15-0,2 | 0,15-0,2 |
| Wetting agent | 0,02-0,1 | 0,08-0,2 |
| Water | The rest | Ths rest |

It isn't recommended to store the reactivated bearings more than two hours without corrosion prevention.

Before installation the bearing should be checked for compliance to appearance, existence of identification mark, ease of rotation, noiselessness and requirements of the specifications and technical documentation (absence of dints, traces of pollution, corrosion, a full complex of rivets, firmness of their installation or other connecting elements, a full complex of rolling elements, existence of damages of a separator, availability of lubricant in bearings with protective shields and so forth).

For check of a radial clearance one of rings of the bearing is fixed at horizontal position of a shaft and a spacing is determined by the indicator, displacing a free ring under the influence of measuring effort in the radial direction in two opposite situation. The difference of instrument readings corresponds to value of a radial clearance. Three dimensions are taken, turning a free ring of rather initial provision of a shaft of the bearing.

Axial clearance measurements are taken similarly, but at vertical position of a shaft of the bearing. Fixing one of rings, another is displaced in the axial direction in two extreme positions under the influence of measuring effort and fix a difference of indications of the indicator.

Radial clearance in radial double-row spherical bearings and bearings with cylindrical rollers without boards on outer races with a diameter of mounting bore over 60 mm can be measured by means of a probe.

The surfaces of shaft and bores interfaced to bearings in cases have to be washed carefully out, dried and greased with a thin oil layer. Ports for a supply of lubricant have to be blown and cleared of cuts and other metal particles.

It is necessary to check misalignment of all mounting surfaces located on one shaft for compliance to the norms specified in technical documentation.

If the bearings serving as a bearing part of one shaft are installed in different cases (separate ones), coaxiality of cases, according to requirements of technical documentation, has to be provided by means of layer pads or other means.

At installation of two bearings on the one mounting pin (radial ball, roller spherical and cylindrical) the difference in radial clearance shouldn't exceed 0,03 mm, and on internal and external diameters of rings - no more than a half of a tolerance range.

**DURING MOUNTING IT IS FORBIDDEN:**

1. to mount so that the effort was transferred from one ring to another through rolling elements;
2. to make assembly effort for a separator;
3. to strike blows directly to a ring;
4. to make a ring sidesway at axial movement.

During mounting of the bearing of open type with a tightness on a shaft it is necessary to previously heat the bearing in an oil bathtub. For this purpose the bearing is immersed in a bathtub with the pure mineral oil having high temperature of flash, heated to 80-90 °C and maintained within 15-20 minutes, depending on the sizes.

The heated bearing is installed on a shaft, considering that the side of the bearing with a brand has to be outside and bring to the place by small effort.

For installation of big bearings (more than 120-150 mm) the application of the hydraulic method providing high-quality installation (mounting) of the bearing without assembly damages and high efficiency is recommended.

When mounting the bearing into the case with preload it must be cooled with liquid nitrogen (-160 °C) or artificial ice or the case must be heated before installation.

Installation of bearings with an inner diameter up to 80 mm can be carried out by means of the hammer and the assembly barrel. At the same time the effort when mounting with preload to shaft has to be transmitted through an inner race of the bearing, and when landing with preload in the case - through external.

If the inner race of the bearing is established with a preload, then the bearing on a shaft is mounted first.

At simultaneous preload to a shaft and into the case the effort of installation needs to be transferred to

both rings of the bearing.

The effort necessary for installation, can be considerably reduced by means of heating of the bearing in an oil bathtub.

Electric tiles and induction heaters are also widely applied to heating of bearings. Heating temperature usually exceeds temperature of the interfaced detail on 80-90°C, but, in order to avoid changes in structure of metal, it shouldn't exceed 100 °C. It is forbidden to apply an open flame to heating of bearings.

Installation of bearings with an inner diameter up to 80 mm on a conical pin of a shaft can be carried out screwing a lock nut with ring wrench.

Bearings with an inner diameter over 50 mm can be mounted on a conical pin of a shaft using hydraulic mode. The hydraulic nut is screwed on on a shaft, and if thread is absent - fastens on a shaft by means of auxillaries. At the same time the bucket of a hydronut is installed with a thrust block in an inner race of the bearing. The subsequent oil supply unclenches the bucket and nut, providing fit of the bearing with a tightness on a shaft and the corresponding reduction of a spacing in the bearing. After that the nut is removed and the bearing is locked on a shaft.

* Oil supply under pressure upon the interfaced surfaces of a shaft and the bearing facilitates screwing a nut in the course of installation on a conical pin of a shaft.

The most effective mode of installation of bearings with a conical bore is the oil supply under pressure at simultaneous use of a hydraulic nut.

Bearings on fixing and coupling barrels are always installed with preload. The size of preload is defined by the size of axial offset of a ring of the bearing concerning the surface of the barrel. Offset of a ring at installation of the bearing on the coupling barrel is made by screwing a slotted nut. Installation process in this case is similar to installation of the bearing on a conical pin of a shaft.

In case of installation of the bearing on the coupling barrel it is pressed between a pin of a shaft and a bore of the bearing. At the same time various schemes of carrying out process using hammer and assembly barrel are possible; screwing on of slotted nut on a shaft with a ring wrench; a press fitting of the coupling barrel with the bucket of the hydraulic nut which is screwed on on a shaft, on the coupling barrel with a thrust block in a releasable assembly ring, etc.

Rolling elements of an outer or inner race of the bearing, depending on a bearing part design, are covered with lubricant and needles are placed for simplification of installation of needle bearings without separator. Assembly of units is carried out by means of installation mandrel which entry diameter of 0,1-0,3 mm less than the bearing size.

The unit is refueled with grease according to technical requirements on this mechanism and ride tests are carried out to check noisiness of the run and a working temperature of the bearing after installation of the bearing and check of ease of the run .

Run tests have to be carried out at an underload and speeds which parameters are stipulated in technical requirements on this mechanism.

**It is forbidden** to test especially axial and thrust and radial bearings without loading and at once to disperse to high speeds since rolling elements at the same time can begin to slip on a bearing race and will damage it or separator will have excessive tension.

Noise at rotation of the bearing is listened through a stethoscope, a tube or a rod. Correctly built and well greased bearings during the work create the silent, slightly buzzing noise.

Emergence of sharp noise can demonstrate the wrong installation, sidesways, damages from application of an impactor tool (at installation); uneven noise or a knocking can tell about hit of foreign particles in the bearing; noise of a metal sound – about an insufficient clearance in the bearing; whistle or gnash – about insufficient lubricant. Increase in temperature of the bearing at once after start-up is a normal phenomenon, eventually temperature is stabilized.



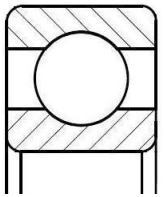
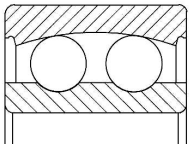
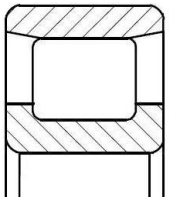
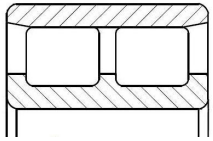
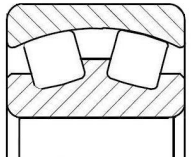
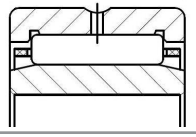
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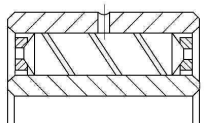
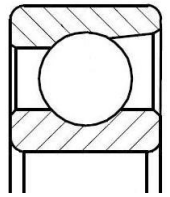
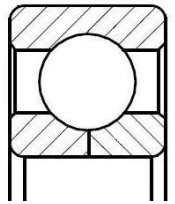
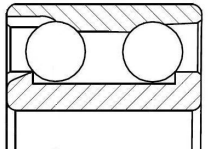
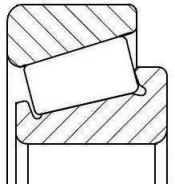
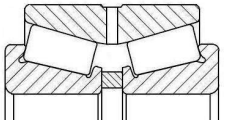
– excess of lubricant in unit;
– excessive tightness of bearing in the radial or axial direction;
– mutual sidesway of rings;
– low-quality production of mating details therefore separator and rolling element can cling;
– increased friction of seals.

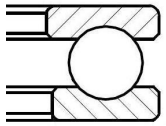
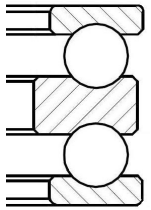
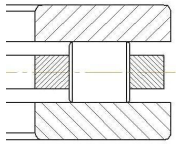
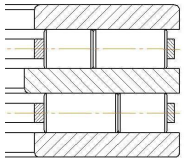
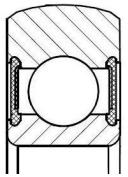
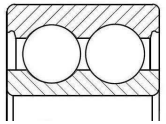
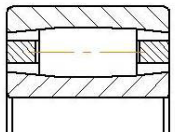
Process of ride tests is recommended to be finished after stabilization of temperature condition of the bearing.

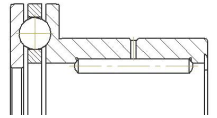
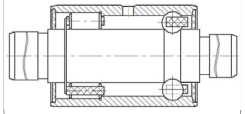
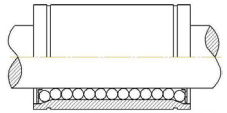
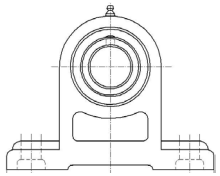
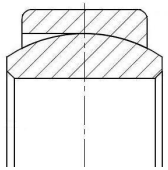
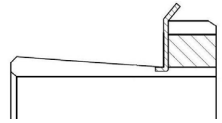
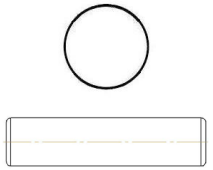
# CATALOGUE OF BEARINGS

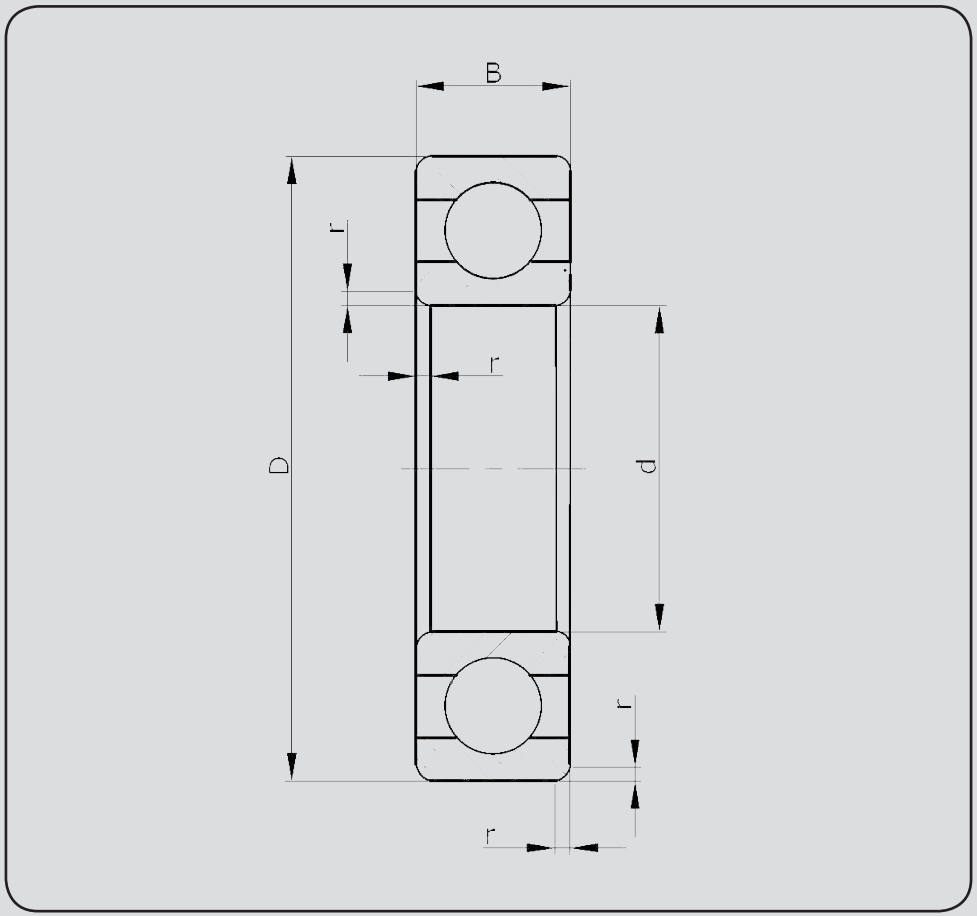
## MAIN NOMENCLATURE OF BEARINGS (PRODUCTION of «SZPK», etc.). PROVIDED by LLC SZPK (DESIGNATION IN ACCORDANCE WITH GOST 3189-75)

| Type | GOST group | Design | Modification |
|---|---|---|---|
| BALL RADIAL | 0 |  | 160… 880…<br>60… 860… 840…<br>150… 180… 770…<br>50… 80… 980…<br>… 170… |
| BALL RADIAL DOUBLE-ROW SPHERICAL | 1 |  | 111…<br>11… 971…<br>1… 981… |
| ROLLER RADIAL WITH SHORT CYLINDRICAL ROLLERS | 2 |  | 42… 102… 502…<br>32… 92… 292…<br>12… 62… 232…<br>2… 52… 152… |
| | |  | 282…<br>182…<br>162… |
| ROLLER RADIAL SPHERICAL | 3 |  | 13… 153…<br>113… 53…<br>3… |
| ROLLER RADIAL NEEDLE | 4 |  | 74… НД…<br>254… СК… КК…<br>244… ВК… К…<br>74… 804… 94./…<br>24… 354… |

| Type | GOST group | Design | Modification |
|---|---|---|---|
| RADIAL ROLLER WITH SPIRAL ROLLERS | 5 |  | 35… 65…<br>15… 45…<br>5… |
| BALL RADIAL-THRUST SINGLE-ROW AND DOUBLE-ROW | 6 |  | 46… 76…<br>36… 66…<br>6… |
| | |  | 176…<br>126…<br>118… |
| | |  | 156…<br>86…<br>56… |
| ROLLER CONICAL | 7 |  | 67…<br>27…<br>7… |
| | |  | 97…<br>77… |

| Type | GOST group | Design | Modification |
|---|---|---|---|
| BALL THRUST AND THRUST RADIAL | 8 |  | 28… 98… 58…<br>38… 108… 958…<br>8… 18… 688… |
| | |  | 348…<br>178…<br>168… |
| ROLLER THRUST AND THRUST RADIAL | 9 |  | 19… 999…<br>9… 889… |
| | |  | 39…<br>29… |
| SUPPORT ROLLERS | |  | (342…R) SKF |
| 2-ROW BALL | |  | (42…, 43…) SKF |
| WITH TOROIDAL ROLLERS | |  | |

| Type | GOST group | Design | Modification |
|---|---|---|---|
| COMBINED | |  | |
| WITH THE ROLLER INSTEAD OF THE INNER RACE | |  | |
| FOR LINEAR CONVEYANCE | |  | |
| UNITS WITH CASES | |  | |
| HINGED BEARINGS | |  | |
| BARRELS | |  | |
| READY DETAILS | |  | Balls and rollers |




# RADIAL BALL BEARINGS
# (TYPE OF THE BEARING «O»)

RADIAL BALL BEARINGS
SINGLE-ROW OPENED AND CLOSED ..... 42

RADIAL BALL BEARINGS
SINGLE-ROW OPENED AND CLOSED
WITH GROOVE UNDER THE RETAINING RACE ..... 104

RADIAL BALL BEARINGS
SINGLE-ROW WITH THE GROOVE FOR INPUT OF BALLS ..... 118

RADIAL BALL BEARINGS
SINGLE-ROW WITHOUT SEPARATOR ..... 122

RADIAL BALL BEARINGS DOUBLE-ROW ..... 124

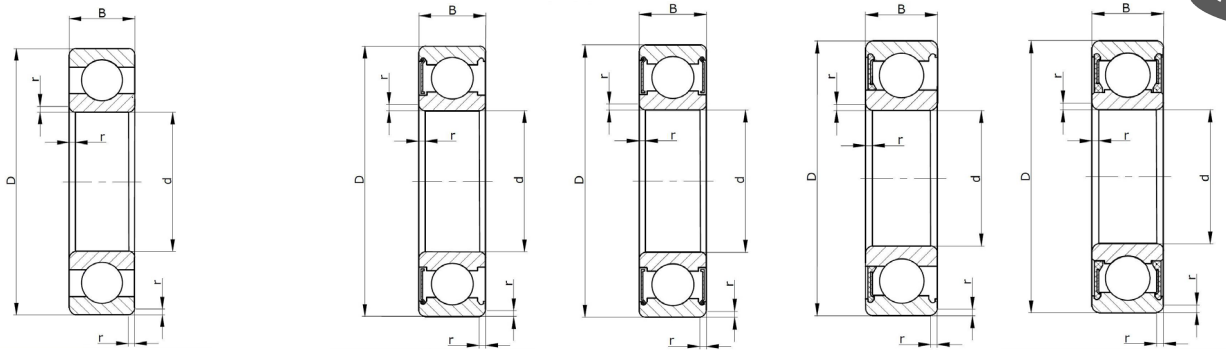
RADIAL BALL BEARINGS
SINGLE-ROW WITH MASSIVE EXTERNAL
RACE - SUPPORT ROLLERS ..... 128

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

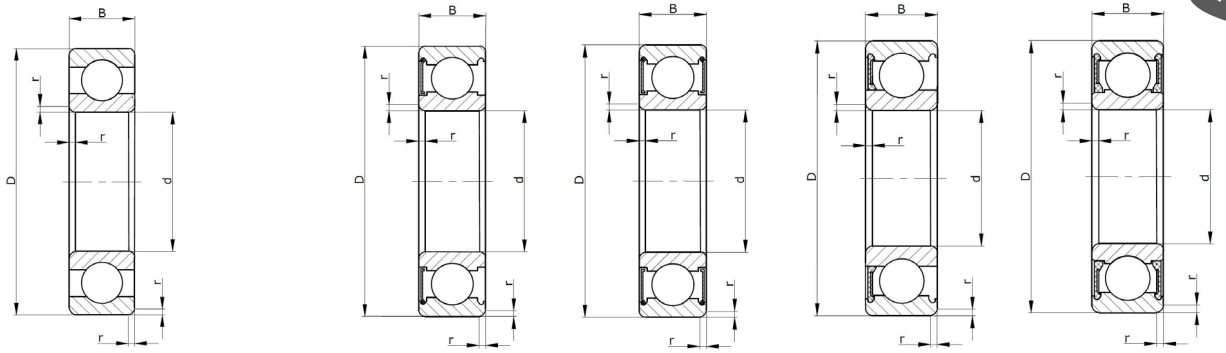
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 603 | 3 | 9 | 3 | | 0,001 | 0,44 | 0,19 | 34000 | 40000 |
| 16 | 606 | 6 | 17 | 6 | | 0,008 | 2,2 | 0,86 | 34000 | 40000 |
| 17 | 607 | 7 | 19 | 6 | | 0,009 | 2,2 | 1,16 | 34000 | 40000 |
| 18 | 608 | 8 | 22 | 7 | | 0,015 | 3,25 | 1,34 | 32000 | 38000 |
| 19 | 609 | 9 | 24 | 7 | | 0,018 | 3,71 | 1,53 | 32000 | 38000 |
| 23 | 623 | 3 | 10 | 4 | | 0,0015 | 0,49 | 0,217 | 40000 | 48000 |
| 24 | 624 | 4 | 13 | 5 | | 0,0032 | 0,9 | 0,415 | 38000 | 45000 |
| 25 | 625 | 5 | 16 | 5 | | 0,0047 | 1,48 | 0,74 | 36000 | 43000 |
| 26 | 626 | 6 | 19 | 6 | | 0,008 | 2,17 | 1,16 | 32000 | 38000 |
| 27 | 627 | 7 | 22 | 7 | | 0,0123 | 3,25 | 1,35 | 30000 | 36000 |
| 28 | 628 K | 8 | 24 | 8 | | 0,019 | 3,33 | 1,36 | 28000 | 34000 |
| 29 | 629 | 9 | 26 | 8 | | 0,02 | 4,62 | 1,96 | 28000 | 34000 |
| 34 | 634 | 4 | 16 | 5 | | 0,005 | 1,45 | 0,74 | 36000 | 43000 |
| 35 | 635 | 5 | 19 | 6 | | 0,009 | 21,29 | 1,16 | 32000 | 40000 |
| 45 | - | 4,5 | 8 | 2,5 | | 0,0004 | - | - | - | - |
| 62 | - | 2 | 7 | 2,5 | | 0,0005 | - | - | - | - |
| 64 | - | 4 | 7 | 2,5 | | 0,0006 | 0,28 | 0,1 | 32000 | 40000 |
| 66 | - | 6 | 22 | 6 | | 0,0122 | 2,17 | 1,15 | 32000 | 38000 |
| 69 | - | 9 | 14 | 3 | | 0,002 | 1,33 | 0,57 | 36000 | 43000 |
| 74 | - | 4 | 11 | 2,5 | | 0,0013 | - | - | - | - |
| 76 | - | 6 | 10 | 2,5 | | 0,0007 | 0,58 | 0,2 | 40000 | 48000 |
| 79 | - | 9 | 15 | 2,5 | | 0,002 | - | - | - | - |
| 82 | - | 2 | 5 | 2,5 | | 0,0005 | 0,28 | 0,09 | 45000 | 53000 |
| 86 | - | 6 | 10 | 1,5 | | 0,0003 | - | - | - | - |
| 89 | - | 9 | 22 | 7 | | 0,0111 | 3 | 1,1 | 26000 | 32000 |
| | | | | | | | | | | |
| 100 | 6000 | 10 | 26 | 8 | | 0,019 | 4,62 | 1,96 | 30000 | 36000 |
| 101 | 6001 | 12 | 28 | 8 | | 0,022 | 5,07 | 2,24 | 26000 | 32000 |
| 102 | 6002 | 15 | 32 | 9 | | 0,03 | 5,59 | 2,5 | 22000 | 28000 |
| 103 | 6003 | 17 | 35 | 10 | | 0,04 | 6,05 | 2,8 | 19000 | 24000 |
| 104 | 6004 | 20 | 42 | 12 | | 0,07 | 9,36 | 4,5 | 17000 | 20000 |
| 105 | 6005 | 25 | 47 | 12 | | 0,082 | 11,2 | 5,6 | 15000 | 18000 |
| 106 | 6006 | 30 | 55 | 13 | | 0,119 | 13,3 | 6,8 | 12000 | 15000 |
| 107 | 6007 | 35 | 62 | 14 | | 0,154 | 15,9 | 8,5 | 10000 | 13000 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
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**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

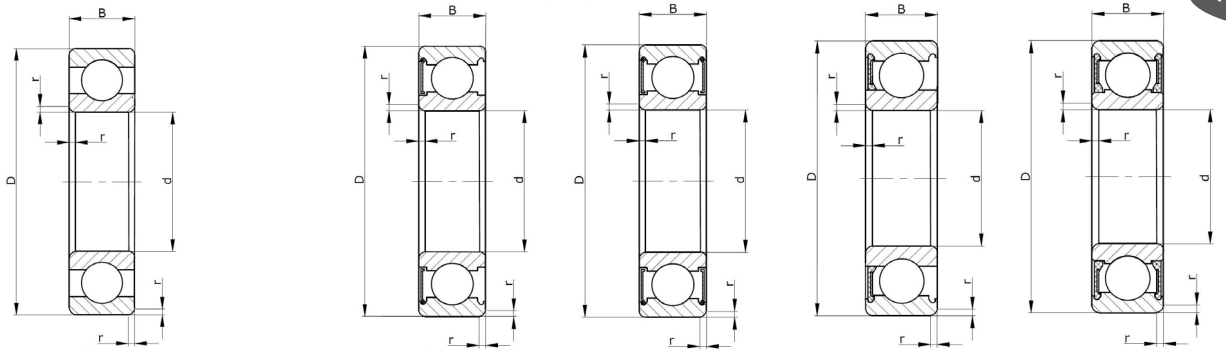
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 108 | 6008 | 40 | 68 | 15 | | 0,191 | 16,8 | 9,3 | 9500 | 12000 |
| 109 | 6009 | 45 | 75 | 16 | | 0,241 | 21,2 | 12,2 | 9000 | 11000 |
| 110 | 6010 | 50 | 80 | 16 | | 0,26 | 21,6 | 13,2 | 8500 | 10000 |
| 111 | 6011 | 55 | 90 | 18 | | 0,383 | 28,1 | 17 | 7500 | 9000 |
| 112 | 6012 | 60 | 95 | 18 | | 0,411 | 29,6 | 18,3 | 6700 | 8000 |
| 113 | 6013 | 65 | 100 | 18 | | 0,437 | 30,7 | 19,6 | 6300 | 7500 |
| 114 | 6014 | 70 | 110 | 20 | | 0,604 | 37,7 | 24,5 | 6000 | 7000 |
| 115 | 6015 | 75 | 115 | 20 | | 0,638 | 39,7 | 26 | 5600 | 6700 |
| 116 | 6016 | 80 | 125 | 22 | | 0,845 | 47,7 | 91,5 | 5600 | 6700 |
| 117 | 6017 | 85 | 130 | 22 | | 0,892 | 49,4 | 33,5 | 5000 | 6000 |
| 118 | 6018 | 90 | 140 | 24 | | 1,167 | 57,2 | 39 | 4800 | 5600 |
| 119 | 6019 | 95 | 145 | 24 | | 1,224 | 60,5 | 41,5 | 4500 | 5300 |
| 120 | 6020 | 100 | 150 | 24 | | 1,271 | 60,5 | 41,5 | 5000 | 5600 |
| 121 | 6021 | 105 | 160 | 26 | | 1,591 | 72,8 | 51 | 4000 | 4800 |
| 122 | 6022 | 110 | 170 | 28 | | 1,953 | 81,9 | 57 | 3800 | 4500 |
| 124 | 6024 | 120 | 180 | 28 | | 2,098 | 85 | 61 | 3400 | 4000 |
| 126 | 6026 | 130 | 200 | 33 | | 3,257 | 106 | 78 | 3200 | 3800 |
| 128 | 6028 | 140 | 210 | 33 | | 3,388 | 111 | 83 | 3000 | 3600 |
| 130 | 6030 | 150 | 225 | 35 | | 4,157 | 125 | 96,5 | 2600 | 3200 |
| 132 | 6032 | 160 | 240 | 38 | | 5,056 | 143 | 112 | 2400 | 3000 |
| 134 | 6034 | 170 | 260 | 42 | | 6,91 | 168 | 134 | 2200 | 2800 |
| 136 | 6036 | 180 | 280 | 46 | | 8,876 | 190 | 156 | 2000 | 2600 |
| 138 | 6038 | 190 | 290 | 46 | | 9,31 | 195 | 166 | 2000 | 2600 |
| 140 | 6040 | 200 | 310 | 51 | | 11,93 | 216 | 190 | 1900 | 2400 |
| 144 | 6044 | 220 | 340 | 56 | | 18,4 | 247 | 228 | 1700 | 2000 |
| 148 | 6048 | 240 | 360 | 56 | | 20,5 | 255 | 315 | 1600 | 1900 |
| 152 | 6052 | 260 | 400 | 65 | | 29,3 | 291 | 290 | 1500 | 1800 |
| 156 | 6056 | 280 | 420 | 65 | | 31 | 302 | 315 | 1400 | 1700 |
| 160 | 6060 | 300 | 460 | 74 | | 43,8 | 358 | 390 | 1200 | 1400 |
| 164 | 6064 | 320 | 480 | 74 | | 50,3 | 355 | 510 | 1100 | 1400 |
| 168 | 6068 | 340 | 520 | 82 | | 62 | 442 | 540 | 1000 | 1300 |
| 172 | 6072 | 360 | 540 | 82 | | 65 | 462 | 570 | 1000 | 1200 |
| 176 | 6072 | 380 | 560 | 82 | | 67,5 | 462 | 750 | 1000 | 1200 |
| 180 | 6080 | 400 | 600 | 90 | | 88,4 | 510 | 825 | 900 | 1100 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
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- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
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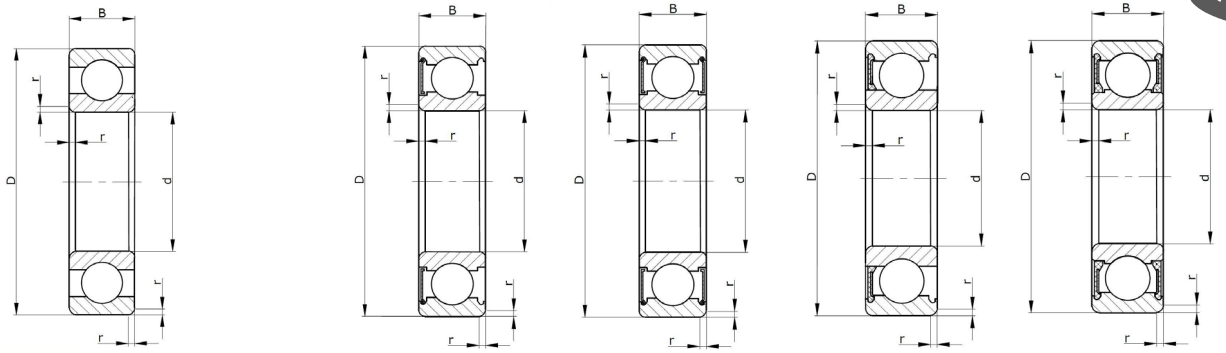
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 184 | 6184 | 420 | 620 | 90 | | 92,2 | 530 | 895 | 900 | 1100 |
| 188 | 6088 | 440 | 650 | 94 | | 106 | 550 | 965 | 850 | 1000 |
| 192 | 6092 | 460 | 680 | 100 | | 123 | 605 | 1080 | 800 | 950 |
| 196 | 6096 | 480 | 700 | 100 | | 127 | 605 | 1090 | 740 | 900 |
| 1/500 | 60/500 | 500 | 720 | 100 | | 137 | 630 | 1170 | 750 | 900 |
| 1/530 | 60/530 | 530 | 780 | 112 | | 184 | 680 | 1300 | 670 | 810 |
| 1/560 | 60/560 | 560 | 820 | 115 | | 208 | 670 | 1370 | 630 | 750 |
| 1/600 | 60/600 | 600 | 870 | 118 | | 236 | 790 | 1640 | 600 | 700 |
| 1/630 | 60/630 | 630 | 920 | 128 | | 285 | 750 | 1620 | 550 | 600 |
| 1/670 | 60/670 | 670 | 980 | 136 | | 351 | 765 | 1730 | 500 | 600 |
| 1/710 | 60/710 | 710 | 1030 | 140 | | 386 | 1020 | 2310 | 490 | 560 |
| 1/750 | 60/750 | 750 | 1090 | 150 | | 490 | 975 | 2370 | 450 | 530 |
| 1/800 | 60/800 | 800 | 1150 | 155 | | 535 | 1010 | 2550 | 400 | 480 |
| 1/850 | 60/850 | 850 | 1220 | 165 | | 640 | 1090 | 2980 | 370 | 430 |
| 1/900 | 60/900 | 900 | 1280 | 170 | | 725 | 1080 | 3120 | 330 | 410 |
| 1/950 | 60/950 | 950 | 1360 | 180 | | 850 | 1145 | 3315 | 310 | 380 |
| 1/1000 | 60/1000 | 1000 | 1420 | 185 | | 925 | 1320 | 3900 | 280 | 340 |
| 1/1060 | 60/1060 | 1060 | 1500 | 195 | | 1090 | 1320 | 3860 | 250 | 330 |
| 1/1120 | 60/1120 | 1120 | 1580 | 200 | | 1245 | 1430 | 4480 | 250 | 300 |
| | | | | | | | | | | |
| 200 | 6200 | 10 | 30 | 9 | | 0,031 | 5,9 | 2,65 | 24000 | 30000 |
| 201 | 6201 | 12 | 32 | 10 | | 0,037 | 6,89 | 3,1 | 22000 | 28000 |
| 202 | 6202 | 15 | 35 | 11 | | 0,046 | 7,8 | 3,55 | 19000 | 24000 |
| 203 | 6203 | 17 | 40 | 12 | | 0,073 | 9,56 | 4,5 | 17000 | 20000 |
| 204 | 6204 | 20 | 47 | 14 | | 0,108 | 12,7 | 6,2 | 15000 | 18000 |
| 205 | 6205 | 25 | 52 | 15 | | 0,129 | 14 | 6,95 | 12000 | 15000 |
| 206 | 6206 | 30 | 62 | 16 | | 0,2 | 19,5 | 10 | 10000 | 13000 |
| 207 | 6207 | 35 | 72 | 17 | | 0,284 | 25,5 | 13,7 | 9000 | 11000 |
| 208 | 6208 | 40 | 80 | 18 | | 0,349 | 32 | 17,8 | 8500 | 10000 |
| 209 | 6209 | 45 | 85 | 19 | | 0,404 | 33,2 | 18,6 | 7500 | 9000 |
| 210 | 6210 | 50 | 90 | 20 | | 0,46 | 35,1 | 19,8 | 7000 | 8500 |
| 211 | 6211 | 55 | 100 | 21 | | 0,597 | 43,6 | 25 | 6300 | 7500 |
| 212 | 6212 | 60 | 110 | 22 | | 0,771 | 52 | 31 | 6000 | 7100 |
| 213 | 6213 | 65 | 120 | 23 | | 0,997 | 56 | 34 | 5300 | 6300 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** | **60 000 (6000 Z)** | **80 000 (6000 ZZ)** | **160 000 (6000 RS)** | **180 000 (6000 2RS)**

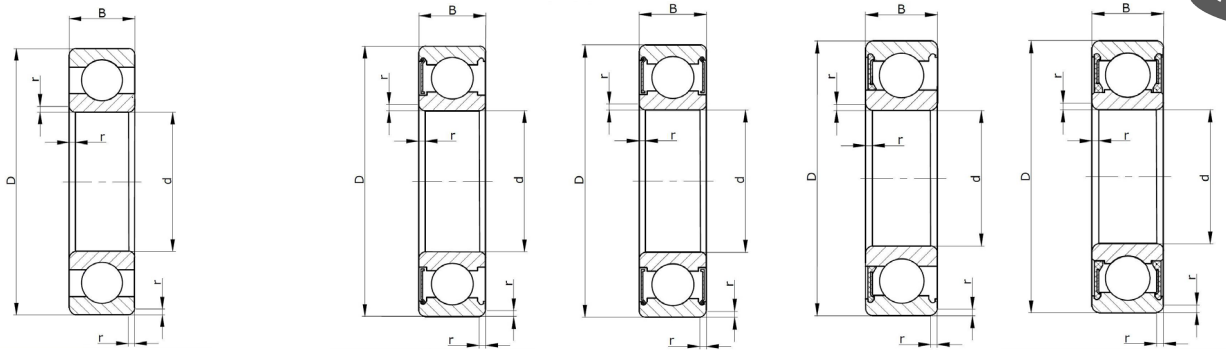
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 214 | 6214 | 70 | 125 | 24 | | 1,072 | 61,8 | 37,5 | 5000 | 6000 |
| 215 | 6215 | 75 | 130 | 25 | | 1,179 | 66,3 | 41 | 4800 | 5600 |
| 216 | 6216 | 80 | 140 | 26 | | 1,402 | 70,2 | 45 | 4500 | 5300 |
| 217 | 6217 | 85 | 150 | 28 | | 1,799 | 83,2 | 53 | 4300 | 5000 |
| 218 | 6218 | 90 | 160 | 30 | | 2,159 | 95,6 | 62 | 3000 | 4500 |
| 219 | 6219 | 95 | 170 | 32 | | 2,606 | 108 | 69,5 | 3600 | 4300 |
| 220 | 6220 | 100 | 180 | 34 | | 3,13 | 124 | 79 | 3400 | 4000 |
| 221 | 6221 | 105 | 190 | 36 | | 3,74 | 133 | 90 | 3200 | 3800 |
| 222 | 6222 | 110 | 200 | 38 | | 4,37 | 146 | 100 | 2800 | 3400 |
| 224 | 6224 | 120 | 215 | 40 | | 5,15 | 156 | 112 | 2800 | 3400 |
| 226 | 6226 | 130 | 230 | 40 | | 6,2 | 156 | 112 | 2600 | 3200 |
| 228 | 6228 | 140 | 250 | 42 | | 7,56 | 165 | 122 | 2400 | 3000 |
| 230 | 6230 | 150 | 270 | 45 | | 9,85 | 189 | 150 | 2000 | 2600 |
| 232 | 6232 | 160 | 290 | 48 | | 15 | 200 | 165 | 1900 | 2400 |
| 234 | 6234 | 170 | 310 | 52 | | 16,5 | 240 | 209 | 1900 | 2400 |
| 236 | 6236 | 180 | 320 | 52 | | 17,5 | 229 | 196 | 1800 | 2200 |
| 238 | 6238 | 190 | 340 | 55 | | 23,3 | 255 | 232 | 1700 | 2000 |
| 240 | 6240 | 200 | 360 | 58 | | 28 | 270 | 250 | 1700 | 2000 |
| 244 | 6244 | 220 | 400 | 65 | | 32,4 | 296 | 290 | 1500 | 1800 |
| 248 | 6248 | 240 | 440 | 72 | | 51 | 358 | 380 | 1300 | 1600 |
| 252 | 6252 | 260 | 480 | 80 | | 65,5 | 390 | 430 | 1100 | 1400 |
| 256 | 6256 | 280 | 500 | 80 | | 71 | 416 | 480 | 1000 | 1300 |
| 260 | 6260 | 300 | 540 | 85 | | 87,8 | 465 | 670 | 950 | 1200 |
| 264 | 6264 | 320 | 580 | 92 | | 111 | 530 | 805 | 850 | 1100 |
| 268 | 6268 | 340 | 620 | 92 | | 129 | 530 | 820 | 800 | 1000 |
| 272 | 6272 | 360 | 650 | 95 | | 145 | 555 | 905 | 750 | 950 |
| | | | | | | | | | | |
| 300 | 6300 | 10 | 35 | 11 | | 0,054 | 8,06 | 3,75 | 20000 | 26000 |
| 301 | 6301 | 12 | 37 | 12 | | 0,061 | 9,75 | 4,65 | 19000 | 24000 |
| 302 | 6302 | 15 | 42 | 13 | | 0,085 | 11,4 | 5,4 | 17000 | 20000 |
| 303 | 6303 | 17 | 47 | 14 | | 0,115 | 13,5 | 6,65 | 16000 | 19000 |
| 304 | 6304 | 20 | 52 | 15 | | 0,145 | 15,9 | 7,8 | 13000 | 16000 |
| 305 | 6305 | 25 | 62 | 17 | | 0,23 | 22,5 | 11,4 | 11000 | 14000 |
| 306 | 6306 | 30 | 72 | 19 | | 0,331 | 28,1 | 14,6 | 9000 | 11000 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

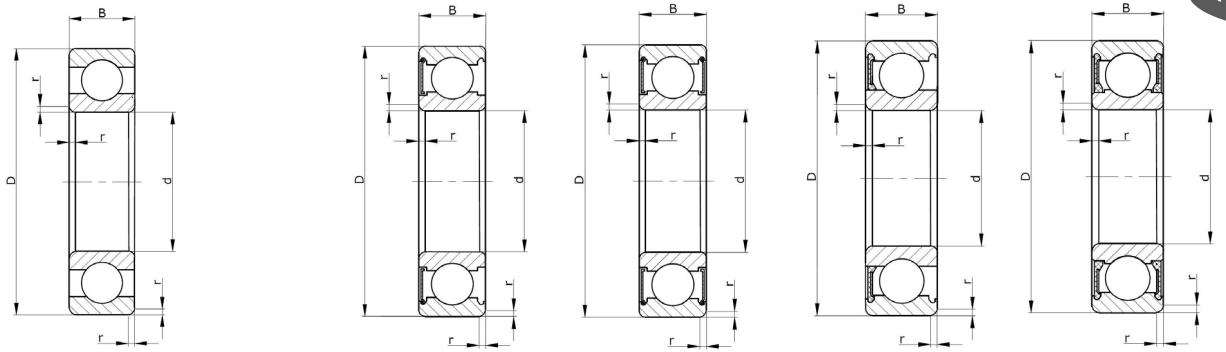
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 307 | 6307 | 35 | 80 | 21 | | 0,447 | 33,2 | 18 | 8500 | 10000 |
| 308 | 6308 | 40 | 90 | 23 | | 0,625 | 41 | 22,4 | 7500 | 9000 |
| 309 | 6309 | 45 | 100 | 25 | | 0,828 | 52,7 | 30 | 6700 | 8000 |
| 310 | 6310 | 50 | 110 | 27 | | 1,062 | 61,8 | 36 | 6300 | 7500 |
| 311 | 6311 | 55 | 120 | 29 | | 1,375 | 71,5 | 41,5 | 5600 | 6700 |
| 312 | 6312 | 60 | 130 | 31 | | 1,717 | 81,9 | 48 | 5000 | 6000 |
| 313 | 6313 | 65 | 140 | 33 | | 2,098 | 92,3 | 56 | 4800 | 5600 |
| 314 | 6314 | 70 | 150 | 35 | | 2,543 | 104 | 63 | 4500 | 5300 |
| 315 | 6315 | 75 | 160 | 37 | | 3,055 | 112 | 72,5 | 4300 | 5000 |
| 316 | 6316 | 80 | 170 | 39 | | 3,632 | 124 | 80 | 3800 | 4500 |
| 317 | 6317 | 85 | 180 | 41 | | 4,201 | 133 | 90 | 3800 | 4500 |
| 318 | 6318 | 90 | 190 | 43 | | 4,954 | 143 | 99 | 3400 | 4000 |
| 319 | 6319 | 95 | 200 | 45 | | 5,728 | 153 | 110 | 3200 | 3800 |
| 320 | 6320 | 100 | 215 | 47 | | 7,068 | 174 | 132 | 2800 | 3600 |
| 321 | 6321 | 105 | 225 | 49 | | 7,992 | 182 | 143 | 2800 | 3400 |
| 322 | 6322 | 110 | 240 | 50 | | 9,592 | 203 | 166 | 2400 | 3000 |
| 324 | 6324 | 120 | 260 | 55 | | 12,22 | 217 | 180 | 2200 | 2800 |
| 326 | 6326 | 130 | 280 | 58 | | 15 | 229 | 193 | 2200 | 2600 |
| 328 | 6328 | 140 | 300 | 62 | | 18,32 | 255 | 224 | 2000 | 2600 |
| 330 | 6330 | 150 | 320 | 65 | | 21,75 | 276 | 250 | 1800 | 2200 |
| 334 | 6334 | 170 | 360 | 72 | | 36,6 | 325 | 355 | 1600 | 2000 |
| 336 | 6336 | 180 | 380 | 75 | | 43,1 | 355 | 405 | 1500 | 1800 |
| 338 | 6338 | 190 | 400 | 78 | | 46,7 | 355 | 415 | 1400 | 1700 |
| 340 | 6340 | 200 | 420 | 80 | | 55,3 | 380 | 445 | 1300 | 1600 |
| 344 | 6344 | 220 | 460 | 88 | | 73,9 | 410 | 520 | 1200 | 1500 |
| 348 | 6348 | 240 | 500 | 95 | | 94,4 | 470 | 625 | 1100 | 1300 |
| 356 | 6356 | 280 | 580 | 108 | | 144 | 570 | 840 | 900 | 1100 |
| | | | | | | | | | | |
| 403 | 6403 | 17 | 62 | 17 | | 0,265 | 22,9 | 11,8 | 12000 | 15000 |
| 404 | 6404 | 20 | 72 | 19 | | 0,398 | 30,7 | 16,6 | 10000 | 15000 |
| 405 | 6405 | 25 | 80 | 21 | | 0,53 | 36,4 | 20,4 | 9000 | 11000 |
| 406 | 6406 | 30 | 90 | 23 | | 0,725 | 47 | 26,7 | 8500 | 10000 |
| 407 | 6407 | 35 | 100 | 25 | | 0,954 | 55,3 | 31 | 7000 | 8500 |
| 408 | 6408 | 40 | 110 | 27 | | 1,227 | 63,7 | 36,5 | 6700 | 8000 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

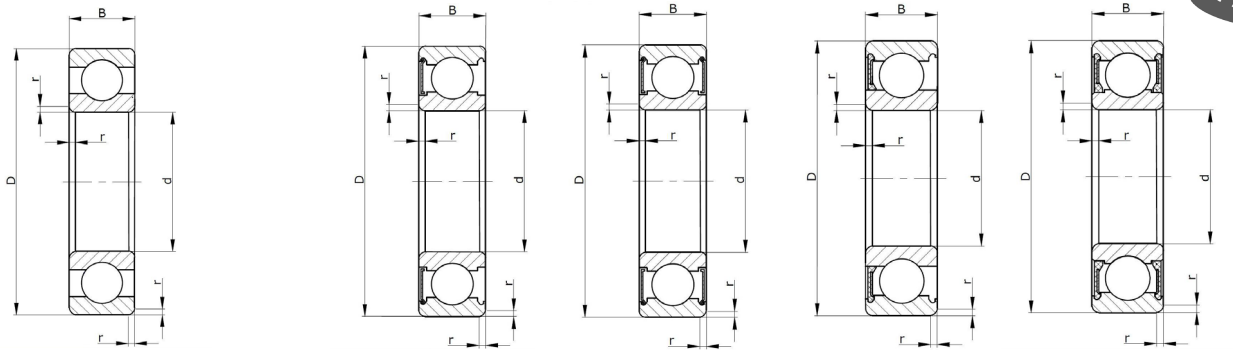
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 409 | 6409 | 45 | 120 | 29 | | 1,54 | 76,1 | 45,5 | 6000 | 7000 |
| 410 | 6410 | 50 | 130 | 31 | | 1,89 | 87,1 | 52 | 5300 | 6300 |
| 411 | 6411 | 55 | 140 | 33 | | 2,29 | 100 | 63 | 5000 | 6000 |
| 412 | 6412 | 60 | 150 | 35 | | 2,76 | 108 | 70 | 4800 | 5600 |
| 413 | 6413 | 65 | 160 | 37 | | 3,44 | 119 | 78 | 3200 | 4000 |
| 414 | 6414 | 70 | 180 | 42 | | 4,85 | 143 | 105 | 3800 | 4500 |
| 415 | 6415 | 75 | 190 | 45 | | 5,74 | 153 | 114 | 3600 | 4300 |
| 416 | 6416 | 80 | 200 | 48 | | 6,72 | 163 | 125 | 3400 | 4000 |
| 417 | 6417 | 85 | 210 | 52 | | 7,88 | 174 | 135 | 3200 | 3800 |
| 418 | 6418 | 90 | 225 | 54 | | 11,4 | 186 | 146 | 3000 | 3600 |
| 419 | 6419 | 95 | 240 | 55 | | 13,4 | 204 | 171 | 3000 | 3600 |
| 420 | 6420 | 100 | 250 | 58 | | 12,8 | 224 | 195 | 2600 | 3400 |
| 422 | 6422 | 110 | 280 | 65 | | 18,3 | 265 | 226 | 2200 | 3000 |
| | | | | | | | | | | |
| 700 | 16100 | 10 | 28 | 8 | | 0,023 | 4,55 | 1,96 | 20000 | 26000 |
| 702 | 16102 | 15 | 35 | 10 | | 0,042 | - | - | - | - |
| 703 | - | 17 | 47 | 14 | | 0,132 | 13,9 | 6,3 | 13000 | 16000 |
| 705 | - | 25 | 52 | 10 | | 0,091 | 13 | 5,8 | 15000 | 18000 |
| 706 | - | 30 | 42 | 6/7 | | 0,026 | 4,5 | 2,9 | 13000 | 16000 |
| 709 | - | 45 | 75 | 11 | | 0,22 | 15 | 10 | 9000 | 11000 |
| 710 | - | 50 | 80 | 11 | | 0,21 | 16 | 11 | 5000 | 6300 |
| 727 | - | 135 | 195 | 28 | | 3,08 | 70 | 50 | 2900 | 3800 |
| 733 | - | 165 | 250,5 | 35 | | 6,43 | 110 | 80 | 2000 | 2600 |
| 734 | - | 170 | 260 | 42 | | 8,5 | 168 | 134 | 2000 | 2600 |
| 750 | - | 250 | 335 | 41 | | 10,7 | 160 | 120 | 1600 | 1900 |
| | | | | | | | | | | |
| 800 | - | 10 | 15 | 2,5 | | 0,0013 | 1,1 | 0,6 | 40000 | 48000 |
| 801 | 16101 | 12 | 30 | 8 | | 0,023 | 5,07 | 2,36 | 34000 | 56000 |
| 802 | - | 15 | 42 | 11 | | 0,08 | 9,01 | 3,01 | 17000 | 20000 |
| 804 | - | 19 | 26 | 5 | | 0,005 | - | - | - | - |
| 808 | - | 40 | 52 | 8 | | 0,0274 | 8,6 | 7,6 | 11000 | 14000 |
| 809 | - | 45 | 62 | 9 | | 0,048 | 14 | 11,9 | 9000 | 11000 |
| | | | | | | | | | | |
| 1000083 | 618/3 | 3 | 7 | 2 | | 0,0003 | 0,392 | 0,127 | 36000 | 43000 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

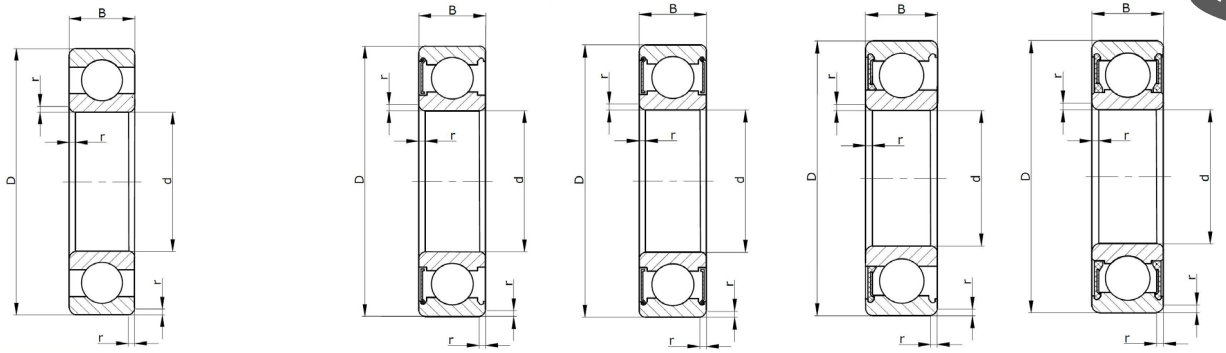
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000084 | 618/4 | 4 | 9 | 2,5 | | 0,0007 | 0,54 | 0,186 | 36000 | 43000 |
| 1000085 | 618/5 | 5 | 11 | 3 | | 0,0012 | 0,635 | 0,28 | 36000 | 43000 |
| 1000086 | 618/6 | 6 | 13 | 3,5 | | 0,002 | 0,884 | 0,325 | 36000 | 43000 |
| 1000087 | 618/7 | 7 | 14 | 3,5 | | 0,0022 | 0,956 | 0,36 | 36000 | 43000 |
| 1000088 | 618/8 | 8 | 16 | 4 | | 0,003 | 1,33 | 0,51 | 36000 | 43000 |
| 1000089 | 618/9 | 9 | 17 | 4 | | 0,0034 | 1,43 | 0,585 | 26000 | 32000 |
| | | | | | | | | | | |
| 1000091 | 619/1 | 1 | 4 | 1,6 | | 0,0001 | 0,125 | 0,034 | 160000 | 230000 |
| 1000092 | 619/2 | 2 | 6 | 2,3 | | 0,0004 | 0,28 | 0,086 | 45000 | 53000 |
| 1000093 | 619/3 | 3 | 8 | 3 | | 0,0007 | 0,56 | 0,186 | 43000 | 50000 |
| 1000094 | 619/4 | 4 | 11 | 4 | | 0,002 | 0,95 | 0,34 | 40000 | 48000 |
| 1000095 | 619/5 | 5 | 13 | 4 | | 0,0025 | 1,08 | 0,39 | 38000 | 45000 |
| 1000096 | 619/6 | 6 | 15 | 5 | | 0,004 | 1,47 | 0,555 | 38000 | 45000 |
| 1000097 | 619/7 | 7 | 17 | 5 | | 0,005 | 2,02 | 0,77 | 36000 | 43000 |
| 1000098 | 619/8 | 8 | 19 | 6 | | 0,007 | 2,24 | 0,88 | 34000 | 40000 |
| 1000099 | 619/9 | 9 | 20 | 6 | | 0,008 | 2,68 | 1,05 | 32000 | 38000 |
| | | | | | | | | | | |
| 100009/1,5 | 691 X | 1,5 | 5 | 2 | | 0,0002 | 0,237 | 0,069 | 85000 | 100000 |
| 100009/2,5 | 692 X | 2,5 | 7 | 2,5 | | 0,0006 | 0,385 | 0,127 | 63000 | 75000 |
| | | | | | | | | | | |
| 1000800 | 61800 | 10 | 19 | 5 | | 0,0055 | 1,48 | 0,63 | 34000 | 40000 |
| 1000801 | 61801 | 12 | 21 | 5 | | 0,007 | 1,43 | 0,65 | 32000 | 38000 |
| 1000802 | 61802 | 15 | 24 | 5 | | 0,08 | 1,56 | 0,83 | 30000 | 36000 |
| 1000803 | 61803 | 17 | 26 | 5 | | 0,009 | 1,68 | 0,93 | 26000 | 30000 |
| 1000804 | 61804 | 20 | 32 | 7 | | 0,02 | 2,7 | 1,5 | 22000 | 26000 |
| 1000805 | 61805 | 25 | 37 | 7 | | 0,022 | 3,12 | 1,98 | 18000 | 22000 |
| 1000806 | 61806 | 30 | 42 | 7 | | 0,027 | 3,42 | 2,35 | 11000 | 18000 |
| 1000807 | 61807 | 35 | 47 | 7 | | 0,031 | 4,03 | 3 | 14000 | 16000 |
| 1000808 | 61808 | 40 | 52 | 7 | | 0,035 | 4,16 | 3,35 | 11000 | 14000 |
| 1000809 | 61809 | 45 | 58 | 7 | | 0,043 | 6,05 | 3,8 | 9000 | 11000 |
| 1000810 | 61810 | 50 | 65 | 7 | | 0,057 | 6,24 | 4,25 | 9500 | 11000 |
| 1000811 | 61811 | 55 | 72 | 9 | | 0,091 | 8,32 | 5,6 | 8500 | 10000 |
| 1000812 | 61812 | 60 | 78 | 10 | | 0,12 | 8,71 | 7,35 | 8000 | 9500 |
| 1000813 | 61813 | 65 | 85 | 10 | | 0,13 | 11,7 | 8,3 | 7500 | 8500 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

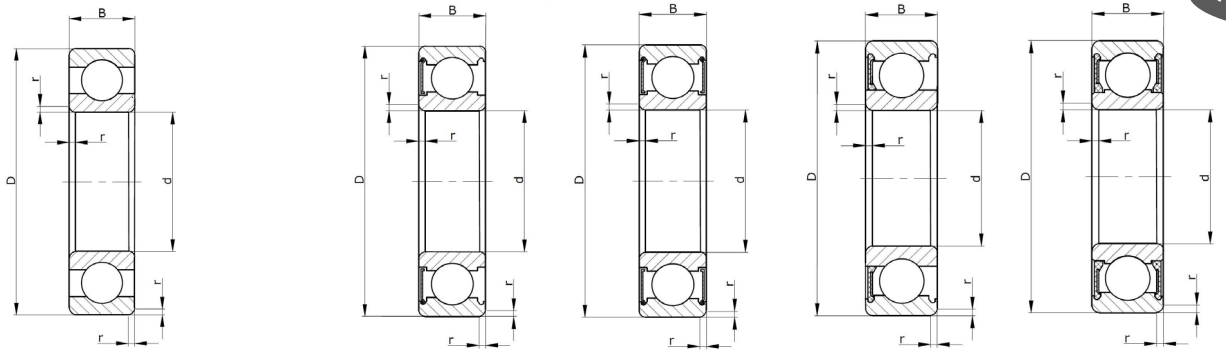
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000814 | 61814 | 70 | 90 | 10 | | 0,18 | 12,1 | 9,15 | 6700 | 8000 |
| 1000815 | 61815 | 75 | 95 | 10 | | 0,19 | 12,5 | 9,8 | 6300 | 7500 |
| 1000816 | 61816 | 80 | 100 | 10 | | 0,22 | 12,4 | 9,8 | 6000 | 7100 |
| 1000817 | 61817 | 85 | 110 | 13 | | 0,29 | 19 | 15 | 5600 | 6700 |
| 1000818 | 61818 | 90 | 115 | 13 | | 0,3 | 19,5 | 15,6 | 5300 | 6300 |
| 1000819 | 61819 | 95 | 120 | 13 | | 0,32 | 19,7 | 17,4 | 5000 | 6000 |
| 1000820 | 61820 | 100 | 125 | 13 | | 0,34 | 19,9 | 17 | 4800 | 5600 |
| 1000821 | 61821 | 105 | 130 | 13 | | 0,45 | 20,8 | 18 | 4800 | 5600 |
| 1000822 | 61822 | 110 | 140 | 16 | | 0,6 | 28,1 | 23,5 | 4300 | 5300 |
| 1000824 | 61824 | 120 | 150 | 16 | | 0,65 | 29,1 | 25,5 | 4000 | 4800 |
| 1000826 | 61826 | 130 | 165 | 18 | | 0,93 | 37,7 | 32,5 | 3600 | 4300 |
| 1000828 | 61828 | 140 | 175 | 18 | | 1,08 | 38 | 35,5 | 1900 | 4000 |
| 1000830 | 61830 | 150 | 190 | 20 | | 1,43 | 48,8 | 43 | 3200 | 3800 |
| 1000832 | 61832 | 160 | 200 | 20 | | 1,49 | 49,4 | 45,5 | 2600 | 3200 |
| 1000834 | 61834 | 170 | 215 | 22 | | 2 | 61,8 | 56 | 2600 | 3200 |
| 1000836 | 61836 | 180 | 225 | 22 | | 2,03 | 62,4 | 57 | 2400 | 3000 |
| 1000838 | 61838 | 190 | 240 | 24 | | 2,6 | 74,1 | 69,5 | 2200 | 2800 |
| 1000840 | 61840 | 200 | 250 | 24 | | 2,7 | 76,1 | 72 | 2200 | 2800 |
| 1000844 | 61844 | 220 | 270 | 24 | | 3 | 78 | 78 | 1900 | 2400 |
| 1000848 | 61848 | 240 | 300 | 28 | | 4,5 | 108 | 106 | 1800 | 2200 |
| 1000852 | 61852 | 260 | 320 | 28 | | 4,8 | 111 | 114 | 1700 | 2000 |
| 1000856 | 61856 | 280 | 350 | 33 | | 7,4 | 138 | 140 | 1600 | 1900 |
| 1000860 | 61860 | 300 | 380 | 38 | | 10,5 | 172 | 173 | 1400 | 1700 |
| 1000864 | 61864 | 320 | 400 | 38 | | 11,8 | 174 | 182 | 1300 | 1600 |
| 1000868 | 61868 | 340 | 420 | 38 | | 12 | 178 | 196 | 1200 | 1500 |
| 1000872 | 61872 | 360 | 440 | 38 | | 11,8 | 192 | 290 | 1100 | 1300 |
| 1000876 | 61876 | 380 | 480 | 46 | | 20 | 247 | 280 | 1000 | 1300 |
| 1000880 | 61880 | 400 | 500 | 46 | | 21 | 242 | 403 | 1000 | 1200 |
| 1000884 | 61884 | 420 | 520 | 46 | | 21,5 | 245 | 420 | 980 | 1250 |
| 1000888 | 61888 | 440 | 540 | 46 | | 22 | 245 | 445 | 870 | 1000 |
| 1000892 | 61892 | 460 | 580 | 56 | | 36,3 | 319 | 409 | 900 | 1100 |
| 1000896 | 61896 | 480 | 600 | 56 | | 35,4 | 315 | 575 | 870 | 1100 |
| 10008/500 | 618/500 | 500 | 620 | 56 | | 37,3 | 315 | 465 | 800 | 950 |
| 10008/530 | 618/530 | 530 | 650 | 56 | | 41,1 | 315 | 480 | 750 | 900 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

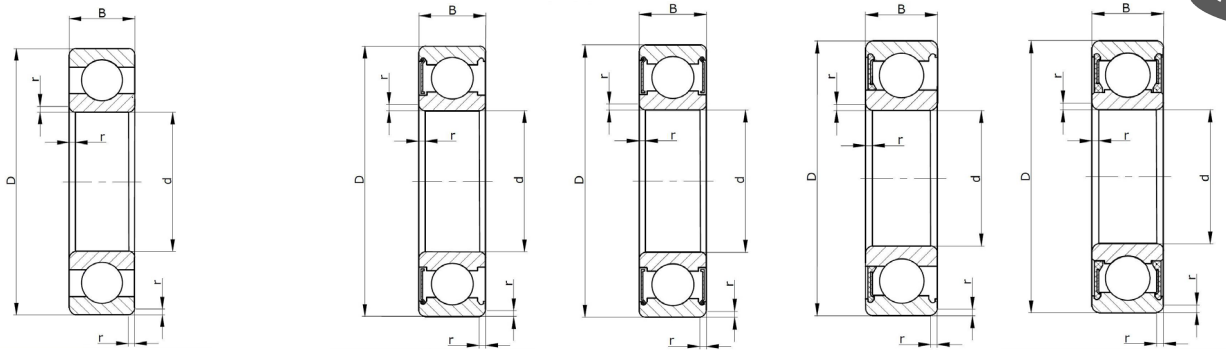
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 10008/560 | 618/560 | 560 | 680 | 56 | | 42,1 | 328 | 525 | 700 | 850 |
| 10008/600 | 618/600 | 600 | 730 | 60 | | 52,7 | 345 | 710 | 670 | 800 |
| 10008/630 | 618/630 | 630 | 780 | 69 | | 65,7 | 420 | 760 | 630 | 750 |
| 10008/670 | 618/670 | 670 | 820 | 69 | | 80,8 | 420 | 780 | 560 | 670 |
| 10008/710 | 618/710 | 710 | 870 | 74 | | 96,1 | 451 | 905 | 530 | 630 |
| 10008/750 | 618/750 | 750 | 920 | 78 | | 110 | 515 | 1240 | 480 | 610 |
| 10008/800 | 618/800 | 800 | 980 | 82 | | 132 | 545 | 1360 | 430 | 510 |
| 10008/850 | 618/850 | 850 | 1030 | 82 | | 144 | 555 | 1310 | 450 | 530 |
| 10008/900 | 618/900 | 900 | 1090 | 85 | | 155 | 600 | 1430 | 380 | 450 |
| 10008/950 | 618/950 | 950 | 1150 | 90 | | 188 | 663 | 1620 | 360 | 430 |
| 10008/1000 | 618/1000 | 1000 | 1220 | 100 | | 230 | 635 | 1720 | 340 | 400 |
| 10008/1060 | 618/1060 | 1060 | 1280 | 100 | | 265 | 710 | 2140 | 310 | 350 |
| 10008/1120 | 618/1120 | 1120 | 1360 | 106 | | 310 | 725 | 2180 | 290 | 350 |
| 10008/1180 | 618/1180 | 1180 | 1420 | 106 | | 310 | 920 | 2580 | 320 | 360 |
| 10008/1240 | 618/1240 | 1240 | 1480 | 112 | | 356 | 930 | 2660 | 300 | 340 |
| 10008/1250 | 618/1250 | 1250 | 1500 | 112 | | 390 | 830 | 2740 | 210 | 270 |
| 10008/1320 | 618/1320 | 1320 | 1600 | 122 | | 512 | 955 | 2830 | 200 | 260 |
| 10008/1400 | 618/1400 | 1400 | 1700 | 132 | | 620 | 1070 | 3980 | 190 | 230 |
| 10008/1500 | 618/1500 | 1500 | 1820 | 140 | | 695 | 1190 | 4310 | 170 | 210 |
| 10008/1600 | 618/1600 | 1600 | 1950 | 155 | | 975 | 1240 | 4750 | 150 | 180 |
| 10008/1700 | 618/1700 | 1700 | 2060 | 160 | | 1110 | 1240 | 4950 | 130 | 160 |
| | | | | | | | | | | |
| 1000900 | 61900 | 10 | 22 | 6 | | 0,009 | 3,34 | 1,35 | 32000 | 38000 |
| 1000901 | 61901 | 12 | 24 | 6 | | 0,01 | 3,39 | 1,35 | 30000 | 36000 |
| 1000902 | 61902 | 15 | 28 | 7 | | 0,017 | 3,48 | 1,48 | 26000 | 30000 |
| 1000903 | 61903 | 17 | 30 | 7 | | 0,018 | 3,64 | 1,65 | 24000 | 28000 |
| 1000904 | 61904 | 20 | 37 | 9 | | 0,035 | 6,55 | 3,04 | 19000 | 22000 |
| 1000905 | 61905 | 25 | 42 | 9 | | 0,042 | 7,32 | 3,68 | 16000 | 19000 |
| 1000906 | 61906 | 30 | 47 | 9 | | 0,049 | 7,59 | 3,99 | 14000 | 17000 |
| 1000907 | 61907 | 35 | 55 | 10 | | 0,086 | 10,4 | 5,65 | 12000 | 15000 |
| 1000908 | 61908 | 40 | 62 | 12 | | 0,11 | 12,2 | 6,92 | 11000 | 13000 |
| 1000909 | 61909 | 45 | 68 | 12 | | 0,15 | 14,3 | 8,13 | 9500 | 12000 |
| 1000910 | 61910 | 50 | 72 | 12 | | 0,18 | 14,5 | 9,7 | 9000 | 11000 |
| 1000911 | 61911 | 55 | 80 | 13 | | 0,19 | 16 | 10 | 8000 | 9500 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

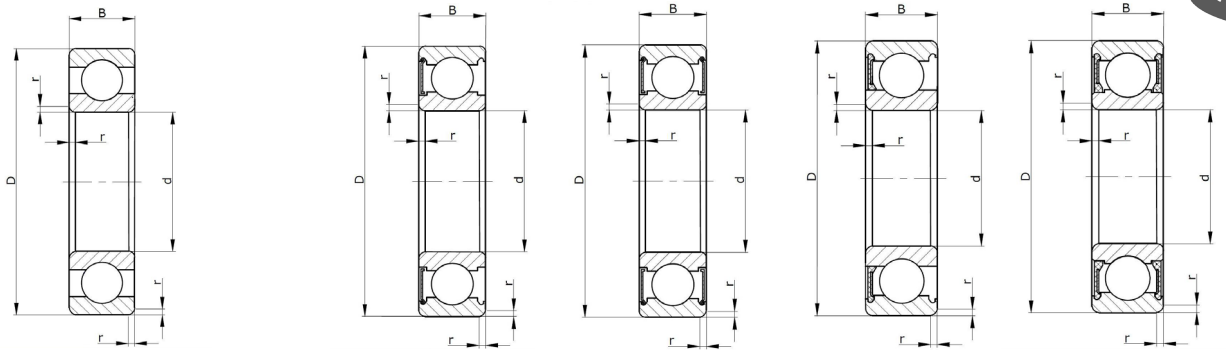
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000912 | 61912 | 60 | 85 | 13 | | 0,26 | 16,4 | 10,6 | 7500 | 9000 |
| 1000913 | 61913 | 65 | 90 | 13 | | 0,3 | 17,4 | 11,9 | 7100 | 8500 |
| 1000914 | 61914 | 70 | 100 | 16 | | 0,32 | 23,73 | 17,3 | 6300 | 7500 |
| 1000915 | 61915 | 75 | 105 | 16 | | 0,38 | 24,3 | 16,8 | 6000 | 7100 |
| 1000916 | 61916 | 80 | 110 | 16 | | 0,43 | 27,5 | 18,9 | 5600 | 6700 |
| 1000917 | 61917 | 75 | 120 | 18 | | 0,7 | 31,9 | 22,2 | 5300 | 6300 |
| 1000918 | 61918 | 90 | 125 | 18 | | 0,73 | 32,9 | 23,5 | 5000 | 6000 |
| 1000919 | 61919 | 95 | 130 | 18 | | 0,76 | 32,9 | 23,5 | 4800 | 5600 |
| 1000920 | 61920 | 100 | 140 | 20 | | 1,02 | 44,9 | 32 | 4500 | 5300 |
| 1000921 | 61921 | 105 | 145 | 20 | | 1,05 | 46,5 | 33,5 | 4500 | 5300 |
| 1000922 | 61922 | 110 | 150 | 20 | | 1,1 | 46,5 | 33,5 | 4300 | 5000 |
| 1000924 | 61924 | 120 | 165 | 22 | | 1,4 | 53,3 | 40 | 3800 | 4500 |
| 1000926 | 61926 | 130 | 180 | 24 | | 1,9 | 65,3 | 50 | 3400 | 4000 |
| 1000928 | 61928 | 140 | 190 | 24 | | 2,1 | 66,6 | 53 | 3200 | 3800 |
| 1000930 | 61930 | 150 | 210 | 28 | | 3,05 | 85 | 90 | 2800 | 3200 |
| 1000932 | 61932 | 160 | 220 | 28 | | 3,7 | 85 | 67 | 2500 | 3100 |
| 1000934 | 61934 | 170 | 230 | 28 | | 4 | 88,9 | 75 | 2400 | 3000 |
| 1000936 | 61936 | 180 | 250 | 33 | | 4,9 | 114 | 95 | 2200 | 2800 |
| 1000938 | 61938 | 190 | 260 | 33 | | 5,2 | 117 | 100 | 2200 | 2800 |
| 1000940 | 61940 | 200 | 280 | 38 | | 7,7 | 148 | 125 | 2000 | 2600 |
| 1000944 | 61944 | 220 | 300 | 38 | | 8,1 | 153 | 132 | 1900 | 2400 |
| 1000948 | 61948 | 240 | 320 | 38 | | 9,6 | 157 | 146 | 1800 | 2200 |
| 1000952 | 61952 | 260 | 360 | 46 | | 14,5 | 212 | 200 | 1600 | 1900 |
| 1000956 | 61956 | 280 | 380 | 46 | | 15 | 216 | 212 | 1500 | 1800 |
| 1000960 | 61960 | 300 | 420 | 56 | | 24 | 270 | 280 | 1400 | 1700 |
| 1000964 | 61964 | 320 | 440 | 56 | | 25,5 | 277 | 294 | 1300 | 1600 |
| 1000968 | 61968 | 340 | 460 | 56 | | 27 | 293 | 320 | 1100 | 1400 |
| 1000972 | 61972 | 360 | 480 | 56 | | 27,9 | 280 | 425 | 1100 | 1300 |
| 1000976 | 61976 | 380 | 520 | 65 | | 39,8 | 345 | 550 | 1000 | 1300 |
| 1000980 | 61980 | 400 | 540 | 65 | | 43,6 | 355 | 585 | 950 | 1200 |
| 1000984 | 61984 | 420 | 560 | 65 | | 41,9 | 335 | 520 | 900 | 1100 |
| 1000988 | 61988 | 440 | 600 | 74 | | 60,5 | 390 | 650 | 900 | 1100 |
| 1000992 | 61992 | 460 | 620 | 72 | | 63 | 410 | 765 | 870 | 1100 |
| 1000996 | 61996 | 480 | 650 | 78 | | 74,1 | 417 | 743 | 800 | 950 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

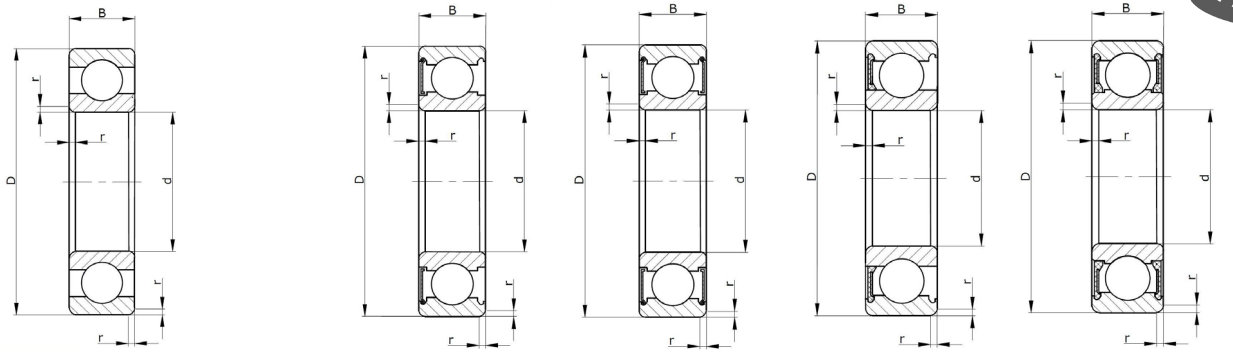
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 10009/500 | 619/500 | 500 | 660 | 75 | | 68,8 | 440 | 720 | 750 | 900 |
| 10009/530 | 619/530 | 530 | 710 | 82 | | 91,6 | 468 | 885 | 700 | 850 |
| 10009/560 | 619/560 | 560 | 750 | 85 | | 110 | 475 | 925 | 670 | 800 |
| 10009/600 | 619/600 | 600 | 800 | 90 | | 125 | 585 | 1220 | 670 | 800 |
| 10009/630 | 619/630 | 630 | 850 | 100 | | 163 | 610 | 1330 | 600 | 710 |
| 10009/670 | 619/670 | 670 | 900 | 103 | | 194 | 670 | 1450 | 530 | 630 |
| 10009/710 | 619/710 | 710 | 950 | 106 | | 218 | 645 | 1510 | 500 | 610 |
| 10009/750 | 619/750 | 750 | 1000 | 112 | | 260 | 745 | 1790 | 490 | 570 |
| 10009/800 | 619/800 | 800 | 1060 | 115 | | 280 | 815 | 2100 | 430 | 500 |
| 10009/850 | 619/850 | 850 | 1120 | 118 | | 315 | 815 | 2150 | 400 | 480 |
| 10009/900 | 619/900 | 900 | 1180 | 122 | | 355 | 830 | 2270 | 360 | 440 |
| 10009/950 | 619/950 | 950 | 1250 | 132 | | 395 | 985 | 2850 | 330 | 410 |
| 10009/1000 | 619/1000 | 1000 | 1320 | 140 | | 525 | 985 | 2880 | 330 | 380 |
| 10009/1060 | 619/1060 | 1060 | 1400 | 150 | | 615 | 985 | 3030 | 290 | 330 |
| 10009/1120 | 619/1120 | 1120 | 1460 | 150 | | 640 | 1010 | 3070 | 270 | 330 |
| 10009/1180 | 619/1180 | 1180 | 1540 | 160 | | 765 | 1115 | 3630 | 210 | 270 |
| 10009/1400 | 619/1400 | 1400 | 1820 | 185 | | 1260 | 1550 | 5520 | 180 | 230 |
| 10009/1500 | 619/1500 | 1500 | 1950 | 195 | | 1515 | 1680 | 6220 | 160 | 190 |
| 10009/1600 | 619/1600 | 1600 | 2060 | 200 | | 1660 | 1820 | 6880 | 140 | 170 |
| 10009/1700 | 619/1700 | 1700 | 2180 | 212 | | 1930 | 1950 | 7680 | 120 | 150 |
| | | | | | | | | | | |
| 7000101 | 16001 | 12 | 28 | 7 | | 0,02 | 5,07 | 2,24 | 26000 | 32000 |
| 7000102 | 16002 | 15 | 32 | 8 | | 0,027 | 5,59 | 2,5 | 22000 | 28000 |
| 7000103 | 16003 | 17 | 35 | 8 | | 0,032 | 6,05 | 2,8 | 19000 | 24000 |
| 7000104 | 16004 | 20 | 42 | 8 | | 0,05 | 7,02 | 3,4 | 17000 | 20000 |
| 7000105 | 16005 | 25 | 47 | 8 | | 0,053 | 7,61 | 4 | 15000 | 18000 |
| 7000106 | 16006 | 30 | 55 | 9 | | 0,087 | 11,2 | 5,85 | 12000 | 15000 |
| 7000107 | 16007 | 35 | 62 | 9 | | 0,111 | 12,4 | 6,95 | 10000 | 13000 |
| 7000108 | 16008 | 40 | 68 | 9 | | 0,125 | 13,3 | 7,8 | 9500 | 12000 |
| 7000109 | 16009 | 45 | 75 | 10 | | 0,17 | 15,6 | 9,3 | 9000 | 11000 |
| 7000110 | 16010 | 50 | 80 | 10 | | 0,188 | 16,3 | 10 | 8500 | 10000 |
| 7000111 | 16011 | 55 | 90 | 11 | | 0,26 | 17 | 11,7 | 7500 | 9000 |
| 7000112 | 16012 | 60 | 95 | 11 | | 0,28 | 18,6 | 12,4 | 6700 | 8000 |
| 7000113 | 16013 | 65 | 100 | 11 | | 0,3 | 19 | 13,1 | 6300 | 7500 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
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**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

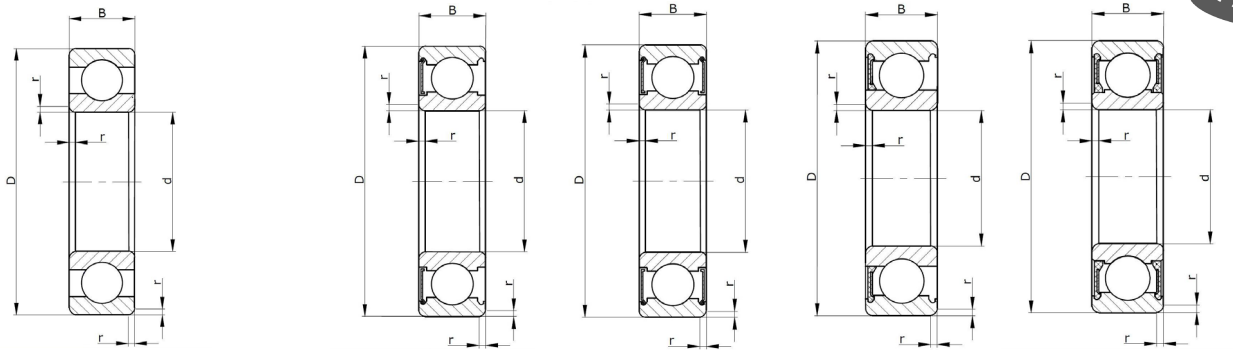
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7000114 | 16014 | 70 | 110 | 13 | | 0,433 | 22,2 | 15,3 | 6000 | 7000 |
| 7000115 | 16015 | 75 | 115 | 13 | | 0,457 | 28,6 | 20 | 5600 | 6700 |
| 7000116 | 16016 | 80 | 125 | 14 | | 0,597 | 33,2 | 23,6 | 5600 | 6700 |
| 7000117 | 16017 | 85 | 130 | 14 | | 0,626 | 33,8 | 25 | 5000 | 6000 |
| 7000118 | 16018 | 90 | 140 | 16 | | 0,848 | 41,6 | 29 | 4800 | 5600 |
| 7000119 | 16019 | 95 | 145 | 16 | | 0,885 | 42,3 | 31,5 | 4500 | 5300 |
| 7000120 | 16020 | 100 | 150 | 16 | | 0,91 | 44,2 | 32,5 | 5000 | 5600 |
| 7000121 | 16021 | 105 | 160 | 18 | | 1,2 | 52 | 38 | 4000 | 4800 |
| 7000122 | 16022 | 110 | 170 | 19 | | 1,46 | 57,2 | 42,5 | 3800 | 4500 |
| 7000124 | 16024 | 120 | 180 | 19 | | 1,8 | 61,8 | 47,5 | 3400 | 4000 |
| 7000126 | 16026 | 130 | 200 | 22 | | 2,69 | 79,3 | 61 | 3200 | 3800 |
| 7000128 | 16028 | 140 | 210 | 22 | | 2,86 | 80,6 | 64 | 3000 | 3600 |
| 7000130 | 16030 | 150 | 225 | 24 | | 3,58 | 92,3 | 73,5 | 2600 | 3200 |
| 7000132 | 16032 | 160 | 240 | 25 | | 3,6 | 99,5 | 80 | 2400 | 3000 |
| 7000134 | 16034 | 170 | 260 | 28 | | 5,77 | 119 | 96,5 | 2200 | 2800 |
| 7000136 | 16036 | 180 | 280 | 31 | | 7,6 | 138 | 112 | 2000 | 2600 |
| 7000138 | 16038 | 190 | 290 | 31 | | 7,89 | 148 | 125 | 2000 | 2600 |
| 7000140 | 16040 | 200 | 310 | 34 | | 10,1 | 168 | 143 | 1900 | 2400 |
| 7000144 | 16044 | 220 | 340 | 37 | | 13,5 | 174 | 153 | 1700 | 2000 |
| 7000148 | 16048 | 240 | 360 | 37 | | 14,5 | 178 | 160 | 1600 | 1900 |
| 7000152 | 16052 | 260 | 400 | 44 | | 21,5 | 238 | 232 | 1500 | 1800 |
| 7000156 | 16056 | 280 | 420 | 44 | | 23 | 242 | 245 | 1400 | 1700 |
| 7000160 | 16060 | 300 | 460 | 50 | | 31,5 | 285 | 405 | 1200 | 1400 |
| 7000164 | 16064 | 320 | 480 | 50 | | 33,2 | 293 | 430 | 1100 | 1300 |
| 7000168 | 16068 | 340 | 520 | 57 | | 46 | 335 | 520 | 950 | 1200 |
| 7000172 | 16072 | 360 | 540 | 57 | | 50 | 340 | 540 | 1000 | 1200 |
| 7000176 | 16076 | 380 | 560 | 57 | | 51 | 377 | 620 | 1000 | 1200 |
| 70001/800 | 160/800X2 | 800 | 1150 | 115 | | 427 | 950 | 2080 | 500 | 550 |
| | | | | | | | | | | |
| 7000804 | 60804 | 20 | 32 | 4 | | 0,12 | 1,34 | 0,981 | 20000 | 26000 |
| 7000805 | 60805 | 25 | 37 | 4 | | 0,0163 | 1,21 | 0,883 | 16000 | 20000 |
| 7000806 | 60806 | 30 | 42 | 4 | | 0,0192 | 1,4 | 1,18 | 13000 | 16000 |
| 7000807 | 60807 | 35 | 47 | 4 | | 0,0206 | 1,34 | 1,18 | 13000 | 16000 |
| 7000808 | 60808 | 40 | 52 | 4 | | 0,024 | 1,17 | 1,981 | 10000 | 13000 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
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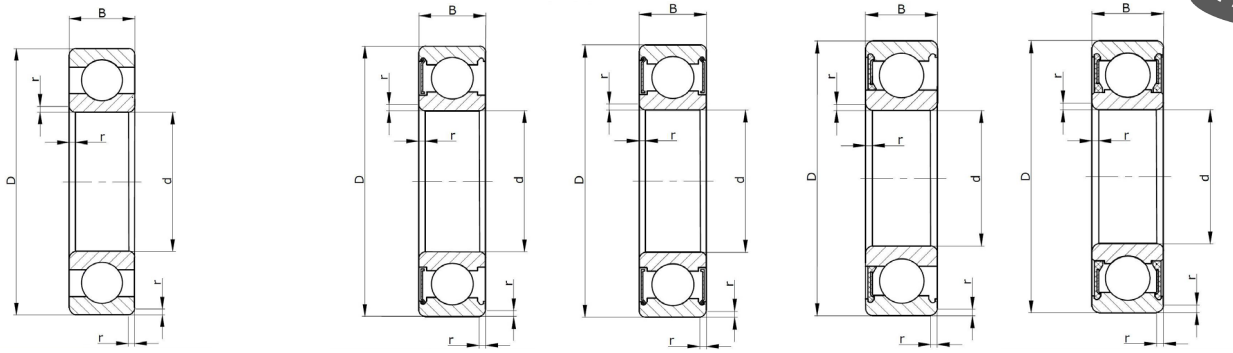
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7000811 | 60811 | 55 | 72 | 7 | | 0,078 | 3,61 | 3,7 | 8000 | 10000 |
| 7000824 | 60824 | 120 | 150 | 10 | | 0,425 | - | - | - | - |
| 7000834 | 60834 | 170 | 215 | 14 | | 1,33 | 21,9 | 31,7 | 2600 | 3200 |
| 7000872 | 60872 | 360 | 440 | 25 | | 6,5 | 118 | 210 | 1130 | 1450 |
| 7000880 | 60880 | 400 | 500 | 31 | | 15 | 159 | 277 | 1000 | 1200 |
| 7000888 | 60888 | 440 | 540 | 31 | | 16,5 | 155 | 285 | 870 | 1000 |
| 70008/500 | 608/500 | 500 | 620 | 37 | | 20 | 220 | 445 | 800 | 950 |
| 70008/560 | 608/560 | 560 | 680 | 37 | | 30 | 220 | 460 | 710 | 860 |
| 70008/600 | 608/600 | 600 | 730 | 42 | | 41 | 260 | 550 | 670 | 800 |
| 70008/630 | 608/630 | 630 | 780 | 48 | | 41 | 355 | 765 | 640 | 760 |
| 70008/800 | 608/800 | 800 | 980 | 57 | | 100 | 390 | 990 | 430 | 510 |
| 70008/850 | 608/850 | 850 | 1030 | 57 | | 75 | 385 | 1000 | 450 | 500 |
| 70008/1000 | 608/1000 | 1000 | 1220 | 71 | | 175 | 540 | 1550 | 350 | 400 |
| | | | | | | | | | | |
| 7000904 | 60904 | 20 | 42 | 8 | | 0,042 | 8,4 | 4,3 | 16000 | 20000 |
| 7000910 | 60910 | 50 | 72 | 8 | | 0,0977 | 9,5 | 6,45 | 8000 | 10000 |
| 7000964 | 60964 | 320 | 440 | 37 | | 15,5 | 210 | 305 | 1200 | 1400 |
| 7000976 | 60976 | 380 | 520 | 44 | | 31,2 | 255 | 297 | 980 | 1250 |
| 7000980 | 60980 | 400 | 540 | 44 | | 27,5 | 258 | 435 | 950 | 1100 |
| 7000988 | 60988 | 440 | 600 | 50 | | 41 | 305 | 550 | 870 | 1000 |
| 70009/530 | 609/530 | 530 | 710 | 57 | | 60 | 410 | 810 | 690 | 840 |
| 70009/630 | 609/630 | 630 | 850 | 71 | | 112 | 475 | 1050 | 600 | 710 |
| 70009/670 | 609/670 | 670 | 900 | 73 | | 143 | 540 | 1210 | 580 | 700 |
| 70009/710 | 609/710 | 710 | 950 | 78 | | 148 | 545 | 1280 | 500 | 610 |
| 70009/1000 | 609/1000 | 1000 | 1320 | 103 | | 405 | 800 | 2340 | 330 | 380 |
| 70009/1320 | 609/1320 | 1320 | 1720 | 128 | | 835 | 1180 | 4060 | 190 | 230 |
| | | | | | | | | | | |
| 60017 | 607 Z | 7 | 19 | 6 | | 0,01 | 2,2 | 1,16 | 34000 | 40000 |
| 60018 | 608 Z | 8 | 22 | 7 | | 0,015 | 3,25 | 1,34 | 32000 | 32000 |
| 60019 | 609 Z | 9 | 24 | 7 | | 0,018 | 3,71 | 1,54 | 32000 | 38000 |
| 60023 | 623 Z | 3 | 10 | 4 | | 0,002 | 0,49 | 0,217 | 40000 | 48000 |
| 60024 | 624 Z | 4 | 13 | 5 | | 0,004 | 0,9 | 0,415 | 38000 | 45000 |
| 60025 | 625 Z | 5 | 16 | 5 | | 0,006 | 1,48 | 0,74 | 36000 | 43000 |
| 60026 | 626 Z | 6 | 19 | 6 | | 0,01 | 2,17 | 1,16 | 32000 | 38000 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
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| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
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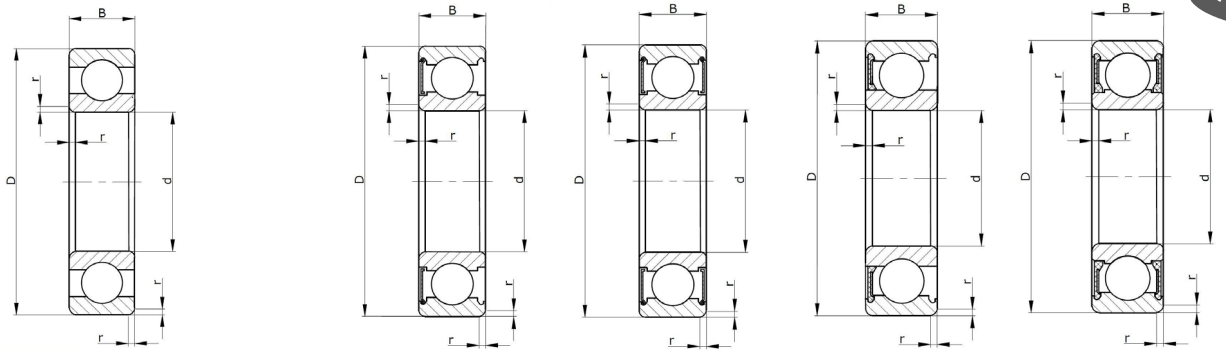
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 60027 | 627 Z | 7 | 22 | 7 | | 0,012 | 3,25 | 1,35 | 30000 | 36000 |
| 60028 | 628 Z | 8 | 24 | 8 | | 0,019 | 3,334 | 1,363 | 28000 | 34000 |
| 60029 | 629 Z | 9 | 26 | 8 | | 0,02 | 4,62 | 1,96 | 28000 | 34000 |
| 60034 | 634 Z | 4 | 16 | 5 | | 0,005 | 1,45 | 0,74 | 36000 | 43000 |
| 60035 | 635 Z | 5 | 19 | 6 | | 0,009 | 2,19 | 1,16 | 32000 | 40000 |
| | | | | | | | | | | |
| 60100 | 6000 Z | 10 | 26 | 8 | | 0,02 | 4,62 | 1,96 | 30000 | 36000 |
| 60101 | 6001 Z | 12 | 28 | 8 | | 0,022 | 5,07 | 2,24 | 26000 | 32000 |
| 60102 | 6002 Z | 15 | 32 | 9 | | 0,031 | 5,59 | 2,5 | 22000 | 28000 |
| 60103 | 6003 Z | 17 | 35 | 10 | | 0,04 | 6,05 | 2,8 | 19000 | 24000 |
| 60104 | 6004 Z | 20 | 42 | 12 | | 0,07 | 9,36 | 4,5 | 17000 | 20000 |
| 60105 | 6005 Z | 25 | 47 | 12 | | 0,081 | 11,2 | 5,6 | 15000 | 18000 |
| 60106 | 6006 Z | 30 | 55 | 13 | | 0,119 | 13,3 | 6,8 | 12000 | 15000 |
| 60107 | 6007 Z | 35 | 62 | 14 | | 0,159 | 15,9 | 8,5 | 10000 | 13000 |
| 60108 | 6008 Z | 40 | 68 | 15 | | 0,195 | 16,8 | 9,3 | 9500 | 12000 |
| 60109 | 6009 Z | 45 | 75 | 16 | | 0,249 | 21,2 | 12,2 | 9000 | 11000 |
| 60110 | 6010 Z | 50 | 80 | 16 | | 0,264 | 21,6 | 13,2 | 8500 | 10000 |
| 60111 | 6011 Z | 55 | 90 | 18 | | 0,39 | 28,1 | 17 | 7500 | 9000 |
| 60112 | 6012 Z | 60 | 95 | 18 | | 0,42 | 29,6 | 18,3 | 6700 | 8000 |
| 60113 | 6013 Z | 65 | 100 | 18 | | 0,44 | 30,7 | 19,6 | 6300 | 7500 |
| 60114 | 6014 Z | 70 | 110 | 20 | | 0,618 | 37,7 | 24,5 | 6000 | 7000 |
| 60115 | 6015 Z | 75 | 115 | 20 | | 0,64 | 39,7 | 34 | 5600 | 6700 |
| 60116 | 6016 Z | 80 | 125 | 22 | | 0,86 | 47,7 | 31,5 | 5600 | 6700 |
| 60117 | 6017 Z | 85 | 130 | 22 | | 0,89 | 49,4 | 33,5 | 5000 | 6000 |
| 60118 | 6018 Z | 90 | 140 | 24 | | 1,16 | 57,2 | 39 | 4800 | 5600 |
| 60120 | 6020 Z | 100 | 150 | 24 | | 1,25 | 60,5 | 41,5 | 4300 | 5000 |
| 60121 | 6021 Z | 105 | 160 | 26 | | 1,6 | 81,9 | 57 | 4000 | 4800 |
| 60122 | 6022 Z | 110 | 170 | 28 | | 2,39 | 85,2 | 61 | 3800 | 4500 |
| | | | | | | | | | | |
| 60200 | 6200 Z | 10 | 30 | 9 | | 0,032 | 5,9 | 2,65 | 24000 | 30000 |
| 60201 | 6201 Z | 12 | 32 | 10 | | 0,037 | 6,89 | 3,1 | 22000 | 28000 |
| 60202 | 6202 Z | 15 | 35 | 11 | | 0,045 | 7,8 | 3,55 | 19000 | 24000 |
| 60203 | 6203 Z | 17 | 40 | 12 | | 0,065 | 9,56 | 4,5 | 17000 | 20000 |
| 60204 | 6204 Z | 20 | 47 | 14 | | 0,107 | 12,7 | 6,2 | 15000 | 18000 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

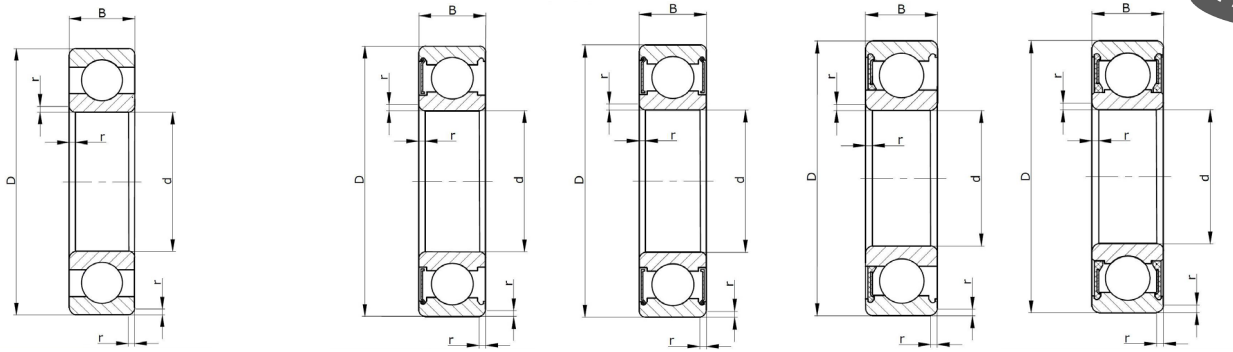
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 60205 | 6205 Z | 25 | 52 | 15 | | 0,128 | 14 | 6,95 | 12000 | 15000 |
| 60206 | 6206 Z | 30 | 62 | 16 | | 0,201 | 19,5 | 10 | 10000 | 13000 |
| 60207 | 6207 Z | 35 | 72 | 17 | | 0,29 | 25,5 | 13,7 | 9000 | 11000 |
| 60208 | 6208 Z | 40 | 80 | 18 | | 0,367 | 32 | 17,8 | 8500 | 10000 |
| 60209 | 6209 Z | 45 | 85 | 19 | | 0,41 | 33,2 | 18,6 | 7500 | 9000 |
| 60210 | 6210 Z | 50 | 90 | 20 | | 0,464 | 35,1 | 19,8 | 7000 | 8500 |
| 60211 | 6211 Z | 55 | 100 | 21 | | 0,611 | 43,6 | 25 | 6300 | 7500 |
| 60212 | 6212 Z | 60 | 110 | 22 | | 0,787 | 52 | 31 | 6000 | 7000 |
| 60213 | 6213 Z | 65 | 120 | 23 | | 0,995 | 56 | 34 | 5300 | 6300 |
| 60214 | 6214 Z | 70 | 125 | 24 | | 1,09 | 61,8 | 37,5 | 5000 | 6000 |
| 60215 | 6215 Z | 75 | 130 | 25 | | 1,19 | 66,3 | 41 | 4800 | 5600 |
| 60216 | 6216 Z | 80 | 140 | 26 | | 1,41 | 70,2 | 45 | 4500 | 5300 |
| 60217 | 6217 Z | 85 | 150 | 28 | | 1,79 | 83,2 | 53 | 4300 | 5000 |
| 60218 | 6218 Z | 90 | 160 | 30 | | 2,16 | 95,6 | 62 | 3000 | 4500 |
| 60219 | 6219Z | 95 | 170 | 32 | | 2,61 | 108 | 69,5 | 3600 | 4300 |
| 60220 | 6220 Z | 100 | 180 | 34 | | 3,16 | 124 | 79 | 3400 | 4000 |
| 60222 | 6222 Z | 110 | 200 | 38 | | 4,52 | 146 | 100 | 2800 | 3400 |
| 60224 | 6224 Z | 120 | 215 | 40 | | 5,22 | 156 | 112 | 2800 | 3400 |
| 60226 | 6226 Z | 130 | 230 | 40 | | 5,85 | 156 | 112 | 2600 | 3200 |
| 60228 | 6228 Z | 140 | 250 | 42 | | 7,5 | 165 | 122 | 2400 | 3000 |
| | | | | | | | | | | |
| 60300 | 6300 Z | 10 | 35 | 11 | | 0,053 | 8,06 | 3,75 | 20000 | 26000 |
| 60301 | 6301 Z | 12 | 37 | 12 | | 0,06 | 9,75 | 4,65 | 19000 | 24000 |
| 60302 | 6302 Z | 15 | 42 | 13 | | 0,082 | 11,4 | 5,4 | 17000 | 20000 |
| 60303 | 6303 Z | 17 | 47 | 14 | | 0,116 | 13,5 | 6,65 | 16000 | 19000 |
| 60304 | 6304 Z | 20 | 52 | 15 | | 0,144 | 15,9 | 7,8 | 13000 | 16000 |
| 60305 | 6305 Z | 25 | 62 | 17 | | 0,232 | 22,5 | 11,4 | 11000 | 14000 |
| 60306 | 6306 Z | 30 | 72 | 19 | | 0,35 | 28,1 | 14,6 | 9000 | 11000 |
| 60307 | 6307 Z | 35 | 80 | 21 | | 0,46 | 33,2 | 18 | 8500 | 10000 |
| 60308 | 6308 Z | 40 | 90 | 23 | | 0,635 | 41 | 22,4 | 7500 | 9000 |
| 60309 | 6309 Z | 45 | 100 | 25 | | 0,833 | 52,7 | 30 | 6700 | 8000 |
| 60310 | 6310 Z | 50 | 110 | 27 | | 1,075 | 61,8 | 36 | 6300 | 7500 |
| 60311 | 6311 Z | 55 | 120 | 29 | | 1,38 | 71,5 | 41,5 | 5600 | 6700 |
| 60312 | 6312 Z | 60 | 130 | 31 | | 1,72 | 81,9 | 48 | 5000 | 6000 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

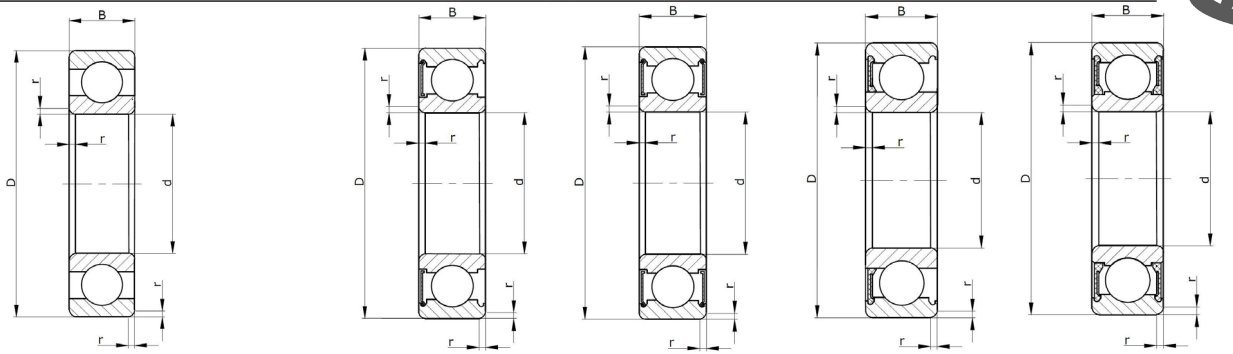
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 60313 | 6313 Z | 65 | 140 | 33 | | 2,1 | 92,3 | 56 | 4800 | 5600 |
| 60314 | 6314 Z | 70 | 150 | 35 | | 2,53 | 104 | 63 | 4500 | 5300 |
| 60315 | 6315 Z | 75 | 160 | 37 | | 3,03 | 112 | 72,5 | 4300 | 5000 |
| 60316 | 6316 Z | 80 | 170 | 39 | | 3,62 | 124 | 80 | 3800 | 4500 |
| 60317 | 6317 Z | 85 | 180 | 41 | | 4,26 | 133 | 90 | 3800 | 4500 |
| 60318 | 6318 Z | 90 | 190 | 43 | | 4,94 | 143 | 99 | 3400 | 4000 |
| 60320 | 6320 Z | 100 | 215 | 47 | | 7,01 | 174 | 132 | 2800 | 3600 |
| | | | | | | | | | | |
| 1060093 | 619/3 Z | 3 | 8 | 3 | | 0,0008 | 0,56 | 0,186 | 43000 | 50000 |
| 1060094 | 619/4 Z | 4 | 11 | 4 | | 0,0021 | 0,95 | 0,34 | 40000 | 48000 |
| 1060095 | 619/5 Z | 5 | 13 | 4 | | 0,0026 | 1,08 | 0,39 | 38000 | - |
| 1060096 | 619/6 Z | 6 | 15 | 5 | | 0,0041 | 1,47 | 0,555 | - | - |
| 1060097 | 619/7 Z | 7 | 17 | 5 | | 0,0051 | 2,02 | 0,77 | 36000 | 43000 |
| 1060098 | 619/8 Z | 8 | 19 | 6 | | 0,0081 | 2,24 | 0,88 | 34000 | 40000 |
| 1060099 | 619/9 Z | 9 | 20 | 6 | | 0,0083 | 2,68 | 1,05 | 32000 | 38000 |
| | | | | | | | | | | |
| 80017 | 607 ZZ | 7 | 19 | 6 | | 0,01 | 2,2 | 1,16 | 34000 | - |
| 80018 | 608 ZZ | 8 | 22 | 7 | | 0,015 | 3,25 | 1,34 | 32000 | - |
| 80019 | 609 ZZ | 9 | 24 | 7 | | 0,018 | 3,71 | 1,54 | 32000 | - |
| 80023 | 623 ZZ | 3 | 10 | 4 | | 0,002 | 0,49 | 0,217 | 40000 | - |
| 80024 | 624 ZZ | 4 | 13 | 5 | | 0,004 | 0,9 | 0,415 | 38000 | - |
| 80025 | 625 ZZ | 5 | 16 | 5 | | 0,006 | 1,48 | 0,74 | 36000 | - |
| 80026 | 626 ZZ | 6 | 19 | 6 | | 0,01 | 2,17 | 1,16 | 32000 | - |
| 80027 | 627 ZZ | 7 | 22 | 7 | | 0,012 | 3,25 | 1,35 | 30000 | - |
| 80028 | 628 ZZ | 8 | 24 | 8 | | 0,019 | 3,334 | 1,363 | 28000 | - |
| 80029 | 629 ZZ | 9 | 26 | 8 | | 0,02 | 4,62 | 1,96 | 28000 | - |
| 80034 | 634 ZZ | 4 | 16 | 5 | | 0,005 | 1,45 | 0,74 | 36000 | - |
| 80035 | 635 ZZ | 5 | 19 | 6 | | 0,009 | 2,19 | 1,16 | 32000 | - |
| 80085 | - | 5 | 10 | 3 | | - | - | - | - | - |
| | | | | | | | | | | |
| 80100 | 6000 ZZ | 10 | 26 | 8 | | 0,02 | 4,62 | 1,96 | 30000 | - |
| 80101 | 6001 ZZ | 12 | 28 | 8 | | 0,022 | 5,07 | 2,24 | 26000 | - |
| 80102 | 6002 ZZ | 15 | 32 | 9 | | 0,031 | 5,59 | 2,5 | 22000 | - |
| 80103 | 6003 ZZ | 17 | 35 | 10 | | 0,04 | 6,05 | 2,8 | 19000 | - |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

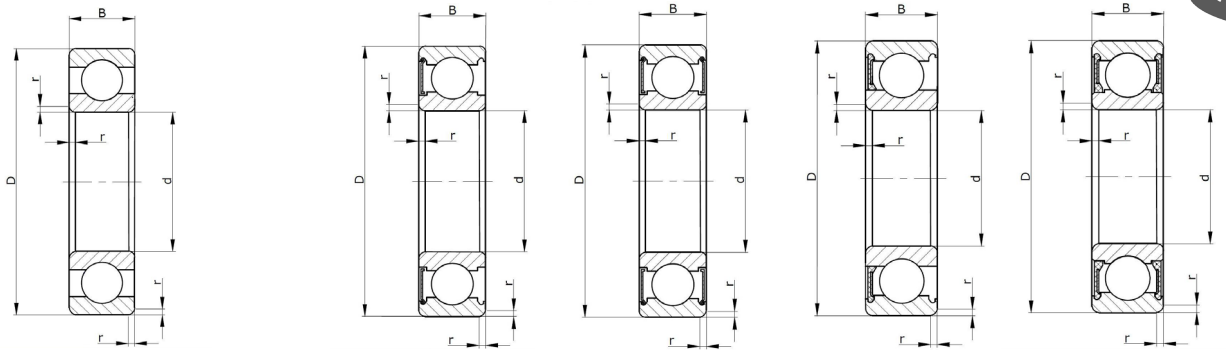
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 80104 | 6004 ZZ | 20 | 42 | 12 | | 0,07 | 9,36 | 4,5 | 17000 | - |
| 80105 | 6005 ZZ | 25 | 47 | 12 | | 0,081 | 11,2 | 5,6 | 15000 | - |
| 80106 | 6006 ZZ | 30 | 55 | 13 | | 0,119 | 13,3 | 6,8 | 12000 | - |
| 80107 | 6007 ZZ | 35 | 62 | 14 | | 0,159 | 15,9 | 8,5 | 10000 | - |
| 80108 | 6008 ZZ | 40 | 68 | 15 | | 0,195 | 16,8 | 9,3 | 9500 | - |
| 80109 | 6009 ZZ | 45 | 75 | 16 | | 0,249 | 21,2 | 12,2 | 9000 | - |
| 80110 | 6010 ZZ | 50 | 80 | 16 | | 0,264 | 21,6 | 13,2 | 8500 | - |
| 80111 | 6011 ZZ | 55 | 90 | 18 | | 0,39 | 28,1 | 17 | 7500 | - |
| 80112 | 6012 ZZ | 60 | 95 | 18 | | 0,42 | 29,6 | 18,3 | 6700 | - |
| 80113 | 6013 ZZ | 65 | 100 | 18 | | 0,44 | 30,7 | 19,6 | 6300 | - |
| 80114 | 6014 ZZ | 70 | 110 | 20 | | 0,618 | 37,7 | 24,5 | 6000 | - |
| 80115 | 6015 ZZ | 75 | 115 | 20 | | 0,64 | 39,7 | 34 | 5600 | - |
| 80116 | 6016 ZZ | 80 | 125 | 22 | | 0,86 | 47,7 | 31,5 | 5600 | - |
| 80117 | 6017 ZZ | 85 | 130 | 22 | | 0,89 | 49,4 | 33,5 | 5000 | - |
| 80118 | 6018 ZZ | 90 | 140 | 24 | | 1,16 | 57,2 | 39 | 4800 | - |
| 80120 | 6020 ZZ | 100 | 150 | 24 | | 1,25 | 60,5 | 41,5 | 4300 | - |
| 80121 | 6021 ZZ | 105 | 160 | 26 | | 1,66 | 81,9 | 57 | 4000 | - |
| 80122 | 6022 ZZ | 110 | 170 | 28 | | 2,39 | 85,2 | 61 | 3800 | - |
| 80124 | 6024 ZZ | 120 | 180 | 28 | | 2,12 | 85 | 61 | 3400 | - |
| 80134 | 6034 ZZ | 170 | 260 | 42 | | 6,89 | 161 | 161 | 2200 | - |
| 80136 | 6036 ZZ | 180 | 280 | 46 | | 8,88 | 180 | 185 | 2000 | - |
| 80138 | 6038 ZZ | 190 | 290 | 46 | | 9,39 | 188 | 201 | 2000 | - |
| 80140 | 6040 ZZ | 200 | 310 | 51 | | 12 | 207 | 226 | 1900 | - |
| 80144 | 6044 ZZ | 220 | 340 | 56 | | 18,6 | 235 | 271 | 1700 | - |
| | | | | | | | | | | |
| 80200 | 6200 ZZ | 10 | 30 | 9 | | 0,032 | 5,9 | 2,65 | 24000 | - |
| 80201 | 6201 ZZ | 12 | 32 | 10 | | 0,037 | 6,89 | 3,1 | 22000 | - |
| 80202 | 6202 ZZ | 15 | 35 | 11 | | 0,045 | 7,8 | 3,55 | 19000 | - |
| 80203 | 6203 ZZ | 17 | 40 | 12 | | 0,065 | 9,56 | 4,5 | 17000 | - |
| 80204 | 6204 ZZ | 20 | 47 | 14 | | 0,107 | 12,7 | 6,2 | 15000 | - |
| 80205 | 6205 ZZ | 25 | 52 | 15 | | 0,128 | 14 | 6,95 | 12000 | - |
| 80206 | 6206 ZZ | 30 | 62 | 16 | | 0,201 | 19,5 | 10 | 10000 | - |
| 80207 | 6207 ZZ | 35 | 72 | 17 | | 0,29 | 25,5 | 13,7 | 6300 | - |
| 80208 | 6208 ZZ | 40 | 80 | 18 | | 0,367 | 32 | 17,8 | 8500 | - |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

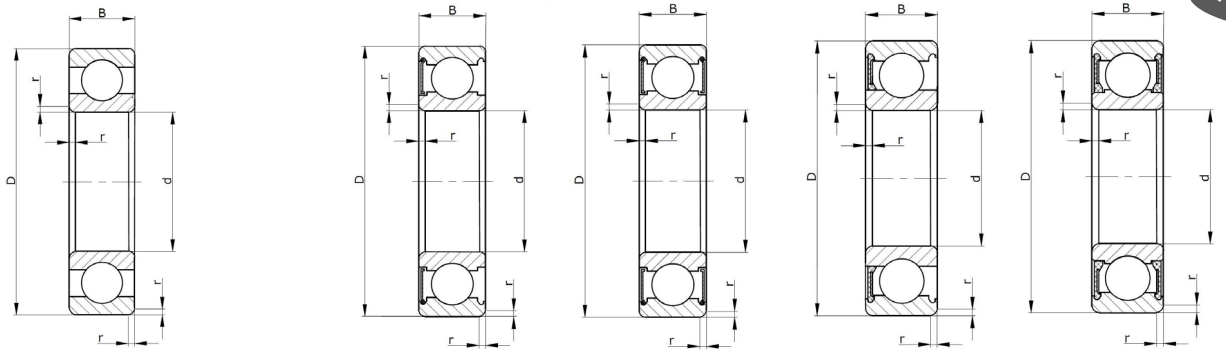
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 80209 | 6209 ZZ | 45 | 85 | 19 | | 0,41 | 33,2 | 18,6 | 7500 | - |
| 80210 | 6210 ZZ | 50 | 90 | 20 | | 0,464 | 35,1 | 19,8 | 7000 | - |
| 80211 | 6211 ZZ | 55 | 100 | 21 | | 0,611 | 43,6 | 25 | 6300 | - |
| 80212 | 6212 ZZ | 60 | 110 | 22 | | 0,787 | 52 | 31 | 6000 | - |
| 80213 | 6213 ZZ | 65 | 120 | 23 | | 0,995 | 56 | 34 | 5300 | - |
| 80214 | 6214 ZZ | 70 | 125 | 24 | | 1,09 | 61,8 | 37,5 | 5000 | - |
| 80215 | 6215 ZZ | 75 | 130 | 25 | | 1,19 | 66,3 | 41 | 4800 | - |
| 80216 | 6216 ZZ | 80 | 140 | 26 | | 1,41 | 70,2 | 45 | 4500 | - |
| 80217 | 6217 ZZ | 85 | 150 | 28 | | 1,79 | 83,2 | 53 | 4300 | - |
| 80218 | 6218 ZZ | 90 | 160 | 30 | | 2,16 | 95,6 | 62 | 3000 | - |
| 80219 | 6219 2Z | 95 | 170 | 32 | | 2,65 | 108 | 69,5 | 3600 | - |
| 80220 | 6220 ZZ | 100 | 180 | 34 | | 3,16 | 124 | 79 | 3400 | - |
| 80222 | 6222 ZZ | 110 | 200 | 38 | | 4,52 | 146 | 100 | 2800 | - |
| 80224 | 6224 ZZ | 120 | 215 | 40 | | 5,22 | 156 | 112 | 2800 | - |
| 80226 | 6226 ZZ | 130 | 230 | 40 | | 5,85 | 156 | 112 | 2600 | - |
| 80228 | 6228 ZZ | 140 | 250 | 42 | | 7,5 | 165 | 122 | 2400 | - |
| 80234 | 6234 ZZ | 170 | 310 | 52 | | 15,8 | 212 | 224 | 1800 | - |
| 80236 | 6236 ZZ | 180 | 320 | 52 | | 15,9 | 227 | 241 | 1700 | - |
| 80238 | 6238 ZZ | 190 | 340 | 55 | | 22,3 | 255 | 282 | 1600 | - |
| 80240 | 6240 ZZ | 200 | 360 | 58 | | 26,7 | 269 | 310 | 1500 | - |
| | | | | | | | | | | |
| 80300 | 6300 ZZ | 10 | 35 | 11 | | 0,053 | 8,06 | 3,75 | 20000 | - |
| 80301 | 6301 ZZ | 12 | 37 | 12 | | 0,06 | 9,75 | 4,65 | 19000 | - |
| 80302 | 6302 ZZ | 15 | 42 | 13 | | 0,082 | 11,4 | 5,4 | 17000 | - |
| 80303 | 6303 ZZ | 17 | 47 | 14 | | 0,116 | 13,5 | 6,65 | 16000 | - |
| 80304 | 6304 ZZ | 20 | 52 | 15 | | 0,144 | 15,9 | 7,8 | 13000 | - |
| 80305 | 6305 ZZ | 25 | 62 | 17 | | 0,232 | 22,5 | 11,4 | 11000 | - |
| 80306 | 6306 ZZ | 30 | 72 | 19 | | 0,35 | 28,1 | 14,6 | 9000 | - |
| 80307 | 6307 ZZ | 35 | 80 | 21 | | 0,46 | 33,2 | 18 | 8500 | - |
| 80308 | 6308 ZZ | 40 | 90 | 23 | | 0,635 | 41 | 22,4 | 7500 | - |
| 80309 | 6309 ZZ | 45 | 100 | 25 | | 0,833 | 52,7 | 30 | 6700 | - |
| 80310 | 6310 ZZ | 50 | 110 | 27 | | 1,075 | 61,8 | 36 | 6300 | - |
| 80311 | 6311 ZZ | 55 | 120 | 29 | | 1,38 | 71,5 | 41,5 | 5600 | - |
| 80312 | 6312 ZZ | 60 | 130 | 31 | | 1,72 | 81,9 | 48 | 5000 | - |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

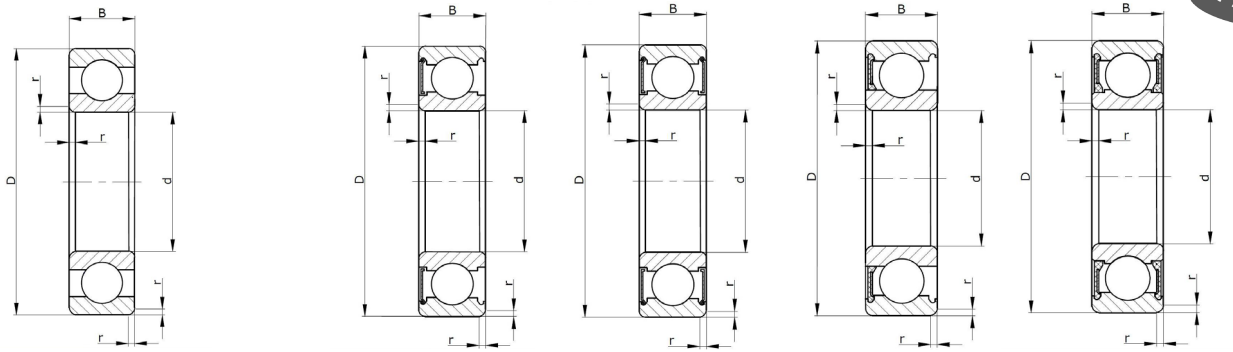
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 80313 | 6313 ZZ | 65 | 140 | 33 | | 2,1 | 92,3 | 56 | 4800 | - |
| 80314 | 6314 ZZ | 70 | 150 | 35 | | 2,53 | 104 | 63 | 4500 | - |
| 80315 | 6315 ZZ | 75 | 160 | 37 | | 3,03 | 112 | 72,5 | 4300 | - |
| 80316 | 6316 ZZ | 80 | 170 | 39 | | 3,62 | 124 | 80 | 3800 | - |
| 80317 | 6317 ZZ | 85 | 180 | 41 | | 4,26 | 133 | 90 | 3800 | - |
| 80318 | 6318 ZZ | 90 | 190 | 43 | | 4,94 | 143 | 99 | 3400 | - |
| 80319 | 6319ZZ | 95 | 200 | 45 | | 5,93 | 152 | 122 | 3200 | - |
| 80320 | 6320 ZZ | 100 | 215 | 47 | | 7,01 | 174 | 132 | 2800 | - |
| 80322 | 6322 2Z | 110 | 240 | 50 | | 9,6 | 205 | 176 | 2400 | - |
| 80326 | 6326 2Z | 130 | 280 | 58 | | 15,4 | 240 | 226 | 2300 | - |
| | | | | | | | | | | |
| 80701 | - | 12 | 30 | 8/10 | | 0,03 | 4 | 2,2 | 20000 | - |
| 80702 | - | 15 | 35 | 11/14 | | 0,05 | 5,35 | 3 | 16000 | - |
| 80703 | - | 17 | 35 | 10 | | 0,04 | 5 | 2,8 | 13000 | - |
| 80704 | - | 20 | 47 | 14/18 | | - | - | - | - | - |
| 80705 | - | 25 | 52 | 15/18 | | - | - | - | - | - |
| 80706 | - | 30 | 62 | 16/20 | | - | - | - | - | - |
| 80707 | - | 35 | 80 | 23 | | 0,46 | 35,7 | 18,4 | 8500 | - |
| 80822 | - | 110 | 215 | 40 | | - | - | - | - | - |
| | | | | | | | | | | |
| 1080093 | 619/3 ZZ | 3 | 8 | 3 | | 0,0008 | 0,56 | 0,186 | 43000 | - |
| 1080094 | 619/4 ZZ | 4 | 11 | 4 | | 0,0021 | 0,95 | 0,34 | 38000 | - |
| 1080095 | 619/5 ZZ | 5 | 13 | 4 | | 0,0026 | 1,08 | 0,39 | 38000 | - |
| 1080096 | 619/6 ZZ | 6 | 15 | 5 | | 0,0041 | 1,47 | 0,555 | 38000 | - |
| 1080097 | 619/7 ZZ | 7 | 17 | 5 | | 0,0051 | 2,02 | 0,77 | 35000 | - |
| 1080098 | 619/8 ZZ | 8 | 19 | 6 | | 0,0081 | 2,24 | 0,88 | 33000 | - |
| 1080099 | 619/9 ZZ | 9 | 20 | 6 | | 0,0083 | 2,68 | 1,05 | 27500 | - |
| | | | | | | | | | | |
| 1080800 | 61800 ZZ | 10 | 19 | 5 | | 0,005 | 1,72 | 0,84 | 34000 | - |
| 1080802 | 61802 ZZ | 15 | 24 | 5 | | 0,08 | 2,07 | 1,26 | 28000 | - |
| 1080803 | 61803 ZZ | 17 | 26 | 5 | | 0,007 | 2,63 | 1,57 | 26000 | - |
| 1080804 | 61804 ZZ | 20 | 32 | 7 | | 0,017 | 4 | 2,47 | 22000 | - |
| 1080805 | 61805 ZZ | 25 | 37 | 7 | | 0,021 | 4,5 | 3,15 | 18000 | - |
| 1080806 | 61806 ZZ | 30 | 42 | 7 | | 0,024 | 4,7 | 3,65 | 11000 | - |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

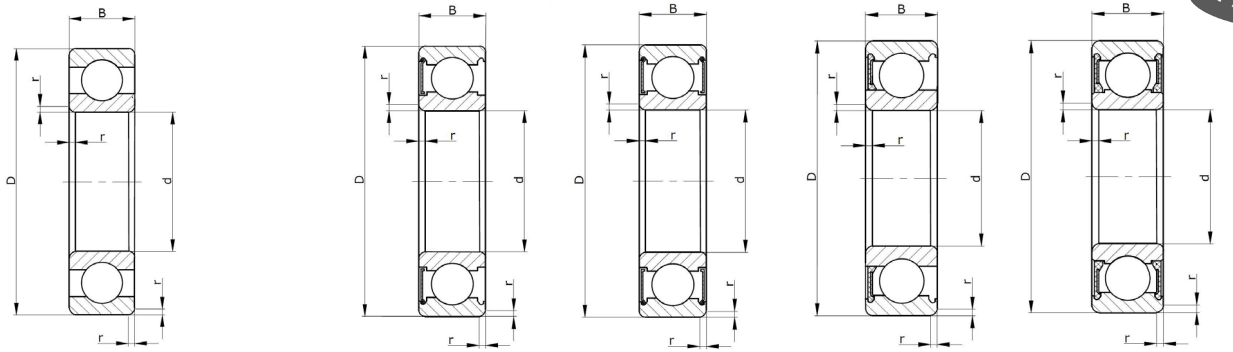
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1080807 | 61807 ZZ | 35 | 47 | 7 | | 0,027 | 4,9 | 4,1 | 14000 | - |
| 1080808 | 61808 ZZ | 40 | 52 | 7 | | 0,031 | 6,35 | 5,55 | 12000 | - |
| 1080809 | 61809 ZZ | 45 | 58 | 7 | | 0,038 | 6,6 | 6,15 | 11000 | - |
| 1080810 | 61810 ZZ | 50 | 65 | 7 | | 0,05 | 6,4 | 6,2 | 9500 | - |
| 1080811 | 61811 ZZ | 55 | 72 | 9 | | 0,081 | 8,8 | 8,5 | 8500 | - |
| 1080812 | 61812 ZZ | 60 | 78 | 10 | | 0,103 | 11,5 | 10,9 | 8000 | - |
| 1080813 | 61813 ZZ | 65 | 85 | 10 | | 0,128 | 11,9 | 12,1 | 7500 | - |
| 1080814 | 61814 ZZ | 70 | 90 | 10 | | 0,134 | 12,1 | 12,7 | 6700 | - |
| 1080815 | 61815 ZZ | 75 | 95 | 10 | | 0,149 | 12,5 | 13,9 | 6300 | - |
| 1080816 | 61816 ZZ | 80 | 100 | 10 | | 0,151 | 12,7 | 14,5 | 6000 | - |
| 1080817 | 61817 ZZ | 85 | 110 | 13 | | 0,263 | 18,7 | 20 | 5600 | - |
| 1080818 | 61818 ZZ | 90 | 115 | 13 | | 0,276 | 19 | 21 | 5300 | - |
| 1080819 | 61819 ZZ | 95 | 120 | 13 | | 0,297 | 19,3 | 22 | 5000 | - |
| 1080820 | 61820 ZZ | 100 | 125 | 13 | | 0,31 | 19,6 | 23 | 4800 | - |
| 1080821 | 61821 ZZ | 105 | 130 | 13 | | 0,324 | 19,8 | 23,9 | 4800 | - |
| 1080822 | 61822 ZZ | 110 | 140 | 16 | | 0,497 | 28,1 | 32,5 | 4300 | - |
| 1080824 | 61824 ZZ | 120 | 150 | 16 | | 0,537 | 28,9 | 35,5 | 4000 | - |
| 1080826 | 61826 ZZ | 130 | 165 | 18 | | 0,758 | 37 | 44 | 3600 | - |
| 1080828 | 61828 ZZ | 140 | 175 | 18 | | 0,832 | 38,5 | 48 | 1900 | - |
| 1080830 | 61830 ZZ | 150 | 190 | 20 | | 1,15 | 47,5 | 58,5 | 3200 | - |
| 1080832 | 61832 ZZ | 160 | 200 | 20 | | 1,23 | 48,5 | 61 | 2600 | - |
| 1080834 | 61834 ZZ | 170 | 215 | 22 | | 1,86 | 60 | 75 | 2600 | - |
| 1080844 | 61844 ZZ | 220 | 270 | 24 | | 2,9 | 76,5 | 107 | 1900 | - |
| | | | | | | | | | | |
| 1080900 | 61900 ZZ | 10 | 22 | 6 | | 0,009 | 2,7 | 1,27 | 32000 | - |
| 1080901 | 61901 ZZ | 12 | 24 | 6 | | 0,01 | 2,89 | 1,46 | 30000 | - |
| 1080902 | 61902 ZZ | 15 | 28 | 7 | | 0,015 | 4,35 | 2,26 | 26000 | - |
| 1080903 | 61903 ZZ | 17 | 30 | 7 | | 0,017 | 4,6 | 2,55 | 24000 | - |
| 1080904 | 61904 ZZ | 20 | 37 | 9 | | 0,037 | 6,4 | 3,7 | 19000 | - |
| 1080905 | 61905 ZZ | 25 | 42 | 9 | | 0,042 | 7,05 | 4,55 | 16000 | - |
| 1080906 | 61906 ZZ | 30 | 47 | 9 | | 0,052 | 7,25 | 5 | 8500 | - |
| 1080907 | 61907 ZZ | 35 | 55 | 10 | | 0,075 | 10,6 | 7,25 | 12000 | - |
| 1080908 | 61908 ZZ | 40 | 62 | 12 | | 0,112 | 13,7 | 10 | 11000 | - |
| 1080909 | 61909 ZZ | 45 | 68 | 12 | | 0,126 | 14,1 | 10,9 | 9500 | - |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

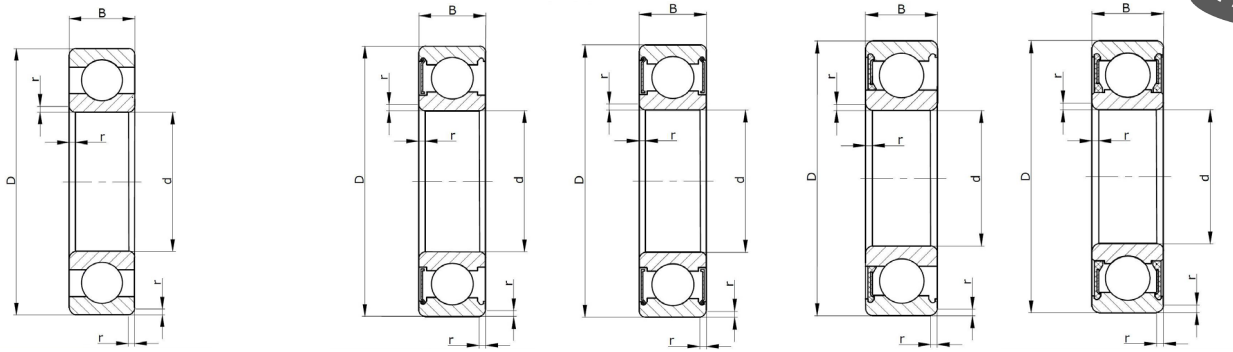
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1080910 | 61910 ZZ | 50 | 72 | 12 | | 0,135 | 14,5 | 11,7 | 9000 | - |
| 1080911 | 61911 ZZ | 55 | 80 | 13 | | 0,189 | 16 | 13,3 | 8000 | - |
| 1080912 | 61912 ZZ | 60 | 85 | 13 | | 0,192 | 19,4 | 16,3 | 7500 | - |
| 1080913 | 61913 ZZ | 65 | 90 | 13 | | 0,218 | 17,4 | 16,1 | 7100 | - |
| 1080914 | 61914 ZZ | 70 | 100 | 16 | | 0,349 | 23,7 | 21,2 | 6300 | - |
| 1080915 | 61915 ZZ | 75 | 105 | 16 | | 0,364 | 24,4 | 22,6 | 6000 | - |
| 1080916 | 61916 ZZ | 80 | 110 | 16 | | 0,391 | 25 | 24 | 5600 | - |
| 1080917 | 61917 ZZ | 85 | 120 | 18 | | 0,55 | 32 | 29,6 | 5300 | - |
| 1080918 | 61918 ZZ | 90 | 125 | 18 | | 0,585 | 33 | 31,5 | 5000 | - |
| 1080919 | 61919 ZZ | 95 | 130 | 18 | | 0,601 | 33,5 | 33,5 | 4800 | - |
| 1080920 | 61920 ZZ | 100 | 140 | 20 | | 0,828 | 43 | 42 | 4500 | - |
| 1080921 | 61921 ZZ | 105 | 130 | 13 | | 0,324 | 19,8 | 23,9 | 2600 | - |
| 1080922 | 61922 ZZ | 110 | 150 | 20 | | 0,893 | 43,5 | 44,5 | 4300 | - |
| 1080924 | 61924 ZZ | 120 | 165 | 22 | | 1,21 | 59 | 54 | 3800 | - |
| 1080926 | 61926 ZZ | 130 | 180 | 24 | | 1,57 | 65 | 67,5 | 3400 | - |
| 1080928 | 61928 ZZ | 140 | 190 | 24 | | 1,67 | 66,5 | 72 | 3200 | - |
| 1080930 | 61930 ZZ | 150 | 210 | 28 | | 3,01 | 85 | 90,5 | 2600 | - |
| 1080932 | 61932 ZZ | 160 | 220 | 28 | | 2,71 | 87 | 96 | 2600 | - |
| 1080934 | 61934 ZZ | 170 | 230 | 28 | | 3,34 | 86 | 97 | 2400 | - |
| 1080936 | 61936 ZZ | 180 | 250 | 33 | | 4,16 | 119 | 128 | 2200 | - |
| 1080940 | 61940 ZZ | 200 | 280 | 38 | | 7,28 | 143 | 158 | 2000 | - |
| 1080944 | 61944 ZZ | 220 | 300 | 38 | | 7,88 | 146 | 169 | 1800 | - |
| 1080948 | 61948 ZZ | 240 | 320 | 38 | | 8,49 | 154 | 190 | 1700 | - |
| | | | | | | | | | | |
| 3080092 | | 2 | 6 | 3 | | 0,0003 | 0,22 | 0,09 | 90000 | - |
| 3080093 | R 693 ZZ | 3 | 8 | 4 | | 0,0009 | 0,43 | 0,18 | 80000 | - |
| | | | | | | | | | | |
| 160017 | 607 RS | 7 | 19 | 6 | | 0,01 | 2,2 | 1,16 | 32000 | 40000 |
| 160018 | 608 RS | 8 | 22 | 7 | | 0,015 | 3,25 | 1,34 | 28000 | 32000 |
| 160019 | 609 RS | 9 | 24 | 7 | | 0,018 | 3,71 | 1,53 | 24000 | 38000 |
| 160023 | 623 RS | 3 | 10 | 4 | | 0,002 | 0,488 | 0,17 | 36000 | 48000 |
| 160024 | 624 RS | 4 | 13 | 5 | | 0,004 | 0,884 | 0,315 | 32000 | 45000 |
| 160025 | 625 RS | 5 | 16 | 5 | | 0,006 | 1,11 | 0,44 | 32000 | 43000 |
| 160026 | 626 RS | 6 | 19 | 6 | | 0,01 | 1,72 | 0,72 | 30000 | 38000 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

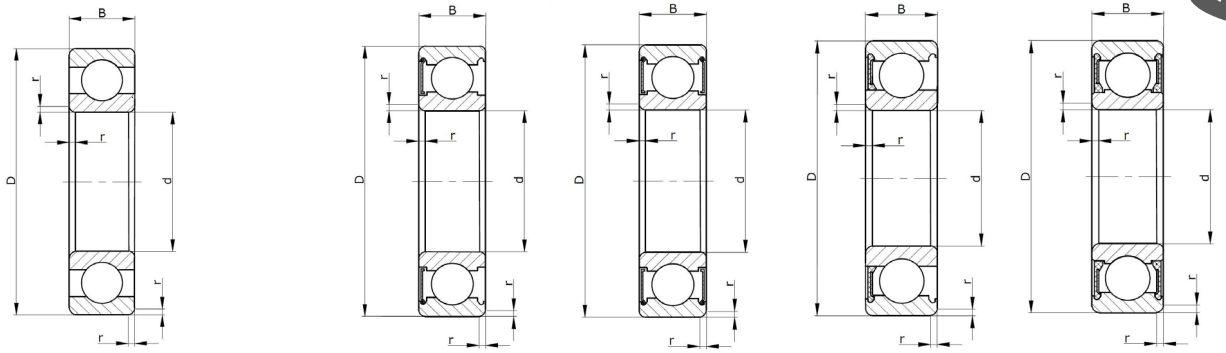
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 160027 | 627 RS | 7 | 22 | 7 | | 0,012 | 3,25 | 1,34 | 28000 | 36000 |
| 160028 | 628 RS | 8 | 24 | 8 | | 0,019 | 3,25 | 1,34 | 24000 | 34000 |
| 160029 | 629 RS | 9 | 26 | 8 | | 0,02 | 4,62 | 1,96 | 22000 | 34000 |
| 160034 | 634 RS | 4 | 16 | 5 | | 0,005 | 1,11 | 0,44 | 32000 | 43000 |
| 160035 | 635 RS | 5 | 19 | 6 | | 0,009 | 1,72 | 0,72 | 30000 | 40000 |
| | | | | | | | | | | |
| 160100 | 6000 RS | 10 | 26 | 8 | | 0,02 | 4,62 | 1,96 | 18000 | 36000 |
| 160101 | 6001 RS | 12 | 28 | 8 | | 0,022 | 5,07 | 2,24 | 17000 | 32000 |
| 160102 | 6002 RS | 15 | 32 | 9 | | 0,031 | 5,59 | 2,5 | 14000 | 28000 |
| 160103 | 6003 RS | 17 | 35 | 10 | | 0,04 | 6,05 | 2,8 | 13000 | 24000 |
| 160104 | 6004 RS | 20 | 42 | 12 | | 0,07 | 9,36 | 4,5 | 11000 | 20000 |
| 160105 | 6005 RS | 25 | 47 | 12 | | 0,081 | 11,2 | 5,6 | 9500 | 18000 |
| 160106 | 6006 RS | 30 | 55 | 13 | | 0,119 | 13,3 | 6,8 | 8000 | 15000 |
| 160107 | 6007 RS | 35 | 62 | 14 | | 0,159 | 15,9 | 8,5 | 7000 | 13000 |
| 160108 | 6008 RS | 40 | 68 | 15 | | 0,195 | 16,8 | 9,3 | 6300 | 12000 |
| 160109 | 6009 RS | 45 | 75 | 16 | | 0,249 | 21,2 | 12,2 | 5600 | 11000 |
| 160110 | 6010 RS | 50 | 80 | 16 | | 0,264 | 21,6 | 13,2 | 5000 | 10000 |
| 160111 | 6011 RS | 55 | 90 | 18 | | 0,39 | 28,1 | 17 | 4500 | 9000 |
| 160112 | 6012 RS | 60 | 95 | 18 | | 0,42 | 29,6 | 18,3 | 4300 | 8000 |
| 160113 | 6013 RS | 65 | 100 | 18 | | 0,44 | 30,7 | 19,6 | 4000 | 7500 |
| 160114 | 6014 RS | 70 | 110 | 20 | | 0,618 | 37,7 | 24,5 | 3600 | 7000 |
| 160115 | 6015 RS | 75 | 115 | 20 | | 0,64 | 39,7 | 34 | 3400 | 6700 |
| 160116 | 6016 RS | 80 | 125 | 22 | | 0,86 | 47,7 | 31,5 | 3200 | 6700 |
| 160117 | 6017 RS | 85 | 130 | 22 | | 0,89 | 49,4 | 33,5 | 3000 | 6000 |
| 160118 | 6018 RS | 90 | 140 | 24 | | 1,16 | 58,5 | 39 | 2800 | 5600 |
| 160119 | 6019 RS | 95 | 145 | 24 | | 1,25 | 60,5 | 41,5 | 4500 | 5300 |
| 160120 | 6020 RS | 100 | 150 | 24 | | 1,25 | 60,5 | 57 | 4300 | 5000 |
| 160121 | 6021 RS | 105 | 160 | 26 | | 1,6 | 85,2 | 61 | 3800 | 4800 |
| | | | | | | | | | | |
| 160200 | 6200 RS | 10 | 30 | 9 | | 0,032 | 5,9 | 2,65 | 20000 | 30000 |
| 160201 | 6201 RS | 12 | 32 | 10 | | 0,037 | 6,89 | 3,1 | 20000 | 28000 |
| 160202 | 6202 RS | 15 | 35 | 11 | | 0,045 | 7,8 | 3,55 | 18000 | 24000 |
| 160203 | 6203 RS | 17 | 40 | 12 | | 0,065 | 9,56 | 4,5 | 16000 | 20000 |
| 160204 | 6204 RS | 20 | 47 | 14 | | 0,107 | 12,7 | 6,2 | 13000 | 15000 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** | **60 000 (6000 Z)** | **80 000 (6000 ZZ)** | **160 000 (6000 RS)** | **180 000 (6000 2RS)**

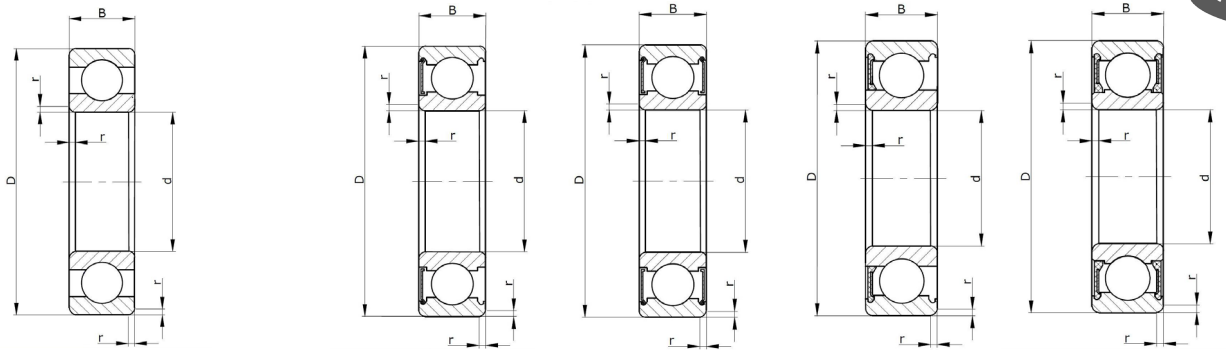
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 160205 | 6205 RS | 25 | 52 | 15 | | 0,128 | 14 | 6,95 | 10000 | 13000 |
| 160206 | 6206 RS | 30 | 62 | 16 | | 0,201 | 19,5 | 10 | 10000 | 13000 |
| 160207 | 6207 RS | 35 | 72 | 17 | | 0,29 | 25,5 | 13,7 | 6500 | 10000 |
| 160208 | 6208 RS | 40 | 80 | 18 | | 0,367 | 32 | 17,8 | 8300 | 10000 |
| 160209 | 6209 RS | 45 | 85 | 19 | | 0,41 | 33,2 | 18,6 | 7300 | 9000 |
| 160210 | 6210 RS | 50 | 90 | 20 | | 0,464 | 35,1 | 19,8 | 6800 | 8500 |
| 160211 | 6211 RS | 55 | 100 | 21 | | 0,611 | 43,6 | 25 | 6000 | 7300 |
| 160212 | 6212 RS | 60 | 110 | 22 | | 0,787 | 52 | 31 | 6000 | 7000 |
| 160213 | 6213 RS | 65 | 120 | 23 | | 0,995 | 56 | 34 | 5300 | 6300 |
| 160214 | 6214 RS | 70 | 125 | 24 | | 1,09 | 61,8 | 37,5 | 5000 | 6000 |
| 160215 | 6215 RS | 75 | 130 | 25 | | 1,19 | 66,3 | 41 | 4800 | 5600 |
| 160216 | 6216 RS | 80 | 140 | 26 | | 1,41 | 70,2 | 45 | 4500 | 5300 |
| 160217 | 6217 RS | 85 | 150 | 28 | | 1,79 | 83,2 | 53 | 3500 | 4500 |
| 160218 | 6218 RS | 90 | 160 | 30 | | 2,16 | 95,6 | 62 | 2800 | 4000 |
| 160220 | 6220 RS | 100 | 180 | 34 | | 3,16 | 124 | 79 | 3000 | 4000 |
| 160222 | 6222 RS | 110 | 200 | 38 | | 4,52 | 146 | 100 | 2600 | 3400 |
| 160224 | 6224 RS | 120 | 215 | 40 | | 5,22 | 146 | 100 | 2600 | 3400 |
| 160226 | 6226 RS | 130 | 230 | 40 | | 5,85 | 156 | 112 | 2400 | 3200 |
| 160228 | 6228 RS | 140 | 250 | 42 | | 7,5 | 165 | 122 | 2200 | 3000 |
| | | | | | | | | | | |
| 160300 | 6300 RS | 10 | 35 | 11 | | 0,053 | 8,06 | 3,75 | 18000 | 26000 |
| 160301 | 6301 RS | 12 | 37 | 12 | | 0,06 | 9,75 | 4,65 | 14000 | 24000 |
| 160302 | 6302 RS | 15 | 42 | 13 | | 0,082 | 11,4 | 5,4 | 12000 | 20000 |
| 160303 | 6303 RS | 17 | 47 | 14 | | 0,116 | 13,5 | 6,65 | 11000 | 19000 |
| 160304 | 6304 RS | 20 | 52 | 15 | | 0,144 | 15,9 | 7,8 | 10000 | 16000 |
| 160305 | 6305 RS | 25 | 62 | 17 | | 0,232 | 22,5 | 11,4 | 8000 | 14000 |
| 160306 | 6306 RS | 30 | 72 | 19 | | 0,35 | 28,1 | 14,6 | 8000 | 11000 |
| 160307 | 6307 RS | 35 | 80 | 21 | | 0,46 | 33,2 | 18 | 6000 | 10000 |
| 160308 | 6308 RS | 40 | 90 | 23 | | 0,635 | 41 | 22,4 | 5000 | 9000 |
| 160309 | 6309 RS | 45 | 100 | 25 | | 0,833 | 52,7 | 30 | 4500 | 8000 |
| 160310 | 6310 RS | 50 | 110 | 27 | | 1,075 | 61,8 | 36 | 4300 | 7500 |
| 160311 | 6311 RS | 55 | 120 | 29 | | 1,38 | 71,5 | 41,5 | 3800 | 6700 |
| 160312 | 6312 RS | 60 | 130 | 31 | | 1,72 | 81,9 | 48 | 3400 | 6000 |
| 160313 | 6313 RS | 65 | 140 | 33 | | 2,1 | 92,3 | 56 | 3200 | 5300 |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
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| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
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**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

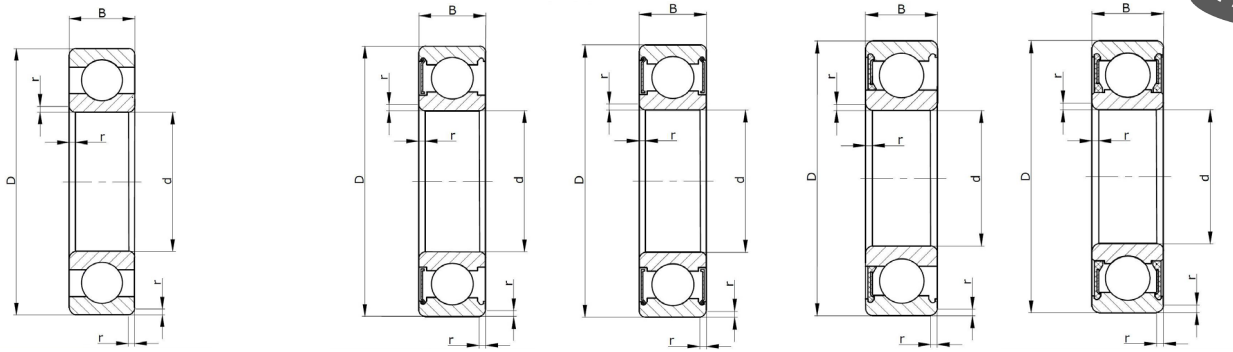
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 160314 | 6314 RS | 70 | 150 | 35 | | 2,53 | 104 | 63 | 3000 | 5300 |
| 160315 | 6315 RS | 75 | 160 | 37 | | 3,03 | 112 | 72,5 | 2800 | 4800 |
| 160316 | 6316 RS | 80 | 170 | 39 | | 3,62 | 124 | 80 | 3600 | 4500 |
| 160317 | 6317 RS | 85 | 180 | 41 | | 4,26 | 133 | 90 | 3600 | 4500 |
| 160318 | 6318 RS | 90 | 190 | 43 | | 4,94 | 143 | 99 | 3400 | 4000 |
| 160319 | 6319 RS | 95 | 200 | 45 | | 5,68 | 152 | 122 | 2400 | 3000 |
| 160320 | 6320 RS | 100 | 215 | 47 | | 7,01 | 174 | 132 | 2600 | 3400 |
| | | | | | | | | | | |
| 1160305 | - | 25 | 62 | 21 | | 0,27 | 27 | 15 | 8000 | 14000 |
| | | | | | | | | | | |
| 160500 | 62200 RS | 10 | 30 | 14 | | 0,05 | 5,9 | 2,65 | 17000 | - |
| 160501 | 62201 RS | 12 | 32 | 14 | | 0,05 | 6,89 | 3,1 | 15000 | - |
| 160502 | 62202 RS | 15 | 35 | 14 | | 0,06 | 7,8 | 3,55 | 13000 | - |
| 160503 | 62203 RS | 17 | 40 | 16 | | 0,08 | 9,56 | 4,5 | 12000 | - |
| 160504 | 62204 RS | 20 | 47 | 18 | | 0,14 | 12,7 | 6,2 | 10000 | - |
| 160505 | 62205 RS | 25 | 52 | 18 | | 0,15 | 14 | 6,95 | 8500 | - |
| 160506 | 62206 RS | 30 | 62 | 20 | | 0,3 | 19,5 | 10 | 7500 | - |
| 160507 | 62207 RS | 35 | 72 | 23 | | 0,39 | 25,5 | 13,7 | 6300 | - |
| 160508 | 62208 RS | 40 | 80 | 23 | | 0,45 | 32 | 17,8 | 5600 | - |
| 160509 | 62209 RS | 45 | 85 | 23 | | 0,51 | 33,2 | 18,6 | 5000 | - |
| 160510 | 62210 RS | 50 | 90 | 23 | | 0,54 | 35,1 | 19,8 | 4800 | - |
| 160511 | 62211 RS | 55 | 100 | 25 | | 0,7 | 43,6 | 25 | 4300 | - |
| 160512 | 62212 RS | 60 | 110 | 28 | | 0,87 | 52 | 31 | 4000 | - |
| 160513 | 62213 RS | 65 | 120 | 31 | | 1,1 | 56 | 34 | 3600 | - |
| 160514 | 62214 RS | 70 | 125 | 31 | | 1,21 | 61,8 | 37,5 | 3400 | - |
| | | | | | | | | | | |
| 160600 | 62300 RS | 10 | 35 | 17 | | 0,08 | 8,06 | 3,75 | 15000 | - |
| 160601 | 62301 RS | 12 | 37 | 17 | | 0,09 | 9,75 | 4,65 | 14000 | - |
| 160602 | 62302 RS | 15 | 42 | 17 | | 0,11 | 11,4 | 5,4 | 12000 | - |
| 160603 | 62303 RS | 17 | 47 | 19 | | 0,15 | 13,5 | 6,65 | 11000 | - |
| 160604 | 62304 RS | 20 | 52 | 21 | | 0,21 | 15,9 | 7,8 | 9500 | - |
| 160605 | 62305 RS | 25 | 62 | 24 | | 0,24 | 22,5 | 11,4 | 7500 | - |
| 160606 | 62306 RS | 30 | 72 | 27 | | 0,42 | 28,1 | 14,6 | 6300 | - |
| 160607 | 62307 RS | 35 | 80 | 31 | | 0,53 | 33,2 | 18 | 6000 | - |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

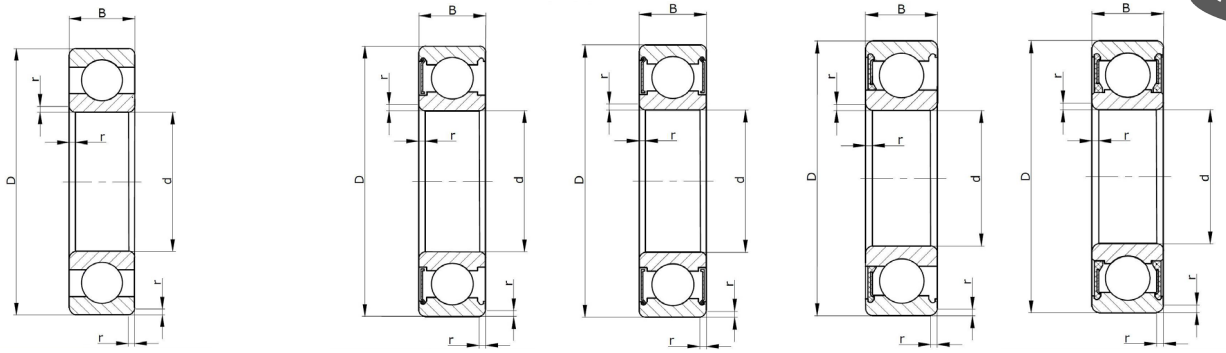
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 160608 | 62308 RS | 40 | 90 | 33 | | 0,85 | 41 | 22,4 | 5000 | - |
| 160609 | 62309 RS | 45 | 100 | 36 | | 1,1 | 52,7 | 30 | 4500 | 6500 |
| 160610 | 62310 RS | 50 | 110 | 40 | | 1,26 | 61,8 | 36 | 4000 | 5000 |
| 160611 | 62311 RS | 55 | 120 | 43 | | 1,5 | 71,5 | 41,5 | 3800 | 4500 |
| 160612 | 62312 RS | 60 | 130 | 46 | | 1,94 | 81,9 | 48 | 3400 | 4000 |
| 160613 | 62313 RS | 65 | 140 | 48 | | 2,35 | 92,3 | 56 | 3200 | 3800 |
| 160614 | 62314 RS | 70 | 150 | 51 | | 2,75 | 104 | 63 | 3000 | 3600 |
| | | | | | | | | | | |
| 3160202 | - | 15 | 35 | 15,9 | | 0,046 | 7,8 | 3,75 | 19000 | 24000 |
| 3160203 | - | 17 | 40 | 17,5 | | 0,09 | 9,56 | 4,5 | 16000 | 20000 |
| 3160204 | - | 20 | 47 | 20,6 | | 0,17 | 12,7 | 6,2 | 13000 | 15000 |
| 3160205 | - | 25 | 52 | 20,6 | | 0,21 | 14 | 6,95 | 10000 | 13000 |
| 3160206 | - | 30 | 62 | 23,8 | | 0,32 | 19,5 | 10 | 8300 | 10000 |
| 3160207 | - | 35 | 72 | 27 | | 0,47 | 25,5 | 13,7 | 6500 | 10000 |
| 3160208 | - | 40 | 80 | 30,2 | | 0,6 | 32 | 17,8 | 8300 | 10000 |
| 3160209 | - | 45 | 85 | 30,2 | | 0,65 | 33,2 | 18,6 | 7300 | 9000 |
| | | | | | | | | | | |
| 180017 | 607 2RS | 7 | 19 | 6 | | 0,01 | 2,2 | 1,16 | 32000 | - |
| 180018 | 608 2RS | 8 | 22 | 7 | | 0,015 | 3,25 | 1,34 | 28000 | - |
| 180019 | 609 2RS | 9 | 24 | 7 | | 0,018 | 3,71 | 1,53 | 24000 | - |
| 180023 | 623 2RS | 3 | 10 | 4 | | 0,002 | 0,488 | 0,17 | 36000 | - |
| 180024 | 624 2RS | 4 | 13 | 5 | | 0,004 | 0,884 | 0,315 | 32000 | - |
| 180025 | 625 2RS | 5 | 16 | 5 | | 0,006 | 1,11 | 0,44 | 32000 | - |
| 180026 | 626 2RS | 6 | 19 | 6 | | 0,01 | 1,72 | 0,72 | 30000 | - |
| 180027 | 627 2RS | 7 | 22 | 7 | | 0,012 | 3,25 | 1,34 | 28000 | - |
| 180028 | 628 2RS | 8 | 24 | 8 | | 0,019 | 3,25 | 1,34 | 24000 | - |
| 180029 | 629 2RS | 9 | 26 | 8 | | 0,02 | 4,62 | 1,96 | 22000 | - |
| 180034 | 634 2RS | 4 | 16 | 5 | | 0,005 | 1,11 | 0,44 | 32000 | - |
| 180035 | 635 2RS | 5 | 19 | 6 | | 0,009 | 1,72 | 0,72 | 30000 | - |
| 180069 | - | 9 | 26 | 9 | | 0,03 | - | 0,156 | - | - |
| | | | | | | | | | | |
| 180100 | 6000 2RS | 10 | 26 | 8 | | 0,02 | 4,62 | 1,96 | 18000 | - |
| 180101 | 6001 2RS | 12 | 28 | 8 | | 0,022 | 5,07 | 2,24 | 17000 | - |
| 180102 | 6002 2RS | 15 | 32 | 9 | | 0,031 | 5,59 | 2,5 | 14000 | - |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

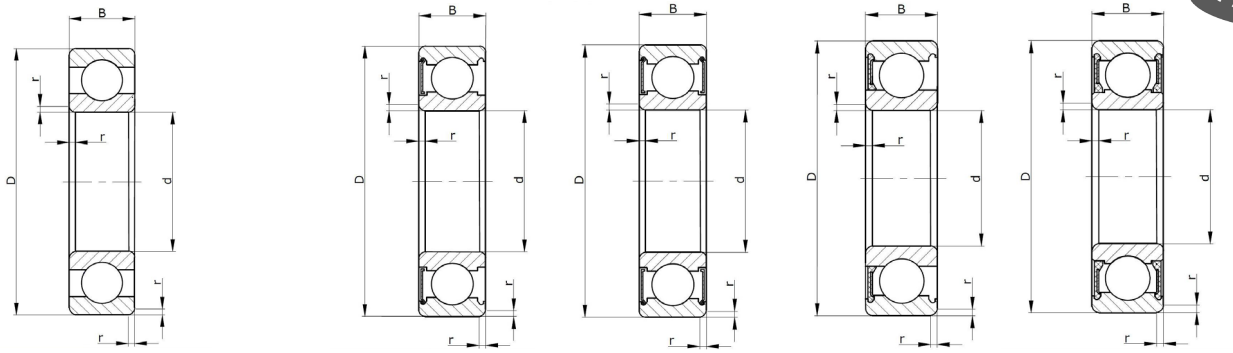
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 180103 | 6003 2RS | 17 | 35 | 10 | | 0,04 | 6,05 | 2,8 | 13000 | - |
| 180104 | 6004 2RS | 20 | 42 | 12 | | 0,07 | 9,36 | 4,5 | 11000 | - |
| 180105 | 6005 2RS | 25 | 47 | 12 | | 0,081 | 11,2 | 5,6 | 9500 | - |
| 180106 | 6006 2RS | 30 | 55 | 13 | | 0,119 | 13,3 | 6,8 | 8000 | - |
| 180107 | 6007 2RS | 35 | 62 | 14 | | 0,159 | 15,9 | 8,5 | 7000 | - |
| 180108 | 6008 2RS | 40 | 68 | 15 | | 0,195 | 16,8 | 9,3 | 6300 | - |
| 180109 | 6009 2RS | 45 | 75 | 16 | | 0,249 | 21,2 | 12,2 | 5600 | - |
| 180110 | 6010 2RS | 50 | 80 | 16 | | 0,264 | 21,6 | 13,2 | 5000 | - |
| 180111 | 6011 2RS | 55 | 90 | 18 | | 0,39 | 28,1 | 17 | 4500 | - |
| 180112 | 6012 2RS | 60 | 95 | 18 | | 0,42 | 29,6 | 18,3 | 4300 | - |
| 180113 | 6013 2RS | 65 | 100 | 18 | | 0,44 | 30,7 | 19,6 | 4000 | - |
| 180114 | 6014 2RS | 70 | 110 | 20 | | 0,618 | 37,7 | 24,5 | 3600 | - |
| 180115 | 6015 2RS | 75 | 115 | 20 | | 0,64 | 39,7 | 34 | 3400 | - |
| 180116 | 6016 2RS | 80 | 125 | 22 | | 0,86 | 47,7 | 31,5 | 3200 | - |
| 180117 | 6017 2RS | 85 | 130 | 22 | | 0,89 | 49,4 | 33,5 | 3000 | - |
| 180118 | 6018 2RS | 90 | 140 | 24 | | 1,16 | 58,5 | 39 | 2800 | - |
| 180119 | 6019 2RS | 95 | 145 | 24 | | 1,25 | 60,5 | 41,5 | 2800 | - |
| 180120 | 6020 2RS | 100 | 150 | 24 | | 1,25 | 60,5 | 57 | 2600 | - |
| 180121 | 6021 2RS | 105 | 160 | 26 | | 1,66 | 85,2 | 61 | 2600 | - |
| 180124 | 6024 2RS | 120 | 180 | 28 | | 2,18 | 83 | 78 | 2000 | - |
| | | | | | | | | | | |
| 180200 | 6200 2RS | 10 | 30 | 9 | | 0,032 | 5,9 | 2,65 | 17000 | - |
| 180201 | 6201 2RS | 12 | 32 | 10 | | 0,037 | 6,89 | 3,1 | 15000 | - |
| 180202/Д10 | 6202/010 2RS | 11,112 | 35 | 11 | | 0,048 | 7,6 | 3,75 | 14000 | - |
| 180202 | 6202 2RS | 15 | 35 | 11 | | 0,045 | 7,8 | 3,55 | 13000 | - |
| 180203 | 6203 2RS | 17 | 40 | 12 | | 0,065 | 9,56 | 4,5 | 12000 | - |
| 180204/Д12 | 6204.012 2RS | 19,05 | 47 | 14 | | 0,105 | 12,7 | 6,55 | 10000 | - |
| 180204 | 6204 2RS | 20 | 47 | 14 | | 0,107 | 12,7 | 6,2 | 10000 | - |
| 180205 | 6205 2RS | 25 | 52 | 15 | | 0,128 | 14 | 6,95 | 8500 | - |
| 180206 | 6206 2RS | 30 | 62 | 16 | | 0,201 | 19,5 | 10 | 7500 | - |
| 180207 | 6207 2RS | 35 | 72 | 17 | | 0,29 | 25,5 | 13,7 | 6300 | - |
| 180208 | 6208 2RS | 40 | 80 | 18 | | 0,367 | 32 | 17,8 | 5600 | - |
| 180209 | 6209 2RS | 45 | 85 | 19 | | 0,41 | 33,2 | 18,6 | 5300 | - |
| 180210 | 6210 2RS | 50 | 90 | 20 | | 0,464 | 35,1 | 19,8 | 4800 | - |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

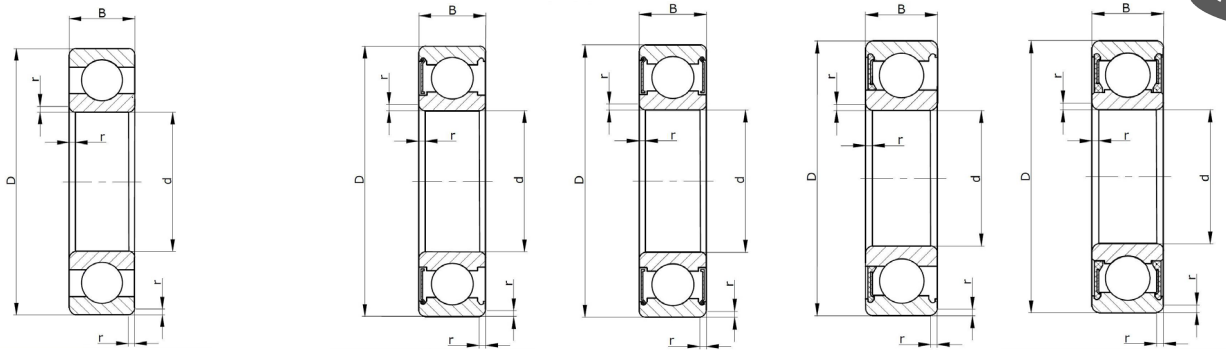
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 180211 | 6211 2RS | 55 | 100 | 21 | | 0,611 | 43,6 | 25 | 4300 | - |
| 180212 | 6212 2RS | 60 | 110 | 22 | | 0,787 | 52 | 31 | 4000 | - |
| 180213 | 6213 2RS | 65 | 120 | 23 | | 0,995 | 56 | 34 | 3600 | - |
| 180214 | 6214 2RS | 70 | 125 | 24 | | 1,09 | 61,8 | 37,5 | 3400 | - |
| 180215 | 6215 2RS | 75 | 130 | 25 | | 1,19 | 66,3 | 41 | 3200 | - |
| 180216 | 6216 2RS | 80 | 140 | 26 | | 1,41 | 70,2 | 45 | 3000 | - |
| 180217 | 6217 2RS | 85 | 150 | 28 | | 1,79 | 83,2 | 53 | 2800 | - |
| 180218 | 6218 2RS | 90 | 160 | 30 | | 2,16 | 95,6 | 62 | 2600 | - |
| 180219 | 6219 2RS | 95 | 170 | 32 | | 2,44 | 108 | 69,5 | 2400 | - |
| 180220 | 6220 2RS | 100 | 180 | 34 | | 3,16 | 124 | 79 | 2400 | - |
| 180222 | 6222 2RS | 110 | 200 | 38 | | 4,52 | 146 | 100 | 2400 | - |
| 180224 | 6224 2RS | 120 | 215 | 40 | | 5,22 | 146 | 100 | 2200 | - |
| 180226 | 6226 2RS | 130 | 230 | 40 | | 5,85 | 156 | 112 | 2000 | - |
| 180228 | 6228 2RS | 140 | 250 | 42 | | 7,5 | 165 | 122 | 1800 | - |
| | | | | | | | | | | |
| 180300 | 6300 2RS | 10 | 35 | 11 | | 0,053 | 8,06 | 3,75 | 15000 | - |
| 180301 | 6301 2RS | 12 | 37 | 12 | | 0,06 | 9,75 | 4,65 | 14000 | - |
| 180302 | 6302 2RS | 15 | 42 | 13 | | 0,082 | 11,4 | 5,4 | 12000 | - |
| 180302/Д10 | 6302/010 2RS | 15,875 | 34,925 | 11 | | 0,046 | 7,8 | 3,75 | 14000 | - |
| 180303 | 6303 2RS | 17 | 47 | 14 | | 0,116 | 13,5 | 6,65 | 11000 | - |
| 180304 | 6304 2RS | 20 | 52 | 15 | | 0,144 | 15,9 | 7,8 | 10000 | - |
| 180305 | 6305 2RS | 25 | 62 | 17 | | 0,232 | 22,5 | 11,4 | 8000 | - |
| 180306 | 6306 2RS | 30 | 72 | 19 | | 0,35 | 28,1 | 14,6 | 8000 | - |
| 180307 | 6307 2RS | 35 | 80 | 21 | | 0,46 | 33,2 | 18 | 6000 | - |
| 180308 | 6308 2RS | 40 | 90 | 23 | | 0,635 | 41 | 22,4 | 5000 | - |
| 180309 | 6309 2RS | 45 | 100 | 25 | | 0,833 | 52,7 | 30 | 4500 | - |
| 180310 | 6310 2RS | 50 | 110 | 27 | | 1,075 | 61,8 | 36 | 4300 | - |
| 180311 | 6311 2RS | 55 | 120 | 29 | | 1,38 | 71,5 | 41,5 | 3800 | - |
| 180312 | 6312 2RS | 60 | 130 | 31 | | 1,72 | 81,9 | 48 | 3400 | - |
| 180313 | 6313 2RS | 65 | 140 | 33 | | 2,1 | 92,3 | 56 | 3200 | - |
| 180314 | 6314 2RS | 70 | 150 | 35 | | 2,53 | 104 | 63 | 3000 | - |
| 180315 | 6315 2RS | 75 | 160 | 37 | | 3,03 | 112 | 72,5 | 2800 | - |
| 180316 | 6316 2RS | 80 | 170 | 39 | | 3,62 | 124 | 80 | 2600 | - |
| 180317 | 6317 2RS | 85 | 180 | 41 | | 4,26 | 133 | 90 | 3000 | - |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

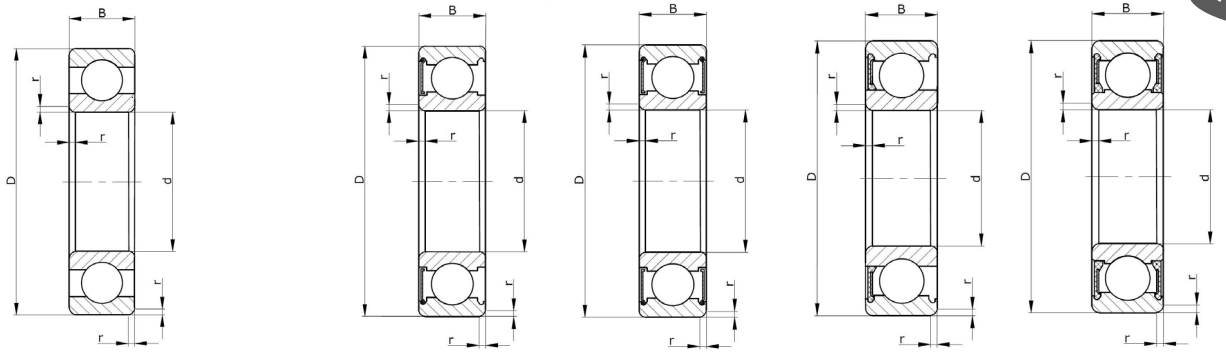
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 180318 | 6318 2RS | 90 | 190 | 43 | | 4,94 | 143 | 99 | 2400 | - |
| 180319 | 6319 2RS | 95 | 200 | 45 | | 5,92 | 152 | 122 | 2200 | - |
| 180320 | 6320 2RS | 100 | 215 | 47 | | 7,01 | 174 | 132 | 2100 | - |
| 180324 | 6324 2RS | 120 | 260 | 55 | | 12,7 | 217 | 196 | 2000 | - |
| | | | | | | | | | | |
| 180500 | 62200 2RS | 10 | 30 | 14 | | 0,05 | 5,9 | 2,65 | 17000 | - |
| 180501 | 62201 2RS | 12 | 32 | 14 | | 0,05 | 6,89 | 3,1 | 15000 | - |
| 180502 | 62202 2RS | 15 | 35 | 14 | | 0,06 | 7,8 | 3,55 | 13000 | - |
| 180503 | 62203 2RS | 17 | 40 | 16 | | 0,08 | 9,56 | 4,5 | 12000 | - |
| 180504 | 62204 2RS | 20 | 47 | 18 | | 0,14 | 12,7 | 6,2 | 10000 | - |
| 180505 | 62205 2RS | 25 | 52 | 18 | | 0,15 | 14 | 6,95 | 8500 | - |
| 180506 | 62206 2RS | 30 | 62 | 20 | | 0,3 | 19,5 | 10 | 7500 | - |
| 180507 | 62207 2RS | 35 | 72 | 23 | | 0,39 | 25,5 | 13,7 | 6300 | - |
| 180508 | 62208 2RS | 40 | 80 | 23 | | 0,45 | 32 | 17,8 | 5600 | - |
| 180509 | 62209 2RS | 45 | 85 | 23 | | 0,51 | 33,2 | 18,6 | 5000 | - |
| 180510 | 62210 2RS | 50 | 90 | 23 | | 0,54 | 35,1 | 19,8 | 4800 | - |
| 180511 | 62211 2RS | 55 | 100 | 25 | | 0,7 | 43,6 | 25 | 4300 | - |
| 180512 | 62212 2RS | 60 | 110 | 28 | | 0,87 | 52 | 31 | 4000 | - |
| 180513 | 62213 2RS | 65 | 120 | 31 | | 1,1 | 56 | 34 | 3600 | - |
| 180514 | 62214 2RS | 70 | 125 | 31 | | 1,21 | 61,8 | 37,5 | 3400 | - |
| | | | | | | | | | | |
| 180600 | 62300 2RS | 10 | 35 | 17 | | 0,08 | 8,06 | 3,75 | 15000 | - |
| 180601 | 62301 2RS | 12 | 37 | 17 | | 0,09 | 9,75 | 4,65 | 14000 | - |
| 180602 | 62302 2RS | 15 | 42 | 17 | | 0,11 | 11,4 | 5,4 | 12000 | - |
| 180603 | 62303 2RS | 17 | 47 | 19 | | 0,15 | 13,5 | 6,65 | 11000 | - |
| 180604 | 62304 2RS | 20 | 52 | 21 | | 0,21 | 15,9 | 7,8 | 9500 | - |
| 180605 | 62305 2RS | 25 | 62 | 24 | | 0,24 | 22,5 | 11,4 | 7500 | - |
| 180606 | 62306 2RS | 30 | 72 | 27 | | 0,42 | 28,1 | 14,6 | 6300 | - |
| 180607 | 62307 2RS | 35 | 80 | 31 | | 0,53 | 33,2 | 18 | 6000 | - |
| 180608 | 62308 2RS | 40 | 90 | 33 | | 0,85 | 41 | 22,4 | 5000 | - |
| 180609 | 62309 2RS | 45 | 100 | 36 | | 1,1 | 52,7 | 30 | 4500 | - |
| 180610 | 62310 2RS | 50 | 110 | 40 | | 1,26 | 61,8 | 36 | 4000 | - |
| 180611 | 62311 2RS | 55 | 120 | 43 | | 1,5 | 71,5 | 41,5 | 3800 | - |
| 180612 | 62312 2RS | 60 | 130 | 46 | | 1,94 | 81,9 | 48 | 3400 | - |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
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OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
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**000 (6000)** | **60 000 (6000 Z)** | **80 000 (6000 ZZ)** | **160 000 (6000 RS)** | **180 000 (6000 2RS)**

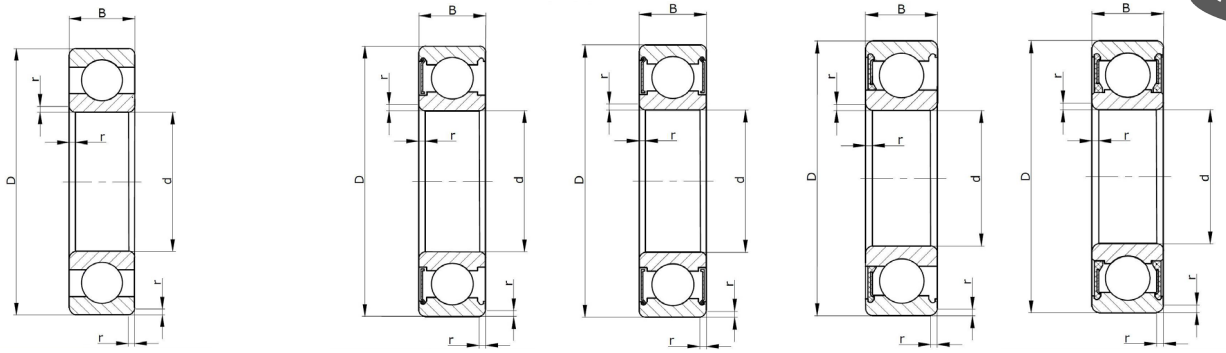
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 180613 | 62313 2RS | 65 | 140 | 48 | | 2,35 | 92,3 | 56 | 3200 | - |
| 180614 | 62314 2RS | 70 | 150 | 51 | | 2,75 | 104 | 63 | 3000 | - |
| | | | | | | | | | | |
| 180706 | - | 30 | 78 | 19/28 | | 0,55 | 28,1 | 14,8 | 6300 | - |
| 180707 | - | 35 | 80 | 23 | | 0,5 | 35,7 | 18,4 | 6000 | - |
| | | | | | | | | | | |
| 1180211 | - | 55 | 100 | 23 | | 0,655 | 43,6 | 25 | 4300 | - |
| | | | | | | | | | | |
| 1180304 | - | 20 | 52 | 18 | | 0,168 | 19 | 10 | 9000 | - |
| 1180305 | - | 25 | 62 | 21 | | 0,28 | 27 | 15 | 8000 | - |
| | | | | | | | | | | |
| 1180800 | 61800 2RS | 10 | 19 | 5 | | 0,005 | 1,72 | 0,84 | 24000 | - |
| 1180801 | 61801 2RS | 12 | 21 | 5 | | 0,006 | 19,2 | 1,04 | 20000 | - |
| 1180802 | 61802 2RS | 15 | 24 | 5 | | 0,08 | 2,07 | 1,26 | 17000 | - |
| 1180803 | 61803 2RS | 17 | 26 | 5 | | 0,007 | 2,63 | 1,57 | 15000 | - |
| 1180804 | 61804 2RS | 20 | 32 | 7 | | 0,017 | 4 | 2,47 | 13000 | - |
| 1180805 | 61805 2RS | 25 | 42 | 9 | | 0,042 | 7,05 | 4,55 | 10000 | - |
| 1180806 | 61806 2RS | 30 | 42 | 7 | | 0,024 | 4,7 | 3,65 | 9000 | - |
| 1180807 | 61807 2RS | 35 | 47 | 7 | | 0,027 | 4,9 | 4,1 | 7500 | - |
| 1180808 | 61808 2RS | 40 | 52 | 7 | | 0,031 | 6,35 | 5,55 | 6700 | - |
| 1180809 | 61809 2RS | 45 | 58 | 7 | | 0,038 | 6,6 | 6,15 | 6000 | - |
| 1180810 | 61810 2RS | 50 | 65 | 7 | | 0,05 | 6,4 | 6,2 | 5300 | - |
| 1180811 | 61811 2RS | 55 | 72 | 9 | | 0,081 | 8,8 | 8,5 | 4800 | - |
| 1180812 | 61812 2RS | 60 | 78 | 10 | | 0,103 | 11,5 | 10,9 | 4500 | - |
| 1180813 | 61813 2RS | 65 | 85 | 10 | | 0,128 | 11,9 | 12,1 | 4000 | - |
| 1180814 | 61814 2RS | 70 | 90 | 10 | | 0,134 | 12,1 | 12,7 | 3800 | - |
| 1180815 | 61815 2RS | 75 | 95 | 10 | | 0,149 | 12,5 | 13,9 | 3600 | - |
| 1180816 | 61816 2RS | 80 | 100 | 10 | | 0,151 | 12,7 | 14,5 | 3400 | - |
| 1180817 | 61817 2RS | 85 | 110 | 13 | | 0,263 | 18,7 | 20 | 3200 | - |
| 1180818 | 61818 2RS | 90 | 115 | 13 | | 0,276 | 19 | 21 | 3000 | - |
| 1180819 | 61819 2RS | 95 | 120 | 13 | | 0,297 | 19,3 | 22 | 2800 | - |
| 1180820 | 61820 2RS | 100 | 125 | 13 | | 0,31 | 19,6 | 23 | 2800 | - |
| 1180822 | 61822 2RS | 110 | 140 | 16 | | 0,497 | 28,1 | 32,5 | 2400 | - |
| 1180824 | 61824 2RS | 120 | 150 | 16 | | 0,537 | 28,9 | 35,5 | 2200 | - |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** | **60 000 (6000 Z)** | **80 000 (6000 ZZ)** | **160 000 (6000 RS)** | **180 000 (6000 2RS)**

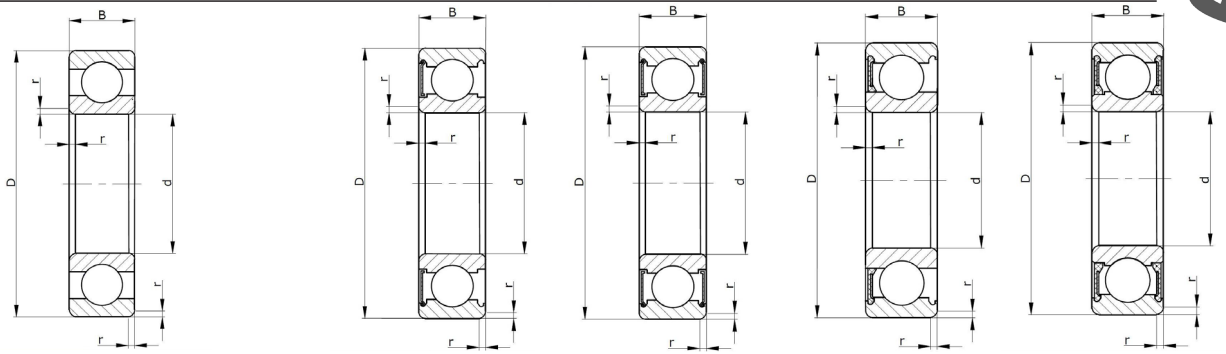
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1180826 | 61826 2RS | 130 | 165 | 18 | | 0,758 | 37 | 44 | 2000 | - |
| 1180828 | 61828 2RS | 140 | 175 | 18 | | 0,832 | 38,5 | 48 | 1800 | - |
| 1180830 | 61830 2RS | 150 | 190 | 20 | | 1,15 | 47,5 | 58,5 | 1800 | - |
| 1180832 | 61832 2RS | 160 | 200 | 20 | | 1,23 | 48,5 | 61 | 1700 | - |
| 1180834 | 61834 2RS | 170 | 215 | 22 | | 1,86 | 60 | 75 | 1600 | - |
| | | | | | | | | | | |
| 1180900 | 61900 2RS | 10 | 22 | 6 | | 0,009 | 2,7 | 1,27 | 22000 | - |
| 1180901 | 61901 2RS | 12 | 24 | 6 | | 0,01 | 2,89 | 1,46 | 20000 | - |
| 1180902 | 61902 2RS | 15 | 28 | 7 | | 0,015 | 4,35 | 2,26 | 17000 | - |
| 1180903 | 61903 2RS | 17 | 30 | 7 | | 0,017 | 4,6 | 2,55 | 15000 | - |
| 1180904 | 61904 2RS | 20 | 37 | 9 | | 0,037 | 6,4 | 3,7 | 12000 | - |
| 1180906 | 61906 2RS | 30 | 47 | 9 | | 0,051 | 7,28 | 4,55 | 8000 | - |
| 1180907 | 61907 2RS | 35 | 55 | 10 | | 0,075 | 10,6 | 7,25 | 7500 | - |
| 1180908 | 61908 2RS | 40 | 62 | 12 | | 0,112 | 13,7 | 10 | 6300 | - |
| 1180909 | 61909 2RS | 45 | 68 | 12 | | 0,126 | 14,1 | 10,9 | 5600 | - |
| 1180910 | 61910 2RS | 50 | 72 | 12 | | 0,135 | 14,5 | 11,7 | 5300 | - |
| 1180911 | 61911 2RS | 55 | 80 | 13 | | 0,189 | 16 | 13,3 | 4500 | - |
| 1180912 | 61912 2RS | 60 | 85 | 13 | | 0,192 | 19,4 | 16,3 | 4300 | - |
| 1180913 | 61913 2RS | 65 | 90 | 13 | | 0,218 | 17,4 | 16,1 | 4000 | - |
| 1180914 | 61914 2RS | 70 | 100 | 16 | | 0,349 | 23,7 | 21,2 | 3600 | - |
| 1180915 | 61915 2RS | 75 | 105 | 16 | | 0,364 | 24,4 | 22,6 | 3400 | - |
| 1180916 | 61916 2RS | 80 | 110 | 16 | | 0,391 | 25 | 24 | 3200 | - |
| 1180917 | 61917 2RS | 85 | 120 | 18 | | 0,55 | 32 | 29,6 | 3000 | - |
| 1180918 | 61918 2RS | 90 | 125 | 18 | | 0,585 | 33 | 31,5 | 2800 | - |
| 1180919 | 61919 2RS | 95 | 130 | 18 | | 0,601 | 33,5 | 33,5 | 2800 | - |
| 1180920 | 61920 2RS | 100 | 140 | 20 | | 0,828 | 43 | 42 | 2600 | - |
| 1180922 | 61922 2RS | 110 | 150 | 20 | | 0,893 | 43,5 | 44,5 | 2400 | - |
| 1180930 | 61930 2RS | 150 | 210 | 28 | | 3,01 | 85 | 90,5 | 1700 | - |
| 1180932 | 61932 2RS | 160 | 220 | 28 | | 2,71 | 87 | 96 | 1600 | - |
| | | | | | | | | | | |
| 3180202 | - | 15 | 35 | 15,9 | | 0,06 | 7,8 | 3,55 | 13000 | - |
| 3180203 | - | 17 | 40 | 17,5 | | 0,09 | 9,56 | 4,5 | 12000 | - |
| 3180204 | - | 20 | 47 | 20,6 | | 0,17 | 12,7 | 6,2 | 10000 | - |
| 3180205 | - | 25 | 52 | 20,6 | | 0,21 | 14 | 6,95 | 8500 | - |

# RADIAL BALL BEARINGS
# SINGLE-ROW OPENED AND CLOSED

DESIGN OPTIONS:

| | | |
|---|---|---|
| 000 | (6000) | - open |
| 60 000 | (6000 Z) | - with protective shields on one side |
| 80 000 | (6000 ZZ) | - with protective shields on both sides |
| 160 000 | (6000 RS) | - with seals on one side |
| 180 000 | (6000 2RS) | - with seals on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous);
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials




**000 (6000)** **60 000 (6000 Z)** **80 000 (6000 ZZ)** **160 000 (6000 RS)** **180 000 (6000 2RS)**

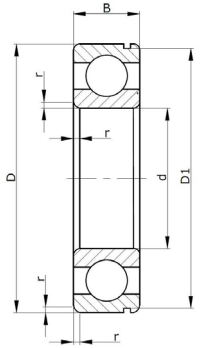
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weigh (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3180206 | - | 30 | 62 | 23,8 | | 0,32 | 19,5 | 10 | 7500 | - |
| 3180207 | - | 35 | 72 | 27 | | 0,47 | 25,5 | 13,7 | 6300 | - |
| 3180208 | - | 40 | 80 | 30,2 | | 0,6 | 32 | 17,8 | 5600 | - |
| 3180209 | - | 45 | 85 | 30,2 | | 0,65 | 33,2 | 18,6 | 5300 | - |

# RADIAL BALL BEARINGS SINGLE-ROW OPENED AND CLOSED WITH GROOVE UNDER THE RETAINING RACE

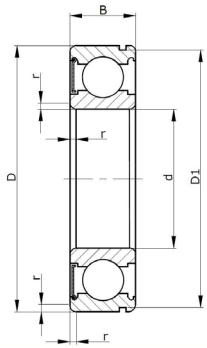
DESIGN OPTIONS:

| | | |
|---|---|---|
| 50 000 | (6000 N) | - with groove under the retaining race on inner ring |
| 150 000 | (6000 ZN) | - with groove under the retaining race and protective shields from one side |
| 450 000<br>750 000 | (6000 2ZN)<br>(6000 2RSN) | - with groove under the retaining race and protective shields or with contact seals on two sides |

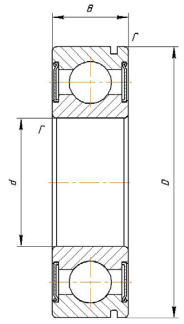
OPTIONS OF SEPARATOR DESIGN
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous); ;
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials.



**50 000 (6000 N)**



**150 000 (6000 NZ)**



**450 000 (6000 NZZ)**
**750 000 (6000 N2RS)**

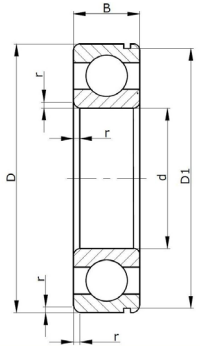
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 50104 | 6004 N | 20 | 42 | 12 | | 0,07 | 9,36 | 5 | 17000 | 20000 |
| 50105 | 6005 N | 25 | 47 | 12 | | 0,08 | 11,2 | 6,5 | 15000 | 18000 |
| 50106 | 6006 N | 30 | 55 | 13 | | 0,12 | 13,3 | 8,3 | 12000 | 15000 |
| 50107 | 6007 N | 35 | 62 | 14 | | 0,16 | 15,9 | 8,2 | 10000 | 13000 |
| 50108 | 6008 N | 40 | 68 | 15 | | 0,19 | 16,8 | 11,6 | 9500 | 12000 |
| 50109 | 6009 N | 45 | 75 | 16 | | 0,25 | 21,2 | 12,2 | 9000 | 11000 |
| 50110 | 6010 N | 50 | 80 | 16 | | 0,25 | 21,6 | 16 | 8500 | 10000 |
| 50115 | 6015 N | 75 | 115 | 20 | | 0,64 | 39,7 | 33,5 | 5600 | 6700 |
| 50116 | 6016 N | 80 | 125 | 22 | | 0,85 | 47,7 | 31,5 | 5600 | 6700 |
| | | | | | | | | | | |
| 50202 | 6202 N | 15 | 35 | 11 | | 0,046 | 7,8 | 3,75 | 19000 | 24000 |
| 50203 | 6203 N | 17 | 40 | 12 | | 0,06 | 9,56 | 4,75 | 17000 | 20000 |
| 50204 | 6204 N | 20 | 47 | 14 | | 0,1 | 12,7 | 6,55 | 15000 | 18000 |
| 50205 | 6205 N | 25 | 52 | 15 | | 0,12 | 14 | 7,8 | 12000 | 15000 |
| 50206 | 6206 N | 30 | 62 | 16 | | 0,2 | 19,5 | 11,2 | 10000 | 13000 |
| 50207 | 6207 N | 35 | 72 | 17 | | 0,29 | 25,5 | 15,3 | 9000 | 11000 |
| 50208 | 6208 N | 40 | 80 | 18 | | 0,36 | 32 | 19 | 8500 | 10000 |
| 50209 | 6209 N | 45 | 85 | 19 | | 0,41 | 36,4 | 21,6 | 7500 | 9000 |
| 50210 | 6210 N | 50 | 90 | 20 | | 0,464 | 35,1 | 23,2 | 7000 | 8500 |
| 50211 | 6211 N | 55 | 100 | 21 | | 0,6 | 43,6 | 29 | 6300 | 7500 |
| 50212 | 6212 N | 60 | 110 | 22 | | 0,787 | 52 | 32,5 | 6000 | 7100 |
| 50213 | 6213 N | 65 | 120 | 23 | | 0,995 | 56 | 40,5 | 5300 | 6300 |
| 50215 | 6215 N | 75 | 130 | 25 | | 1,19 | 66,3 | 49 | 4800 | 5600 |
| 50216 | 6216 N | 80 | 140 | 26 | | 1,41 | 70,2 | 55 | 4500 | 5300 |
| 50217 | 6217 N | 85 | 150 | 28 | | 1,77 | 83,2 | 64 | 4300 | 5000 |
| 50218 | 6218 N | 90 | 160 | 30 | | 2,12 | 95,6 | 73,5 | 3000 | 4500 |
| | | | | | | | | | | |
| 50300 | 6300 N | 10 | 35 | 11 | | 0,05 | 8,06 | 3,75 | 20000 | 26000 |
| 50303 | 6303 N | 17 | 47 | 14 | | 0,11 | 13,5 | 6,65 | 16000 | 19000 |
| 50304 | 6304 N | 20 | 52 | 15 | | 0,14 | 15,9 | 7,8 | 13000 | 16000 |
| 50305 | 6305 N | 25 | 62 | 17 | | 0,23 | 22,5 | 11,6 | 11000 | 14000 |
| 50306 | 6306 N | 30 | 72 | 19 | | 0,35 | 28,1 | 16 | 9000 | 11000 |
| 50307 | 6307 N | 35 | 80 | 21 | | 0,44 | 33,2 | 19 | 8500 | 10000 |

# RADIAL BALL BEARINGS SINGLE-ROW OPENED AND CLOSED WITH GROOVE UNDER THE RETAINING RACE

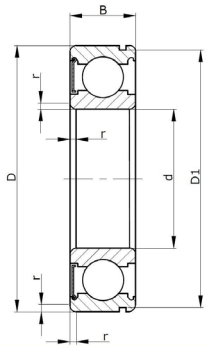
DESIGN OPTIONS:

| | | |
|---|---|---|
| 50 000 | (6000 N) | - with groove under the retaining race on inner ring |
| 150 000 | (6000 ZN) | - with groove under the retaining race and protective shields from one side |
| 450 000<br>750 000 | (6000 2ZN)<br>(6000 2RSN) | - with groove under the retaining race and protective shields or with contact seals on two sides |

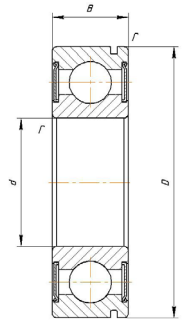
OPTIONS OF SEPARATOR DESIGN
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous); ;
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials.




**50 000 (6000 N)**




**150 000 (6000 NZ)**




**450 000 (6000 NZZ)**
**750 000 (6000 N2RS)**

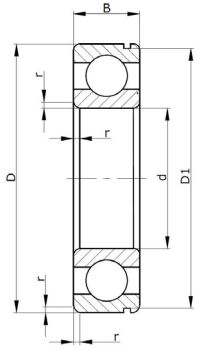
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 50308 | 6308 N | 40 | 90 | 23 | | 0,63 | 41 | 24 | 7500 | 9000 |
| 50309 | 6309 N | 45 | 100 | 25 | | 0,833 | 52,7 | 31,5 | 6700 | 8000 |
| 50310 | 6310 N | 50 | 110 | 27 | | 1,075 | 61,8 | 38 | 6300 | 7500 |
| 50311 | 6311 N | 55 | 120 | 29 | | 1,37 | 71,5 | 45 | 5600 | 6700 |
| 50312 | 6312 N | 60 | 130 | 31 | | 1,72 | 81,9 | 52 | 5000 | 6000 |
| 50313 | 6313 N | 65 | 140 | 33 | | 2,1 | 92,3 | 60 | 4800 | 5600 |
| 50314 | 6314 N | 70 | 150 | 35 | | 2,53 | 104 | 68 | 4500 | 5300 |
| 50315 | 6315 N | 75 | 160 | 37 | | 3,03 | 114 | 76,5 | 4300 | 5000 |
| 50316 | 6316 N | 80 | 170 | 39 | | 3,62 | 124 | 86,5 | 3800 | 4500 |
| 50319 | 6319 N | 95 | 200 | 45 | | 5,79 | 152 | 118 | 3200 | 3800 |
| | | | | | | | | | | |
| 50406 | 6406 N | 30 | 90 | 23 | | 0,72 | 47 | 26,7 | 8500 | 10000 |
| 50407 | 6407 N | 35 | 100 | 25 | | 0,922 | 55,3 | 31 | 7000 | 8500 |
| 50408 | 6408 N | 40 | 110 | 27 | | 1,17 | 63,7 | 36,5 | 6700 | 8000 |
| 50409 | 6409 N | 45 | 120 | 29 | | 1,5 | 76,1 | 45,5 | 6000 | 7000 |
| 50410 | 6410 N | 50 | 130 | 31 | | 1,88 | 87,1 | 52 | 5300 | 6300 |
| 50411 | 6411 N | 55 | 140 | 33 | | 2,3 | 100 | 63 | 5000 | 6000 |
| 50412 | 6412 N | 60 | 150 | 35 | | 2,8 | 108 | 70 | 4800 | 5600 |
| 50413 | 6413 N | 65 | 160 | 37 | | 3,41 | 119 | 78 | 3200 | 4000 |
| 50414 | 6414 N | 70 | 180 | 42 | | 5,3 | 143 | 105 | 3800 | 4500 |
| 50415 | 6415 N | 75 | 190 | 45 | | 5,7 | 153 | 114 | 3600 | 4300 |
| 50416 | 6416 N | 80 | 200 | 48 | | 7 | 163 | 125 | 3400 | 4000 |
| 50420 | 6420 N | 100 | 250 | 58 | | 12,7 | 224 | 195 | 2600 | 3400 |
| | | | | | | | | | | |
| 50706 | - | 30 | 75 | 19 | | 0,378 | 26 | 17,6 | 8000 | 10000 |
| | | | | | | | | | | |
| 150102 | 6002 ZN | 15 | 32 | 10 | | 0,03 | 5,6 | 2,85 | 22000 | 28000 |
| 150103 | 6003 ZN | 17 | 35 | 10 | | 0,04 | 6 | 3,25 | 22000 | 28000 |
| 150104 | 6004 ZN | 20 | 42 | 12 | | 0,07 | 9,36 | 5 | 17000 | 20000 |
| 150105 | 6005 ZN | 25 | 47 | 12 | | 0,08 | 11,2 | 5,6 | 16000 | 19000 |
| 150106 | 6006 ZN | 30 | 55 | 13 | | 0,12 | 13,3 | 8,3 | 12000 | 15000 |
| 150107 | 6007 ZN | 35 | 62 | 14 | | 0,16 | 15,9 | 8,5 | 11000 | 14000 |
| 150108 | 6008 ZN | 40 | 68 | 15 | | 0,19 | 16,8 | 9,3 | 10000 | 13000 |
| 150109 | 6009 ZN | 45 | 75 | 16 | | 0,25 | 21,2 | 12,2 | 9000 | 11000 |

# RADIAL BALL BEARINGS SINGLE-ROW OPENED AND CLOSED WITH GROOVE UNDER THE RETAINING RACE

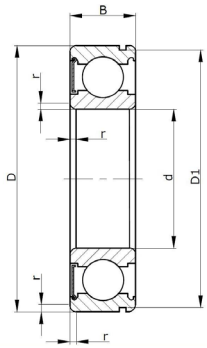
DESIGN OPTIONS:

| | | |
|---|---|---|
| 50 000 | (6000 N) | - with groove under the retaining race on inner ring |
| 150 000 | (6000 ZN) | - with groove under the retaining race and protective shields from one side |
| 450 000<br>750 000 | (6000 2ZN)<br>(6000 2RSN) | - with groove under the retaining race and protective shields or with contact seals on two sides |

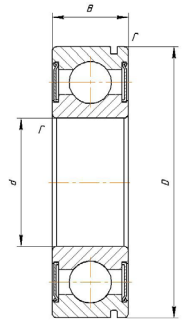
OPTIONS OF SEPARATOR DESIGN
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous); ;
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials.



**50 000 (6000 N)**



**150 000 (6000 NZ)**



**450 000 (6000 NZZ)**
**750 000 (6000 N2RS)**

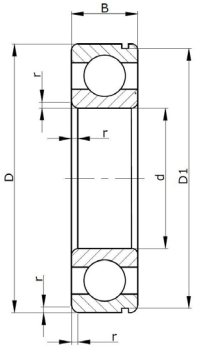
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 150110 | 6010 ZN | 50 | 80 | 16 | | 0,25 | 21,6 | 16 | 8500 | 10000 |
| 150111 | 6011 ZN | 55 | 90 | 18 | | 0,39 | 28,5 | 17 | 7500 | 9000 |
| 150113 | 6013 ZN | 65 | 100 | 18 | | 0,436 | 30,5 | 19,6 | 6300 | 7500 |
| 150114 | 6014 ZN | 70 | 110 | 20 | | 0,604 | 39 | 31,5 | 5600 | 6700 |
| 150115 | 6015 ZN | 75 | 115 | 20 | | 0,61 | 39,7 | 34 | 5600 | 6700 |
| 150116 | 6016 ZN | 80 | 125 | 22 | | 0,873 | 47,7 | 40 | 5000 | 6000 |
| | | | | | | | | | | |
| 150200 | 6200 ZN | 10 | 30 | 9 | | 0,03 | 5,9 | 2,65 | 24000 | 30000 |
| 150202 | 6202 ZN | 15 | 35 | 11 | | 0,046 | 7,8 | 3,75 | 19000 | 24000 |
| 150203 | 6203 ZN | 17 | 40 | 12 | | 0,065 | 9,56 | 4,5 | 17000 | 20000 |
| 150204 | 6204 ZN | 20 | 47 | 14 | | 0,1 | 12,7 | 6,55 | 15000 | 18000 |
| 150205 | 6205 ZN | 25 | 52 | 15 | | 0,122 | 14 | 6,95 | 12000 | 15000 |
| 150206 | 6206 ZN | 30 | 62 | 16 | | 0,2 | 19,5 | 11,2 | 10000 | 13000 |
| 150207 | 6207 ZN | 35 | 72 | 17 | | 0,29 | 25,5 | 13,7 | 7000 | 11000 |
| 150208 | 6208 ZN | 40 | 80 | 18 | | 0,36 | 32 | 19 | 8500 | 10000 |
| 150209 | 6209 ZN | 45 | 85 | 19 | | 0,41 | 33,2 | 18,6 | 7500 | 9000 |
| 150210 | 6210 ZN | 50 | 90 | 20 | | 0,464 | 35,1 | 23,2 | 7000 | 8500 |
| 150211 | 6211 ZN | 55 | 100 | 21 | | 0,595 | 43,6 | 25 | 6300 | 7500 |
| 150212 | 6212 ZN | 60 | 110 | 22 | | 0,787 | 52 | 32,5 | 6000 | 7000 |
| 150213 | 6213 ZN | 65 | 120 | 23 | | 0,995 | 56 | 40,5 | 5300 | 6300 |
| 150214 | 6214 ZN | 70 | 125 | 24 | | 1,08 | 62 | 44 | 5000 | 6000 |
| 150215 | 6215 ZN | 75 | 130 | 25 | | 1,18 | 66,3 | 49 | 4800 | 5600 |
| 150216 | 6216 ZN | 80 | 140 | 26 | | 1,402 | 72 | 53 | 4500 | 5300 |
| 150217 | 6217 ZN | 85 | 150 | 28 | | 1,77 | 83,2 | 64 | 4300 | 5000 |
| 150218 | 6218 ZN | 90 | 160 | 30 | | 2,2 | 96,5 | 72 | 3800 | 4500 |
| | | | | | | | | | | |
| 150302 | 6302 ZN | 15 | 42 | 13 | | 0,085 | 11,4 | 5,4 | 18000 | 22000 |
| 150303 | 6303 ZN | 17 | 47 | 14 | | 0,115 | 13,4 | 6,55 | 16000 | 19000 |
| 150304 | 6304 ZN | 20 | 52 | 15 | | 0,14 | 15,9 | 7,8 | 13000 | 16000 |
| 150305 | 6305 ZN | 25 | 62 | 17 | | 0,23 | 22,5 | 11,4 | 11000 | 13000 |
| 150306 | 6306 ZN | 30 | 72 | 19 | | 0,346 | 28,1 | 14,6 | 9000 | 11000 |
| 150307 | 6307 ZN | 25 | 80 | 21 | | 0,44 | 33,2 | 19 | 8500 | 10000 |
| 150308 | 6308 ZN | 40 | 90 | 23 | | 0,63 | 41 | 24 | 7500 | 9000 |
| 150309 | 6309 ZN | 45 | 100 | 25 | | 0,833 | 52,7 | 31,5 | 6700 | 8000 |

# RADIAL BALL BEARINGS SINGLE-ROW OPENED AND CLOSED WITH GROOVE UNDER THE RETAINING RACE

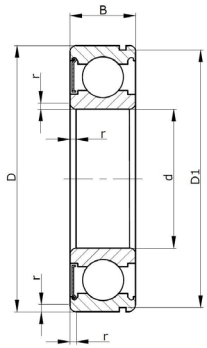
DESIGN OPTIONS:

| | | |
|---|---|---|
| 50 000 | (6000 N) | - with groove under the retaining race on inner ring |
| 150 000 | (6000 ZN) | - with groove under the retaining race and protective shields from one side |
| 450 000<br>750 000 | (6000 2ZN)<br>(6000 2RSN) | - with groove under the retaining race and protective shields or with contact seals on two sides |

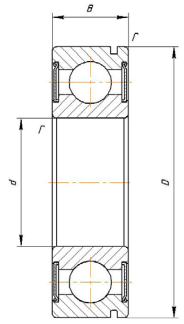
OPTIONS OF SEPARATOR DESIGN
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous); ;
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials.



**50 000 (6000 N)**



**150 000 (6000 NZ)**



**450 000 (6000 NZZ)**
**750 000 (6000 N2RS)**

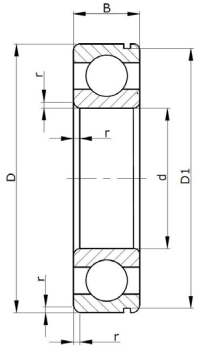
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 150310 | 6310 ZN | 50 | 110 | 27 | | 1,08 | 61,8 | 36 | 6000 | 7000 |
| 150311 | 6311 ZN | 55 | 120 | 29 | | 1,39 | 76,5 | 47,5 | 5300 | 6300 |
| 150312 | 6312 ZN | 60 | 130 | 31 | | 1,72 | 84,9 | 52 | 5000 | 6000 |
| 150314 | 6314 ZN | 70 | 150 | 35 | | 2,5 | 104 | 63 | 4500 | 5300 |
| 150315 | 6315 ZN | 75 | 160 | 37 | | 3,02 | 112 | 72,5 | 3400 | 4300 |
| 150317 | 6317 ZN | 85 | 180 | 41 | | 4,3 | 133 | 90 | 3000 | 4000 |
| 150319 | 6319ZN | 95 | 200 | 45 | | 5,8 | 153 | 110 | 2800 | 3400 |
| | | | | | | | | | | |
| 150408 | 6408 ZN | 40 | 110 | 27 | | 1,127 | 63,7 | 36,5 | 6700 | 8000 |
| 150409 | 6409 ZN | 45 | 120 | 29 | | 1,5 | 76,1 | 45,5 | 6000 | 7000 |
| | | | | | | | | | | |
| 450102 | 6002 2ZN | 15 | 32 | 9 | | 0,03 | 5,6 | 2,85 | 24000 | - |
| 450103 | 6003 2ZN | 17 | 35 | 10 | | 0,04 | 6,3 | 3,25 | 22000 | - |
| 450104 | 6004 2ZN | 20 | 42 | 12 | | 0,07 | 9,36 | 4,5 | 17000 | - |
| 450105 | 6005 2ZN | 25 | 47 | 12 | | 0,08 | 11,2 | 5,6 | 16000 | - |
| 450106 | 6006 2ZN | 30 | 55 | 13 | | 0,119 | 12,7 | 8 | 13000 | - |
| 450107 | 6007 2ZN | 35 | 62 | 14 | | 0,16 | 15,9 | 8,5 | 11000 | - |
| 450108 | 6008 2ZN | 40 | 68 | 15 | | 0,19 | 16,8 | 9,3 | 10000 | - |
| 450109 | 6009 2ZN | 45 | 75 | 16 | | 0,25 | 21,2 | 12,2 | 9000 | - |
| 450111 | 6011 2ZN | 66 | 90 | 18 | | 0,9 | 28,5 | 17 | 7500 | - |
| 450113 | 6013 2ZN | 65 | 100 | 18 | | 0,435 | 30,5 | 19,6 | 6300 | - |
| 450114 | 6014 2ZN | 70 | 110 | 20 | | 0,604 | 39 | 31,5 | 6000 | - |
| 450115 | 6015 2ZN | 75 | 115 | 20 | | 0,61 | 39,7 | 34 | 6000 | - |
| 450116 | 6016 2ZN | 80 | 125 | 22 | | 0,873 | 47,7 | 40 | 5000 | - |
| | | | | | | | | | | |
| 450202 | 6202 2ZN | 15 | 35 | 11 | | 0,047 | 7,8 | 3,55 | 20000 | - |
| 450203 | 6203 2ZN | 17 | 40 | 12 | | 0,065 | 9,56 | 4,5 | 17000 | - |
| 450204 | 6204 2ZN | 20 | 47 | 14 | | 0,105 | 12,7 | 6,55 | 15000 | - |
| 450205 | 6205 2ZN | 25 | 52 | 15 | | 0,122 | 14 | 6,95 | 12000 | - |
| 450206 | 6206 2ZN | 30 | 62 | 16 | | 0,19 | 19,3 | 11,2 | 11000 | - |
| 450207 | 6207 2ZN | 35 | 72 | 17 | | 0,29 | 25,5 | 13,2 | 9000 | - |
| 450208 | 6208 2ZN | 40 | 80 | 18 | | 0,36 | 29 | 18 | 8500 | - |
| 450209 | 6209 2ZN | 45 | 85 | 19 | | 0,404 | 32,5 | 18,6 | 7500 | - |
| 450210 | 6210 2ZN | 50 | 90 | 20 | | 0,47 | 35,1 | 19,8 | 7000 | - |

# RADIAL BALL BEARINGS SINGLE-ROW OPENED AND CLOSED WITH GROOVE UNDER THE RETAINING RACE

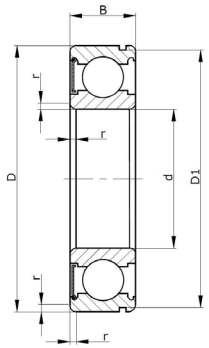
DESIGN OPTIONS:

| | | |
|---|---|---|
| 50 000 | (6000 N) | - with groove under the retaining race on inner ring |
| 150 000 | (6000 ZN) | - with groove under the retaining race and protective shields from one side |
| 450 000<br>750 000 | (6000 2ZN)<br>(6000 2RSN) | - with groove under the retaining race and protective shields or with contact seals on two sides |

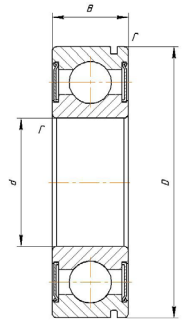
OPTIONS OF SEPARATOR DESIGN
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous); ;
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials.



**50 000 (6000 N)**



**150 000 (6000 NZ)**



**450 000 (6000 NZZ)**
**750 000 (6000 N2RS)**

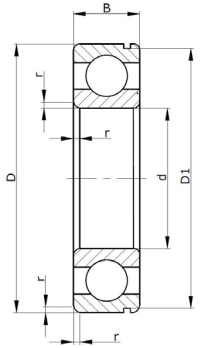
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 450211 | 6211 2ZN | 55 | 100 | 21 | | 0,61 | 43,6 | 25 | 6300 | - |
| 450212 | 6212 2ZN | 60 | 110 | 22 | | 0,771 | 52 | 36 | 6000 | - |
| 450213 | 6213 2ZN | 65 | 120 | 23 | | 0,997 | 60 | 41,5 | 5300 | - |
| 450214 | 6214 2ZN | 70 | 125 | 24 | | 1,08 | 62 | 44 | 5000 | - |
| 450215 | 6215 2ZN | 75 | 130 | 25 | | 1,18 | 66,3 | 49 | 4800 | - |
| 450216 | 6216 2ZN | 80 | 140 | 26 | | 1,402 | 72 | 53 | 4500 | - |
| 450217 | 6217 2ZN | 85 | 150 | 28 | | 1,816 | 83,2 | 64 | 4000 | - |
| 450218 | 6218 2ZN | 90 | 160 | 30 | | 2,2 | 96,5 | 72 | 3800 | - |
| | | | | | | | | | | |
| 450302 | 6302 2ZN | 15 | 42 | 13 | | 0,085 | 11,4 | 5,4 | 18000 | - |
| 450303 | 6303 2ZN | 17 | 47 | 14 | | 0,115 | 13,4 | 6,55 | 16000 | - |
| 450304 | 6304 2ZN | 20 | 52 | 15 | | 0,148 | 17,3 | 8,5 | 14000 | - |
| 450305 | 6305 2ZN | 25 | 62 | 17 | | 0,23 | 22,5 | 11,4 | 11000 | - |
| 450306 | 6306 2ZN | 30 | 72 | 19 | | 0,34 | 28,1 | 14,6 | 9500 | - |
| 450307 | 6307 2ZN | 35 | 80 | 21 | | 0,458 | 33,5 | 19 | 8500 | - |
| 450308 | 6308 2ZN | 40 | 90 | 23 | | 0,63 | 41 | 22,4 | 7500 | - |
| 450309 | 6309 2ZN | 45 | 100 | 25 | | 0,83 | 52,7 | 30 | 6300 | - |
| 450310 | 6310 2ZN | 50 | 110 | 27 | | 1,08 | 61,8 | 36 | 6000 | - |
| 450311 | 6311 2ZN | 55 | 120 | 29 | | 1,39 | 76,5 | 47,5 | 5300 | - |
| 450312 | 6312 2ZN | 60 | 130 | 31 | | 1,7 | 81,9 | 48 | 5000 | - |
| 450314 | 6314 2ZN | 70 | 150 | 35 | | 2,54 | 104 | 63 | 4500 | - |
| 450315 | 6315 2ZN | 75 | 160 | 37 | | 3,02 | 112 | 72,5 | 4000 | - |
| 450316 | 6316 2ZN | 80 | 170 | 39 | | 3,7 | 124 | 80 | 3200 | - |
| 450317 | 6317 2zn | 85 | 180 | 41 | | 4,3 | 133 | 90 | 3400 | - |
| 450319 | 6319 2zn | 95 | 200 | 45 | | 5,7 | 153 | 110 | 2800 | - |
| | | | | | | | | | | |
| 750100 | - | 10 | 26 | 8 | | 0,019 | - | - | - | - |
| 750101 | - | 12 | 28 | 8 | | 0,021 | - | - | - | - |
| 750102 | - | 15 | 32 | 9 | | 0,03 | 5,6 | 2,85 | 24000 | - |
| 750103 | - | 17 | 35 | 10 | | 0,04 | 6,3 | 3,25 | 22000 | - |
| 750104 | - | 20 | 42 | 12 | | 0,07 | 9,36 | 4,5 | 17000 | - |
| 750105 | - | 25 | 47 | 12 | | 0,08 | 11,2 | 5,6 | 16000 | - |
| 750106 | - | 30 | 55 | 13 | | 0,119 | 12,7 | 8 | 13000 | - |
| 750107 | - | 35 | 62 | 14 | | 0,16 | 15,9 | 8,5 | 11000 | - |

# RADIAL BALL BEARINGS SINGLE-ROW OPENED AND CLOSED WITH GROOVE UNDER THE RETAINING RACE

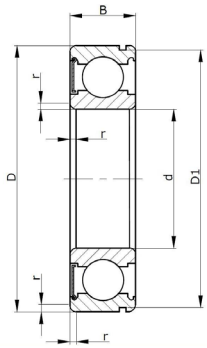
DESIGN OPTIONS:

| | | |
|---|---|---|
| 50 000 | (6000 N) | - with groove under the retaining race on inner ring |
| 150 000 | (6000 ZN) | - with groove under the retaining race and protective shields from one side |
| 450 000<br>750 000 | (6000 2ZN)<br>(6000 2RSN) | - with groove under the retaining race and protective shields or with contact seals on two sides |

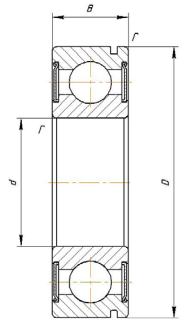
OPTIONS OF SEPARATOR DESIGN
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous); ;
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials.



**50 000 (6000 N)**



**150 000 (6000 NZ)**



**450 000 (6000 NZZ)**
**750 000 (6000 N2RS)**

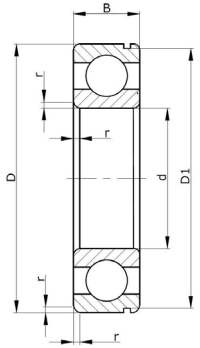
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 750108 | - | 40 | 68 | 15 | | 0,19 | 16,8 | 9,3 | 10000 | - |
| 750109 | - | 45 | 75 | 16 | | 0,25 | 21,2 | 12,2 | 9000 | - |
| 750110 | - | 50 | 80 | 16 | | 0,25 | 21,6 | 16 | 8500 | - |
| 750111 | - | 55 | 90 | 18 | | 0,9 | 28,5 | 17 | 7500 | - |
| 750112 | - | 60 | 95 | 18 | | 0,41 | - | - | - | - |
| 750113 | - | 65 | 100 | 18 | | 0,435 | 30,5 | 19,6 | 6300 | - |
| 750114 | - | 70 | 110 | 20 | | 0,604 | 39 | 31,5 | 6000 | - |
| 750115 | - | 75 | 115 | 20 | | 0,61 | 39,7 | 34 | 6000 | - |
| 750116 | - | 80 | 125 | 22 | | 0,873 | 47,7 | 40 | 5000 | - |
| 750117 | - | 85 | 130 | 22 | | 0,895 | - | - | - | - |
| 750118 | - | 90 | 140 | 24 | | 1,18 | - | - | - | - |
| 750119 | - | 95 | 145 | 24 | | 1,21 | - | - | - | - |
| | | | | | | | | | | |
| 750200 | - | 10 | 30 | 9 | | 0,03 | - | - | - | - |
| 750201 | - | 12 | 32 | 10 | | 0,035 | - | - | - | - |
| 750202 | - | 15 | 35 | 11 | | 0,047 | 7,8 | 3,55 | 20000 | - |
| 750203 | - | 17 | 40 | 12 | | 0,065 | 9,56 | 4,5 | 17000 | - |
| 750204 | - | 20 | 47 | 14 | | 0,105 | 12,7 | 6,55 | 15000 | - |
| 750205 | - | 25 | 52 | 15 | | 0,13 | 14 | 6,95 | 12000 | - |
| 750206 | - | 30 | 62 | 16 | | 0,21 | 19,3 | 11,2 | 11000 | - |
| 750207 | - | 35 | 72 | 17 | | 0,29 | 25,5 | 13,2 | 9000 | - |
| 750208 | - | 40 | 80 | 18 | | 0,37 | 29 | 18 | 8500 | - |
| 750209 | - | 45 | 85 | 19 | | 0,404 | 32,5 | 18,6 | 7500 | - |
| 750210 | - | 50 | 90 | 20 | | 0,48 | 35,1 | 19,8 | 7000 | - |
| 750211 | - | 55 | 100 | 21 | | 0,61 | 43,6 | 25 | 6300 | - |
| 750212 | - | 60 | 110 | 22 | | 0,771 | 52 | 36 | 6000 | - |
| 750213 | - | 65 | 120 | 23 | | 0,982 | 60 | 41,5 | 5300 | - |
| 750214 | - | 70 | 125 | 24 | | 1,08 | 62 | 44 | 5000 | - |
| 750215 | - | 75 | 160 | 37 | | 1,21 | 66,3 | 49 | 4800 | - |
| 750216 | - | 80 | 140 | 26 | | 1,42 | 72 | 53 | 4500 | - |
| | | | | | | | | | | |
| 750300 | - | 10 | 35 | 11 | | 0,054 | - | - | - | - |
| 750301 | - | 12 | 37 | 12 | | 0,061 | - | - | - | - |
| 750302 | - | 15 | 42 | 13 | | 0,085 | 11,4 | 5,4 | 18000 | - |

# RADIAL BALL BEARINGS SINGLE-ROW OPENED AND CLOSED WITH GROOVE UNDER THE RETAINING RACE

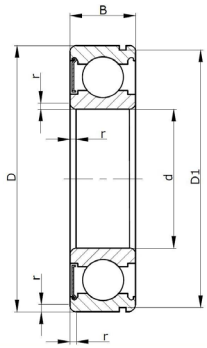
DESIGN OPTIONS:

| | | |
|---|---|---|
| 50 000 | (6000 N) | - with groove under the retaining race on inner ring |
| 150 000 | (6000 ZN) | - with groove under the retaining race and protective shields from one side |
| 450 000<br>750 000 | (6000 2ZN)<br>(6000 2RSN) | - with groove under the retaining race and protective shields or with contact seals on two sides |

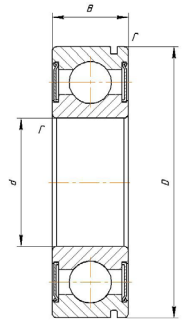
OPTIONS OF SEPARATOR DESIGN
- steel stamped of two semi-separators connected by rivets or short antennas (sinuous); ;
- cast separator made of glass-nylon composite (locking);
- mechanically processed massive separator made of brass, bronze and other materials.




**50 000 (6000 N)**




**150 000 (6000 NZ)**




**450 000 (6000 NZZ)**
**750 000 (6000 N2RS)**

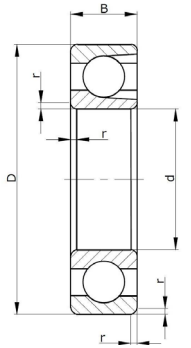
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 750303 | - | 17 | 47 | 14 | | 0,124 | 13,4 | 6,55 | 16000 | - |
| 750304 | - | 20 | 52 | 15 | | 0,148 | 17,3 | 8,5 | 14000 | - |
| 750305 | - | 25 | 62 | 17 | | 0,23 | 22,5 | 11,4 | 11000 | - |
| 750306 | - | 30 | 72 | 19 | | 0,344 | 28,1 | 14,6 | 9500 | - |
| 750307 | - | 35 | 80 | 21 | | 0,54 | 33,5 | 19 | 8500 | - |
| 750308 | - | 40 | 90 | 23 | | 0,647 | 41 | 22,4 | 7500 | - |
| 750309 | - | 45 | 100 | 25 | | 0,79 | 52,7 | 30 | 6300 | - |
| 750310 | - | 50 | 110 | 27 | | 1,1 | 61,8 | 36 | 6000 | - |
| 750311 | - | 55 | 120 | 29 | | 1,39 | 76,5 | 47,5 | 5300 | - |
| 750312 | - | 60 | 130 | 31 | | 1,7 | 81,9 | 48 | 5000 | - |
| 750313 | - | 65 | 140 | 33 | | 2,13 | - | - | - | - |
| 750314 | - | 70 | 150 | 35 | | 2,54 | 104 | 63 | 4500 | - |
| 750315 | - | 75 | 160 | 37 | | 3,02 | 112 | 72,5 | 4000 | - |
| 750316 | - | 80 | 170 | 39 | | 3,6 | 124 | 80 | 3200 | - |

# RADIAL BALL BEARINGS
# SINGLE-ROW WITH THE GROOVE
# FOR INPUT OF BALLS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 170 000 | (200; 300; 400) | - with the groove for input of balls |

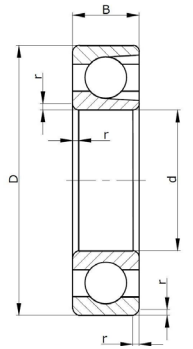
OPTIONS OF SEPARATOR DESIGN:
- - steel stamped of two semi-separators connected by rivets or short antennas (sinuous);




**170 000 (200; 300; 400)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH | Rotary speed with plastic lubricant (n lim r / min | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | 205 | 25 | 52 | 15 | | 0,133 | 14,4 | 10,5 | 12000 | 15000 |
| - | 206 | 30 | 62 | 16 | | 0,215 | 21 | 16,3 | 10000 | 12000 |
| - | 207 | 35 | 72 | 17 | | 0,307 | 27,8 | 22,1 | 9000 | 11000 |
| - | 208 | 40 | 80 | 18 | | 0,394 | 35,5 | 28,8 | 8000 | 9500 |
| - | 209 | 45 | 85 | 19 | | 0,499 | 37 | 32 | 7500 | 9000 |
| - | 210 | 50 | 90 | 20 | | 0,504 | 39 | 35 | 6700 | 8500 |
| - | 211 | 55 | 100 | 21 | | 0,667 | 48 | 44 | 6300 | 7500 |
| - | 212 | 60 | 110 | 22 | | 0,856 | 58 | 54 | 5600 | 6700 |
| - | 213 | 65 | 120 | 23 | | 1,09 | 63,5 | 60 | 5300 | 6300 |
| - | 214 | 70 | 125 | 24 | | 1,15 | 69 | 66 | 500 | 6000 |
| - | 215 | 75 | 130 | 25 | | 1,29 | 72 | 72 | 4500 | 5600 |
| - | 216 | 80 | 140 | 26 | | 1,61 | 84 | 85 | 4300 | 5300 |
| - | 217 | 85 | 150 | 28 | | 1,97 | 93 | 93 | 4000 | 5000 |
| - | 218 | 90 | 160 | 30 | | 2,43 | 107 | 107 | 3800 | 4500 |
| - | 219 | 95 | 170 | 32 | | 2,95 | 121 | 123 | 3600 | 4300 |
| - | 220 | 100 | 180 | 34 | | 3,54 | 136 | 140 | 3400 | 4000 |
| - | 221 | 105 | 190 | 36 | | 4,23 | 148 | 157 | 3200 | 3800 |
| - | 222 | 110 | 200 | 38 | | 4,84 | 160 | 176 | 2800 | 3400 |
| | | | | | | | | | | |
| - | 305 | 25 | 62 | 17 | | 0,246 | 21,5 | 15,5 | 11000 | 13000 |
| - | 306 | 30 | 72 | 19 | | 0,364 | 27,9 | 20,7 | 9000 | 11000 |
| 170307 | 307 | 35 | 80 | 21 | | 0,486 | 37 | 29,1 | 8000 | 9500 |
| 170308 | 308 | 40 | 90 | 23 | | 0,685 | 46,5 | 36 | 7500 | 9000 |
| 170309 | 309 | 45 | 100 | 25 | | 0,883 | 55,5 | 44 | 6300 | 8000 |
| 170310 | 310 | 50 | 110 | 27 | | 1,16 | 65 | 52,5 | 6000 | 7100 |
| 170311 | 311 | 55 | 120 | 29 | | 1,49 | 75 | 61,5 | 5600 | 6700 |
| - | 312 | 60 | 130 | 31 | | 1,88 | 85,5 | 71,5 | 5000 | 6000 |
| 170313 | 313 | 65 | 140 | 33 | | 2,36 | 103 | 89,5 | 4800 | 5600 |
| 170314 | 314 | 70 | 150 | 35 | | 2,87 | 115 | 102 | 4300 | 5300 |
| 170315 | 315 | 75 | 160 | 37 | | 3,43 | 126 | 116 | 4000 | 5000 |
| - | 316 | 80 | 170 | 39 | | 4,08 | 136 | 130 | 3800 | 4500 |
| 170317 | 317 | 85 | 180 | 41 | | 4,77 | 147 | 145 | 3600 | 4300 |
| 170318 | 318 | 90 | 190 | 43 | | 5,45 | 158 | 161 | 3400 | 4000 |
| - | 319 | 95 | 200 | 45 | | 6,4 | 169 | 178 | 2800 | 3600 |

# RADIAL BALL BEARINGS
# SINGLE-ROW WITH THE GROOVE
# FOR INPUT OF BALLS




**170 000 (200; 300; 400)**

DESIGN OPTIONS:

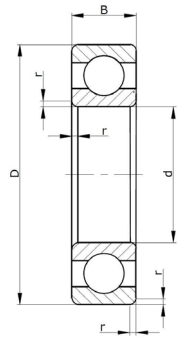
| | | |
|---|---|---|
| 170 000 | (200; 300; 400) | - with the groove for input of balls |

OPTIONS OF SEPARATOR DESIGN:
- - steel stamped of two semi-separators connected by rivets or short antennas (sinuous);

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH | Rotary speed with plastic lubricant (n lim r / min | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 170320 | 320 | 100 | 215 | 47 | | 7,3 | - | - | - | - |
| 170322 | 322 | 110 | 240 | 50 | | 9,79 | 220 | 180 | 1800 | 2600 |
| | | | | | | | | | | |
| 170412 | 412 | 60 | 150 | 35 | | 3,47 | 69,5 | 43 | 5000 | 2870 |
| 170413 | 413 | 65 | 160 | 37 | | 4,2 | 149,7 | 118,5 | 3500 | 4200 |

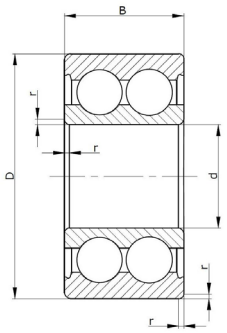
DESIGN OPTIONS

| | | |
|---|---|---|
| 710 000 | (6000 V) | - without separator |




**710 000 (6000 V)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 710134 | 6034 V | 170 | 260 | 42 | | 7,1 | 181 | 224 | 630 | 800 |
| | | | | | | | | | | |
| 710207 | 6207V | 35 | 72 | 17 | | 0,298 | 27 | 21 | 2400 | 3000 |
| | | | | | | | | | | |
| 710309 | 6309V | 45 | 100 | 25 | | 0,79 | 54 | 45 | 2000 | 2600 |
| 710315 | 6315V | 75 | 160 | 37 | | 3,1 | 122 | 116,5 | 1000 | 1300 |
| 710322 | 6233V | 110 | 240 | 50 | | 10 | 217 | 272 | 630 | 800 |



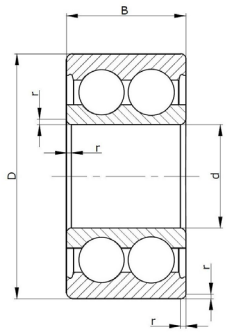

**(4200; 4300)**

DESIGN OPTIONS

| | | |
|---|---|---|
| | (4200; 4300) | - radial ball open and closed in two side |

OPTIONS OF SEPARATOR DESIGN
- double cast separator made of glass-nylon composite (locking); ;

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | 4200 | 10 | 30 | 14 | | 0,049 | 9,15 | 4,5 | 18000 | 24000 |
| - | 4200 2RS | 10 | 30 | 14 | | 0,049 | 9,15 | 4,5 | 18000 | - |
| - | 4201 | 12 | 32 | 14 | | 0,053 | 10,6 | 6,2 | 17000 | 20000 |
| - | 4201 2RS | 12 | 32 | 14 | | 0,053 | 10,6 | 6,2 | 17000 | - |
| - | 4202 | 15 | 35 | 14 | | 0,059 | 11,9 | 7,5 | 14000 | 17000 |
| - | 4202 2RS | 15 | 35 | 14 | | 0,059 | 11,9 | 7,5 | 14000 | - |
| - | 4203 | 17 | 40 | 16 | | 0,09 | 14,8 | 9,5 | 12000 | 15000 |
| - | 4203 2RS | 17 | 40 | 16 | | 0,09 | 14,8 | 9,5 | 12000 | - |
| - | 4204 | 20 | 47 | 18 | | 0,14 | 17,8 | 12,5 | 10000 | 13000 |
| - | 4204 2RS | 20 | 47 | 18 | | 0,14 | 17,8 | 12,5 | 10000 | - |
| - | 4205 | 25 | 52 | 18 | | 0,16 | 19 | 14,6 | 9000 | 11000 |
| - | 4205 2 RS | 25 | 52 | 18 | | 0,16 | 19 | 14,6 | 9000 | - |
| - | 4206 | 30 | 62 | 20 | | 0,26 | 26 | 20,8 | 8000 | 9500 |
| - | 4206 2 RS | 30 | 62 | 20 | | 0,26 | 26 | 20,8 | 8000 | - |
| 910507 | 4207 | 35 | 72 | 23 | | 0,4 | 35,1 | 28,5 | 6700 | 8000 |
| - | 4207 2RS | 35 | 72 | 23 | | 0,4 | 35,1 | 28,5 | 6700 | - |
| - | 4208 | 40 | 80 | 23 | | 0,5 | 37,1 | 32,5 | 6000 | 7000 |
| - | 4208 2RS | 40 | 80 | 23 | | 0,5 | 37,1 | 32,5 | 6000 | - |
| - | 4209 | 45 | 85 | 23 | | 0,54 | 39 | 36 | 5600 | 6700 |
| - | 4209 2RS | 45 | 85 | 23 | | 0,54 | 39 | 36 | 5600 | - |
| - | 4210 | 50 | 90 | 23 | | 0,58 | 41 | 40 | 5000 | 6000 |
| - | 4210 2RS | 50 | 90 | 23 | | 0,58 | 41 | 40 | 5000 | - |
| - | 4211 | 55 | 100 | 25 | | 0,8 | 44,9 | 44 | 4800 | 5600 |
| - | 4212 | 60 | 110 | 28 | | 1,1 | 57,2 | 55 | 4500 | 5300 |
| - | 4213 | 65 | 120 | 31 | | 1,45 | 67,6 | 67 | 4000 | 4800 |
| - | 4214 | 70 | 125 | 31 | | 1,5 | 70,2 | 73,5 | 3600 | 4300 |
| - | 4215 | 75 | 130 | 31 | | 1,6 | 72,8 | 80 | 3400 | 4000 |
| - | 4216 | 80 | 140 | 33 | | 2 | 80,6 | 90 | 3200 | 3800 |
| - | 4217 | 85 | 150 | 36 | | 2,55 | 93,6 | 102 | 3000 | 3600 |
| - | 4218 | 90 | 160 | 40 | | 3,2 | 112 | 122 | 2800 | 3400 |
| - | 4220 | 100 | 180 | 46 | | 4,7 | 140 | 156 | 2400 | 3000 |
| | | | | | | | | | | |
| - | 4302 | 15 | 42 | 17 | | 0,12 | 14,8 | 9,5 | 12000 | 15000 |
| - | 4302 2RS | 15 | 42 | 17 | | 0,12 | 14,8 | 9,5 | 12000 | - |



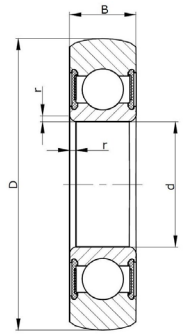

**(4200; 4300)**

DESIGN OPTIONS

| | | |
|---|---|---|
| | (4200; 4300) | - radial ball open and closed in two side |

OPTIONS OF SEPARATOR DESIGN
- double cast separator made of glass-nylon composite (locking); ;

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | 4303 | 17 | 47 | 19 | | 0,16 | 19,5 | 13,2 | 10000 | 13000 |
| - | 4303 2 RS | 17 | 47 | 19 | | 0,16 | 19,5 | 13,2 | 10000 | - |
| - | 4304 | 20 | 52 | 21 | | 0,21 | 23,4 | 16 | 9500 | 12000 |
| - | 4304 2 RS | 20 | 52 | 21 | | 0,21 | 23,4 | 16 | 9500 | - |
| - | 4305 | 25 | 62 | 24 | | 0,34 | 31,9 | 22,4 | 8500 | 10000 |
| - | 4305 2 RS | 25 | 62 | 24 | | 0,34 | 31,9 | 22,4 | 8500 | - |
| - | 4306 | 30 | 72 | 27 | | 0,5 | 41 | 30 | 7000 | 8500 |
| - | 4306 2RS | 30 | 72 | 27 | | 0,5 | 41 | 30 | 7000 | - |
| - | 4307 | 35 | 80 | 31 | | 0,69 | 50,7 | 38 | 6300 | 7500 |
| - | 4307 2RS | 35 | 80 | 31 | | 0,69 | 50,7 | 38 | 6300 | - |
| - | 4308 | 40 | 90 | 33 | | 0,95 | 55,9 | 45 | 5600 | 6700 |
| - | 4308 2RS | 40 | 90 | 33 | | 0,95 | 55,9 | 45 | 5600 | - |
| - | 4309 | 45 | 100 | 36 | | 1,25 | 68,9 | 56 | 5000 | 6000 |
| - | 4309 2RS | 45 | 100 | 36 | | 1,25 | 68,9 | 56 | 5000 | - |
| - | 4310 | 50 | 110 | 40 | | 1,7 | 81,9 | 69,5 | 4500 | 5300 |
| - | 4310 2RS | 50 | 110 | 40 | | 1,7 | 81,9 | 69,5 | 4500 | - |
| - | 4311 | 55 | 120 | 43 | | 2,15 | 97,5 | 83 | 4300 | 5000 |
| - | 4312 | 60 | 130 | 46 | | 2,65 | 112 | 98 | 3800 | 4500 |
| - | 4313 | 65 | 140 | 48 | | 3,25 | 121 | 106 | 3600 | 4300 |
| - | 4314 | 70 | 150 | 51 | | 3,95 | 138 | 125 | 3200 | 3800 |
| - | 4315 | 75 | 160 | 55 | | 4,8 | 156 | 143 | 3000 | 3600 |
| | | | | | | | | | | |
| 960808 | - | 40 | 57 | 24 | | 0,156 | 1038 | 8 | 6300 | - |
| 960708 | - | 40 | 62 | 24 | | 0,22 | 14,9 | 13,9 | 5000 | - |



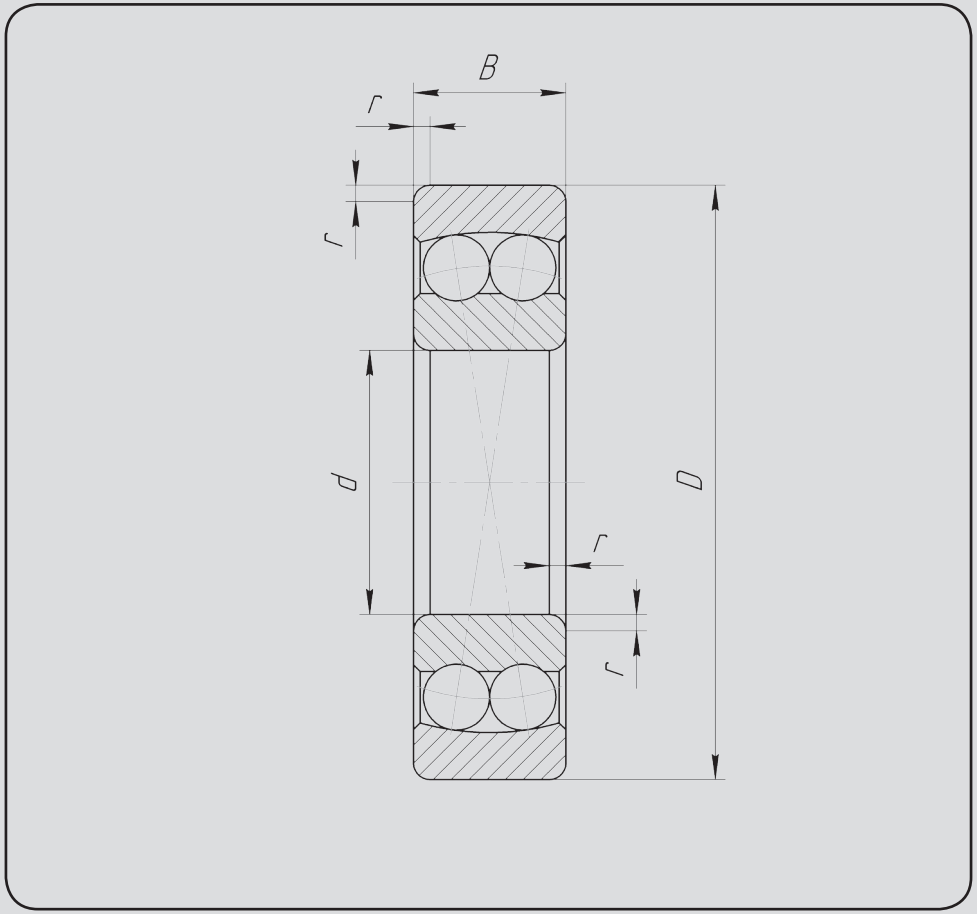

**(361200)**

DESIGN OPTIONS:

| | | |
|---|---|---|
| | (361200) | - support rollers |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped of two semi-separators connected by rivets

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | 361200 R | 10 | 32 | 9 | | 0,041 | 4,62 | 2 | 12000 | - |
| - | 361201 R | 12 | 35 | 10 | | 0,052 | 6,24 | 2,6 | 11000 | - |
| - | 361202 R | 15 | 40 | 11 | | 0,074 | 7,02 | 3,2 | 9500 | - |
| - | 361203 R | 17 | 47 | 12 | | 0,11 | 8,84 | 4,15 | 8500 | - |
| - | 361204 R | 20 | 52 | 14 | | 0,16 | 11,4 | 5,4 | 7500 | - |
| - | 361205 R | 25 | 62 | 15 | | 0,24 | 12,7 | 6,8 | 6300 | - |
| - | 361206 R | 30 | 72 | 16 | | 0,34 | 17,4 | 9,3 | 5300 | - |
| - | 361207 R | 35 | 80 | 17 | | 0,43 | 22,1 | 11,8 | 4500 | - |




# RADIAL BALL BEARINGS
# DOUBLE- ROW SPHERICAL

**(TYPE OF THE BEARING «1»)**

**RADIAL BALL BEARINGS DOUBLE- ROW SPHERICAL WITH THE CYLINDRICAL BORE ..... 132**

**RADIAL BALL BEARINGS DOUBLE- ROW SPHERICAL WITH THE CONICAL BORE WITH TAPER RATIO 1:12 ..... 140**

**RADIAL BALL BEARINGS DOUBLE- ROW SPHERICAL ON THE FIXING BARREL ..... 146**

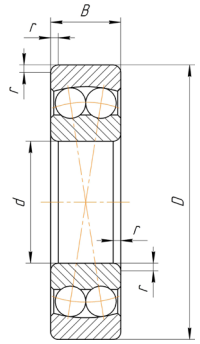
**RADIAL BALL BEARINGS DOUBLE- ROW SPHERICAL WITH THE ACTING INNER RACE ..... 150**

# RADIAL BALL BEARINGS DOUBLE-ROW SPHERICAL WITH THE CYLINDRICAL BORE

DESIGN OPTIONS

| | | |
|---|---|---|
| 1 000 | (1000; 2000) | - with the cylindrical bore |

OPTIONS OF SEPARATOR DESIGN
- solid steel stamped ;
- composite steel stamped;
- solid or composite cast separator made of glass-nylon composite
- solid or composite mechanically processed separator made of brass




**1 000 (1000; 2000)**

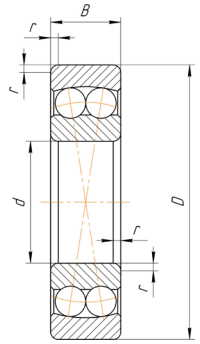
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1005 | 135 | 5 | 19 | 6 | | 0,009 | 2,5 | 0,48 | 40000 | 45000 |
| 1006 | 126 | 6 | 19 | 6 | | 0,009 | 2,5 | 0,62 | 32000 | 38000 |
| 1007 | 127 | 7 | 22 | 7 | | 0,014 | 2,65 | 0,74 | 30000 | 36000 |
| 1008 | 108 | 8 | 22 | 7 | | 0,014 | 2,65 | 0,74 | 30000 | 36000 |
| 1009 | 129 | 9 | 26 | 8 | | 0,022 | 3,8 | 1,06 | 26000 | 32000 |
| 1105 | - | 25 | 47 | 12 | | 0,09 | 12,7 | 3,4 | 15000 | 18000 |
| 1106 | - | 30 | 55 | 13 | | 0,135 | 18 | 4,5 | 12000 | 15000 |
| | | | | | | | | | | |
| 1200 | 1200 | 10 | 30 | 9 | | 0,034 | 5,5 | 1,216 | 24000 | 30000 |
| 1201 | 1201 | 12 | 32 | 10 | | 0,04 | 5,6 | 1,66 | 22000 | 28000 |
| 1202 | 1202 | 15 | 35 | 11 | | 0,049 | 7,5 | 2,28 | 19000 | 24000 |
| 1203 | 1203 | 17 | 40 | 12 | | 0,073 | 8 | 2,65 | 18000 | 22000 |
| 1204 | 1204 | 20 | 47 | 14 | | 0,12 | 10 | 3,45 | 15000 | 18000 |
| 1205 | 1205 | 25 | 52 | 15 | | 0,141 | 12,2 | 4,4 | 13000 | 16000 |
| 1206 | 1206 | 30 | 62 | 16 | | 0,22 | 15,6 | 6,2 | 10000 | 13000 |
| 1207 | 1207 | 35 | 72 | 17 | | 0,323 | 16 | 6,95 | 9000 | 11000 |
| 1208 | 1208 | 40 | 80 | 18 | | 0,417 | 19,3 | 8,8 | 8500 | 10000 |
| 1209 | 1209 | 45 | 85 | 19 | | 0,465 | 22 | 10 | 7500 | 9000 |
| 1210 | 1210 | 50 | 90 | 20 | | 0,525 | 22,8 | 11 | 7000 | 8500 |
| 1211 | 1211 | 55 | 100 | 21 | | 0,705 | 27 | 13,7 | 6300 | 7500 |
| 1212 | 1212 | 60 | 110 | 22 | | 0,9 | 30 | 16 | 5600 | 6700 |
| 1213 | 1213 | 65 | 120 | 23 | | 1,15 | 31 | 17,3 | 5300 | 6300 |
| 1214 | 1214 | 70 | 125 | 24 | | 1,26 | 34,5 | 19 | 5000 | 6000 |
| 1215 | 1215 | 75 | 130 | 25 | | 1,36 | 39 | 21,6 | 4800 | 5600 |
| 1216 | 1216 | 80 | 140 | 26 | | 1,67 | 40 | 23,6 | 4500 | 5300 |
| 1217 | 1217 | 85 | 150 | 28 | | 2,07 | 49 | 28,5 | 4000 | 4800 |
| 1218 | 1218 | 90 | 160 | 30 | | 2,52 | 57 | 32 | 3800 | 4500 |
| 1219 | 1219 | 95 | 170 | 32 | | 3,1 | 64 | 37,5 | 3600 | 4300 |
| 1220 | 1220 | 100 | 180 | 34 | | 3,7 | 69,5 | 41,5 | 3400 | 4000 |
| 1221 | 1221 | 105 | 190 | 36 | | 4,37 | 75 | 45 | 3200 | 3800 |
| 1222 | 1222 | 110 | 200 | 38 | | 5,15 | 88 | 53 | 2500 | 3000 |
| 1224 | 1224 | 120 | 215 | 42 | | 6,75 | 120 | 72 | 2000 | 2600 |
| 1226 | 1226 | 130 | 230 | 46 | | 8,3 | 125 | 76,5 | 2600 | 3200 |
| 1228 | 1228 | 140 | 250 | 50 | | 10,9 | 163 | 100 | 2200 | 2800 |

# RADIAL BALL BEARINGS DOUBLE-ROW SPHERICAL WITH THE CYLINDRICAL BORE

DESIGN OPTIONS

| | | |
|---|---|---|
| 1 000 | (1000; 2000) | - with the cylindrical bore |

OPTIONS OF SEPARATOR DESIGN
- solid steel stamped ;
- composite steel stamped;
- solid or composite cast separator made of glass-nylon composite
- solid or composite mechanically processed separator made of brass




**1 000 (1000; 2000)**

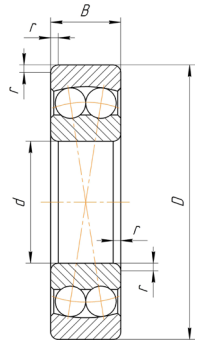
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1230 | 1230 | 150 | 270 | 54 | | 13,8 | 183 | 118 | 2000 | 2600 |
| | | | | | | | | | | |
| 1300 | 1300 | 10 | 35 | 11 | | 0,058 | 7,2 | 2,08 | 18000 | 22000 |
| 1301 | 1301 | 12 | 37 | 12 | | 0,067 | 9,5 | 2,8 | 18000 | 22000 |
| 1302 | 1302 | 15 | 42 | 13 | | 0,094 | 9,5 | 3 | 17000 | 20000 |
| 1303 | 1303 | 17 | 47 | 14 | | 0,13 | 12,5 | 4,15 | 14000 | 17000 |
| 1304 | 1304 | 20 | 52 | 15 | | 0,163 | 12,5 | 4,4 | 12000 | 15000 |
| 1305 | 1305 | 25 | 62 | 17 | | 0,257 | 18 | 6,7 | 9500 | 12000 |
| 1306 | 1306 | 30 | 72 | 19 | | 0,387 | 21,2 | 8,5 | 9000 | 11000 |
| 1307 | 1307 | 35 | 80 | 21 | | 0,51 | 25 | 10,6 | 7500 | 9000 |
| 1308 | 1308 | 40 | 90 | 23 | | 0,715 | 29 | 12,9 | 6700 | 8000 |
| 1309 | 1309 | 45 | 100 | 25 | | 0,957 | 38 | 17 | 6300 | 7500 |
| 1310 | 1310 | 50 | 110 | 27 | | 1,21 | 41,5 | 19,3 | 5600 | 6700 |
| 1311 | 1311 | 55 | 120 | 29 | | 1,58 | 51 | 24 | 5000 | 6000 |
| 1312 | 1312 | 50 | 130 | 31 | | 1,96 | 57 | 28 | 4500 | 5300 |
| 1313 | 1313 | 65 | 140 | 33 | | 2,45 | 62 | 31 | 4300 | 5000 |
| 1314 | 1314 | 70 | 150 | 35 | | 2,99 | 75 | 37,5 | 4000 | 4800 |
| 1315 | 1315 | 75 | 160 | 37 | | 3,56 | 80 | 40,5 | 3800 | 4500 |
| 1316 | 1316 | 80 | 170 | 39 | | 4,18 | 88 | 45 | 3600 | 4300 |
| 1317 | 1317 | 85 | 180 | 41 | | 4,98 | 98 | 51 | 3400 | 4000 |
| 1318 | 1318 | 90 | 190 | 43 | | 5,8 | 108 | 58,5 | 3200 | 3800 |
| 1319 | 1319 | 95 | 200 | 45 | | 6,69 | 132 | 68 | 3000 | 3600 |
| 1320 | 1320 | 100 | 215 | 47 | | 8,3 | 143 | 76,5 | 2800 | 3400 |
| 1321 | 1321 | 105 | 225 | 49 | | 10 | 156 | 86,5 | 2600 | 3200 |
| 1322 | 1322 | 110 | 240 | 50 | | 11,8 | 163 | 91,5 | 2400 | 3000 |
| 1324 | 1324 | 120 | 260 | 55 | | - | - | - | - | - |
| | | | | | | | | | | |
| 1500 | 2200 | 10 | 30 | 14 | | 0,047 | 7,2 | 2,04 | 22000 | 28000 |
| 1501 | 2201 | 12 | 32 | 14 | | 0,053 | 7,5 | 2,24 | 20000 | 26000 |
| 1502 | 2202 | 15 | 35 | 14 | | 0,06 | 7,65 | 2,4 | 18000 | 22000 |
| 1503 | 2203 | 17 | 40 | 16 | | 0,088 | 9,8 | 3,15 | 17000 | 20000 |
| 1504 | 2204 | 20 | 47 | 18 | | 0,14 | 12,5 | 4,3 | 14000 | 17000 |
| 1505 | 2205 | 25 | 52 | 18 | | 0,163 | 12,5 | 4,65 | 11000 | 14000 |
| 1506 | 2206 | 30 | 62 | 20 | | 0,26 | 15,3 | 6,1 | 9500 | 12000 |

# RADIAL BALL BEARINGS DOUBLE-ROW SPHERICAL WITH THE CYLINDRICAL BORE

DESIGN OPTIONS

| | | |
|---|---|---|
| 1 000 | (1000; 2000) | - with the cylindrical bore |

OPTIONS OF SEPARATOR DESIGN
- solid steel stamped ;
- composite steel stamped;
- solid or composite cast separator made of glass-nylon composite
- solid or composite mechanically processed separator made of brass



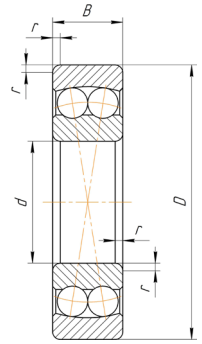

**1 000 (1000; 2000)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1507 | 2207 | 35 | 72 | 23 | | 0,403 | 21,6 | 8,8 | 8500 | 10000 |
| 1508 | 2208 | 40 | 80 | 23 | | 0,505 | 22,4 | 10 | 7500 | 9000 |
| 1509 | 2209 | 45 | 85 | 23 | | 0,545 | 23,2 | 11 | 7000 | 8500 |
| 1510 | 2210 | 50 | 90 | 23 | | 0,59 | 23,2 | 11,6 | 6300 | 7500 |
| 1511 | 2211 | 55 | 100 | 25 | | 0,81 | 26,5 | 13,4 | 6000 | 7000 |
| 1512 | 2212 | 60 | 110 | 28 | | 1,09 | 34 | 17,3 | 5300 | 6300 |
| 1513 | 2213 | 65 | 120 | 31 | | 1,46 | 44 | 22,4 | 5000 | 6000 |
| 1514 | 2214 | 70 | 125 | 31 | | 1,52 | 44 | 23,2 | 4800 | 5600 |
| 1515 | 2215 | 75 | 130 | 31 | | 1,62 | 44 | 24,5 | 4500 | 5300 |
| 1516 | 2216 | 80 | 140 | 33 | | 2,01 | 51 | 28,5 | 4000 | 4800 |
| 1517 | 2217 | 85 | 150 | 36 | | 2,52 | 58,5 | 32 | 3800 | 4500 |
| 1518 | 2218 | 90 | 160 | 40 | | 3,4 | 71 | 39 | 3400 | 4300 |
| 1519 | 2219 | 95 | 170 | 43 | | 5,8 | 83 | 46,5 | 3400 | 4000 |
| 1520 | 2220 | 100 | 180 | 46 | | 4,98 | 98 | 55 | 3200 | 3800 |
| 1521 | 2221 | 105 | 190 | 50 | | 6,07 | 108 | 45 | 3000 | 3600 |
| 1522 | 2222 | 110 | 200 | 53 | | 7,1 | 124 | 67 | 2800 | 3400 |
| 1524 | 2224 | 120 | 215 | 58 | | - | - | - | - | - |
| 1526 | 2226 | 130 | 230 | 64 | | - | - | - | - | - |
| 1528 | 2228 | 140 | 250 | 68 | | - | - | - | - | - |
| 1530 | 2230 | 150 | 270 | 73 | | - | - | - | - | - |
| | | | | | | | | | | |
| 1600 | 2300 | 10 | 35 | 17 | | 0,083 | 10 | 2,15 | 17000 | 20000 |
| 1601 | 2301 | 12 | 37 | 17 | | 0,095 | 11,7 | 2,7 | 17000 | 20000 |
| 1602 | 2302 | 15 | 42 | 17 | | 0,114 | 12 | 2,9 | 15000 | 18000 |
| 1603 | 2303 | 17 | 47 | 19 | | 0,172 | 14,3 | 3,55 | 13000 | 16000 |
| 1604 | 2304 | 20 | 52 | 21 | | 0,209 | 18 | 6,1 | 11000 | 14000 |
| 1605 | 2305 | 25 | 62 | 24 | | 0,335 | 24,5 | 8,5 | 9500 | 12000 |
| 1606 | 2306 | 30 | 72 | 27 | | 0,5 | 31,5 | 11,4 | 8500 | 10000 |
| 1607 | 2307 | 35 | 80 | 31 | | 0,675 | 39 | 14,6 | 7000 | 8500 |
| 1608 | 2308 | 40 | 90 | 33 | | 0,925 | 45 | 17,6 | 6300 | 7500 |
| 1609 | 2309 | 45 | 100 | 36 | | 1,23 | 54 | 22 | 5600 | 6700 |
| 1610 | 2310 | 50 | 110 | 40 | | 1,64 | 64 | 26,5 | 5300 | 6300 |
| 1611 | 2311 | 55 | 120 | 43 | | 2,1 | 75 | 31,5 | 4500 | 5600 |
| 1612 | 2312 | 60 | 130 | 46 | | 2,6 | 86,5 | 37,5 | 4000 | 5000 |

DESIGN OPTIONS

| | | |
|---|---|---|
| 1 000 | (1000; 2000) | - with the cylindrical bore |

OPTIONS OF SEPARATOR DESIGN
- solid steel stamped ;
- composite steel stamped;
- solid or composite cast separator made of glass-nylon composite
- solid or composite mechanically processed separator made of brass




**1 000 (1000; 2000)**

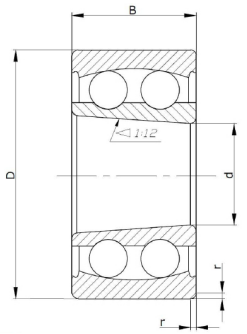
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1613 | 2313 | 65 | 140 | 48 | | 3,23 | 95 | 43 | 3600 | 4500 |
| 1614 | 2314 | 70 | 150 | 51 | | 3,9 | 110 | 50 | 3200 | 4000 |
| 1615 | 2315 | 75 | 160 | 55 | | 4,72 | 122 | 56 | 3000 | 3800 |
| 1616 | 2316 | 80 | 170 | 58 | | 6,1 | 137 | 64 | 2600 | 3200 |
| 1617 | 2317 | 85 | 180 | 60 | | 7,05 | 140 | 68 | 3000 | 3600 |
| 1618 | 2318 | 90 | 190 | 64 | | 8,44 | 153 | 76,5 | 2800 | 3400 |
| 1619 | 2319 | 95 | 200 | 67 | | 9,79 | 163 | 64 | 2600 | 3200 |
| 1620 | 2320 | 100 | 215 | 73 | | 12,4 | 193 | 104 | 2400 | 3000 |
| 1621 | 2321 | 105 | 225 | 77 | | 14,3 | 194 | 79,5 | 2800 | 3200 |
| 1622 | 2322 | 110 | 240 | 80 | | 17,3 | 215,5 | 94 | 2200 | 2800 |
| | | | | | | | | | | |
| 1730 | - | 150 | 235 | 36 | | 6,2 | 110 | 50 | 2600 | 3200 |

# RADIAL BALL BEARINGS DOUBLE-ROW SPHERICAL WITH THE CONICAL BORE WITH TAPER RATIO 1:12

DESIGN OPTIONS

| | | |
|---|---|---|
| 111 000 | (1000K; 2000K) | - with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- solid steel stamped
- composite steel stamped;
- solid or composite cast made of glass-nylon composite;
- solid or composite mechanically processed separator made of brass




**111 000 (1000K; 2000K)**

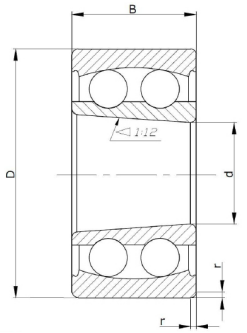
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 111204 | 1204 K | 20 | 47 | 14 | | 0,118 | 10 | 3,45 | 15000 | 18000 |
| 111205 | 1205 K | 25 | 52 | 15 | | 0,138 | 12,2 | 4,4 | 13000 | 16000 |
| 111206 | 1206 K | 30 | 62 | 16 | | 0,216 | 15,6 | 6,2 | 10000 | 13000 |
| 111207 | 1207 K | 35 | 72 | 17 | | 0,317 | 16 | 6,95 | 9000 | 11000 |
| 111208 | 1208 K | 40 | 80 | 18 | | 0,411 | 19,3 | 8,8 | 8500 | 10000 |
| 111209 | 1209 K | 45 | 85 | 19 | | 0,459 | 22 | 10 | 7500 | 9000 |
| 111210 | 1210 K | 50 | 90 | 20 | | 0,515 | 22,8 | 11 | 7000 | 8500 |
| 111211 | 1211 K | 55 | 100 | 21 | | 0,693 | 27 | 13,7 | 6300 | 7500 |
| 111212 | 1212 K | 60 | 110 | 22 | | 0,885 | 30 | 16 | 5600 | 6700 |
| 111213 | 1213 K | 65 | 120 | 23 | | 1,13 | 31 | 17,3 | 5300 | 6300 |
| 111214 | 1214 K | 70 | 125 | 24 | | 1,24 | 34,5 | 19 | 5000 | 6000 |
| 111215 | 1215 K | 75 | 130 | 25 | | 1,34 | 39 | 21,6 | 4800 | 5600 |
| 111216 | 1216 K | 80 | 140 | 26 | | 1,64 | 40 | 23,6 | 4500 | 5300 |
| 111217 | 1217 K | 85 | 150 | 28 | | 2,04 | 49 | 28,5 | 4000 | 4800 |
| 111218 | 1218 K | 90 | 160 | 30 | | 2,48 | 57 | 32 | 3800 | 4500 |
| 111219 | 1219 K | 95 | 170 | 32 | | 3,05 | 64 | 37,5 | 3600 | 4300 |
| 111220 | 1220 K | 100 | 180 | 34 | | 3,64 | 69,5 | 41,5 | 3400 | 4000 |
| 111222 | 1222 K | 110 | 200 | 38 | | 5,07 | 88 | 53 | 2500 | 3000 |
| | | | | | | | | | | |
| 111304 | 1304 K | 20 | 52 | 15 | | 0,161 | 12,5 | 4,4 | 12000 | 15000 |
| 111305 | 1305 K | 25 | 62 | 17 | | 0,252 | 18 | 6,7 | 9500 | 12000 |
| 111306 | 1306 K | 30 | 72 | 19 | | 0,381 | 21,2 | 8,5 | 9000 | 11000 |
| 111307 | 1307 K | 35 | 80 | 21 | | 0,502 | 25 | 10,6 | 7500 | 9000 |
| 111308 | 1308 K | 40 | 90 | 23 | | 0,704 | 29 | 12,9 | 6700 | 8000 |
| 111309 | 1309 K | 45 | 100 | 25 | | 0,942 | 38 | 17 | 6300 | 7500 |
| 111310 | 1310 K | 50 | 110 | 27 | | 1,19 | 41,5 | 19,3 | 5600 | 6700 |
| 111311 | 1311 K | 55 | 120 | 29 | | 1,56 | 51 | 24 | 5000 | 6000 |
| 111312 | 1312 K | 50 | 130 | 31 | | 1,93 | 57 | 28 | 4500 | 5300 |
| 111313 | 1313 K | 65 | 140 | 33 | | 2,41 | 62 | 31 | 4300 | 5000 |
| 111314 | 1314 K | 70 | 150 | 35 | | 2,96 | 75 | 37,5 | 4000 | 4800 |
| 111315 | 1315 K | 75 | 160 | 37 | | 3,51 | 80 | 40,5 | 3800 | 4500 |
| 111316 | 1316 K | 80 | 170 | 39 | | 4,12 | 88 | 45 | 3600 | 4300 |
| 111317 | 1317 K | 85 | 180 | 41 | | 4,91 | 98 | 51 | 4000 | 3400 |
| 111318 | 1318 K | 90 | 190 | 43 | | 5,71 | 108 | 58,5 | 3200 | 3800 |

# RADIAL BALL BEARINGS DOUBLE-ROW SPHERICAL WITH THE CONICAL BORE WITH TAPER RATIO 1:12

DESIGN OPTIONS

| | | |
|---|---|---|
| 111 000 | (1000K; 2000K) | - with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- solid steel stamped
- composite steel stamped;
- solid or composite cast made of glass-nylon composite;
- solid or composite mechanically processed separator made of brass




**111 000 (1000K; 2000K)**

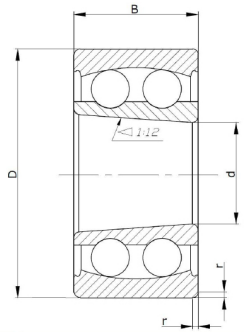
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 111319 | 1319 K | 95 | 200 | 45 | | 6,59 | 132 | 68 | 3000 | 3600 |
| 111320 | 1320 K | 100 | 215 | 47 | | 8,19 | 143 | 76,5 | 2800 | 3400 |
| 111322 | 1322 K | 110 | 240 | 50 | | 11,7 | 163 | 91,5 | 2400 | 3000 |
| 111324 | 1324 K | 120 | 260 | 55 | | - | - | - | - | - |
| | | | | | | | | | | |
| 111504 | 2204 K | 20 | 47 | 18 | | 0,136 | 12,5 | 4,3 | 14000 | 17000 |
| 111505 | 2205 K | 25 | 52 | 18 | | 0,158 | 12,5 | 4,65 | 11000 | 14000 |
| 111506 | 2206 K | 30 | 62 | 20 | | 0,396 | 15,3 | 6,1 | 9500 | 12000 |
| 111507 | 2207 K | 35 | 72 | 23 | | 0,254 | 21,6 | 8,8 | 8500 | 10000 |
| 111508 | 2208 K | 40 | 80 | 23 | | 0,494 | 22,4 | 10 | 7500 | 9000 |
| 111509 | 2209 K | 45 | 85 | 23 | | 0,533 | 23,2 | 11 | 7000 | 8500 |
| 111510 | 2210 K | 50 | 90 | 23 | | 0,577 | 23,2 | 11,6 | 6300 | 7500 |
| 111511 | 2211 K | 55 | 100 | 25 | | 0,792 | 26,5 | 13,4 | 6000 | 7000 |
| 111512 | 2212 K | 60 | 110 | 28 | | 1,07 | 34 | 17,3 | 5300 | 6300 |
| 111513 | 2213 K | 65 | 120 | 31 | | 1,43 | 44 | 22,4 | 5000 | 6000 |
| 111514 | 2214 K | 70 | 125 | 31 | | 1,49 | 44 | 23,2 | 4800 | 5600 |
| 111515 | 2215 K | 75 | 130 | 31 | | 1,58 | 44 | 24,5 | 4500 | 5300 |
| 111516 | 2216 K | 80 | 140 | 33 | | 1,97 | 51 | 28,5 | 4000 | 4800 |
| 111517 | 2217 K | 85 | 150 | 36 | | 2,46 | 58,5 | 32 | 3800 | 4500 |
| 111518 | 2218 K | 90 | 160 | 40 | | 3,33 | 71 | 39 | 3400 | 4300 |
| 111519 | 2219 K | 95 | 170 | 43 | | 5,3 | 83,5 | 34 | 3400 | 4000 |
| 111520 | 2220 K | 100 | 180 | 46 | | 4,87 | 98 | 55 | 3200 | 3800 |
| 111522 | 2222 K | 110 | 200 | 53 | | 6,94 | 124 | 67 | 2800 | 3400 |
| 111524 | 2224 K | 120 | 215 | 58 | | - | - | - | - | - |
| 111526 | 2226 K | 130 | 230 | 64 | | - | - | - | - | - |
| 111528 | 2228 K | 140 | 250 | 68 | | - | - | - | - | - |
| 111530 | 2230 K | 150 | 270 | 73 | | - | - | - | - | - |
| | | | | | | | | | | |
| 111604 | 2304 K | 20 | 52 | 21 | | 0,205 | 18 | 6,1 | 11000 | 14000 |
| 111605 | 2305 K | 25 | 62 | 24 | | 0,327 | 24,5 | 8,5 | 9500 | 12000 |
| 111606 | 2306 K | 30 | 72 | 27 | | 0,489 | 31,5 | 11,4 | 8500 | 10000 |
| 111607 | 2307 K | 35 | 80 | 31 | | 0,657 | 39 | 14,6 | 7000 | 8500 |
| 111608 | 2308 K | 40 | 90 | 33 | | 0,903 | 45 | 17,6 | 6300 | 7500 |
| 111609 | 2309 K | 45 | 100 | 36 | | 1,2 | 54 | 22 | 5600 | 6700 |

# RADIAL BALL BEARINGS DOUBLE-ROW SPHERICAL WITH THE CONICAL BORE WITH TAPER RATIO 1:12

DESIGN OPTIONS

| | | |
|---|---|---|
| 111 000 | (1000K; 2000K) | - with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- solid steel stamped
- composite steel stamped;
- solid or composite cast made of glass-nylon composite;
- solid or composite mechanically processed separator made of brass



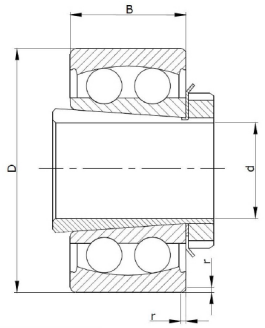

**111 000 (1000K; 2000K)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 111610 | 2310 K | 50 | 110 | 40 | | 1,6 | 64 | 26,5 | 5300 | 6300 |
| 111611 | 2311 K | 55 | 120 | 43 | | 2,05 | 75 | 31,5 | 4500 | 5600 |
| 111612 | 2312 K | 60 | 130 | 46 | | 2,53 | 86,5 | 37,5 | 4000 | 5000 |
| 111613 | 2313 K | 65 | 140 | 48 | | 3,15 | 95 | 43 | 3600 | 4500 |
| 111614 | 2314 K | 70 | 150 | 51 | | 3,81 | 110 | 50 | 3200 | 4000 |
| 111615 | 2315 K | 75 | 160 | 55 | | 4,61 | 122 | 56 | 3000 | 3800 |
| 111616 | 2316 K | 80 | 170 | 58 | | 5,96 | 137 | 64 | 2600 | 3200 |
| 111617 | 2317 K | 85 | 180 | 60 | | 6,89 | 140 | 68 | 3000 | 3600 |
| 111618 | 2318 K | 90 | 190 | 64 | | 8,25 | 153 | 76,5 | 2800 | 3400 |
| 111620 | 2320 K | 100 | 215 | 73 | | 12,1 | 193 | 104 | 2400 | 3000 |
| 111622 | 2322 K | 110 | 240 | 80 | | 16,9 | 215,5 | 94 | 2200 | 2800 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 11 000 | (1000K +H…; 2000K+ H…) | - on the fixing barrel |

OPTIONS OF SEPARATOR DESIGN:
- solid steel stamped;
- composite steel stamped;
- solid or composite cast separator made of glass-nylon composite
- solid or composite mechanically processed separator made of brass



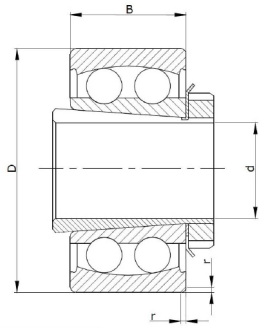

**11 000 (1000K +H…; 2000K+ H…)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 11204 | 1205K+H205 | 20 | 52 | 15/26 | | 0,21 | 12,2 | 4,4 | 13000 | 16000 |
| 11205 | 1206K+H206 | 25 | 62 | 16/27 | | 0,32 | 15,6 | 6,2 | 10000 | 13000 |
| 11206 | 1207K+H207 | 30 | 72 | 17/29 | | 0,44 | 16 | 6,95 | 8500 | 10000 |
| 11207 | 1208K+H208 | 35 | 80 | 18/31 | | 0,59 | 19,3 | 8,8 | 8500 | 10000 |
| 11208 | 1209K+H209 | 40 | 85 | 19/33 | | 0,69 | 22 | 10 | 7500 | 9000 |
| 11209 | 1210K+H210 | 45 | 90 | 20/35 | | 0,79 | 22,8 | 11 | 7000 | 8500 |
| 11210 | 1211K+H211 | 50 | 100 | 21/37 | | 1 | 27 | 13,7 | 6300 | 7500 |
| 11211 | 1212K+H212 | 55 | 110 | 22/38 | | 1,25 | 30 | 16 | 5600 | 6700 |
| 11212 | 1213K+H213 | 60 | 120 | 23/40 | | 1,55 | 31 | 17,3 | 5300 | 6300 |
| 11213 | 1215K+H215 | 65 | 130 | 25/43 | | 2,05 | 39 | 21,6 | 4800 | 5600 |
| 11214 | 1216K+H216 | 70 | 140 | 26/46 | | 2,5 | 40 | 23,6 | 4500 | 5300 |
| 11215 | 1217K+H217 | 75 | 150 | 28/50 | | 3,05 | 49 | 28,5 | 4000 | 4800 |
| 11216 | 1218K+H218 | 80 | 160 | 30/52 | | 3,65 | 57 | 32 | 3800 | 4500 |
| 11217 | 1219K+H219 | 85 | 170 | 32/55 | | 4,5 | 63,7 | 27 | 3600 | 4300 |
| 11218 | 1220K+H220 | 90 | 180 | 34/58 | | 5,15 | 69,5 | 41,5 | 3400 | 4000 |
| 11220 | 1222K+H222 | 100 | 200 | 38/63 | | 7 | 88 | 53 | 3000 | 3600 |
| 11222 | 1224K+H224 | 110 | 215 | 42/66 | | 8,6 | 120 | 72 | 2000 | 2600 |
| | | | | | | | | | | |
| 11304 | 1305K+H305 | 20 | 62 | 17/29 | | 0,33 | 13,7 | 5,85 | 9500 | 12000 |
| 11305 | 1306K+H306 | 25 | 72 | 19/31 | | 0,49 | 21,2 | 8,5 | 9000 | 11000 |
| 11306 | 1307K+H307 | 30 | 80 | 21/35 | | 0,64 | 25 | 10,6 | 7500 | 9000 |
| 11307 | 1308K+H308 | 35 | 90 | 23/36 | | 0,89 | 29 | 12,9 | 6700 | 8000 |
| 11308 | 1309K+H309 | 40 | 100 | 25/39 | | 1,2 | 38 | 17 | 6300 | 7500 |
| 11309 | 1310K+H310 | 45 | 110 | 27/42 | | 1,5 | 41,5 | 19,3 | 5600 | 6700 |
| 11310 | 1311K+H311 | 50 | 120 | 29/45 | | 1,9 | 51 | 24 | 5000 | 6000 |
| 11311 | 1312K+H312 | 55 | 130 | 31/47 | | 2,3 | 57 | 28 | 4500 | 5300 |
| 11312 | 1313K+H313 | 60 | 140 | 33/50 | | 2,85 | 62 | 31 | 4300 | 5000 |
| 11313 | 1315K+H315 | 65 | 160 | 37/55 | | 4,35 | 80 | 40,5 | 3800 | 4500 |
| 11314 | 1316K+H316 | 70 | 170 | 39/59 | | 5,15 | 88 | 45 | 3600 | 4300 |
| 11315 | 1317K+H317 | 75 | 180 | 41/63 | | 6,1 | 98 | 51 | 3400 | 4000 |
| 11316 | 1318K+H318 | 80 | 190 | 43/65 | | 7,05 | 108 | 58,5 | 3200 | 3800 |
| 11317 | 1319K+H319 | 85 | 200 | 45/65 | | 8,26 | 133 | 51 | 3000 | 3600 |
| 11318 | 1320K+H320 | 90 | 215 | 47/71 | | 9,9 | 143 | 76,5 | 2800 | 3400 |
| 11319 | 1324K+H321 | 95 | 225 | 49/74 | | 12,9 | 157 | 71 | 2000 | 2600 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 11 000 | (1000K +H…; 2000K+ H…) | - on the fixing barrel |

OPTIONS OF SEPARATOR DESIGN:
- solid steel stamped;
- composite steel stamped;
- solid or composite cast separator made of glass-nylon composite
- solid or composite mechanically processed separator made of brass



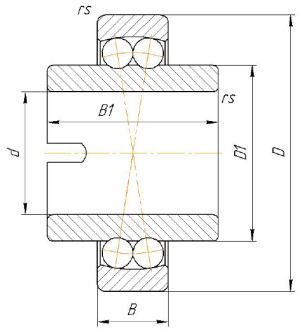

**11 000 (1000K +H…; 2000K+ H…)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 11320 | 1322K+H322 | 100 | 240 | 50/77 | | 14,18 | 163 | 91,5 | 2400 | 3000 |
| | | | | | | | | | | |
| 11504 | 2205K+H305 | 20 | 52 | 18/29 | | 0,25 | 12,5 | 4,65 | 11000 | 14000 |
| 11505 | 2206K+H306 | 25 | 62 | 20/31 | | 0,36 | 15,3 | 6,1 | 9500 | 12000 |
| 11506 | 2207K+H307 | 30 | 72 | 23/35 | | 0,54 | 21,6 | 8,8 | 8500 | 10000 |
| 11507 | 2208K+H308 | 35 | 80 | 23/36 | | 0,68 | 22,4 | 10 | 7500 | 9000 |
| 11508 | 2209K+H309 | 40 | 85 | 23/39 | | 0,78 | 23,2 | 11 | 7000 | 8500 |
| 11509 | 2210K+H310 | 45 | 90 | 23/42 | | 0,88 | 23,2 | 11,6 | 6300 | 7500 |
| 11510 | 2211K+H311 | 50 | 100 | 25/45 | | 1,15 | 26,5 | 13,4 | 6000 | 7000 |
| 11511 | 2212K+H312 | 55 | 110 | 28/47 | | 1,45 | 34 | 17,3 | 5300 | 6300 |
| 11512 | 2213K+H313 | 60 | 120 | 31/50 | | 1,9 | 44 | 22,4 | 5000 | 6000 |
| 11513 | 2215K+H315 | 65 | 130 | 31/55 | | 2,4 | 44 | 24,5 | 4500 | 5300 |
| 11514 | 2216K+H316 | 70 | 140 | 33/59 | | 3 | 51 | 28,5 | 4000 | 4800 |
| 11515 | 2217K+H317 | 75 | 150 | 36/63 | | 3,65 | 58,5 | 32 | 3800 | 4500 |
| 11516 | 2218K+H318 | 80 | 160 | 40/65 | | 4,7 | 71 | 39 | 3400 | 4300 |
| 11518 | 2220K+H320 | 90 | 180 | 46/71 | | 6,55 | 98 | 55 | 3200 | 3800 |
| 11520 | 2222 K+H322 | 100 | 200 | 53/77 | | 9,1 | 124 | 67 | 2800 | 3400 |
| | | | | | | | | | | |
| 11605 | 2306K+H2306 | 25 | 72 | 27/38 | | 0,62 | 24 | 10 | 8000 | 9500 |
| 11606 | 2307K+H2307 | 30 | 80 | 31/43 | | 0,82 | 39 | 14,6 | 7000 | 8500 |
| 11607 | 2308K+H2308 | 35 | 90 | 33/46 | | 1,15 | 45 | 17,6 | 6300 | 7500 |
| 11608 | 2309K+H2309 | 40 | 100 | 36/50 | | 1,5 | 54 | 22 | 5600 | 6700 |
| 11609 | 2310K+H2310 | 45 | 110 | 40/55 | | 1,95 | 64 | 26,5 | 5300 | 6300 |
| 11610 | 2311K+H2311 | 50 | 120 | 43/59 | | 2,45 | 75 | 31,5 | 4500 | 5600 |
| 11611 | 2312K+H2312 | 55 | 130 | 46/62 | | 3 | 86,5 | 37,5 | 4000 | 5300 |
| 11612 | 2313K+H2313 | 60 | 140 | 48/65 | | 3,7 | 95 | 43 | 3600 | 4500 |
| 11613 | 2315K+H2315 | 65 | 160 | 55/73 | | 5,65 | 122 | 56 | 3000 | 3800 |
| 11614 | 2316K+H2316 | 70 | 170 | 58/78 | | 7,25 | 137 | 64 | 2600 | 3200 |
| 11615 | 2317K+H2317 | 75 | 180 | 60/82 | | 8,35 | 140 | 68 | 3000 | 3600 |
| 11616 | 2318K+H2318 | 80 | 190 | 64/86 | | 10 | 153 | 76,5 | 2800 | 3400 |
| 11618 | 2320K+H2320 | 90 | 215 | 73/97 | | 15,3 | 193 | 104 | 2400 | 3000 |

DESIGN OPTIONS:

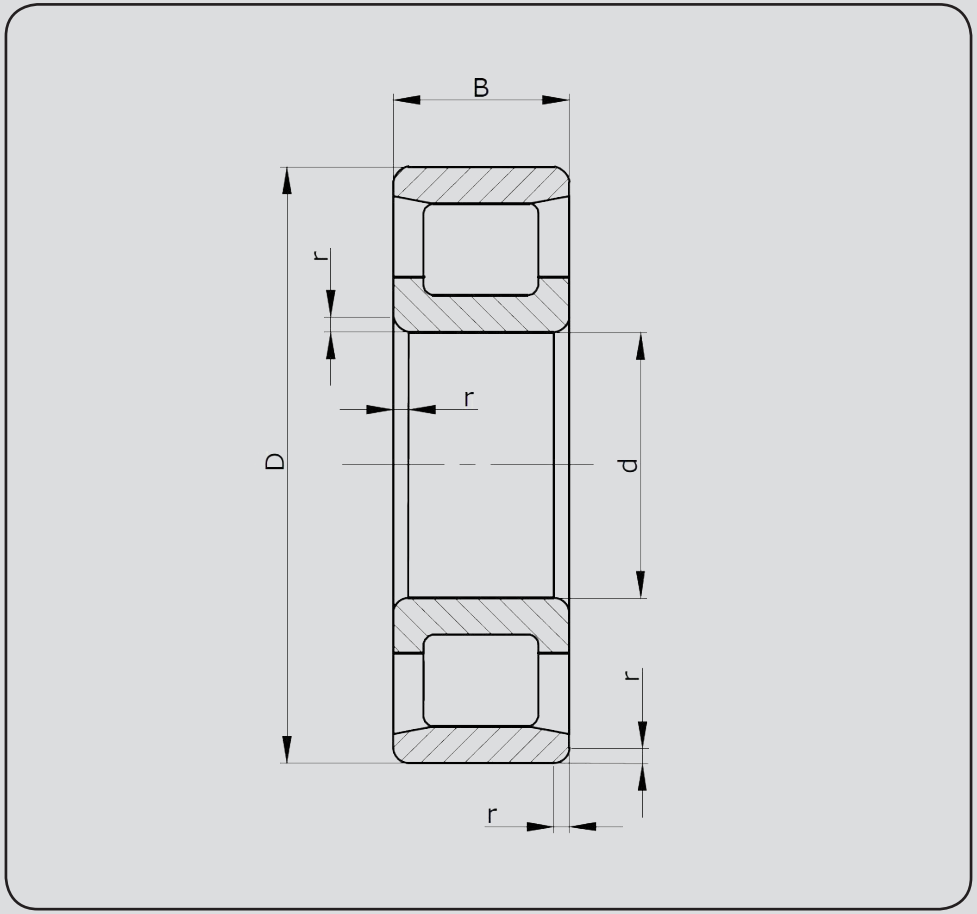
| | | |
|---|---|---|
| | (11200; 11300) | - with the acting inner race |

OPTIONS OF SEPARATOR DESIGN:
- solid steel stamped;
- composite steel stamped;
- solid or composite cast separator made of glass-nylon composite
- solid or composite mechanically processed separator made of brass




**(11200; 11300)**

| GOST designatio | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | 11204 | 20 | 47 | 14/40 | | 0,18 | 12,7 | 3,4 | 9000 | 9000 |
| - | 11205 | 25 | 52 | 15/44 | | 0,22 | 14,3 | 4 | 8000 | 8000 |
| - | 11206 | 30 | 62 | 16/48 | | 0,35 | 15,6 | 4,65 | 6700 | 6700 |
| - | 11207 | 35 | 72 | 17/52 | | 0,54 | 15,9 | 5,1 | 5600 | 5600 |
| - | 11208 | 40 | 80 | 18/56 | | 0,72 | 19 | 6,55 | 5000 | 5000 |
| - | 11209 | 45 | 85 | 19/58 | | 0,77 | 21,6 | 7,35 | 4500 | 4500 |
| - | 11210 | 50 | 90 | 20/58 | | 0,85 | 22,9 | 8,15 | 4300 | 4300 |
| - | 11211 | 55 | 100 | 21/60 | | 1,16 | 26,8 | 10 | 5800 | 7100 |
| - | 11212 | 60 | 110 | 22/62 | | 1,15 | 30,2 | 11,6 | 3400 | 3400 |
| | | | | | | | | | | |
| - | 11304 | 20 | 52 | 15/44 | | 0,266 | 12,4 | 3,35 | 13000 | 15000 |
| - | 11305 | 25 | 62 | 17/48 | | 0,445 | 17,6 | 4,95 | 9900 | 12000 |
| - | 11306 | 30 | 72 | 19/52 | | 0,614 | 21,3 | 6,3 | 8700 | 11000 |
| - | 11307 | 35 | 80 | 21/56 | | 0,821 | 25,1 | 7,85 | 7600 | 9300 |
| - | 11308 | 40 | 90 | 23/58 | | 1,09 | 29,5 | 9,7 | 6900 | 8400 |
| - | 11309 | 45 | 100 | 25/60 | | 1,4 | 38,1 | 12,7 | 6100 | 7500 |
| - | 11310 | 50 | 110 | 27/62 | | 1,74 | 43,4 | 14,1 | 5600 | 6800 |




# ROLLER RADIAL BEARINGS WITH SHORT CYLINDRICAL ROLLERS

**(TYPE BEARING «2»)**

## I. ROLLER RADIAL BEARINGS WITH SHORT CYLINDRICAL ROLLERS SINGLE-ROW

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**ROLLER RADIAL BEARINGS WITH SHORT CYLINDRICAL DOUBLE-ROW WITH THE FLAT-BED OUTER RACE ..... 238**

**ROLLER RADIAL BEARINGS WITH SHORT CYLINDRICAL DOUBLE-ROW WITHOUT SEPARATOR ..... 246**

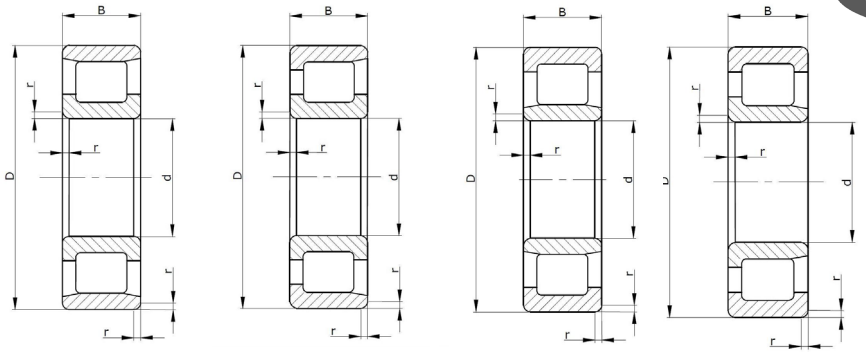
**ROLLER RADIAL BEARINGS WITH SHORT CYLINDRICAL FOUR-ROW ..... 256**

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

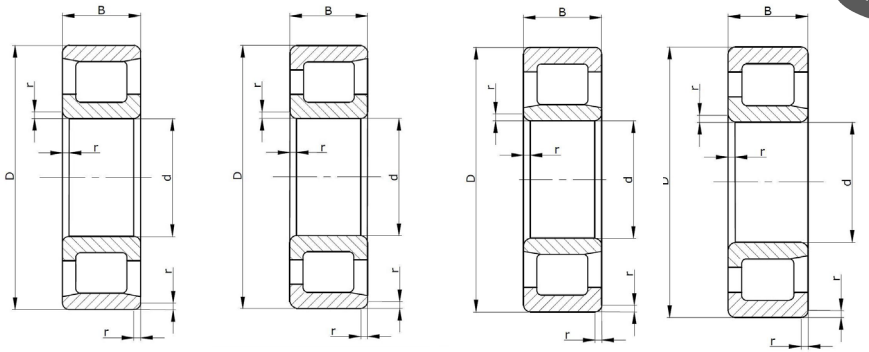
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2104 | N 1004 | 20 | 42 | 12 | | 0,08 | 9 | 8,8 | 20000 | 16000 |
| 2105 | N 1005 | 25 | 47 | 12 | | 0,084 | 14,2 | 13,2 | 15000 | 18000 |
| 2106 | N 1006 | 30 | 55 | 13 | | 0,12 | 17,9 | 7,85 | 13000 | 15000 |
| 2107 | N 1007 | 35 | 62 | 14 | | 0,18 | 21,6 | 12,2 | 10000 | 11000 |
| 2108 | N 1008 | 40 | 68 | 15 | | 0,22 | 25,1 | 14,6 | 9500 | 12000 |
| 2109 | N 1009 | 45 | 75 | 16 | | 0,29 | 21,4 | 17,6 | 9200 | 11000 |
| 2110 | N 1010 | 50 | 80 | 16 | | 0,31 | 30,8 | 17,6 | 8400 | 9900 |
| 2111 | N 1011 | 55 | 90 | 18 | | 0,45 | 34,7 | 23,6 | 7500 | 8900 |
| 2112 | N 1012 | 60 | 95 | 18 | | 0,48 | 35,8 | 22,8 | 7000 | 8300 |
| 2113 | N 1013 | 65 | 100 | 18 | | 0,51 | 38 | 26,5 | 6600 | 7800 |
| 2114 | N 1014 | 70 | 110 | 20 | | 0,7 | 56,1 | 36 | 6100 | 7200 |
| 2115 | N 1015 | 75 | 115 | 20 | | 0,74 | 58,3 | 39 | 5700 | 6800 |
| 2116 | N 1016 | 80 | 125 | 22 | | 0,99 | 66 | 44 | 5300 | 6300 |
| 2117 | N 1017 | 85 | 130 | 22 | | 1,05 | 68,2 | 46,5 | 5100 | 6000 |
| 2118 | N 1018 | 90 | 140 | 24 | | 1,35 | 80,9 | 56 | 4700 | 5600 |
| 2119 | N 1019 | 95 | 145 | 24 | | 1,4 | 84,2 | 58,5 | 4500 | 5300 |
| 2120 | N 1020 | 100 | 150 | 24 | | 1,45 | 85,8 | 62 | 4300 | 5100 |
| 2121 | N 1021 | 105 | 160 | 26 | | 1,85 | 101 | 72,5 | 4100 | 4800 |
| 2122 | N 1022 | 110 | 170 | 28 | | 2,3 | 128 | 88 | 3800 | 4500 |
| 2124 | N 1024 | 120 | 180 | 28 | | 2,45 | 134 | 96,5 | 3500 | 4200 |
| 2126 | N 1026 | 130 | 200 | 33 | | 3,75 | 165 | 120 | 3200 | 3800 |
| 2128 | N 1028 | 140 | 210 | 33 | | 4 | 172 | 132 | 3000 | 3600 |
| 2130 | N 1030 | 150 | 225 | 35 | | 4,85 | 194 | 155 | 2800 | 3300 |
| 2132 | N 1032 | 160 | 240 | 38 | | 5,95 | 229 | 173 | 2600 | 3000 |
| 2134 | N 1034 | 170 | 260 | 42 | | 7,9 | 275 | 212 | 2400 | 2800 |
| 2136 | N 1036 | 180 | 280 | 46 | | 10,5 | 336 | 265 | 2200 | 2600 |
| 2138 | N 1038 | 190 | 290 | 46 | | 10,9 | 347 | 275 | 2100 | 2500 |
| 2140 | N 1040 | 200 | 310 | 51 | | 14 | 380 | 310 | 1900 | 2300 |
| 2144 | N 1044 | 220 | 340 | 56 | | 18,5 | 495 | 400 | 1700 | 2000 |
| 2148 | N 1048 | 240 | 360 | 56 | | 20 | 523 | 440 | 1600 | 1900 |
| 2152 | N 1052 | 260 | 400 | 65 | | 29 | 627 | 530 | 1400 | 1700 |
| 2156 | N 1056 | 280 | 420 | 65 | | 32,5 | 660 | 570 | 1300 | 1500 |
| 2160 | N 1060 | 300 | 460 | 74 | | 44 | 858 | 750 | 1200 | 1400 |
| 2164 | N 1064 | 320 | 480 | 74 | | 48,5 | 880 | 780 | 1100 | 1300 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

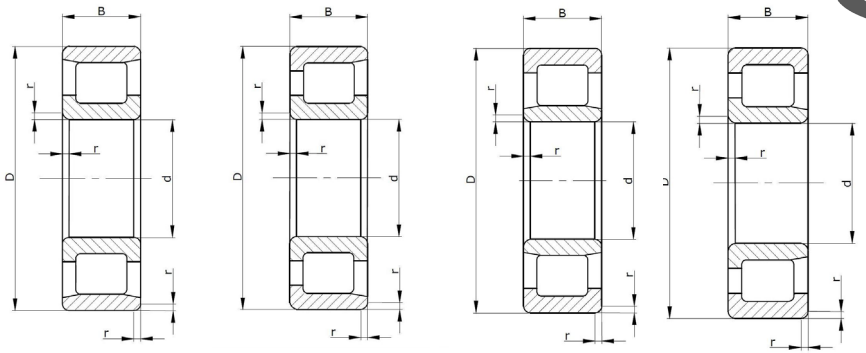
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2168 | N 1068 | 340 | 520 | 82 | | 65 | 1080 | 950 | 980 | 1200 |
| 2172 | N 1072 | 360 | 540 | 82 | | 67,5 | 1100 | 1000 | 920 | 1100 |
| 2176 | N 1076 | 380 | 560 | 82 | | 71 | 1140 | 1040 | 860 | 1000 |
| 2180 | N 1080 | 400 | 600 | 90 | | 92,5 | 1380 | 1270 | 780 | 920 |
| 2184 | N 1084 | 420 | 620 | 90 | | 96 | 1420 | 1320 | 730 | 860 |
| 2188 | N 1088 | 440 | 650 | 94 | | 110 | 1510 | 1430 | 680 | 800 |
| 2192 | N 1092 | 460 | 680 | 100 | | 125 | 1650 | 1560 | 630 | 750 |
| 2196 | N 1096 | 480 | 700 | 100 | | 132 | 1700 | 1620 | 600 | 700 |
| 21/500 | N 10/500 | 500 | 720 | 100 | | 137 | 1720 | 1660 | 570 | 650 |
| 21/530 | N 10/530 | 530 | 780 | 112 | | 188 | 2290 | 2300 | 550 | 600 |
| | | | | | | | | | | |
| 2202 | N 202 | 15 | 35 | 11 | | 0,047 | 8,97 | 7,5 | 19000 | 24000 |
| 2203 | N 203 | 17 | 40 | 12 | | 0,067 | 10,8 | 9 | 17000 | 20000 |
| 2204 | N 204 | 20 | 47 | 14 | | 0,11 | 14,7 | 13 | 15000 | 18000 |
| 2205 | N 205 | 25 | 52 | 15 | | 0,13 | 16,8 | 15,5 | 12000 | 15000 |
| 2206 | N 206 | 30 | 62 | 16 | | 0,2 | 22,4 | 21,5 | 10000 | 13000 |
| 2207 | N 207 | 35 | 72 | 17 | | 0,29 | 31,9 | 31,5 | 9000 | 11000 |
| 2208 | N 208 | 40 | 80 | 18 | | 0,37 | 41,8 | 43 | 8500 | 10000 |
| 2209 | N 209 | 45 | 85 | 19 | | 0,43 | 44 | 46 | 7500 | 9000 |
| 2210 | N 210 | 50 | 90 | 20 | | 0,48 | 45,7 | 49,5 | 7000 | 8500 |
| 2211 | N 211 | 55 | 100 | 21 | | 0,64 | 56,1 | 61,5 | 6300 | 7500 |
| 2212 | N 212 | 60 | 110 | 22 | | 0,82 | 64,4 | 77,5 | 5600 | 6700 |
| 2213 | N 213 | 65 | 120 | 23 | | 1,05 | 76,5 | 86 | 5300 | 6300 |
| 2214 | N 214 | 70 | 125 | 24 | | 1,15 | 79,2 | 92 | 5000 | 6000 |
| 2215 | N 215 | 75 | 130 | 25 | | 1,25 | 91,3 | 114 | 4800 | 5600 |
| 2216 | N 216 | 80 | 140 | 26 | | 1,5 | 106 | 123 | 4500 | 5300 |
| 2217 | N 217 | 85 | 150 | 28 | | 1,9 | 119 | 141 | 4300 | 5000 |
| 2218 | N 218 | 90 | 160 | 30 | | 2,3 | 142 | 190 | 3800 | 4500 |
| 2219 | N 219 | 95 | 170 | 32 | | 2,8 | 165 | 202 | 3600 | 4300 |
| 2220 | N 220 | 100 | 180 | 34 | | 3,4 | 183 | 226 | 3400 | 4000 |
| 2221 | N 221 | 105 | 190 | 36 | | 4 | 201 | 247 | 3200 | 3800 |
| 2222 | N 222 | 110 | 200 | 38 | | 4,65 | 229 | 300 | 3000 | 3600 |
| 2224 | N 224 | 120 | 215 | 40 | | 5,65 | 260 | 331 | 2800 | 3400 |
| 2226 | N 226 | 130 | 230 | 40 | | 6,5 | 270 | 369 | 2600 | 3200 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

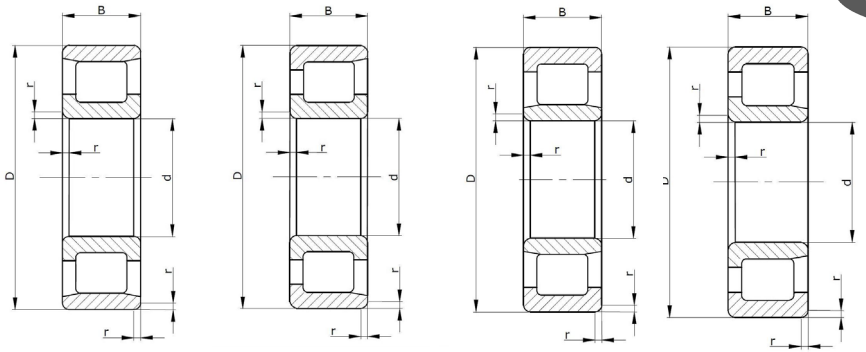
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2228 | N 228 | 140 | 250 | 42 | | 8,25 | 308 | 427 | 2400 | 3000 |
| 2230 | N 230 | 150 | 270 | 45 | | 10,5 | 358 | 497 | 2000 | 2600 |
| 2232 | N 232 | 160 | 290 | 48 | | 15 | 501 | 705 | 1800 | 2200 |
| 2234 | N 234 | 170 | 310 | 52 | | 18,5 | 616 | 841 | 1800 | 2200 |
| 2236 | N 236 | 180 | 320 | 52 | | 19,5 | 627 | 886 | 1700 | 2000 |
| 2238 | N 238 | 190 | 340 | 55 | | 23,5 | 693 | 550 | 1600 | 1900 |
| 2240 | N 240 | 200 | 360 | 58 | | 27,5 | 700 | 1000 | 1500 | 1800 |
| 2244 | N 244 | 220 | 400 | 65 | | 38,5 | 765 | 1104 | 1500 | 1800 |
| 2248 | N 248 | 240 | 440 | 72 | | 52 | 952 | 1402 | 1300 | 1600 |
| 2252 | N 252 | 260 | 480 | 80 | | 68,6 | 1170 | 1800 | 1100 | 1400 |
| 2254 | N 256 | 280 | 500 | 80 | | 71,8 | 1120 | 1750 | 1200 | 1500 |
| 2260 | N 260 | 300 | 540 | 85 | | 89,7 | 1400 | 2270 | 1100 | 1400 |
| 2264 | N 264 | 320 | 580 | 92 | | 113 | 1600 | 2360 | 1000 | 1300 |
| | | | | | | | | | | |
| 2302 | N 302 | 15 | 42 | 13 | | 0,11 | 13,7 | 12,5 | 16000 | 19000 |
| 2303 | N 303 | 17 | 47 | 14 | | 0,12 | 15,7 | 7,8 | 13000 | 16000 |
| 2304 | N 304 | 20 | 52 | 15 | | 0,15 | 20,5 | 10,4 | 11000 | 14000 |
| 2305 | N 305 | 25 | 62 | 17 | | 0,24 | 28,6 | 15 | 9500 | 12000 |
| 2306 | N 306 | 30 | 72 | 19 | | 0,36 | 36,9 | 32,5 | 8500 | 10000 |
| 2307 | N 307 | 35 | 80 | 21 | | 0,48 | 44,6 | 44 | 8000 | 9500 |
| 2308 | N 308 | 40 | 90 | 23 | | 0,66 | 56,1 | 32,5 | 6300 | 7500 |
| 2309 | N 309 | 45 | 100 | 25 | | 0,87 | 72,1 | 41,5 | 5600 | 6700 |
| 2310 | N 310 | 50 | 110 | 27 | | 1,15 | 88 | 52 | 5300 | 6300 |
| 2311 | N 311 | 55 | 120 | 29 | | 1,45 | 102 | 67 | 4800 | 5600 |
| 2312 | N 312 | 60 | 130 | 31 | | 1,85 | 123 | 76,5 | 4300 | 5000 |
| 2313 | N 313 | 65 | 140 | 33 | | 2,25 | 138 | 85 | 4000 | 4800 |
| 2314 | N 314 | 70 | 150 | 35 | | 2,75 | 151 | 102 | 2800 | 4500 |
| 2315 | N 315 | 75 | 160 | 37 | | 3,25 | 183 | 125 | 3400 | 4000 |
| 2316 | N 316 | 80 | 170 | 39 | | 3,9 | 190 | 125 | 3200 | 3800 |
| 2317 | N 317 | 85 | 180 | 41 | | 4,5 | 212 | 146 | 3000 | 3600 |
| 2318 | N 318 | 90 | 190 | 43 | | 5,4 | 242 | 160 | 2800 | 3400 |
| 2319 | N 319 | 95 | 200 | 45 | | 6,2 | 264 | 190 | 2800 | 3400 |
| 2320 | N 320 | 100 | 215 | 47 | | 7,7 | 303 | 220 | 2600 | 3200 |
| 2321 | N 321 | 105 | 225 | 49 | | 8,75 | 347 | 236 | 2600 | 3200 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

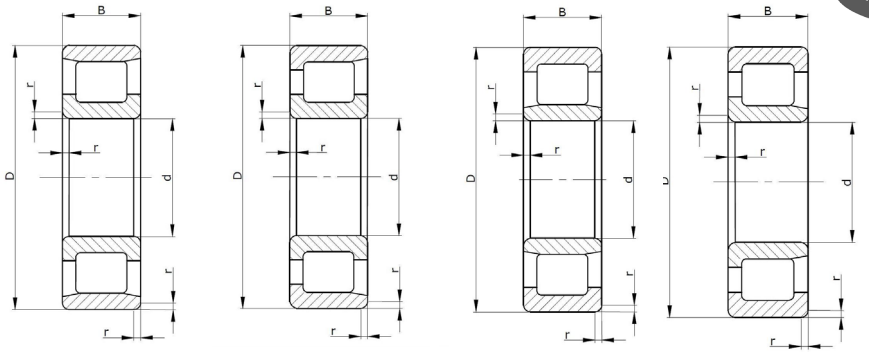
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2322 | N 322 | 110 | 240 | 50 | | 10,5 | 391 | 290 | 2400 | 3000 |
| 2324 | N 324 | 120 | 260 | 55 | | 13 | 457 | 340 | 2200 | 2800 |
| 2326 | N 326 | 130 | 280 | 58 | | 16,5 | 539 | 405 | 2000 | 2600 |
| 2328 | N 328 | 140 | 300 | 62 | | 20 | 594 | 455 | 1900 | 2400 |
| 2330 | N 330 | 150 | 320 | 65 | | 27 | 675 | 500 | 1800 | 2200 |
| 2332 | N 332 | 160 | 340 | 68 | | 32 | 710 | 550 | 1600 | 1900 |
| 2334 | N 334 | 170 | 360 | 72 | | 38,5 | 809 | 610 | 1600 | 1900 |
| 2336 | N 336 | 180 | 380 | 75 | | 42,5 | 850 | 695 | 1500 | 1800 |
| 2338 | N 338 | 190 | 400 | 78 | | 50 | 990 | 800 | 1400 | 1700 |
| 2340 | N 340 | 200 | 420 | 80 | | 56 | 860 | 765 | 1400 | 1700 |
| 2344 | N 344 | 220 | 460 | 88 | | 72,5 | 1210 | 950 | 1300 | 1600 |
| 2348 | N 348 | 240 | 500 | 95 | | 94,7 | 1400 | 1930 | 1200 | 1500 |
| 2352 | N 352 | 260 | 540 | 102 | | 117 | 1600 | 2200 | 1100 | 1400 |
| 2356 | N 356 | 280 | 580 | 108 | | 141 | 1800 | 2500 | 1000 | 1300 |
| 2360 | N 360 | 300 | 620 | 109 | | 165 | 2080 | 3000 | 900 | 1100 |
| | | | | | | | | | | |
| 2406 | N 406 | 30 | 90 | 23 | | 0,75 | 60,5 | 34 | 7000 | 8500 |
| 2407 | N 407 | 35 | 100 | 25 | | 1 | 76,5 | 44 | 6300 | 7500 |
| 2408 | N 408 | 40 | 110 | 27 | | 1,3 | 96,8 | 57 | 5600 | 6700 |
| 2409 | N 409 | 45 | 120 | 29 | | 1,65 | 106 | 69,5 | 5000 | 6000 |
| 2410 | N 410 | 50 | 130 | 31 | | 2 | 130 | 86,5 | 4500 | 5300 |
| 2411 | N 411 | 55 | 140 | 33 | | 2,5 | 142 | 86,5 | 4300 | 5000 |
| 2412 | N 412 | 60 | 150 | 35 | | 3 | 168 | 106 | 4000 | 4800 |
| 2413 | N 413 | 65 | 160 | 37 | | 3,6 | 183 | 127 | 3800 | 4500 |
| 2414 | N 414 | 70 | 180 | 42 | | 5,25 | 229 | 163 | 3400 | 4000 |
| 2415 | N 415 | 75 | 190 | 45 | | 6,25 | 264 | 173 | 3200 | 3800 |
| 2416 | N 416 | 80 | 200 | 48 | | 7,3 | 303 | 200 | 3000 | 3600 |
| 2417 | N 417 | 85 | 210 | 52 | | 8,7 | 319 | 228 | 2800 | 3400 |
| 2418 | N 418 | 90 | 225 | 54 | | 10,5 | 385 | 260 | 2600 | 3200 |
| 2419 | N 419 | 95 | 240 | 55 | | 13,5 | 419 | 280 | 2400 | 3000 |
| 2420 | N 420 | 100 | 250 | 58 | | 14 | 429 | 320 | 2400 | 3000 |
| 2421 | N 421 | 105 | 260 | 60 | | 19 | 501 | 354 | 2200 | 2800 |
| 2422 | N 422 | 110 | 280 | 65 | | 20 | 523 | 390 | 2200 | 2800 |
| 2424 | N 424 | 120 | 310 | 72 | | 28 | 644 | 490 | 1900 | 2400 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

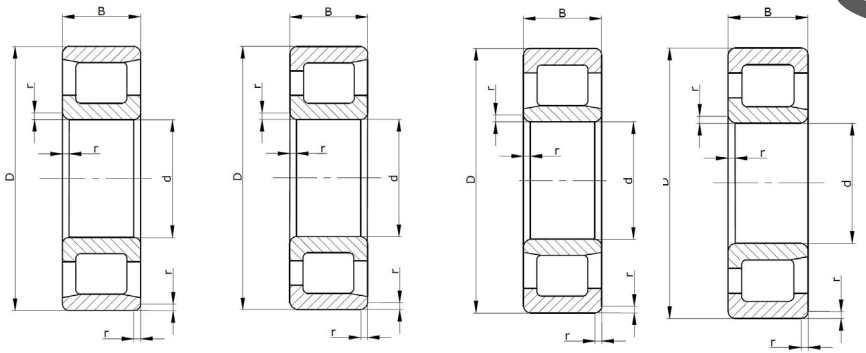
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2426 | N 426 | 130 | 340 | 78 | | 36,1 | 745 | 603 | 1800 | 2200 |
| 2428 | N 428 | 140 | 360 | 82 | | 46,8 | 805 | 655 | 1800 | 2200 |
| 2430 | N 430 | 150 | 380 | 85 | | 53,3 | 930 | 1120 | 1500 | 2000 |
| 2432 | N 432 | 160 | 400 | 88 | | 60,8 | - | - | - | - |
| 2434 | N 434 | 170 | 420 | 92 | | 69,7 | - | - | - | - |
| 2436 | N 436 | 180 | 440 | 95 | | 79 | - | - | - | - |
| 2438 | N 438 | 190 | 460 | 98 | | 87,9 | - | - | - | - |
| 2440 | N 440 | 200 | 480 | 102 | | 98,8 | - | - | - | - |
| 2444 | N 444 | 220 | 540 | 115 | | 143 | - | - | - | - |
| 2448 | N 448 | 240 | 580 | 122 | | 174 | - | - | - | - |
| | | | | | | | | | | |
| 2503 | N 2203 | 17 | 40 | 16 | | 0,089 | 15,4 | 8,15 | 15000 | 18000 |
| 2504 | N 2204 | 20 | 47 | 18 | | 0,14 | 20,1 | 10,8 | 13000 | 18000 |
| 2505 | N 2205 | 25 | 52 | 18 | | 0,16 | 22,9 | 12,9 | 12000 | 15000 |
| 2506 | N 2206 | 30 | 62 | 20 | | 0,26 | 31,9 | 19 | 9500 | 12000 |
| 2507 | N 2207 | 35 | 72 | 23 | | 0,4 | 47,3 | 29 | 8500 | 10000 |
| 2508 | N 2208 | 40 | 80 | 23 | | 0,49 | 56,1 | 35 | 7500 | 9000 |
| 2509 | N 2209 | 45 | 85 | 23 | | 0,54 | 59,4 | 38 | 7000 | 8500 |
| 2510 | N 2210 | 50 | 90 | 23 | | 0,58 | 62,7 | 40,5 | 6700 | 8000 |
| 2511 | N 2211 | 55 | 100 | 25 | | 0,78 | 73,7 | 48 | 6000 | 7000 |
| 2512 | N 2212 | 60 | 110 | 28 | | 1,05 | 92,5 | 68 | 5300 | 6300 |
| 2513 | N 2213 | 65 | 120 | 31 | | 1,45 | 110 | 76,5 | 4800 | 5600 |
| 2514 | N 2214 | 70 | 125 | 31 | | 1,5 | 117 | 81,5 | 4500 | 5300 |
| 2515 | N 2215 | 75 | 130 | 31 | | 1,55 | 125 | 88 | 4500 | 5300 |
| 2516 | N 2216 | 80 | 140 | 33 | | 1,95 | 147 | 115 | 4000 | 4800 |
| 2517 | N 2217 | 85 | 150 | 36 | | 2,5 | 168 | 122 | 3800 | 4500 |
| 2518 | N 2218 | 90 | 160 | 40 | | 3,1 | 194 | 150 | 3600 | 4300 |
| 2519 | N 2219 | 95 | 170 | 43 | | 3,85 | 229 | 170 | 3200 | 3800 |
| 2520 | N 2220 | 100 | 180 | 46 | | 4,65 | 260 | 193 | 3200 | 3800 |
| 2522 | N 2222 | 110 | 200 | 53 | | 6,96 | 319 | 240 | 2800 | 3400 |
| 2524 | N 2224 | 120 | 215 | 58 | | 8,55 | 369 | 280 | 2600 | 3200 |
| 2526 | N 2226 | 130 | 230 | 64 | | 10,5 | 528 | 425 | 2400 | 3000 |
| 2528 | N 2228 | 140 | 250 | 68 | | 13,5 | 572 | 475 | 2200 | 2800 |
| 2530 | N 2230 | 150 | 270 | 73 | | 17 | 627 | 530 | 2000 | 2600 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

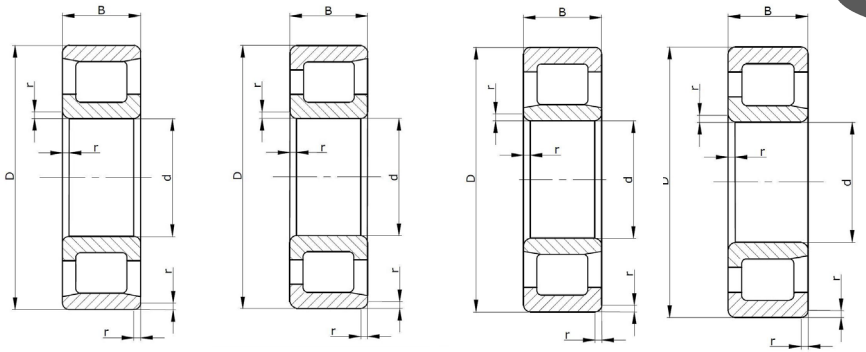
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2532 | N 2232 | 160 | 290 | 80 | | 24 | 809 | 695 | 1900 | 2400 |
| 2534 | N 2234 | 170 | 310 | 86 | | 30 | 963 | 830 | 1700 | 2000 |
| 2536 | N 2236 | 180 | 320 | 86 | | 31,5 | 915 | 865 | 1700 | 2000 |
| 2538 | N 2238 | 190 | 340 | 92 | | 39 | 1100 | 965 | 1600 | 1900 |
| 2540 | N 2240 | 200 | 360 | 98 | | 47,5 | 1230 | 1100 | 1500 | 1800 |
| 2544 | N 2244 | 220 | 400 | 108 | | 61,5 | 1140 | 1020 | 1400 | 1700 |
| 2548 | N 2248 | 240 | 440 | 120 | | 84 | 1450 | 1320 | 1300 | 1600 |
| 2552 | N 2252 | 260 | 480 | 130 | | 110 | 1790 | 1660 | 1100 | 1400 |
| 2556 | N 2256 | 280 | 500 | 130 | | 115 | 1790 | 1470 | 1100 | 1400 |
| 2560 | N 2260 | 300 | 540 | 140 | | 145 | 2090 | 1960 | 1000 | 1300 |
| 2564 | N 2264 | 320 | 580 | 150 | | 180 | 2380 | 2240 | 900 | 1100 |
| 2568 | N 2268 | 340 | 620 | 165 | | 225 | 2640 | 2500 | 850 | 1000 |
| 2572 | N 2272 | 360 | 650 | 170 | | 260 | 2920 | 2750 | 800 | 950 |
| 2576 | N 2276 | 380 | 680 | 175 | | 285 | 3140 | 3100 | 750 | 900 |
| | | | | | | | | | | |
| 2604 | N 2304 | 20 | 52 | 21 | | 0,21 | 29,7 | 16,6 | 11000 | 14000 |
| 2605 | N 2305 | 25 | 62 | 24 | | 0,34 | 41,8 | 24,5 | 9500 | 12000 |
| 2606 | N 2306 | 30 | 72 | 27 | | 0,5 | 50,1 | 29 | 8500 | 10000 |
| 2607 | N 2307 | 35 | 80 | 31 | | 0,7 | 58,3 | 38 | 7500 | 9000 |
| 2608 | N 2308 | 40 | 90 | 33 | | 0,96 | 80,9 | 51 | 6300 | 7500 |
| 2609 | N 2309 | 45 | 100 | 36 | | 1,25 | 96,8 | 67 | 5600 | 6700 |
| 2610 | N 2310 | 50 | 110 | 40 | | 1,7 | 121 | 80 | 5300 | 6300 |
| 2611 | N 2311 | 55 | 120 | 43 | | 2,1 | 138 | 98 | 4800 | 5600 |
| 2612 | N 2312 | 60 | 130 | 46 | | 2,7 | 168 | 114 | 4300 | 5000 |
| 2613 | N 2313 | 65 | 140 | 48 | | 3,25 | 190 | 129 | 4000 | 4800 |
| 2614 | N 2314 | 70 | 150 | 51 | | 3,95 | 212 | 160 | 3800 | 4500 |
| 2615 | N 2315 | 75 | 160 | 55 | | 4,85 | 260 | 200 | 3400 | 4000 |
| 2616 | N 2316 | 80 | 170 | 58 | | 5,85 | 275 | 200 | 3200 | 3800 |
| 2617 | N 2317 | 85 | 180 | 60 | | 6,6 | 297 | 230 | 3000 | 3600 |
| 2618 | N 2318 | 90 | 190 | 64 | | 7,9 | 330 | 240 | 2800 | 3400 |
| 2619 | N 2319 | 95 | 200 | 67 | | 10,4 | 374 | 300 | 2800 | 3400 |
| 2620 | N 2320 | 100 | 215 | 73 | | 12 | 440 | 355 | 2600 | 3200 |
| 2622 | N 2322 | 110 | 240 | 80 | | 19 | 610 | 540 | 2200 | 2800 |
| 2624 | N 2324 | 120 | 260 | 86 | | 24 | 792 | 630 | 2000 | 2600 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

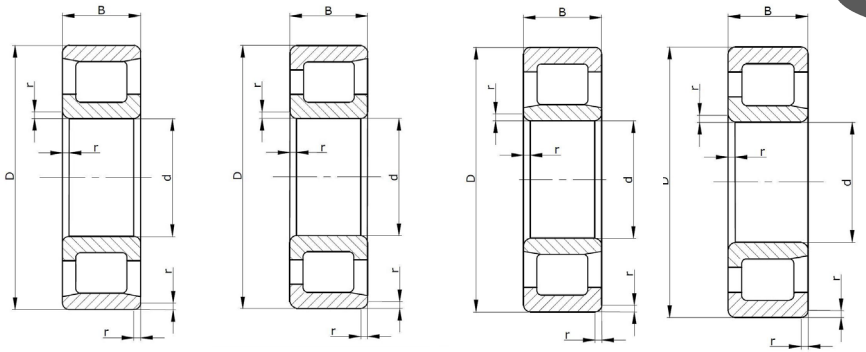
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2626 | N 2326 | 130 | 280 | 93 | | 30 | 900 | 750 | 1900 | 2400 |
| 2628 | N 2328 | 140 | 300 | 102 | | 37,5 | 1020 | 870 | 1800 | 2200 |
| 2630 | N 2330 | 150 | 320 | 108 | | 45 | 1090 | 980 | 1700 | 2000 |
| 2632 | N 2332 | 160 | 340 | 114 | | 53,5 | 1170 | 1020 | 1600 | 1900 |
| 2634 | N 2334 | 170 | 360 | 120 | | 62,5 | 1230 | 1100 | 1500 | 1800 |
| 2636 | N 2336 | 180 | 380 | 126 | | 73 | 1400 | 1200 | 1400 | 1700 |
| 2638 | N 2338 | 190 | 400 | 132 | | 85 | 1540 | 1320 | 1400 | 1700 |
| 2640 | N 2340 | 200 | 420 | 138 | | 97 | 1540 | 1320 | 1300 | 1600 |
| 2644 | N 2344 | 220 | 460 | 145 | | 125 | 1790 | 1560 | 1200 | 1500 |
| 2648 | N 2348 | 240 | 500 | 155 | | 155 | 2010 | 1900 | 1100 | 1400 |
| 2652 | N 2352 | 260 | 540 | 165 | | 190 | 2320 | 2100 | 1000 | 1300 |
| 2656 | N 2356 | 280 | 580 | 175 | | 235 | 2700 | 2500 | 900 | 1100 |
| 2660 | N 2360 | 300 | 620 | 185 | | 279 | 3860 | 3200 | 830 | 1000 |
| | | | | | | | | | | |
| 2710 | - | 50 | 100 | 21 | | 0,742 | - | - | - | - |
| 2712 | N 612 | 60 | 140 | 51 | | 3,5 | 233 | 182 | 4000 | 4800 |
| 2732 | - | 160 | 215 | 30 | | 32,6 | 152 | 160 | 2600 | 3200 |
| 2746 | - | 230 | 370 | 80 | | 41,3 | - | - | - | - |
| 2750 | - | 250 | 410 | 111 | | 54,8 | - | - | - | - |
| 2768 | - | 340 | 530 | 133 | | 114 | - | - | - | - |
| 2780 | - | 400 | 610 | 146 | | 151 | - | - | - | - |
| | | | | | | | | | | |
| 1002907 | - | 35 | 55 | 10 | | - | - | - | - | - |
| 1002908 | - | 40 | 62 | 12 | | - | - | - | - | - |
| 1002909 | - | 45 | 68 | 12 | | - | - | - | - | - |
| 1002910 | - | 50 | 72 | 12 | | - | - | - | - | - |
| 1002911 | - | 55 | 80 | 13 | | - | - | - | - | - |
| 1002912 | - | 60 | 85 | 13 | | 0,25 | 25,3 | 16,5 | - | - |
| 1002913 | - | 65 | 90 | 13 | | - | - | - | - | - |
| 1002914 | - | 70 | 100 | 16 | | - | - | - | - | - |
| 1002915 | - | 75 | 105 | 16 | | - | - | - | - | - |
| 1002916 | - | 80 | 110 | 16 | | 0,47 | 34,7 | 24 | - | - |
| 1002917 | - | 85 | 120 | 18 | | 0,6 | - | - | - | - |
| 1002918 | - | 90 | 125 | 18 | | - | - | - | - | - |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

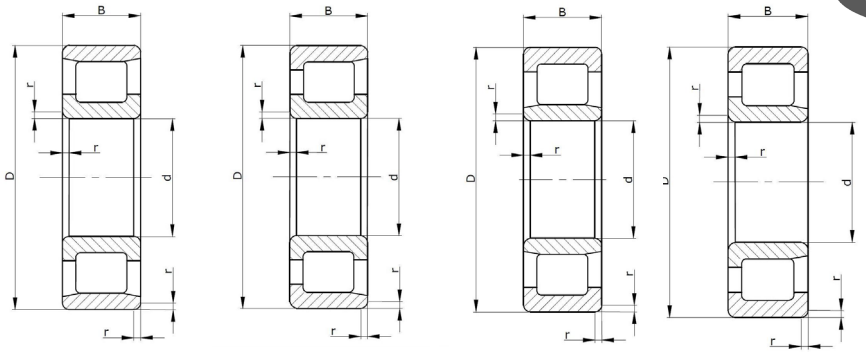
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1002920 | N 1920 | 100 | 140 | 20 | | 0,88 | 65,8 | 94,4 | 5100 | 6000 |
| 1002921 | N 1921 | 105 | 145 | 20 | | 0,951 | 71 | 102 | 4700 | 5600 |
| 1002926 | N 1926 | 130 | 180 | 24 | | 2,05 | 112 | 163 | 3800 | 4500 |
| 1002928 | N 1928 | 140 | 190 | 24 | | 2,46 | 117 | 177 | 3500 | 4200 |
| 1002930 | N 1928 | 150 | 210 | 28 | | 2,8 | 130,9 | 119 | 3500 | 4200 |
| 1002932 | N 1932 | 160 | 220 | 28 | | 3,08 | 149 | 228 | 3200 | 3800 |
| 1002934 | N 1934 | 170 | 230 | 28 | | 3,64 | 193 | 310 | 2400 | 2900 |
| 1002936 | N 1936 | 180 | 250 | 33 | | 4,92 | 219 | 355 | 2800 | 3800 |
| 1002938 | - | 190 | 260 | 33 | | - | - | - | - | - |
| 1002940 | - | 200 | 280 | 38 | | - | - | - | - | - |
| 1002944 | - | 220 | 300 | 38 | | - | - | - | - | - |
| 1002948 | N 1948 | 240 | 320 | 38 | | 8,37 | 315 | 550 | 2200 | 2800 |
| 1002952 | N 1952 | 260 | 360 | 46 | | 13,9 | 410 | 686 | 1900 | 2300 |
| 1002956 | N 1956 | 280 | 380 | 46 | | 16 | 407 | 689 | 1700 | 2000 |
| | | | | | | | | | | |
| 12115 | NF 1015 | 75 | 115 | 20 | | 0,64 | 58,3 | 39 | 5700 | 6800 |
| | | | | | | | | | | |
| 12202 | NF 202 | 15 | 35 | 11 | | 0,047 | 8,97 | 7,5 | 19000 | 24000 |
| 12203 | NF 203 | 17 | 40 | 12 | | 0,067 | 10,8 | 9 | 17000 | 20000 |
| 12204 | NF 204 | 20 | 47 | 14 | | 0,11 | 14,7 | 13 | 15000 | 18000 |
| 12205 | NF 205 | 25 | 52 | 15 | | 0,13 | 16,8 | 15,5 | 12000 | 15000 |
| 12206 | NF 206 | 30 | 62 | 16 | | 0,2 | 22,4 | 21,5 | 10000 | 13000 |
| 12207 | NF 207 | 35 | 72 | 17 | | 0,29 | 31,9 | 31,5 | 9000 | 11000 |
| 12208 | NF 208 | 40 | 80 | 18 | | 0,37 | 41,8 | 43 | 8500 | 10000 |
| 12209 | NF 209 | 45 | 85 | 19 | | 0,43 | 44 | 46 | 7500 | 9000 |
| 12210 | NF 210 | 50 | 90 | 20 | | 0,48 | 45,7 | 49,5 | 7000 | 8500 |
| 12211 | NF 211 | 55 | 100 | 21 | | 0,64 | 56,1 | 61,5 | 6300 | 7500 |
| 12212 | NF 212 | 60 | 110 | 22 | | 0,82 | 64,4 | 77,5 | 5600 | 6700 |
| 12213 | NF 213 | 65 | 120 | 23 | | 1,05 | 76,5 | 86 | 5300 | 6300 |
| 12214 | NF 214 | 70 | 125 | 24 | | 1,15 | 79,2 | 92 | 5000 | 6000 |
| 12215 | NF 215 | 75 | 130 | 25 | | 1,25 | 91,3 | 114 | 4800 | 5600 |
| 12216 | NF 216 | 80 | 140 | 26 | | 1,5 | 106 | 123 | 4500 | 5300 |
| 12217 | NF 217 | 85 | 150 | 28 | | 1,9 | 119 | 141 | 4300 | 5000 |
| 12218 | NF 218 | 90 | 160 | 30 | | 2,3 | 142 | 190 | 3800 | 4500 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

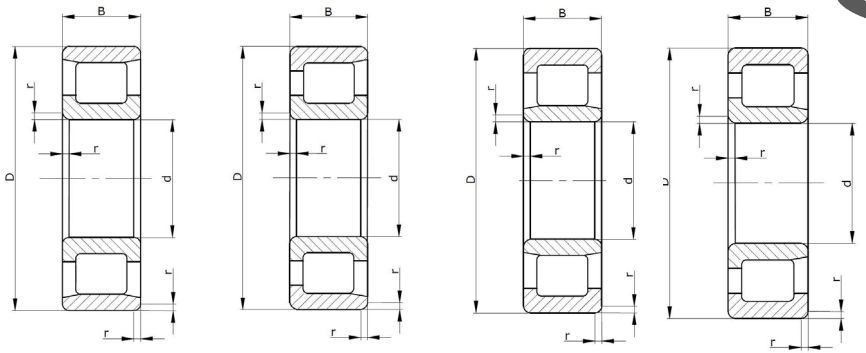
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 12220 | NF 220 | 100 | 180 | 34 | | 3,4 | 183 | 226 | 3400 | 4000 |
| 12222 | NF 222 | 110 | 200 | 38 | | 4,65 | 229 | 300 | 3000 | 3600 |
| 12224 | NF 224 | 120 | 215 | 40 | | 5,65 | 260 | 331 | 2800 | 3400 |
| 12226 | NF 226 | 130 | 230 | 40 | | 6,5 | 270 | 369 | 2600 | 3200 |
| 12228 | NF 228 | 140 | 250 | 42 | | 8,25 | 308 | 427 | 2400 | 3000 |
| 12230 | NF 230 | 150 | 270 | 45 | | 10,5 | 359 | 497 | 2000 | 2600 |
| | | | | | | | | | | |
| 12302 | NF 302 | 15 | 42 | 13 | | 0,11 | 13,7 | 12,5 | 16000 | 19000 |
| 12304 | NF 304 | 20 | 52 | 15 | | 0,15 | 20,5 | 10,4 | 11000 | 14000 |
| 12305 | NF 305 | 25 | 62 | 17 | | 0,24 | 28,6 | 15 | 9500 | 12000 |
| 12306 | NF 306 | 30 | 72 | 19 | | 0,36 | 36,9 | 32,5 | 8500 | 10000 |
| 12307 | NF 307 | 35 | 80 | 21 | | 0,48 | 44,6 | 44 | 8000 | 9500 |
| 12308 | NF 308 | 40 | 90 | 23 | | 0,66 | 56,1 | 32,5 | 6300 | 7500 |
| 12309 | NF 309 | 45 | 100 | 25 | | 0,87 | 72,1 | 41,5 | 5600 | 6700 |
| 12310 | NF 310 | 50 | 110 | 27 | | 1,15 | 88 | 52 | 5300 | 6300 |
| 12311 | NF 311 | 55 | 120 | 29 | | 1,45 | 102 | 67 | 4800 | 5600 |
| 12312 | NF 312 | 60 | 130 | 31 | | 1,85 | 123 | 76,5 | 4300 | 5000 |
| 12313 | NF 313 | 65 | 140 | 33 | | 2,25 | 138 | 85 | 4000 | 4800 |
| 12314 | NF 314 | 70 | 150 | 35 | | 2,75 | 151 | 102 | 2800 | 4500 |
| 12315 | NF 315 | 75 | 160 | 37 | | 3,25 | 183 | 125 | 3400 | 4000 |
| 12316 | NF 316 | 80 | 170 | 39 | | 3,9 | 190 | 125 | 3200 | 3800 |
| 12317 | NF 317 | 85 | 180 | 41 | | 4,5 | 212 | 146 | 3000 | 3600 |
| 12318 | NF 318 | 90 | 190 | 43 | | 5,4 | 242 | 160 | 2800 | 3400 |
| 12320 | NF 320 | 100 | 215 | 47 | | 7,7 | 303 | 220 | 2600 | 3200 |
| 12322 | NF 322 | 110 | 240 | 50 | | 10,5 | 391 | 290 | 2400 | 3000 |
| 12324 | NF 324 | 120 | 260 | 55 | | 13 | 457 | 340 | 2200 | 2800 |
| 12326 | NF 326 | 130 | 280 | 58 | | 16,5 | 539 | 405 | 2000 | 2600 |
| 12328 | NF 328 | 140 | 300 | 62 | | 20 | 594 | 455 | 1900 | 2400 |
| 12330 | NF 330 | 150 | 320 | 65 | | 27 | 675 | 500 | 1800 | 2200 |
| | | | | | | | | | | |
| 12409 | NF 409 | 45 | 120 | 29 | | 1,7 | 115 | 112 | 5000 | 6000 |
| 12410 | NF 410 | 50 | 130 | 31 | | 2,07 | 139 | 136 | 4500 | 5300 |
| 12416 | NF 416 | 80 | 200 | 48 | | 7,3 | 302 | 315 | 3100 | 4200 |
| 12418 | NF 418 | 90 | 225 | 54 | | 11,9 | 385 | 260 | 2600 | 3200 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
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| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

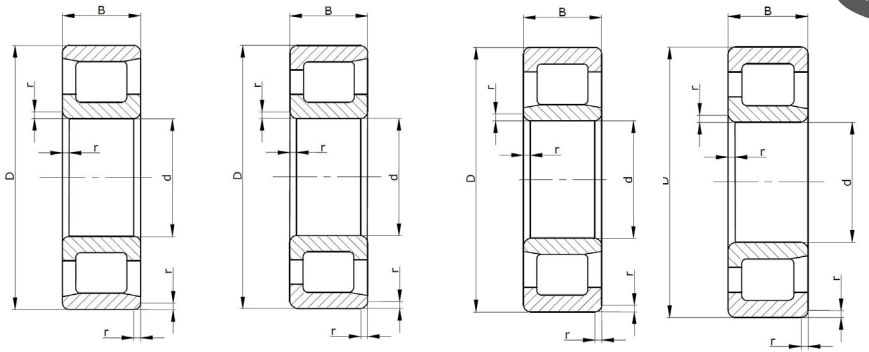
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| 12605 | NF 2305 | 25 | 62 | 24 | | 0,34 | 41,8 | 24,5 | 9500 | 12000 |
| 12606 | NF 2306 | 30 | 72 | 27 | | 0,5 | 50,1 | 29 | 8500 | 10000 |
| 12607 | NF 2307 | 35 | 80 | 31 | | 0,7 | 58,3 | 38 | 7500 | 9000 |
| 12608 | NF 2308 | 40 | 90 | 33 | | 0,96 | 80,9 | 51 | 6300 | 7500 |
| 12609 | NF 2309 | 45 | 100 | 36 | | 1,25 | 96,8 | 67 | 5600 | 6700 |
| 12610 | NF 2310 | 50 | 110 | 40 | | 1,7 | 121 | 80 | 5300 | 6300 |
| 12611 | NF 2311 | 55 | 120 | 43 | | 2,1 | 138 | 98 | 4800 | 5600 |
| 12612 | NF 2312 | 60 | 130 | 46 | | 2,7 | 168 | 114 | 4300 | 5000 |
| 12613 | NF 2313 | 65 | 140 | 48 | | 3,25 | 190 | 129 | 4000 | 4800 |
| 12614 | NF 2314 | 70 | 150 | 51 | | 3,95 | 212 | 160 | 3800 | 4500 |
| 12615 | NF 2315 | 75 | 160 | 55 | | 4,85 | 260 | 200 | 3400 | 4000 |
| 12616 | NF 2316 | 80 | 170 | 58 | | 5,85 | 275 | 200 | 3200 | 3800 |
| 12617 | NF 2317 | 85 | 180 | 60 | | 6,6 | 297 | 230 | 3000 | 3600 |
| 12618 | NF 2318 | 90 | 190 | 64 | | 7,9 | 330 | 240 | 2800 | 3400 |
| 12620 | NF 2320 | 100 | 215 | 73 | | 12 | 440 | 355 | 2600 | 3200 |
| 12622 | NF 2322 | 110 | 240 | 80 | | 19 | 610 | 540 | 2200 | 2800 |
| 12624 | NF 2324 | 120 | 260 | 86 | | 24 | 792 | 630 | 2000 | 2600 |
| 12626 | NF 2326 | 130 | 280 | 93 | | 30 | 900 | 750 | 1900 | 2400 |
| 12628 | NF 2328 | 140 | 300 | 102 | | 37,5 | 1020 | 870 | 1800 | 2200 |
| 12630 | NF 2330 | 150 | 320 | 108 | | 45 | 1090 | 980 | 1700 | 2000 |
| 12632 | NF 2332 | 160 | 340 | 114 | | 53,5 | 1170 | 1020 | 1600 | 1900 |
| 12634 | NF 2334 | 170 | 360 | 120 | | 62,5 | 1230 | 1100 | 1500 | 1800 |
| 12636 | NF 2336 | 180 | 380 | 126 | | 73 | 1400 | 1200 | 1400 | 1700 |
| | | | | | | | | | | |
| 32104 | NU 1004 | 20 | 42 | 12 | | 0,08 | 9 | 8,8 | 20000 | 16000 |
| 32105 | NU 1005 | 25 | 47 | 12 | | 0,084 | 14,2 | 13,2 | 15000 | 18000 |
| 32106 | NU 1006 | 30 | 55 | 13 | | 0,12 | 17,9 | 7,85 | 13000 | 15000 |
| 32107 | NU 1007 | 35 | 62 | 14 | | 0,18 | 21,6 | 12,2 | 11000 | 13000 |
| 32108 | NU 1008 | 40 | 68 | 15 | | 0,22 | 25,1 | 14,6 | 10000 | 12000 |
| 32109 | NU 1009 | 45 | 75 | 16 | | 0,29 | 21,4 | 17,6 | 9200 | 11000 |
| 32110 | NU 1010 | 50 | 80 | 16 | | 0,31 | 30,8 | 17,6 | 8400 | 9900 |
| 32111 | NU 1011 | 55 | 90 | 18 | | 0,45 | 34,7 | 23,6 | 7600 | 8900 |
| 32112 | NU 1012 | 60 | 95 | 18 | | 0,48 | 35,8 | 22,8 | 7000 | 8300 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

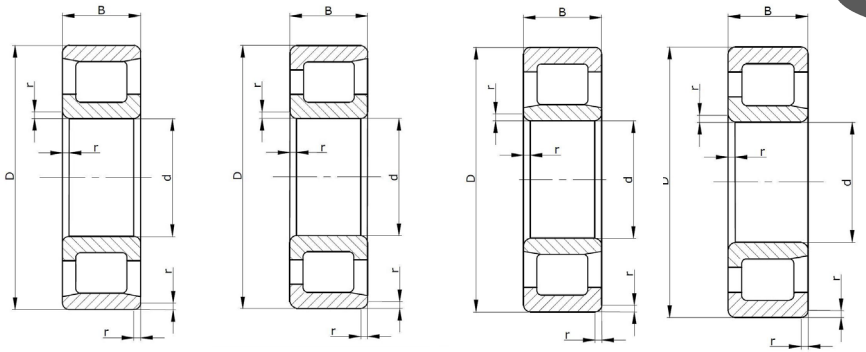
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 32113 | NU 1013 | 65 | 100 | 18 | | 0,51 | 38 | 26,5 | 6600 | 7800 |
| 32114 | NU 1014 | 70 | 110 | 20 | | 0,7 | 56,1 | 36 | 6100 | 7200 |
| 32115 | NU 1015 | 75 | 115 | 20 | | 0,74 | 58,3 | 39 | 5700 | 6800 |
| 32116 | NU 1016 | 80 | 125 | 22 | | 0,99 | 66 | 44 | 5300 | 6300 |
| 32117 | NU 1017 | 85 | 130 | 22 | | 1,05 | 68,2 | 46,5 | 5100 | 6000 |
| 32118 | NU 1018 | 90 | 140 | 24 | | 1,35 | 80,9 | 56 | 4700 | 5600 |
| 32119 | NU 1019 | 95 | 145 | 24 | | 1,4 | 84,2 | 58,5 | 4500 | 5300 |
| 32120 | NU 1020 | 100 | 150 | 24 | | 1,45 | 85,8 | 62 | 4300 | 5100 |
| 32121 | NU 1021 | 105 | 160 | 26 | | 1,85 | 101 | 72,5 | 4100 | 4800 |
| 32122 | NU 1022 | 110 | 170 | 28 | | 2,3 | 128 | 88 | 3800 | 4500 |
| 32124 | NU 1024 | 120 | 180 | 28 | | 2,45 | 134 | 96,5 | 3500 | 4200 |
| 32126 | NU 1026 | 130 | 200 | 33 | | 3,75 | 165 | 120 | 3200 | 3800 |
| 32128 | NU 1028 | 140 | 210 | 33 | | 4 | 172 | 132 | 3000 | 3600 |
| 32130 | NU 1030 | 150 | 225 | 35 | | 4,85 | 194 | 155 | 2800 | 3300 |
| 32132 | NU 1032 | 160 | 240 | 38 | | 5,95 | 229 | 173 | 2600 | 3000 |
| 32134 | NU 1034 | 170 | 260 | 42 | | 7,9 | 275 | 212 | 2400 | 2800 |
| 32136 | NU 1036 | 180 | 280 | 46 | | 10,5 | 336 | 265 | 2200 | 2600 |
| 32138 | NU 1038 | 190 | 290 | 46 | | 10,9 | 347 | 275 | 2100 | 2500 |
| 32140 | NU 1040 | 200 | 310 | 51 | | 14 | 380 | 310 | 1900 | 2300 |
| 32144 | NU 1044 | 220 | 340 | 56 | | 18,5 | 495 | 400 | 1700 | 2000 |
| 32148 | NU 1048 | 240 | 360 | 56 | | 20 | 523 | 440 | 1600 | 1900 |
| 32152 | NU 1052 | 260 | 400 | 65 | | 29 | 627 | 530 | 1400 | 1700 |
| 32156 | NU 1056 | 280 | 420 | 65 | | 32,5 | 660 | 570 | 1300 | 1500 |
| 32160 | NU 1060 | 300 | 460 | 74 | | 44 | 858 | 750 | 1200 | 1400 |
| 32164 | NU 1064 | 320 | 480 | 74 | | 48,5 | 880 | 780 | 1100 | 1300 |
| 32168 | NU 1068 | 340 | 520 | 82 | | 65 | 1080 | 950 | 980 | 1200 |
| 32172 | NU 1072 | 360 | 540 | 82 | | 67,5 | 1100 | 1000 | 920 | 1100 |
| 32176 | NU 1076 | 380 | 560 | 82 | | 71 | 1140 | 1040 | 860 | 1000 |
| 32180 | NU 1080 | 400 | 600 | 90 | | 92,5 | 1380 | 1270 | 780 | 920 |
| 32184 | NU 1084 | 420 | 620 | 90 | | 96 | 1420 | 1320 | 730 | 860 |
| 32188 | NU 1088 | 440 | 650 | 94 | | 110 | 1510 | 1430 | 680 | 800 |
| 32192 | NU 1092 | 460 | 680 | 100 | | 125 | 1650 | 1560 | 630 | 750 |
| 32196 | NU 1096 | 480 | 700 | 100 | | 132 | 1700 | 1620 | 600 | 700 |
| 321/500 | NU 10/500 | 500 | 720 | 100 | | 137 | 1720 | 1660 | 570 | 650 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

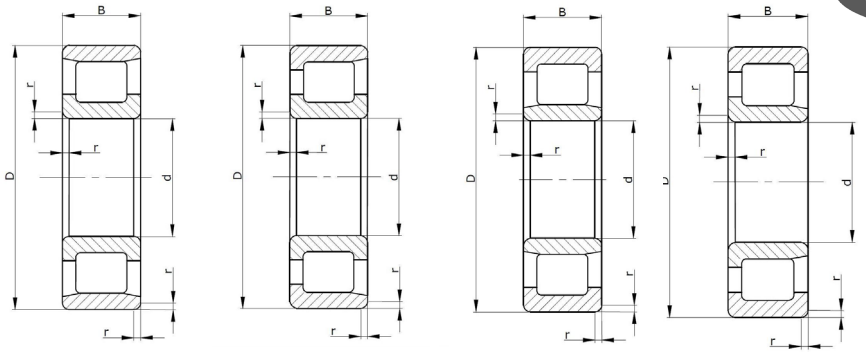
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 321/530 | NU 10/530 | 530 | 780 | 112 | | 188 | 2290 | 2300 | 800 | 1000 |
| | | | | | | | | | | |
| 32202 | NU 202 | 15 | 35 | 11 | | 0,047 | 8,97 | 7,5 | 19000 | 24000 |
| 32203 | NU 203 | 17 | 40 | 12 | | 0,067 | 10,8 | 9 | 17000 | 20000 |
| 32204 | NU 204 | 20 | 47 | 14 | | 0,11 | 14,7 | 13 | 15000 | 18000 |
| 32205 | NU 205 | 25 | 52 | 15 | | 0,13 | 16,8 | 15,5 | 12000 | 15000 |
| 32206 | NU 206 | 30 | 62 | 16 | | 0,2 | 22,4 | 21,5 | 10000 | 13000 |
| 32207 | NU 207 | 35 | 72 | 17 | | 0,29 | 31,9 | 31,5 | 9000 | 11000 |
| 32208 | NU 208 | 40 | 80 | 18 | | 0,37 | 41,8 | 43 | 8500 | 10000 |
| 32209 | NU 209 | 45 | 85 | 19 | | 0,43 | 44 | 46 | 7500 | 9000 |
| 32210 | NU 210 | 50 | 90 | 20 | | 0,48 | 45,7 | 49,5 | 7000 | 8500 |
| 32211 | NU 211 | 55 | 100 | 21 | | 0,64 | 56,1 | 61,5 | 6300 | 7500 |
| 32212 | NU 212 | 60 | 110 | 22 | | 0,82 | 64,4 | 77,5 | 5600 | 6700 |
| 32213 | NU 213 | 65 | 120 | 23 | | 1,05 | 76,5 | 86 | 5300 | 6300 |
| 32214 | NU 214 | 70 | 125 | 24 | | 1,15 | 79,2 | 92 | 5000 | 6000 |
| 32215 | NU 215 | 75 | 130 | 25 | | 1,25 | 91,3 | 114 | 4800 | 5600 |
| 32216 | NU 216 | 80 | 140 | 26 | | 1,5 | 106 | 123 | 4500 | 5300 |
| 32217 | NU 217 | 85 | 150 | 28 | | 1,9 | 119 | 141 | 4300 | 5000 |
| 32218 | NU 218 | 90 | 160 | 30 | | 2,3 | 142 | 190 | 3800 | 4500 |
| 32219 | NU 219 | 95 | 170 | 32 | | 2,8 | 165 | 202 | 3600 | 4300 |
| 32220 | NU 220 | 100 | 180 | 34 | | 3,4 | 183 | 226 | 3400 | 4000 |
| 32221 | NU 221 | 105 | 190 | 36 | | 4 | 201 | 247 | 3200 | 3800 |
| 32222 | NU 222 | 110 | 200 | 38 | | 4,65 | 229 | 300 | 3000 | 3600 |
| 32224 | NU 224 | 120 | 215 | 40 | | 5,65 | 260 | 331 | 2800 | 3400 |
| 32226 | NU 226 | 130 | 230 | 40 | | 6,5 | 270 | 369 | 2600 | 3200 |
| 32228 | NU 228 | 140 | 250 | 42 | | 8,25 | 308 | 427 | 2400 | 3000 |
| 32230 | NU 230 | 150 | 270 | 45 | | 10,5 | 358 | 497 | 2000 | 2600 |
| 32232 | NU 232 | 160 | 290 | 48 | | 15 | 501 | 705 | 1800 | 2200 |
| 32234 | NU 234 | 170 | 310 | 52 | | 18,5 | 616 | 841 | 1800 | 2200 |
| 32236 | NU 236 | 180 | 320 | 52 | | 19,5 | 627 | 886 | 1700 | 2000 |
| 32238 | NU 238 | 190 | 340 | 55 | | 23,5 | 693 | 550 | 1600 | 1900 |
| 32240 | NU 240 | 200 | 360 | 58 | | 27,5 | 700 | 1000 | 1500 | 1800 |
| 32244 | NU 244 | 220 | 400 | 65 | | 38,5 | 765 | 1104 | 1500 | 1800 |
| 32248 | NU 248 | 240 | 440 | 72 | | 52 | 952 | 1402 | 1300 | 1600 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

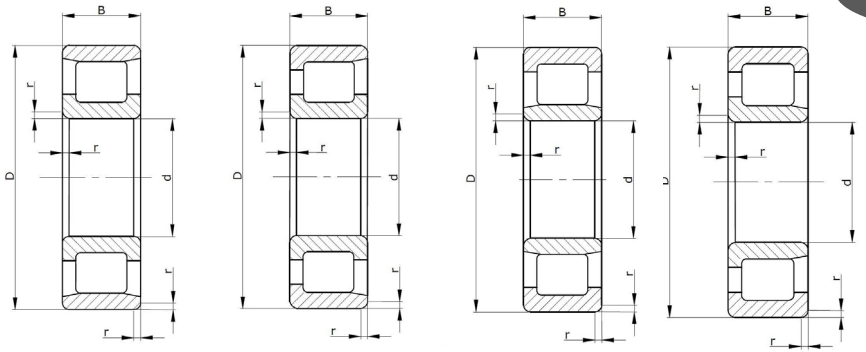
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 32252 | NU 252 | 260 | 480 | 80 | | 68,6 | 1170 | 1800 | 1100 | 1400 |
| 32254 | NU 256 | 280 | 500 | 80 | | 71,8 | 1120 | 1750 | 1200 | 1500 |
| 32260 | NU 260 | 300 | 540 | 85 | | 89,7 | 1400 | 2270 | 1100 | 1400 |
| 32264 | NU 264 | 320 | 580 | 92 | | 113 | 1600 | 2360 | 1000 | 1300 |
| | | | | | | | | | | |
| 32302 | NU 302 | 15 | 42 | 13 | | 0,11 | 13,7 | 12,5 | 16000 | 19000 |
| 32303 | NU 303 | 17 | 47 | 14 | | 0,12 | 15,7 | 7,8 | 13000 | 16000 |
| 32304 | NU 304 | 20 | 52 | 15 | | 0,15 | 20,5 | 10,4 | 11000 | 14000 |
| 32305 | NU 305 | 25 | 62 | 17 | | 0,24 | 28,6 | 15 | 9500 | 12000 |
| 32306 | NU 306 | 30 | 72 | 19 | | 0,36 | 36,9 | 32,5 | 8500 | 10000 |
| 32307 | NU 307 | 35 | 80 | 21 | | 0,48 | 44,6 | 44 | 8000 | 9500 |
| 32308 | NU 308 | 40 | 90 | 23 | | 0,66 | 56,1 | 32,5 | 6300 | 7500 |
| 32309 | NU 309 | 45 | 100 | 25 | | 0,87 | 72,1 | 41,5 | 5600 | 6700 |
| 32310 | NU 310 | 50 | 110 | 27 | | 1,15 | 88 | 52 | 5300 | 6300 |
| 32311 | NU 311 | 55 | 120 | 29 | | 1,45 | 102 | 64 | 4800 | 5600 |
| 32312 | NU 312 | 60 | 130 | 31 | | 1,85 | 123 | 76,5 | 4300 | 5000 |
| 32313 | NU 313 | 65 | 140 | 33 | | 2,25 | 138 | 85 | 4000 | 4800 |
| 32314 | NU 314 | 70 | 150 | 35 | | 2,75 | 151 | 102 | 2800 | 4500 |
| 32315 | NU 315 | 75 | 160 | 37 | | 3,25 | 183 | 125 | 3400 | 4000 |
| 32316 | NU 316 | 80 | 170 | 39 | | 3,9 | 190 | 125 | 3200 | 3800 |
| 32317 | NU 317 | 85 | 180 | 41 | | 4,5 | 212 | 146 | 3000 | 3600 |
| 32318 | NU 318 | 90 | 190 | 43 | | 5,4 | 242 | 160 | 2800 | 3400 |
| 32319 | NU 319 | 95 | 200 | 45 | | 6,2 | 264 | 190 | 2800 | 3400 |
| 32320 | NU 320 | 100 | 215 | 47 | | 7,7 | 303 | 220 | 2600 | 3200 |
| 32321 | NU 321 | 105 | 225 | 49 | | 8,75 | 347 | 236 | 2600 | 3200 |
| 32322 | NU 322 | 110 | 240 | 50 | | 10,5 | 391 | 290 | 2400 | 3000 |
| 32324 | NU 324 | 120 | 260 | 55 | | 13 | 457 | 340 | 2200 | 2800 |
| 32326 | NU 326 | 130 | 280 | 58 | | 16,5 | 539 | 405 | 2000 | 2600 |
| 32328 | NU 328 | 140 | 300 | 62 | | 20 | 594 | 455 | 1900 | 2400 |
| 32330 | NU 330 | 150 | 320 | 65 | | 27 | 675 | 500 | 1800 | 2200 |
| 32332 | NU 332 | 160 | 340 | 68 | | 32 | 710 | 550 | 1600 | 1900 |
| 32334 | NU 334 | 170 | 360 | 72 | | 38,5 | 809 | 610 | 1600 | 1900 |
| 32336 | NU 336 | 180 | 380 | 75 | | 42,5 | 850 | 695 | 1500 | 1800 |
| 32338 | NU 338 | 190 | 400 | 78 | | 50 | 990 | 800 | 1400 | 1700 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.



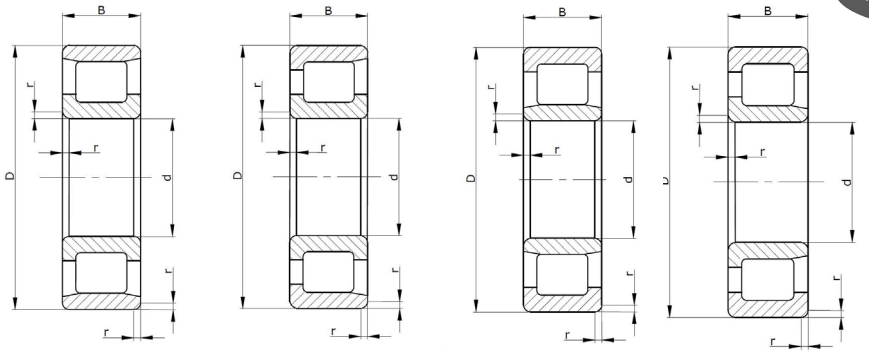

**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 32340 | NU 340 | 200 | 420 | 80 | | 56 | 860 | 765 | 1400 | 1700 |
| 32344 | NU 344 | 220 | 460 | 88 | | 72,5 | 1210 | 950 | 1300 | 1600 |
| 32348 | NU 348 | 240 | 500 | 95 | | 94,7 | 1400 | 1930 | 1200 | 1500 |
| 32352 | NU 352 | 260 | 540 | 102 | | 117 | 1600 | 2200 | 1100 | 1400 |
| 32356 | NU 356 | 280 | 580 | 108 | | 141 | 1800 | 2500 | 1000 | 1300 |
| 32360 | NU 360 | 300 | 620 | 109 | | 165 | 2080 | 3000 | 900 | 1100 |
| | | | | | | | | | | |
| 32406 | NU 406 | 30 | 90 | 23 | | 0,75 | 60,5 | 34 | 7000 | 8500 |
| 32407 | NU 407 | 35 | 100 | 25 | | 1 | 76,5 | 44 | 6300 | 7500 |
| 32408 | NU 408 | 40 | 110 | 27 | | 1,3 | 96,8 | 57 | 5600 | 6700 |
| 32409 | NU 409 | 45 | 120 | 29 | | 1,65 | 106 | 69,5 | 5000 | 6000 |
| 32410 | NU 410 | 50 | 130 | 31 | | 2 | 130 | 86,5 | 4500 | 5300 |
| 32411 | NU 411 | 55 | 140 | 33 | | 2,5 | 142 | 86,5 | 4300 | 5000 |
| 32412 | NU 412 | 60 | 150 | 35 | | 3 | 168 | 106 | 4000 | 4800 |
| 32413 | NU 413 | 65 | 160 | 37 | | 3,6 | 183 | 127 | 3800 | 4500 |
| 32414 | NU 414 | 70 | 180 | 42 | | 5,25 | 229 | 163 | 3400 | 4000 |
| 32415 | NU 415 | 75 | 190 | 45 | | 6,25 | 264 | 173 | 3200 | 3800 |
| 32416 | NU 416 | 80 | 200 | 48 | | 7,3 | 303 | 200 | 3000 | 3600 |
| 32417 | NU 417 | 85 | 210 | 52 | | 8,7 | 319 | 228 | 2800 | 3400 |
| 32418 | NU 418 | 90 | 225 | 54 | | 10,5 | 385 | 260 | 2600 | 3200 |
| 32419 | NU 419 | 95 | 240 | 55 | | 13,5 | 419 | 280 | 2400 | 3000 |
| 32420 | NU 420 | 100 | 250 | 58 | | 14 | 429 | 320 | 2400 | 3000 |
| 32421 | NU 421 | 105 | 260 | 60 | | 19 | 501 | 354 | 2200 | 2800 |
| 32422 | NU 422 | 110 | 280 | 65 | | 20 | 523 | 390 | 2200 | 2800 |
| 32424 | NU 424 | 120 | 310 | 72 | | 28 | 644 | 490 | 1900 | 2400 |
| 32426 | NU 426 | 130 | 340 | 78 | | 36,1 | 745 | 603 | 1800 | 2200 |
| 32428 | NU 428 | 140 | 360 | 82 | | 46,8 | 805 | 655 | 1800 | 2200 |
| 32430 | NU 430 | 150 | 380 | 85 | | 53,3 | 930 | 1120 | 1500 | 2000 |
| 32432 | NU 432 | 160 | 400 | 88 | | 60,8 | - | - | - | - |
| 32434 | NU 434 | 170 | 420 | 92 | | 69,7 | - | - | - | - |
| 32436 | NU 436 | 180 | 440 | 95 | | 79 | 1250 | 1600 | 1200 | 1600 |
| 32438 | NU 438 | 190 | 460 | 98 | | 87,9 | - | - | - | - |
| 32440 | NU 440 | 200 | 480 | 102 | | 98,8 | - | - | - | - |
| 32444 | NU 444 | 220 | 540 | 115 | | 143 | - | - | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

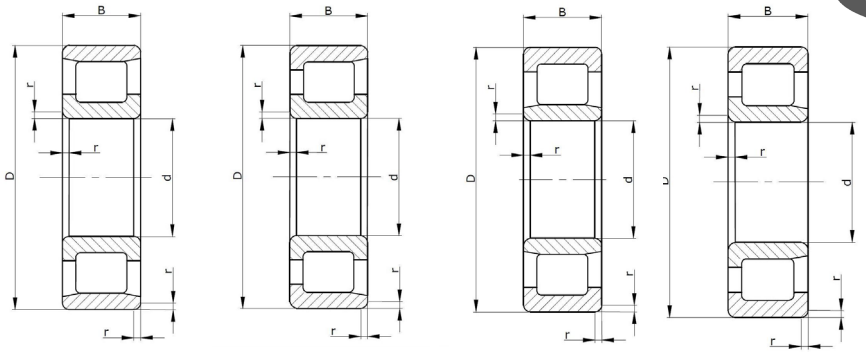
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 32448 | NU 448 | 240 | 580 | 122 | | 174 | - | - | - | - |
| | | | | | | | | | | |
| 32503 | NU 2203 | 17 | 40 | 16 | | 0,089 | 15,4 | 8,15 | 15000 | 18000 |
| 32504 | NU 2204 | 20 | 47 | 18 | | 0,14 | 20,1 | 10,8 | 13000 | 18000 |
| 32505 | NU 2205 | 25 | 52 | 18 | | 0,16 | 22,9 | 12,9 | 12000 | 15000 |
| 32506 | NU 2206 | 30 | 62 | 20 | | 0,26 | 31,9 | 19 | 9500 | 12000 |
| 32507 | NU 2207 | 35 | 72 | 23 | | 0,4 | 47,3 | 29 | 8500 | 10000 |
| 32508 | NU 2208 | 40 | 80 | 23 | | 0,49 | 56,1 | 35 | 7500 | 9000 |
| 32509 | NU 2209 | 45 | 85 | 23 | | 0,54 | 59,4 | 38 | 7000 | 8500 |
| 32510 | NU 2210 | 50 | 90 | 23 | | 0,58 | 62,7 | 40,5 | 6700 | 8000 |
| 32511 | NU 2211 | 55 | 100 | 25 | | 0,78 | 73,7 | 48 | 6000 | 7000 |
| 32512 | NU 2212 | 60 | 110 | 28 | | 1,05 | 93,5 | 68 | 5300 | 6300 |
| 32513 | NU 2213 | 65 | 120 | 31 | | 1,45 | 110 | 76,5 | 4800 | 5600 |
| 32514 | NU 2214 | 70 | 125 | 31 | | 1,5 | 117 | 81,5 | 4500 | 5300 |
| 32515 | NU 2215 | 75 | 130 | 31 | | 1,55 | 125 | 88 | 4500 | 5300 |
| 32516 | NU 2216 | 80 | 140 | 33 | | 1,95 | 147 | 115 | 4000 | 4800 |
| 32517 | NU 2217 | 85 | 150 | 36 | | 2,5 | 168 | 122 | 3800 | 4500 |
| 32518 | NU 2218 | 90 | 160 | 40 | | 3,1 | 194 | 150 | 3600 | 4300 |
| 32519 | NU 2219 | 95 | 170 | 43 | | 3,85 | 229 | 170 | 3200 | 3800 |
| 32520 | NU 2220 | 100 | 180 | 46 | | 4,65 | 260 | 193 | 3200 | 3800 |
| 32522 | NU 2222 | 110 | 200 | 53 | | 6,96 | 319 | 240 | 2800 | 3400 |
| 32524 | NU 2224 | 120 | 215 | 58 | | 8,55 | 369 | 280 | 2600 | 3200 |
| 32526 | NU 2226 | 130 | 230 | 64 | | 10,5 | 528 | 425 | 2400 | 3000 |
| 32528 | NU 2228 | 140 | 250 | 68 | | 13,5 | 572 | 475 | 2200 | 2800 |
| 32530 | NU 2230 | 150 | 270 | 73 | | 17 | 627 | 530 | 2000 | 2600 |
| 32532 | NU 2232 | 160 | 290 | 80 | | 24 | 809 | 695 | 1900 | 2400 |
| 32534 | NU 2234 | 170 | 310 | 86 | | 30 | 968 | 830 | 1700 | 2000 |
| 32536 | NU 2236 | 180 | 320 | 86 | | 31,5 | 915 | 865 | 1700 | 2000 |
| 32538 | NU 2238 | 190 | 340 | 92 | | 39 | 1100 | 965 | 1600 | 1900 |
| 32540 | NU 2240 | 200 | 360 | 98 | | 47,5 | 1230 | 1100 | 1500 | 1800 |
| 32544 | NU 2244 | 220 | 400 | 108 | | 61,5 | 1140 | 1020 | 1400 | 1700 |
| 32548 | NU 2248 | 240 | 440 | 120 | | 84 | 1450 | 1320 | 1300 | 1600 |
| 32552 | NU 2252 | 260 | 480 | 130 | | 110 | 1790 | 1660 | 1100 | 1400 |
| 32556 | NU 2256 | 280 | 500 | 130 | | 115 | 1790 | 1470 | 1100 | 1400 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

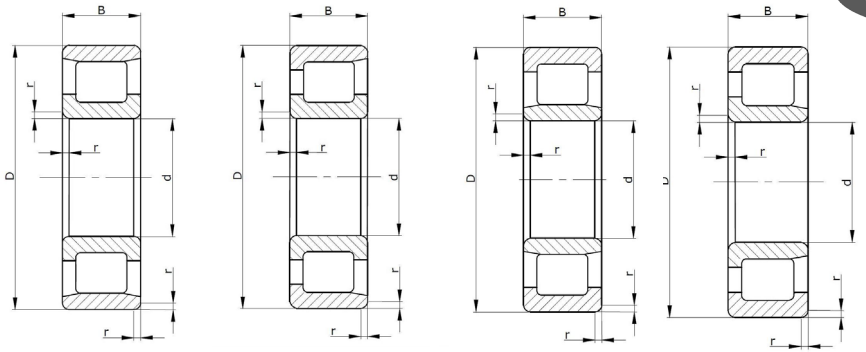
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 32560 | NU 2260 | 300 | 540 | 140 | | 145 | 2090 | 1960 | 1000 | 1300 |
| 32564 | NU 2264 | 320 | 580 | 150 | | 180 | 2380 | 2240 | 900 | 1100 |
| 32568 | NU 2268 | 340 | 620 | 165 | | 225 | 2640 | 2500 | 850 | 1000 |
| 32572 | NU 2272 | 360 | 650 | 170 | | 260 | 2920 | 2750 | 800 | 950 |
| 32576 | NU 2276 | 380 | 680 | 175 | | 285 | 3140 | 3100 | 750 | 900 |
| | | | | | | | | | | |
| 32604 | NU 2304 | 20 | 52 | 21 | | 0,21 | 29,7 | 16,6 | 11000 | 14000 |
| 32605 | NU 2305 | 25 | 62 | 24 | | 0,34 | 41,8 | 24,5 | 9500 | 12000 |
| 32606 | NU 2306 | 30 | 72 | 27 | | 0,5 | 50,1 | 29 | 8500 | 10000 |
| 32607 | NU 2307 | 35 | 80 | 31 | | 0,7 | 58,3 | 38 | 7500 | 9000 |
| 32608 | NU 2308 | 40 | 90 | 33 | | 0,96 | 80,9 | 51 | 6300 | 7500 |
| 32609 | NU 2309 | 45 | 100 | 36 | | 1,25 | 96,8 | 67 | 5600 | 6700 |
| 32610 | NU 2310 | 50 | 110 | 40 | | 1,7 | 121 | 80 | 5300 | 6300 |
| 32611 | NU 2311 | 55 | 120 | 43 | | 2,1 | 138 | 98 | 4800 | 5600 |
| 32612 | NU 2312 | 60 | 130 | 46 | | 2,7 | 168 | 114 | 4300 | 5000 |
| 32613 | NU 2313 | 65 | 140 | 48 | | 3,25 | 190 | 129 | 4000 | 4800 |
| 32614 | NU 2314 | 70 | 150 | 51 | | 3,95 | 212 | 160 | 3800 | 4500 |
| 32615 | NU 2315 | 75 | 160 | 55 | | 4,85 | 260 | 200 | 3400 | 4000 |
| 32616 | NU 2316 | 80 | 170 | 58 | | 5,85 | 275 | 200 | 3200 | 3800 |
| 32617 | NU 2317 | 85 | 180 | 60 | | 6,6 | 297 | 230 | 3000 | 3600 |
| 32618 | NU 2318 | 90 | 190 | 64 | | 7,9 | 330 | 240 | 2800 | 3400 |
| 32619 | NU 2319 | 95 | 200 | 67 | | 10,4 | 374 | 300 | 2800 | 3400 |
| 32620 | NU 2320 | 100 | 215 | 73 | | 12 | 440 | 355 | 2600 | 3200 |
| 32622 | NU 2322 | 110 | 240 | 80 | | 19 | 610 | 540 | 2200 | 2800 |
| 32624 | NU 2324 | 120 | 260 | 86 | | 24 | 792 | 630 | 2000 | 2600 |
| 32626 | NU 2326 | 130 | 280 | 93 | | 30 | 900 | 750 | 1900 | 2400 |
| 32628 | NU 2328 | 140 | 300 | 102 | | 37,5 | 1020 | 870 | 1800 | 2200 |
| 32630 | NU 2330 | 150 | 320 | 108 | | 45 | 1090 | 980 | 1700 | 2000 |
| 32632 | NU 2332 | 160 | 340 | 114 | | 53,5 | 1170 | 1020 | 1600 | 1900 |
| 32634 | NU 2334 | 170 | 360 | 120 | | 62,5 | 1230 | 1100 | 1500 | 1800 |
| 32636 | NU 2336 | 180 | 380 | 126 | | 73 | 1400 | 1200 | 1400 | 1700 |
| 32638 | NU 2338 | 190 | 400 | 132 | | 85 | 1540 | 1320 | 1400 | 1700 |
| 32640 | NU 2340 | 200 | 420 | 138 | | 97 | 1540 | 1320 | 1300 | 1600 |
| 32644 | NU 2344 | 220 | 460 | 145 | | 125 | 1790 | 1560 | 1200 | 1500 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

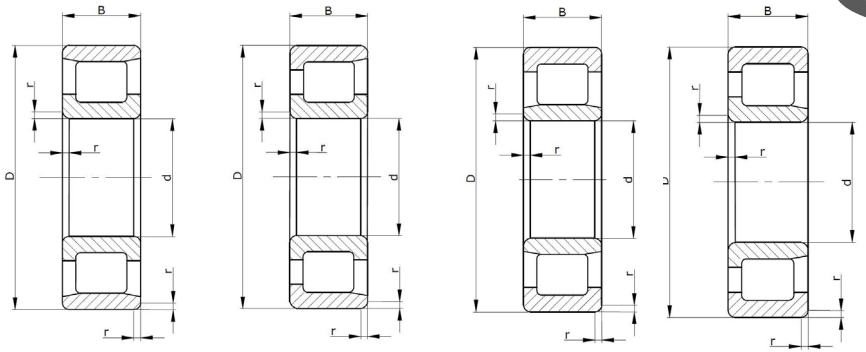
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 32648 | NU 2348 | 240 | 500 | 155 | | 155 | 2010 | 1900 | 1100 | 1400 |
| 32652 | NU 2352 | 260 | 540 | 165 | | 190 | 2320 | 2100 | 1000 | 1300 |
| 32656 | NU 2356 | 280 | 580 | 175 | | 235 | 2700 | 2500 | 900 | 1100 |
| 32660 | NU 2360 | 300 | 620 | 185 | | 279 | 3860 | 3200 | 830 | 1000 |
| | | | | | | | | | | |
| 32719 | - | 95 | 220 | 65 | | 13 | - | - | - | - |
| 32722 | - | 110 | 215 | 73 | | - | - | - | - | - |
| 32724 | - | 120 | 220 | 70 | | - | - | - | - | - |
| 32725 | - | 125 | 200 | 26 | | 3,332 | - | - | - | - |
| 32726 | - | 130 | 250 | 80 | | 15 | 490,5 | 425,8 | 1800 | 2000 |
| 32728 | - | 140 | 260 | 80 | | - | - | - | - | - |
| 32731 | - | 155 | 280 | 90 | | 30,3 | - | - | - | - |
| 32732 | - | 160 | 320 | 108 | | 41,7 | 1090 | 1211 | 1800 | - |
| 32736 | - | 180 | 340 | 92 | | - | - | - | - | - |
| | | | | | | | | | | |
| 32822 | - | 110 | 215 | 76 | | - | - | - | - | - |
| 32824 | - | 120 | 240 | 80 | | - | - | - | - | - |
| 32826 | - | 130 | 260 | 86 | | - | - | - | - | - |
| 32832 | - | 160 | 300 | 84 | | - | - | - | - | - |
| | | | | | | | | | | |
| 1032907 | NU 1907 | 35 | 55 | 10 | | - | - | - | - | - |
| 1032908 | NU 1908 | 40 | 62 | 12 | | - | - | - | - | - |
| 1032909 | NU 1909 | 45 | 68 | 12 | | - | - | - | - | - |
| 1032910 | NU 1910 | 50 | 72 | 12 | | - | - | - | - | - |
| 1032911 | NU 1911 | 55 | 80 | 13 | | - | - | - | - | - |
| 1032912 | NU 1912 | 60 | 85 | 13 | | 0,25 | 25,3 | 16,5 | - | - |
| 1032913 | NU 1913 | 65 | 90 | 13 | | - | - | - | - | - |
| 1032914 | NU 1914 | 70 | 100 | 16 | | - | - | - | - | - |
| 1032915 | NU 1915 | 75 | 105 | 16 | | - | - | - | - | - |
| 1032916 | NU 1916 | 80 | 110 | 16 | | 0,47 | 24,7 | 24 | - | - |
| 1032917 | NU 1917 | 85 | 120 | 18 | | 0,6 | - | - | - | - |
| 1032918 | NU 1918 | 90 | 125 | 18 | | - | - | - | - | - |
| 1032920 | NU 1920 | 100 | 140 | 20 | | 0,88 | 67,7 | 94,4 | 4500 | 5300 |
| 1032921 | NU 1921 | 105 | 145 | 20 | | 0,951 | 71 | 102 | 4100 | 4900 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

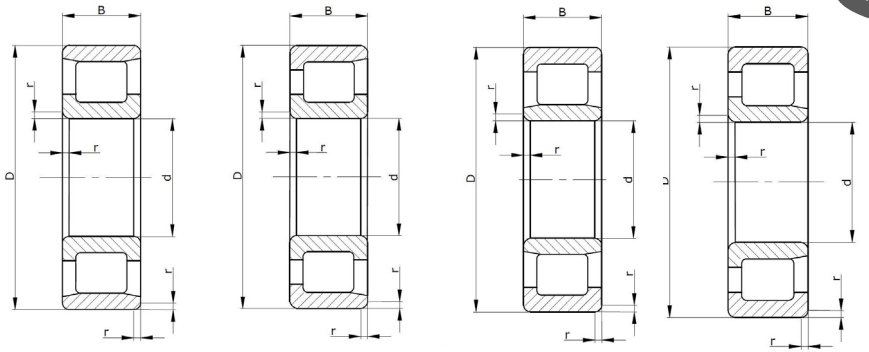
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1032926 | NU 1926 | 130 | 180 | 24 | | 2,05 | 112 | 163 | 3800 | 4500 |
| 1032928 | NU 1928 | 140 | 190 | 24 | | 2,46 | 117 | 177 | 3500 | 4200 |
| 1032930 | NU 1930 | 150 | 210 | 28 | | 2,8 | 130,9 | 119 | 3500 | 4200 |
| 1032932 | NU 1932 | 160 | 220 | 28 | | 3,08 | 149 | 228 | 3200 | 3800 |
| 1032934 | NU 1934 | 170 | 230 | 28 | | 3,64 | 193 | 310 | 2400 | 2900 |
| 1032936 | NU 1936 | 180 | 250 | 33 | | 4,92 | 219 | 355 | 2800 | 3800 |
| 1032938 | NU 1938 | 190 | 260 | 33 | | 5,5 | 251 | 400 | 2750 | 3800 |
| 1032940 | NU 1940 | 200 | 280 | 38 | | 7,22 | 268 | 425 | 2600 | 3800 |
| 1032944 | NU 1944 | 220 | 300 | 38 | | 7,88 | 295 | 495 | 2400 | 3200 |
| 1032948 | NU 1948 | 240 | 320 | 38 | | 8,37 | 315 | 550 | 2200 | 2800 |
| 1032952 | NU 1952 | 260 | 360 | 46 | | 13,9 | 410 | 686 | 1900 | 2300 |
| 1032956 | NU 1956 | 280 | 380 | 46 | | 16 | 407 | 689 | 2000 | 2600 |
| 1032960 | NU 1960 | 300 | 420 | 56 | | 24,4 | 555 | 975 | 1800 | 2300 |
| 1032964 | NU 1964 | 320 | 440 | 56 | | 25,7 | 580 | 1050 | 1100 | 1400 |
| 1032968 | NU 1968 | 340 | 460 | 56 | | 27,1 | 600 | 1120 | 1050 | 1350 |
| 1032972 | NU 1972 | 360 | 480 | 56 | | 28,8 | 605 | 1160 | - | - |
| 1032976 | NU 1976 | 380 | 520 | 65 | | 41,2 | 775 | 1470 | - | - |
| 1032980 | NU 1980 | 400 | 540 | 65 | | 43 | 785 | 1520 | 900 | 1150 |
| 1032984 | NU 1984 | 420 | 560 | 65 | | 45 | 830 | 1660 | 930 | 1150 |
| 1032988 | NU 1988 | 440 | 600 | 74 | | 63,2 | 1010 | 1980 | 900 | 1100 |
| 1032992 | NU 1992 | 460 | 620 | 74 | | 65 | 1170 | 2260 | 900 | 1100 |
| 1032996 | NU 1996 | 480 | 650 | 78 | | 75 | 1200 | 2390 | 870 | 1000 |
| 10329/500 | NU 19/500 | 500 | 670 | 78 | | 80,4 | 1140 | 2240 | 850 | 1000 |
| 10329/530 | NU 19/530 | 530 | 710 | 82 | | 92 | 1460 | 2910 | 800 | 950 |
| 10329/560 | NU 19/560 | 560 | 750 | 85 | | 106 | 1510 | 3100 | 750 | 900 |
| 10329/630 | NU 19/630 | 630 | 850 | 100 | | 169 | 1830 | 3750 | 700 | 850 |
| 10329/670 | NU 19/670 | 670 | 900 | 103 | | 181 | 1870 | 3800 | 630 | 800 |
| 10329/710 | NU 19/710 | 710 | 950 | 106 | | 219 | 2080 | 4400 | 600 | 700 |
| 10329/800 | NU 19/800 | 800 | 1060 | 115 | | 287 | 2450 | 5400 | 530 | 630 |
| 10329/850 | NU 19/850 | 850 | 1120 | 118 | | 320 | 2780 | 6350 | 500 | 650 |
| 10329/900 | NU 19/900 | 900 | 1180 | 122 | | 380 | 4130 | 8800 | 430 | 560 |
| 10329/1250 | NU 19/1250 | 1250 | 1630 | 170 | | 952 | 6300 | 15400 | - | - |
| 10329/1320 | NU 19/1320 | 1320 | 1720 | 175 | | 1100 | 7920 | 19500 | 190 | 240 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
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**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

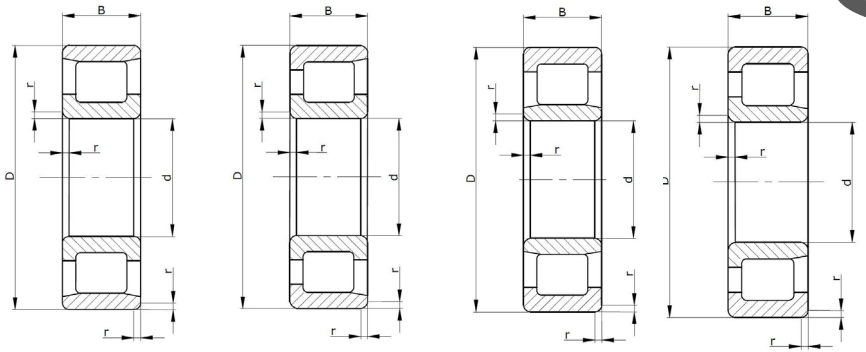
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | NU 2026 | 130 | 200 | 33 | | 4,6 | 297 | 440 | 3200 | 4800 |
| - | NU 2032 | 160 | 240 | 48 | | 7,9 | 418 | 670 | 2600 | 4000 |
| - | NU 2026 | 130 | 200 | 42 | | 4,6 | 297 | 440 | 3200 | 4800 |
| - | NU 2034 | 170 | 260 | 54 | | 11 | 473 | 735 | 2400 | 3600 |
| - | NU 2056 | 280 | 420 | 82 | | 40 | 1230 | 2160 | 1400 | 2200 |
| - | NU 2060 | 300 | 460 | 95 | | 59,5 | 1510 | 2750 | 133 | 2000 |
| - | NU 2064 | 320 | 480 | 95 | | 62,5 | 1450 | 2650 | 1200 | 1900 |
| - | NU 2072 | 360 | 540 | 106 | | 88,5 | 1940 | 3600 | 1100 | 1600 |
| - | NU 2076 | 380 | 560 | 106 | | 92,5 | 1980 | 3750 | 1000 | 1600 |
| - | NU 2080 | 400 | 600 | 118 | | 120 | 2200 | 4750 | 950 | 1400 |
| - | NU 2084 | 420 | 620 | 118 | | 125 | 2460 | 4750 | 900 | 1400 |
| - | NU 2088 | 440 | 650 | 122 | | 145 | 2550 | 4900 | 850 | 1300 |
| - | NU 2096 | 480 | 700 | 128 | | 170 | 2860 | 5600 | 750 | 1200 |
| - | NU 20/500 | 500 | 720 | 128 | | 180 | 2920 | 5850 | 750 | 1100 |
| - | NU 20/530 | 530 | 780 | 145 | | 255 | 3740 | 7350 | 670 | 1000 |
| - | NU 20/560 | 560 | 820 | 150 | | 290 | 3800 | 7650 | 630 | 1000 |
| - | NU 20/600 | 600 | 870 | 155 | | 325 | 4180 | 8000 | 600 | 900 |
| - | NU 20/630 | 630 | 920 | 170 | | 400 | 4730 | 9500 | 560 | 850 |
| - | NU 20/670 | 670 | 980 | 180 | | 480 | 5390 | 1100 | 500 | 800 |
| - | NU 20/710 | 710 | 1030 | 185 | | 540 | 5940 | 12000 | 480 | 700 |
| - | NU 20/750 | 750 | 1090 | 195 | | 635 | 7040 | 14600 | 430 | 670 |
| - | NU 20/800 | 800 | 1150 | 200 | | 715 | 7040 | 14600 | 400 | 630 |
| | | | | | | | | | | |
| 42124 | NJ 1024 | 120 | 180 | 28 | | 2,96 | 134 | 96,5 | 3500 | 4200 |
| 42130 | NJ 1030 | 130 | 225 | 35 | | 5,05 | 194 | 155 | 2800 | 3300 |
| 42132 | NJ 1032 | 160 | 240 | 38 | | 5,96 | 229 | 173 | 2600 | 3000 |
| 42134 | NJ 1034 | 170 | 260 | 42 | | 8,23 | 275 | 212 | 2400 | 2800 |
| 42138 | NJ 1038 | 190 | 290 | 46 | | 10 | 347 | 275 | 2100 | 2500 |
| 42140 | NJ 1040 | 200 | 310 | 51 | | 14,7 | 380 | 310 | 1900 | 2300 |
| 42144 | NJ 1044 | 220 | 340 | 56 | | 18,9 | 495 | 400 | 1700 | 2000 |
| 42148 | NJ 1048 | 240 | 360 | 56 | | 21,1 | 523 | 440 | 1600 | 1900 |
| 42152 | NJ 1052 | 260 | 400 | 65 | | 30,9 | 627 | 530 | 1400 | 1700 |
| 42156 | NJ 1056 | 280 | 420 | 65 | | 32,9 | 660 | 570 | 1300 | 1500 |
| 42172 | NJ 1072 | 360 | 540 | 82 | | 70,1 | 1100 | 1000 | 920 | 1100 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
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**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

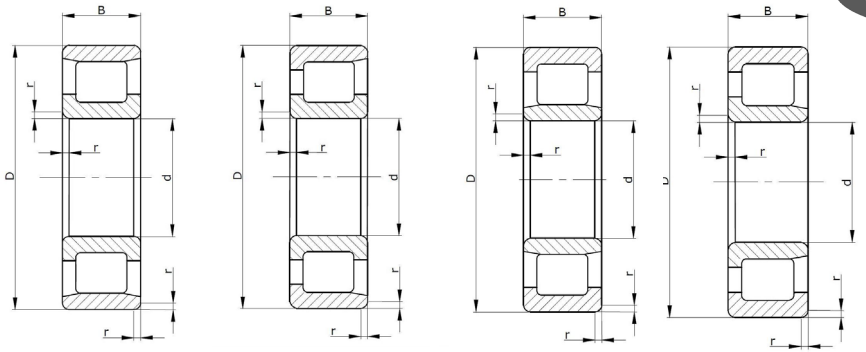
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 42180 | NJ 1080 | 400 | 600 | 90 | | 90,6 | 1380 | 1270 | 780 | 920 |
| 421/500 | NJ 10/500 | 500 | 720 | 100 | | 136 | 1680 | 1660 | 570 | 650 |
| | | | | | | | | | | |
| 42202 | NJ 202 | 15 | 35 | 11 | | 0,047 | 8,97 | 7,5 | 19000 | 24000 |
| 42203 | NJ 203 | 17 | 40 | 12 | | 0,067 | 10,8 | 9 | 17000 | 20000 |
| 42204 | NJ 204 | 20 | 47 | 14 | | 0,11 | 14,7 | 13 | 15000 | 18000 |
| 42205 | NJ 205 | 25 | 52 | 15 | | 0,13 | 16,8 | 15,5 | 12000 | 15000 |
| 42206 | NJ 206 | 30 | 62 | 16 | | 0,2 | 22,4 | 21,5 | 10000 | 13000 |
| 42207 | NJ 207 | 35 | 72 | 17 | | 0,29 | 31,9 | 31,5 | 9000 | 11000 |
| 42208 | NJ 208 | 40 | 80 | 18 | | 0,37 | 41,8 | 43 | 8500 | 10000 |
| 42209 | NJ 209 | 45 | 85 | 19 | | 0,43 | 44 | 46 | 7500 | 9000 |
| 42210 | NJ 210 | 50 | 90 | 20 | | 0,48 | 45,7 | 49,5 | 7000 | 8500 |
| 42211 | NJ 211 | 55 | 100 | 21 | | 0,64 | 56,1 | 61,5 | 6300 | 7500 |
| 42212 | NJ 212 | 60 | 110 | 22 | | 0,82 | 64,4 | 77,5 | 5600 | 6700 |
| 42213 | NJ 213 | 65 | 120 | 23 | | 1,05 | 76,5 | 86 | 5300 | 6300 |
| 42214 | NJ 214 | 70 | 125 | 24 | | 1,15 | 79,2 | 92 | 5000 | 6000 |
| 42215 | NJ 215 | 75 | 130 | 25 | | 1,25 | 91,3 | 114 | 4800 | 5600 |
| 42216 | NJ 216 | 80 | 140 | 26 | | 1,5 | 106 | 123 | 4500 | 5300 |
| 42217 | NJ 217 | 85 | 150 | 28 | | 1,9 | 119 | 141 | 4300 | 5000 |
| 42218 | NJ 218 | 90 | 160 | 30 | | 2,3 | 142 | 190 | 3800 | 4500 |
| 42219 | NJ 219 | 95 | 170 | 32 | | 2,8 | 165 | 202 | 3600 | 4300 |
| 42220 | NJ 220 | 100 | 180 | 34 | | 3,4 | 183 | 226 | 3400 | 4000 |
| 42221 | NJ 221 | 105 | 190 | 36 | | 4 | 201 | 247 | 3200 | 3800 |
| 42222 | NJ 222 | 110 | 200 | 38 | | 4,65 | 229 | 300 | 3000 | 3600 |
| 42224 | NJ 224 | 120 | 215 | 40 | | 5,65 | 260 | 331 | 2800 | 3400 |
| 42226 | NJ 226 | 130 | 230 | 40 | | 6,5 | 270 | 369 | 2600 | 3200 |
| 42228 | NJ 228 | 140 | 250 | 42 | | 8,25 | 308 | 427 | 2400 | 3000 |
| 42230 | NJ 230 | 150 | 270 | 45 | | 10,5 | 358 | 497 | 2000 | 2600 |
| 42232 | NJ 232 | 160 | 290 | 48 | | 15 | 501 | 705 | 1800 | 2200 |
| 42234 | NJ 234 | 170 | 310 | 52 | | 18,5 | 616 | 841 | 1800 | 2200 |
| 42236 | NJ 236 | 180 | 320 | 52 | | 19,5 | 627 | 886 | 1700 | 2000 |
| 42238 | NJ 238 | 190 | 340 | 55 | | 23,5 | 693 | 550 | 1600 | 1900 |
| 42240 | NJ 240 | 200 | 360 | 58 | | 27,5 | 700 | 1000 | 1500 | 1800 |
| 42244 | NJ 244 | 220 | 400 | 65 | | 38,5 | 765 | 1104 | 1500 | 1800 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
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| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
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- massive glassnylon composite cast; ;
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**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

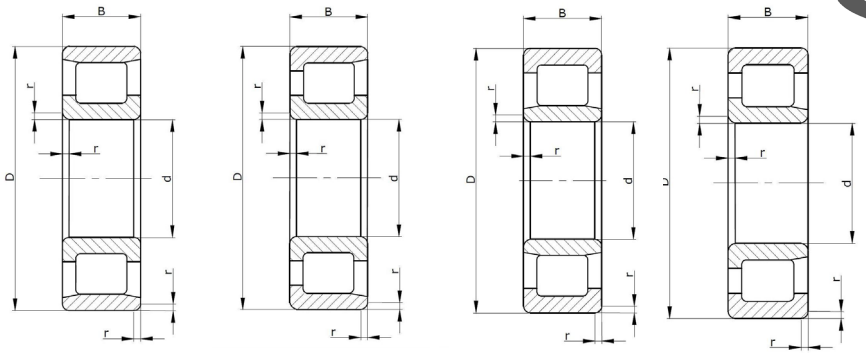
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 42248 | NJ 248 | 240 | 440 | 72 | | 52 | 952 | 1402 | 1300 | 1600 |
| 42252 | NJ 252 | 260 | 480 | 80 | | 68,6 | 1170 | 1800 | 1100 | 1400 |
| 42254 | NJ 256 | 280 | 500 | 80 | | 71,8 | 1120 | 1750 | 1200 | 1500 |
| 42260 | NJ 260 | 300 | 540 | 85 | | 89,7 | 1400 | 2270 | 1100 | 1400 |
| 42264 | NJ 264 | 320 | 580 | 92 | | 113 | 1600 | 2360 | 1000 | 1300 |
| | | | | | | | | | | |
| 3042226 | - | 130 | 230 | 80 | | - | - | - | - | - |
| 3042232 | - | 160 | 290 | 104 | | - | - | - | - | - |
| | | | | | | | | | | |
| 42302 | NJ 302 | 15 | 42 | 13 | | 0,11 | 13,7 | 12,5 | 16000 | 19000 |
| 42303 | NJ 303 | 17 | 47 | 14 | | 0,12 | 15,7 | 7,8 | 13000 | 16000 |
| 42304 | NJ 304 | 20 | 52 | 15 | | 0,15 | 20,5 | 10,4 | 11000 | 14000 |
| 42305 | NJ 305 | 25 | 62 | 17 | | 0,24 | 28,6 | 15 | 9500 | 12000 |
| 42306 | NJ 306 | 30 | 72 | 19 | | 0,36 | 36,9 | 32,5 | 8500 | 10000 |
| 42307 | NJ 307 | 35 | 80 | 21 | | 0,48 | 44,6 | 44 | 8000 | 9500 |
| 42308 | NJ 308 | 40 | 90 | 23 | | 0,66 | 56,1 | 32,5 | 6300 | 7500 |
| 42309 | NJ 309 | 45 | 100 | 25 | | 0,87 | 72,1 | 41,5 | 5600 | 6700 |
| 42310 | NJ 310 | 50 | 110 | 27 | | 1,15 | 88 | 52 | 5300 | 6300 |
| 42311 | NJ 311 | 55 | 120 | 29 | | 1,45 | 102 | 64 | 4800 | 5600 |
| 42312 | NJ 312 | 60 | 130 | 31 | | 1,85 | 123 | 76,5 | 4300 | 5000 |
| 42313 | NJ 313 | 65 | 140 | 33 | | 2,25 | 138 | 85 | 4000 | 4800 |
| 42314 | NJ 314 | 70 | 150 | 35 | | 2,75 | 151 | 102 | 2800 | 4500 |
| 42315 | NJ 315 | 75 | 160 | 37 | | 3,25 | 183 | 125 | 3400 | 4000 |
| 42316 | NJ 316 | 80 | 170 | 39 | | 3,9 | 190 | 125 | 3200 | 3800 |
| 42317 | NJ 317 | 85 | 180 | 41 | | 4,5 | 212 | 146 | 3000 | 3600 |
| 42318 | NJ 318 | 90 | 190 | 43 | | 5,4 | 242 | 160 | 2800 | 3400 |
| 42319 | NJ 319 | 95 | 200 | 45 | | 6,2 | 264 | 190 | 2800 | 3400 |
| 42320 | NJ 320 | 100 | 215 | 47 | | 7,7 | 303 | 220 | 2600 | 3200 |
| 42321 | NJ 321 | 105 | 225 | 49 | | 8,75 | 347 | 236 | 2600 | 3200 |
| 42322 | NJ 322 | 110 | 240 | 50 | | 10,5 | 391 | 290 | 2400 | 3000 |
| 42324 | NJ 324 | 120 | 260 | 55 | | 13 | 457 | 340 | 2200 | 2800 |
| 42326 | NJ 326 | 130 | 280 | 58 | | 16,5 | 539 | 405 | 2000 | 2600 |
| 42328 | NJ 328 | 140 | 300 | 62 | | 20 | 594 | 455 | 1900 | 2400 |
| 42330 | NJ 330 | 150 | 320 | 65 | | 27 | 675 | 500 | 1800 | 2200 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

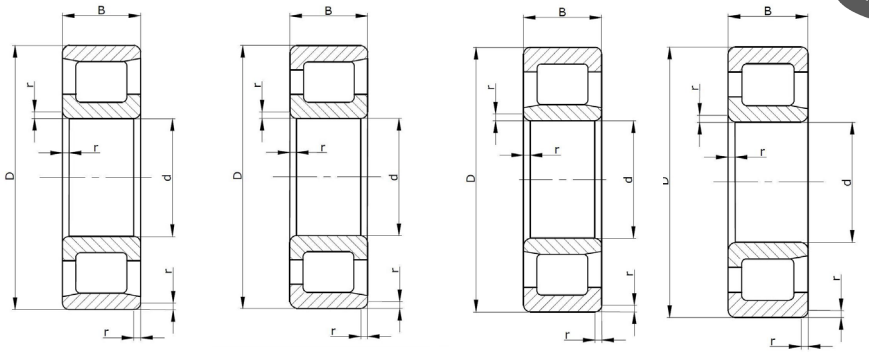
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 42332 | NJ 332 | 160 | 340 | 68 | | 32 | 710 | 550 | 1600 | 1900 |
| 42334 | NJ 334 | 170 | 360 | 72 | | 38,5 | 809 | 610 | 1600 | 1900 |
| 42336 | NJ 336 | 180 | 380 | 75 | | 42,5 | 850 | 695 | 1500 | 1800 |
| 42338 | NJ 338 | 190 | 400 | 78 | | 50 | 990 | 800 | 1400 | 1700 |
| 42340 | NJ 340 | 200 | 420 | 80 | | 56 | 860 | 765 | 1400 | 1700 |
| 42344 | NJ 344 | 220 | 460 | 88 | | 72,5 | 1210 | 950 | 1300 | 1600 |
| 42348 | NJ 348 | 240 | 500 | 95 | | 94,7 | 1400 | 1930 | 1200 | 1500 |
| 42352 | NJ 352 | 260 | 540 | 102 | | 117 | 1600 | 2200 | 1100 | 1400 |
| 42356 | NJ 356 | 280 | 580 | 108 | | 141 | 1800 | 2500 | 1000 | 1300 |
| 42360 | NJ 360 | 300 | 620 | 109 | | 165 | 2080 | 3000 | 900 | 1100 |
| | | | | | | | | | | |
| 42406 | NJ 406 | 30 | 90 | 23 | | 0,75 | 60,5 | 34 | 7000 | 8500 |
| 42407 | NJ 407 | 35 | 100 | 25 | | 1 | 76,5 | 44 | 6300 | 7500 |
| 42408 | NJ 408 | 40 | 110 | 27 | | 1,3 | 96,8 | 57 | 5600 | 6700 |
| 42409 | NJ 409 | 45 | 120 | 29 | | 1,65 | 106 | 69,5 | 5000 | 6000 |
| 42410 | NJ 410 | 50 | 130 | 31 | | 2 | 130 | 86,5 | 4500 | 5300 |
| 42411 | NJ 411 | 55 | 140 | 33 | | 2,5 | 142 | 86,5 | 4300 | 5000 |
| 42412 | NJ 412 | 60 | 150 | 35 | | 3 | 168 | 106 | 4000 | 4800 |
| 42413 | NJ 413 | 65 | 160 | 37 | | 3,6 | 183 | 127 | 3800 | 4500 |
| 42414 | NJ 414 | 70 | 180 | 42 | | 5,25 | 229 | 163 | 3400 | 4000 |
| 42415 | NJ 415 | 75 | 190 | 45 | | 6,25 | 264 | 173 | 3200 | 3800 |
| 42416 | NJ 416 | 80 | 200 | 48 | | 7,3 | 303 | 200 | 3000 | 3600 |
| 42417 | NJ 417 | 85 | 210 | 52 | | 8,7 | 319 | 228 | 2800 | 3400 |
| 42418 | NJ 418 | 90 | 225 | 54 | | 10,5 | 385 | 260 | 2600 | 3200 |
| 42419 | NJ 419 | 95 | 240 | 55 | | 13,5 | 419 | 280 | 2400 | 3000 |
| 42420 | NJ 420 | 100 | 250 | 58 | | 14 | 429 | 320 | 2400 | 3000 |
| 42421 | NJ 421 | 105 | 260 | 60 | | 19 | 501 | 354 | 2200 | 2800 |
| 42422 | NJ 422 | 110 | 280 | 65 | | 20 | 523 | 390 | 2200 | 2800 |
| 42424 | NJ 424 | 120 | 310 | 72 | | 28 | 644 | 490 | 1900 | 2400 |
| 42426 | NJ 426 | 130 | 340 | 78 | | 36,1 | 745 | 603 | 1800 | 2200 |
| 42428 | NJ 428 | 140 | 360 | 82 | | 46,8 | 805 | 655 | 1800 | 2200 |
| 42430 | NJ 430 | 150 | 380 | 85 | | 53,3 | 930 | 1120 | 1500 | 2000 |
| 42432 | NJ 432 | 160 | 400 | 88 | | 60,8 | - | - | - | - |
| 42434 | NJ 434 | 170 | 420 | 92 | | 69,7 | - | - | - | - |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

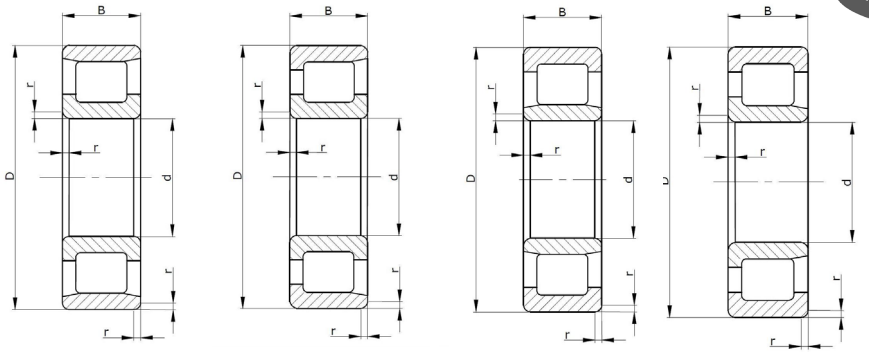
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 42436 | NJ 436 | 180 | 440 | 95 | | 79 | - | - | - | - |
| 42438 | NJ 438 | 190 | 460 | 98 | | 87,9 | - | - | - | - |
| 42440 | NJ 440 | 200 | 480 | 102 | | 98,8 | - | - | - | - |
| 42444 | NJ 444 | 220 | 540 | 115 | | 143 | - | - | - | - |
| 42448 | NJ 448 | 240 | 580 | 122 | | 174 | - | - | - | - |
| | | | | | | | | | | |
| 42503 | NJ 2203 | 17 | 40 | 16 | | 0,089 | 15,4 | 8,15 | 15000 | 18000 |
| 42504 | NJ 2204 | 20 | 47 | 18 | | 0,14 | 20,1 | 10,8 | 13000 | 18000 |
| 42505 | NJ 2205 | 25 | 52 | 18 | | 0,16 | 22,9 | 12,9 | 12000 | 15000 |
| 42506 | NJ 2206 | 30 | 62 | 20 | | 0,26 | 31,9 | 19 | 9500 | 12000 |
| 42507 | NJ 2207 | 35 | 72 | 23 | | 0,4 | 47,3 | 29 | 8500 | 10000 |
| 42508 | NJ 2208 | 40 | 80 | 23 | | 0,49 | 56,1 | 35 | 7500 | 9000 |
| 42509 | NJ 2209 | 45 | 85 | 23 | | 0,54 | 59,4 | 38 | 7000 | 8500 |
| 42510 | NJ 2210 | 50 | 90 | 23 | | 0,58 | 62,7 | 40,5 | 6700 | 8000 |
| 42511 | NJ 2211 | 55 | 100 | 25 | | 0,78 | 73,7 | 48 | 6000 | 7000 |
| 42512 | NJ 2212 | 60 | 110 | 28 | | 1,05 | 93,5 | 68 | 5300 | 6300 |
| 42513 | NJ 2213 | 65 | 120 | 31 | | 1,45 | 110 | 76,5 | 4800 | 5600 |
| 42514 | NJ 2214 | 70 | 125 | 31 | | 1,5 | 117 | 81,5 | 4500 | 5300 |
| 42515 | NJ 2215 | 75 | 130 | 31 | | 1,55 | 125 | 88 | 4500 | 5300 |
| 42516 | NJ 2216 | 80 | 140 | 33 | | 1,95 | 147 | 115 | 4000 | 4800 |
| 42517 | NJ 2217 | 85 | 150 | 36 | | 2,5 | 168 | 122 | 3800 | 4500 |
| 42518 | NJ 2218 | 90 | 160 | 40 | | 3,1 | 194 | 150 | 3600 | 4300 |
| 42519 | NJ 2219 | 95 | 170 | 43 | | 3,85 | 229 | 170 | 3200 | 3800 |
| 42520 | NJ 2220 | 100 | 180 | 46 | | 4,65 | 260 | 193 | 3200 | 3800 |
| 42522 | NJ 2222 | 110 | 200 | 53 | | 6,96 | 319 | 240 | 2800 | 3400 |
| 42524 | NJ 2224 | 120 | 215 | 58 | | 8,55 | 369 | 280 | 2600 | 3200 |
| 42526 | NJ 2226 | 130 | 230 | 64 | | 10,5 | 528 | 425 | 2400 | 3000 |
| 42528 | NJ 2228 | 140 | 250 | 68 | | 13,5 | 572 | 475 | 2200 | 2800 |
| 42530 | NJ 2230 | 150 | 270 | 73 | | 17 | 627 | 530 | 2000 | 2600 |
| 42532 | NJ 2232 | 160 | 290 | 80 | | 24 | 809 | 695 | 1900 | 2400 |
| 42534 | NJ 2234 | 170 | 310 | 86 | | 30 | 968 | 830 | 1700 | 2000 |
| 42536 | NJ 2236 | 180 | 320 | 86 | | 31,5 | 915 | 865 | 1700 | 2000 |
| 42538 | NJ 2238 | 190 | 340 | 92 | | 39 | 1100 | 965 | 1600 | 1900 |
| 42540 | NJ 2240 | 200 | 360 | 98 | | 47,5 | 1230 | 1100 | 1500 | 1800 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

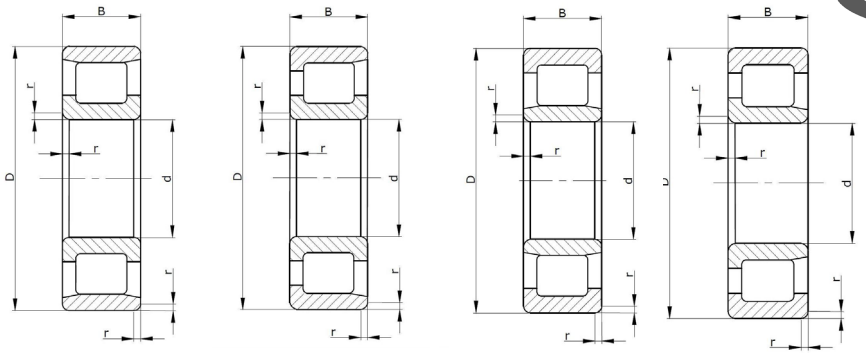
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 42544 | NJ 2244 | 220 | 400 | 108 | | 61,5 | 1140 | 1020 | 1400 | 1700 |
| 42548 | NJ 2248 | 240 | 440 | 120 | | 84 | 1450 | 1320 | 1300 | 1600 |
| 42552 | NJ 2252 | 260 | 480 | 130 | | 110 | 1790 | 1660 | 1100 | 1400 |
| 42556 | NJ 2256 | 280 | 500 | 130 | | 115 | 1790 | 1470 | 1100 | 1400 |
| 42560 | NJ 2260 | 300 | 540 | 140 | | 145 | 2090 | 1960 | 1000 | 1300 |
| 42564 | NJ 2264 | 320 | 580 | 150 | | 180 | 2380 | 2240 | 900 | 1100 |
| 42568 | NJ 2268 | 340 | 620 | 165 | | 225 | 2640 | 2500 | 850 | 1000 |
| 42572 | NJ 2272 | 360 | 650 | 170 | | 260 | 2920 | 2750 | 800 | 950 |
| 42576 | NJ 2276 | 380 | 680 | 175 | | 285 | 3140 | 3100 | 750 | 900 |
| | | | | | | | | | | |
| 42602 | NJ 2302 | 15 | 42 | 17 | | 0,09 | - | - | - | - |
| 42604 | NJ 2304 | 20 | 52 | 21 | | 0,21 | 29,7 | 16,6 | 11000 | 14000 |
| 42605 | NJ 2305 | 25 | 62 | 24 | | 0,34 | 41,8 | 24,5 | 9500 | 12000 |
| 42606 | NJ 2306 | 30 | 72 | 27 | | 0,5 | 50,1 | 29 | 8500 | 10000 |
| 42607 | NJ 2307 | 35 | 80 | 31 | | 0,7 | 58,3 | 38 | 7500 | 9000 |
| 42608 | NJ 2308 | 40 | 90 | 33 | | 0,96 | 80,9 | 51 | 6300 | 7500 |
| 42609 | NJ 2309 | 45 | 100 | 36 | | 1,25 | 96,8 | 67 | 5600 | 6700 |
| 42610 | NJ 2310 | 50 | 110 | 40 | | 1,7 | 121 | 80 | 5300 | 6300 |
| 42611 | NJ 2311 | 55 | 120 | 43 | | 2,1 | 138 | 98 | 4800 | 5600 |
| 42612 | NJ 2312 | 60 | 130 | 46 | | 2,7 | 168 | 114 | 4300 | 5000 |
| 42613 | NJ 2313 | 65 | 140 | 48 | | 3,25 | 190 | 129 | 4000 | 4800 |
| 42614 | NJ 2314 | 70 | 150 | 51 | | 3,95 | 212 | 160 | 3800 | 4500 |
| 42615 | NJ 2315 | 75 | 160 | 55 | | 4,85 | 260 | 200 | 3400 | 4000 |
| 42616 | NJ 2316 | 80 | 170 | 58 | | 5,85 | 275 | 200 | 3200 | 3800 |
| 42617 | NJ 2317 | 85 | 180 | 60 | | 6,6 | 297 | 230 | 3000 | 3600 |
| 42618 | NJ 2318 | 90 | 190 | 64 | | 7,9 | 330 | 240 | 2800 | 3400 |
| 42619 | NJ 2319 | 95 | 200 | 67 | | 10,4 | 374 | 300 | 2800 | 3400 |
| 42620 | NJ 2320 | 100 | 215 | 73 | | 12 | 440 | 355 | 2600 | 3200 |
| 42622 | NJ 2322 | 110 | 240 | 80 | | 19 | 610 | 540 | 2200 | 2800 |
| 42624 | NJ 2324 | 120 | 260 | 86 | | 24 | 792 | 630 | 2000 | 2600 |
| 42626 | NJ 2326 | 130 | 280 | 93 | | 30 | 900 | 750 | 1900 | 2400 |
| 42628 | NJ 2328 | 140 | 300 | 102 | | 37,5 | 1020 | 870 | 1800 | 2200 |
| 42630 | NJ 2330 | 150 | 320 | 108 | | 45 | 1090 | 980 | 1700 | 2000 |
| 42632 | NJ 2332 | 160 | 340 | 114 | | 53,5 | 1170 | 1020 | 1600 | 1900 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS

DESIGN OPTIONS:

| | | |
|---|---|---|
| 2 000 | (N…) | - outer ring without rib |
| 12 000 | (NF…) | - outer ring with single rib |
| 32 000 | (NU…) | - inner ring without rib |
| 42 000 | (NJ…) | - inner ring with single rib |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast; ;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**2 000 (N…)** **12 000 (NF…)** **32 000 (NU…)** **42 000 (NJ…)**

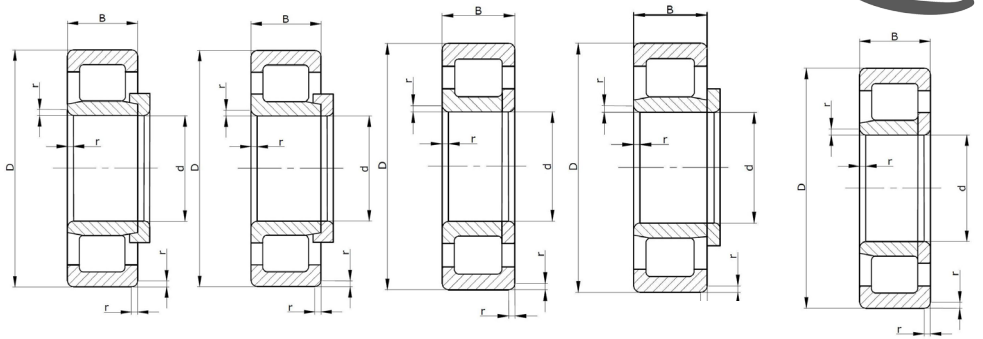
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 42634 | NJ 2334 | 170 | 360 | 120 | | 62,5 | 1230 | 1100 | 1500 | 1800 |
| 42636 | NJ 2336 | 180 | 380 | 126 | | 73 | 1400 | 1200 | 1400 | 1700 |
| 42638 | NJ 2338 | 190 | 400 | 132 | | 85 | 1540 | 1320 | 1400 | 1700 |
| 42640 | NJ 2340 | 200 | 420 | 138 | | 97 | 1540 | 1320 | 1300 | 1600 |
| 42644 | NJ 2344 | 220 | 460 | 145 | | 125 | 1790 | 1560 | 1200 | 1500 |
| 42648 | NJ 2348 | 240 | 500 | 155 | | 155 | 2010 | 1900 | 1100 | 1400 |
| 42652 | NJ 2352 | 260 | 540 | 165 | | 190 | 2320 | 2100 | 1000 | 1300 |
| 42656 | NJ 2356 | 280 | 580 | 175 | | 235 | 2700 | 2500 | 900 | 1100 |
| 42660 | NJ 2360 | 300 | 620 | 185 | | 279 | 3860 | 3200 | 830 | 1000 |
| | | | | | | | | | | |
| 42722 | - | 110 | 215 | 73 | | - | - | - | - | - |
| 42724 | - | 120 | 220 | 70 | | - | - | - | - | - |
| 42726 | BC1B322880 | 130 | 250 | 80 | | 15 | 490,5 | 425,8 | 1800 | 2000 |
| 42728 | - | 140 | 260 | 80 | | 19,9 | 610 | 720 | 2200 | 3000 |
| 42732 | - | 160 | 320 | 108 | | 42,1 | 1090 | 1211 | 1800 | - |
| 42736 | - | 180 | 340 | 92 | | - | - | - | - | - |
| 42822 | - | 110 | 215 | 76 | | 13,3 | 480 | 360 | 2400 | 3000 |
| 42824 | - | 120 | 240 | 80 | | - | - | - | - | - |
| 42826 | - | 130 | 260 | 86 | | - | - | - | - | - |
| 42832 | - | 160 | 300 | 84 | | - | - | - | - | - |
| 42836 | - | 180 | 320 | 100 | | 32,9 | 1100 | 1040 | 1700 | 2200 |
| 42926 | - | 130 | 240 | 80 | | - | - | - | - | - |
| 42927 | - | 136 | 280 | 93 | | 28,7 | 1020 | 840 | 1800 | 2400 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# SINGLE-ROW WITH ADDITIONAL RACES

DESIGN OPTIONS:

| | | |
|---|---|---|
| 52 000 | (NU…+ HJ…) | - inner ring without rib and pressed steel cage |
| 62 000 | (NJ…+HJ…) | - inner ring with single rib and pressed steel cage |
| 92 000 | (NUP…) | - inner ring with single rib and flat thrust ring |
| 152 000 | | - inner ring with single rib and flat spacer ring |
| 232 000 | (NJP…) | - inner ring with single rib and flat thrust ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields




**52 000 (NU…+ HJ…)** **62 000 (NJ…+HJ…)** **92 000 (NUP…)** **152 000** **232 000 (NJP…)**

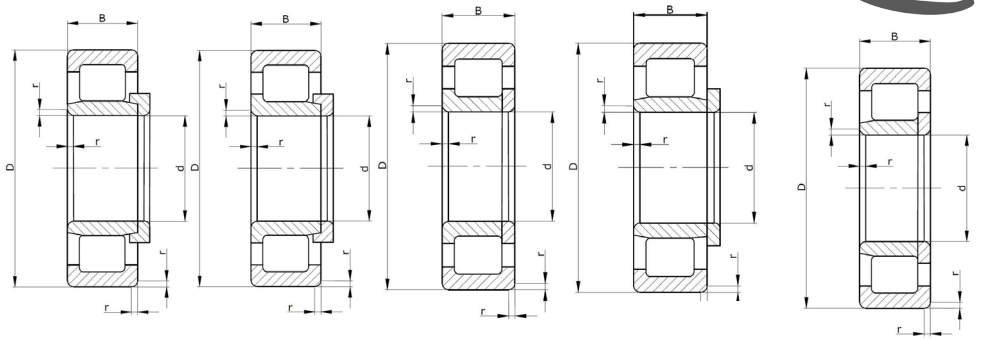
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 52320 | NU320+HJ320 | 100 | 215 | 47 | | 7,95 | 303 | 220 | 2600 | 3200 |
| | | | | | | | | | | |
| 52532 | NU2232+HJ2232 | 160 | 290 | 80 | | 25,55 | 809 | 695 | 1900 | 2400 |
| 52536 | NU2236+HJ2236 | 180 | 320 | 86 | | 33,38 | 915 | 865 | 1700 | 2000 |
| | | | | | | | | | | |
| 52610 | NU2310+HJ2310 | 50 | 110 | 40 | | 1,855 | 121 | 80 | 5300 | 6300 |
| 52611 | NU2311+HJ2311 | 55 | 120 | 43 | | 2,3 | 138 | 98 | 4800 | 5600 |
| 52612 | NU2312+HJ2312 | 60 | 130 | 46 | | 2,937 | 168 | 114 | 4300 | 5000 |
| 52613 | NU2313+HJ2313 | 65 | 140 | 48 | | 3,55 | 190 | 129 | 4000 | 4800 |
| 52614 | NU2314+HJ2314 | 70 | 150 | 51 | | 4,3 | 212 | 160 | 3800 | 4500 |
| 52615 | NU2315+HJ2315 | 75 | 160 | 55 | | 5,28 | 260 | 200 | 3400 | 4000 |
| 52616 | NU2316+HJ2316 | 80 | 170 | 58 | | 6,35 | 275 | 200 | 3200 | 3800 |
| 52617 | NU2317+HJ2317 | 85 | 180 | 60 | | 7,2 | 297 | 230 | 3000 | 3600 |
| 52618 | NU2318+HJ2318 | 90 | 190 | 64 | | 8,56 | 330 | 240 | 2800 | 3400 |
| 52619 | NU2319+HJ2319 | 95 | 200 | 67 | | 11,2 | 374 | 300 | 2800 | 3400 |
| 52620 | NU2320+HJ2320 | 100 | 215 | 73 | | 12,92 | 440 | 355 | 2600 | 3200 |
| 52622 | NU2322+HJ2322 | 110 | 240 | 80 | | 20,27 | 610 | 540 | 2200 | 2800 |
| 52624 | NU2324+HJ2324 | 120 | 260 | 86 | | 25,46 | 792 | 630 | 2000 | 2600 |
| 52626 | NU2326+HJ2326 | 130 | 280 | 93 | | 31,73 | 900 | 750 | 1900 | 2400 |
| 52628 | NU2328+HJ2328 | 140 | 300 | 102 | | 39,64 | 1020 | 870 | 1800 | 2200 |
| 52630 | NU2330+HJ2330 | 150 | 320 | 108 | | 47,48 | 1090 | 980 | 1700 | 2000 |
| 52632 | NU2332+HJ2332 | 160 | 340 | 114 | | 56,26 | 1170 | 1020 | 1600 | 1900 |
| 52634 | NU2334+HJ2334 | 170 | 360 | 120 | | 66,59 | 1230 | 1100 | 1500 | 1800 |
| 52636 | NU2336+HJ2336 | 180 | 380 | 126 | | 77,87 | 1400 | 1200 | 1400 | 1700 |
| | | | | | | | | | | |
| 52732 | - | 160 | 320 | 108/132 | | 44,6 | 1090 | 1211 | 1800 | - |
| | | | | | | | | | | |
| 52832 | - | 160 | 300 | 84 | | - | - | - | - | - |
| 52836 | - | 180 | 320 | 86 | | - | - | - | - | - |
| | | | | | | | | | | |
| 52936 | - | 180 | 320 | 86 | | - | - | - | - | - |
| | | | | | | | | | | |
| 62208 | NJ 208+ HJ208 | 40 | 80 | 18/23 | | 0,42 | 41,8 | 43 | 8500 | 10000 |
| 62236 | NJ 236+ HJ236 | 180 | 320 | 52 | | 29,1 | 627 | 886 | 1700 | 2000 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# SINGLE-ROW WITH ADDITIONAL RACES

DESIGN OPTIONS:

| | | |
|---|---|---|
| 52 000 | (NU…+ HJ…) | - inner ring without rib and pressed steel cage |
| 62 000 | (NJ…+HJ…) | - inner ring with single rib and pressed steel cage |
| 92 000 | (NUP…) | - inner ring with single rib and flat thrust ring |
| 152 000 | | - inner ring with single rib and flat spacer ring |
| 232 000 | (NJP…) | - inner ring with single rib and flat thrust ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields




**52 000 (NU…+ HJ…)** **62 000 (NJ…+HJ…)** **92 000 (NUP…)** **152 000** **232 000 (NJP…)**

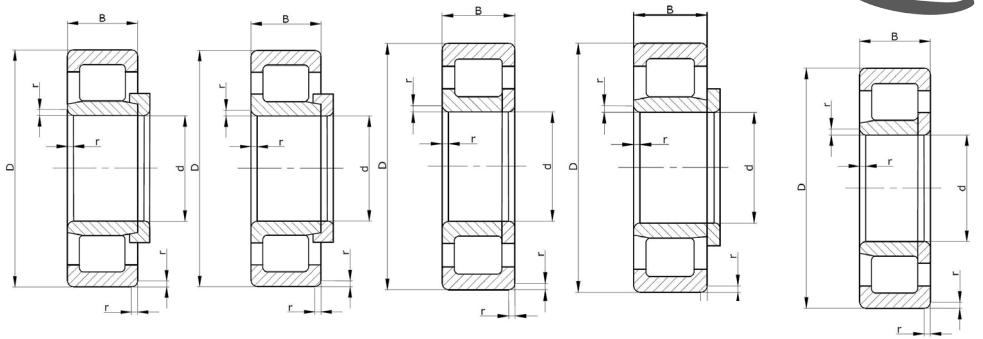
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 62240 | NJ 240+ HJ240 | 200 | 360 | 58 | | 28,2 | 700 | 1000 | 1500 | 1800 |
| | | | | | | | | | | |
| 62304 | NJ304+HJ304 | 20 | 52 | 15 | | 0,167 | 20,5 | 10,4 | 11000 | 14000 |
| 62305 | NJ305+HJ305 | 25 | 62 | 17 | | 0,265 | 28,6 | 15 | 9500 | 12000 |
| 62306 | NJ306+HJ306 | 30 | 72 | 19 | | 0,402 | 36,9 | 32,5 | 8500 | 10000 |
| 62307 | NJ307+HJ307 | 35 | 80 | 21 | | 0,54 | 44,6 | 44 | 8000 | 9500 |
| 62308 | NJ308+HJ308 | 40 | 90 | 23 | | 0,75 | 56,1 | 32,5 | 6300 | 7500 |
| 62309 | NJ309+HJ309 | 45 | 100 | 25 | | 0,989 | 72,1 | 41,5 | 5600 | 6700 |
| 62310 | NJ310+HJ310 | 50 | 110 | 27 | | 1,31 | 88 | 52 | 5300 | 6300 |
| 62311 | NJ311+HJ311 | 55 | 120 | 29 | | 1,64 | 102 | 67 | 4800 | 5600 |
| 62312 | NJ312+HJ312 | 60 | 130 | 31 | | 2,08 | 123 | 76,5 | 4300 | 5000 |
| 62313 | NJ313+HJ313 | 65 | 140 | 33 | | 2,52 | 138 | 85 | 4000 | 4800 |
| 62314 | NJ314+HJ314 | 70 | 150 | 35 | | 3,1 | 151 | 102 | 2800 | 4500 |
| 62315 | NJ315+HJ315 | 75 | 160 | 37 | | 3,66 | 183 | 125 | 3400 | 4000 |
| 62316 | NJ316+HJ316 | 80 | 170 | 39 | | 4,36 | 190 | 125 | 3200 | 3800 |
| 62317 | NJ317+HJ317 | 85 | 180 | 41 | | 5,07 | 212 | 146 | 3000 | 3600 |
| 62318 | NJ318+HJ318 | 90 | 190 | 43 | | 6,03 | 242 | 160 | 2800 | 3400 |
| 62320 | NJ320+HJ320 | 100 | 215 | 47 | | 7,9 | 303 | 220 | 2600 | 3200 |
| 62322 | NJ322+HJ322 | 110 | 240 | 50 | | 11,71 | 391 | 290 | 2400 | 3000 |
| 62324 | NJ324+HJ324 | 120 | 260 | 55 | | 14,41 | 457 | 340 | 2200 | 2800 |
| 62326 | NJ326+HJ326 | 130 | 280 | 58 | | 18,15 | 539 | 405 | 2000 | 2600 |
| 62328 | NJ328+HJ328 | 140 | 300 | 62 | | 22,04 | 594 | 455 | 1900 | 2400 |
| 62330 | NJ330+HJ330 | 150 | 320 | 65 | | 29,35 | 675 | 500 | 1800 | 2200 |
| 62332 | NJ332+HJ332 | 160 | 340 | 68 | | 34,59 | 710 | 550 | 1600 | 1900 |
| 62334 | NJ334+HJ334 | 170 | 360 | 72 | | 41,75 | 809 | 610 | 1600 | 1900 |
| 62336 | NJ336+HJ336 | 180 | 380 | 75 | | 46,35 | 850 | 695 | 1500 | 1800 |
| 62348 | NJ348+HJ348 | 240 | 500 | 95 | | 102,9 | 1400 | 1930 | 1200 | 1500 |
| 62356 | NJ356+HJ356 | 280 | 580 | 108 | | 154,9 | 1800 | 2500 | 1000 | 1300 |
| | | | | | | | | | | |
| 62406 | NJ406+HJ406 | 30 | 90 | 23 | | 0,83 | 60,5 | 34 | 7000 | 8500 |
| 62407 | NJ407+HJ407 | 35 | 100 | 25 | | 1,12 | 76,5 | 44 | 6300 | 7500 |
| 62408 | NJ408+HJ408 | 40 | 110 | 27 | | 1,44 | 96,8 | 57 | 5600 | 6700 |
| 62409 | NJ409+HJ409 | 45 | 120 | 29 | | 1,83 | 106 | 69,5 | 5000 | 6000 |
| 62410 | NJ410+HJ410 | 50 | 130 | 31 | | 2,23 | 130 | 86,5 | 4500 | 5300 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# SINGLE-ROW WITH ADDITIONAL RACES

DESIGN OPTIONS:

| | | |
|---|---|---|
| 52 000 | (NU…+ HJ…) | - inner ring without rib and pressed steel cage |
| 62 000 | (NJ…+HJ…) | - inner ring with single rib and pressed steel cage |
| 92 000 | (NUP…) | - inner ring with single rib and flat thrust ring |
| 152 000 | | - inner ring with single rib and flat spacer ring |
| 232 000 | (NJP…) | - inner ring with single rib and flat thrust ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields




**52 000 (NU…+ HJ…)** **62 000 (NJ…+HJ…)** **92 000 (NUP…)** **152 000** **232 000 (NJP…)**

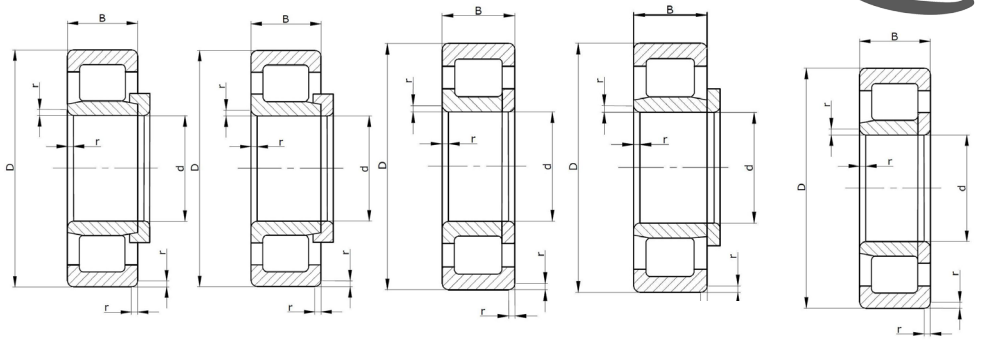
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 62411 | NJ411+HJ411 | 55 | 140 | 33 | | 2,79 | 142 | 86,5 | 4300 | 5000 |
| 62412 | NJ412+HJ412 | 60 | 150 | 35 | | 3,34 | 168 | 106 | 4000 | 4800 |
| 62413 | NJ413+HJ413 | 65 | 160 | 37 | | 4,03 | 183 | 127 | 3800 | 4500 |
| 62414 | NJ414+HJ414 | 70 | 180 | 42 | | 5,855 | 229 | 163 | 3400 | 4000 |
| 62415 | NJ415+HJ415 | 75 | 190 | 45 | | 6,96 | 264 | 173 | 3200 | 3800 |
| 62416 | NJ416+HJ416 | 80 | 200 | 48 | | 7,78 | 303 | 200 | 3000 | 3600 |
| 62417 | NJ417+HJ417 | 85 | 210 | 52 | | 8,7 | 319 | 228 | 2800 | 3400 |
| 62418 | NJ418+HJ418 | 90 | 225 | 54 | | 10,5 | 385 | 260 | 2600 | 3200 |
| 62420 | NJ420+HJ420 | 100 | 250 | 58 | | 14 | 429 | 320 | 2400 | 3000 |
| 62422 | NJ422+HJ422 | 110 | 280 | 65 | | 20 | 523 | 390 | 2200 | 2800 |
| 62424 | NJ424+HJ424 | 120 | 310 | 72 | | 28 | 644 | 490 | 1900 | 2400 |
| 62426 | NJ426+HJ426 | 130 | 340 | 78 | | 36,1 | 745 | 603 | 1800 | 2200 |
| 62428 | NJ428+HJ428 | 140 | 360 | 82 | | 46,8 | 805 | 655 | 1800 | 2200 |
| 62430 | NJ430+HJ430 | 150 | 380 | 85 | | 53,3 | 930 | 1120 | 1500 | 2000 |
| | | | | | | | | | | |
| 62536 | NJ 2236+ HJ2236 | 180 | 320 | 86 | | 33,7 | 915 | 865 | 1700 | 2000 |
| | | | | | | | | | | |
| 62610 | NJ2310+HJ2310 | 50 | 110 | 40 | | 1,855 | 121 | 80 | 5300 | 6300 |
| 62611 | NJ2311+HJ2311 | 55 | 120 | 43 | | 2,3 | 138 | 98 | 4800 | 5600 |
| 62612 | NJ2312+HJ2312 | 60 | 130 | 46 | | 2,937 | 168 | 114 | 4300 | 5000 |
| 62613 | NJ2313+HJ2313 | 65 | 140 | 48 | | 3,55 | 190 | 129 | 4000 | 4800 |
| 62614 | NJ2314+HJ2314 | 70 | 150 | 51 | | 4,3 | 212 | 160 | 3800 | 4500 |
| 62615 | NJ2315+HJ2315 | 75 | 160 | 55 | | 5,28 | 260 | 200 | 3400 | 4000 |
| 62616 | NJ2316+HJ2316 | 80 | 170 | 58 | | 6,35 | 275 | 200 | 3200 | 3800 |
| 62617 | NJ2317+HJ2317 | 85 | 180 | 60 | | 7,2 | 297 | 230 | 3000 | 3600 |
| 62618 | NJ2318+HJ2318 | 90 | 190 | 64 | | 8,56 | 330 | 240 | 2800 | 3400 |
| 62619 | NJ2319+HJ2319 | 95 | 200 | 67 | | 11,2 | 374 | 300 | 2800 | 3400 |
| 62620 | NJ2320+HJ2320 | 100 | 215 | 73 | | 12,92 | 440 | 355 | 2600 | 3200 |
| 62622 | NJ2322+HJ2322 | 110 | 240 | 80 | | 20,27 | 610 | 540 | 2200 | 2800 |
| 62624 | NJ2324+HJ2324 | 120 | 260 | 86 | | 25,46 | 792 | 630 | 2000 | 2600 |
| 62626 | NJ2326+HJ2326 | 130 | 280 | 93 | | 31,73 | 900 | 750 | 1900 | 2400 |
| 62628 | NJ2328+HJ2328 | 140 | 300 | 102 | | 39,64 | 1020 | 870 | 1800 | 2200 |
| 62630 | NJ2330+HJ2330 | 150 | 320 | 108 | | 47,48 | 1090 | 980 | 1700 | 2000 |
| 62632 | NJ2332+HJ2332 | 160 | 340 | 114 | | 56,26 | 1170 | 1020 | 1600 | 1900 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# SINGLE-ROW WITH ADDITIONAL RACES

DESIGN OPTIONS:

| | | |
|---|---|---|
| 52 000 | (NU…+ HJ…) | - inner ring without rib and pressed steel cage |
| 62 000 | (NJ…+HJ…) | - inner ring with single rib and pressed steel cage |
| 92 000 | (NUP…) | - inner ring with single rib and flat thrust ring |
| 152 000 | | - inner ring with single rib and flat spacer ring |
| 232 000 | (NJP…) | - inner ring with single rib and flat thrust ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields




**52 000 (NU…+ HJ…)** **62 000 (NJ…+HJ…)** **92 000 (NUP…)** **152 000** **232 000 (NJP…)**

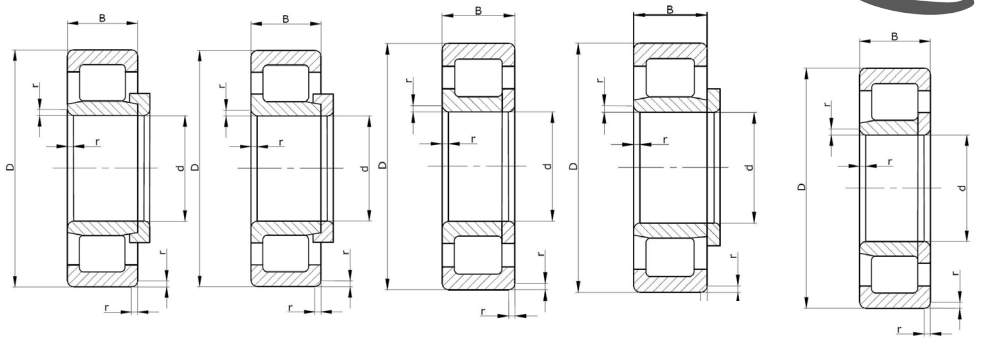
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 62634 | NJ2334+HJ2334 | 170 | 360 | 120 | | 66,59 | 1230 | 1100 | 1500 | 1800 |
| 62636 | NJ2336+HJ2336 | 180 | 380 | 126 | | 77,87 | 1400 | 1200 | 1400 | 1700 |
| 62638 | NJ2338+HJ2338 | 190 | 400 | 132 | | 90,53 | 1540 | 1320 | 1400 | 1700 |
| | | | | | | | | | | |
| 92124 | NUP 1024 | 120 | 180 | 28 | | 2,69 | 134 | 96,5 | 3500 | 4200 |
| 92140 | NUP 1040 | 200 | 310 | 51 | | 15,8 | 380 | 310 | 1900 | 2300 |
| 92152 | NUP 1052 | 260 | 400 | 65 | | 31,7 | 627 | 530 | 1400 | 1700 |
| | | | | | | | | | | |
| 92202 | NUP 202 | 15 | 35 | 11 | | 0,047 | 8,97 | 7,5 | 19000 | 24000 |
| 92203 | NUP 203 | 17 | 40 | 12 | | 0,067 | 10,8 | 9 | 17000 | 20000 |
| 92204 | NUP 204 | 20 | 47 | 14 | | 0,11 | 14,7 | 13 | 15000 | 18000 |
| 92205 | NUP 205 | 25 | 52 | 15 | | 0,13 | 16,8 | 15,5 | 12000 | 15000 |
| 92206 | NUP 206 | 30 | 62 | 16 | | 0,2 | 22,4 | 21,5 | 10000 | 13000 |
| 92207 | NUP 207 | 35 | 72 | 17 | | 0,29 | 31,9 | 31,5 | 9000 | 11000 |
| 92208 | NUP 208 | 40 | 80 | 18 | | 0,37 | 41,8 | 43 | 8500 | 10000 |
| 92209 | NUP 209 | 45 | 85 | 19 | | 0,43 | 44 | 46 | 7500 | 9000 |
| 92210 | NUP 210 | 50 | 90 | 20 | | 0,48 | 45,7 | 49,5 | 7000 | 8500 |
| 92211 | NUP 211 | 55 | 100 | 21 | | 0,64 | 56,1 | 61,5 | 6300 | 7500 |
| 92212 | NUP 212 | 60 | 110 | 22 | | 0,82 | 64,4 | 77,5 | 5600 | 6700 |
| 92213 | NUP 213 | 65 | 120 | 23 | | 1,05 | 76,5 | 86 | 5300 | 6300 |
| 92214 | NUP 214 | 70 | 125 | 24 | | 1,15 | 79,2 | 92 | 5000 | 6000 |
| 92215 | NUP 215 | 75 | 130 | 25 | | 1,25 | 91,3 | 114 | 4800 | 5600 |
| 92216 | NUP 216 | 80 | 140 | 26 | | 1,5 | 106 | 123 | 4500 | 5300 |
| 92217 | NUP 217 | 85 | 150 | 28 | | 1,9 | 119 | 141 | 4300 | 5000 |
| 92218 | NUP 218 | 90 | 160 | 30 | | 2,3 | 142 | 190 | 3800 | 4500 |
| 92219 | NUP 219 | 95 | 170 | 32 | | 2,8 | 165 | 202 | 3600 | 4300 |
| 92220 | NUP 220 | 100 | 180 | 34 | | 3,4 | 183 | 226 | 3400 | 4000 |
| 92221 | NUP 221 | 105 | 190 | 36 | | 4 | 201 | 247 | 3200 | 3800 |
| 92222 | NUP 222 | 110 | 200 | 38 | | 4,65 | 229 | 300 | 3000 | 3600 |
| 92224 | NUP 224 | 120 | 215 | 40 | | 5,65 | 260 | 331 | 2800 | 3400 |
| 92226 | NUP 226 | 130 | 230 | 40 | | 6,5 | 270 | 369 | 2600 | 3200 |
| 92228 | NUP 228 | 140 | 250 | 42 | | 8,25 | 308 | 427 | 2400 | 3000 |
| 92230 | NUP 230 | 150 | 270 | 45 | | 10,5 | 358 | 497 | 2000 | 2600 |
| 92232 | NUP 232 | 160 | 290 | 48 | | 15 | 501 | 705 | 1800 | 2200 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# SINGLE-ROW WITH ADDITIONAL RACES

DESIGN OPTIONS:

| | | |
|---|---|---|
| 52 000 | (NU…+ HJ…) | - inner ring without rib and pressed steel cage |
| 62 000 | (NJ…+HJ…) | - inner ring with single rib and pressed steel cage |
| 92 000 | (NUP…) | - inner ring with single rib and flat thrust ring |
| 152 000 | | - inner ring with single rib and flat spacer ring |
| 232 000 | (NJP…) | - inner ring with single rib and flat thrust ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields




**52 000 (NU…+ HJ…)** **62 000 (NJ…+HJ…)** **92 000 (NUP…)** **152 000** **232 000 (NJP…)**

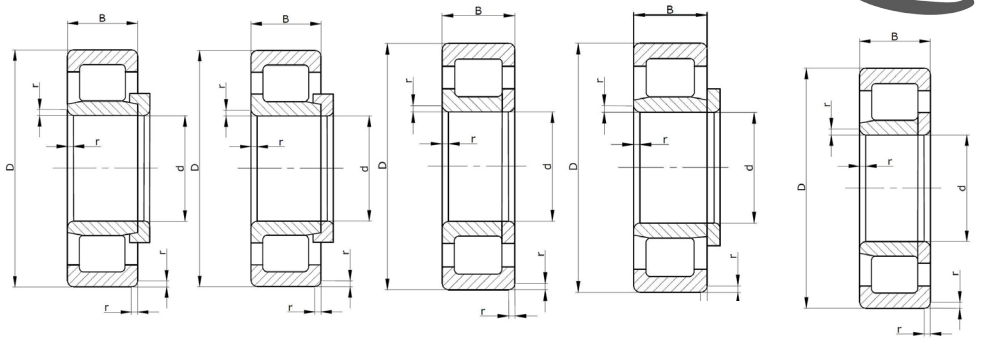
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 92234 | NUP 234 | 170 | 310 | 52 | | 18,5 | 616 | 841 | 1800 | 2200 |
| 92236 | NUP 236 | 180 | 320 | 52 | | 19,5 | 627 | 886 | 1700 | 2000 |
| 92238 | NUP 238 | 190 | 340 | 55 | | 23,5 | 693 | 550 | 1600 | 1900 |
| 92240 | NUP 240 | 200 | 360 | 58 | | 27,5 | 700 | 1000 | 1500 | 1800 |
| 92244 | NUP 244 | 220 | 400 | 65 | | 38,5 | 765 | 1104 | 1500 | 1800 |
| 92248 | NUP 248 | 240 | 440 | 72 | | 52 | 952 | 1402 | 1300 | 1600 |
| 92252 | NUP 252 | 260 | 480 | 80 | | 68,6 | 1170 | 1800 | 1100 | 1400 |
| 92254 | NUP 256 | 280 | 500 | 80 | | 71,8 | 1120 | 1750 | 1200 | 1500 |
| 92260 | NUP 260 | 300 | 540 | 85 | | 89,7 | 1400 | 2270 | 1100 | 1400 |
| 92264 | NUP 264 | 320 | 580 | 92 | | 113 | 1600 | 2360 | 1000 | 1300 |
| | | | | | | | | | | |
| 92302 | NUP 302 | 15 | 42 | 13 | | 0,11 | 13,7 | 12,5 | 16000 | 19000 |
| 92303 | NUP 303 | 17 | 47 | 14 | | 0,12 | 15,7 | 7,8 | 13000 | 16000 |
| 92304 | NUP 304 | 20 | 52 | 15 | | 0,15 | 20,5 | 10,4 | 11000 | 14000 |
| 92305 | NUP 305 | 25 | 62 | 17 | | 0,24 | 28,6 | 15 | 9500 | 12000 |
| 92306 | NUP 306 | 30 | 72 | 19 | | 0,36 | 36,9 | 32,5 | 8500 | 10000 |
| 92307 | NUP 307 | 35 | 80 | 21 | | 0,48 | 44,6 | 44 | 8000 | 9500 |
| 92308 | NUP 308 | 40 | 90 | 23 | | 0,66 | 56,1 | 32,5 | 6300 | 7500 |
| 92309 | NUP 309 | 45 | 100 | 25 | | 0,87 | 72,1 | 41,5 | 5600 | 6700 |
| 92310 | NUP 310 | 50 | 110 | 27 | | 1,15 | 88 | 52 | 5300 | 6300 |
| 92311 | NUP 311 | 55 | 120 | 29 | | 1,45 | 102 | 64 | 4800 | 5600 |
| 92312 | NUP 312 | 60 | 130 | 31 | | 1,85 | 123 | 76,5 | 4300 | 5000 |
| 92313 | NUP 313 | 65 | 140 | 33 | | 2,25 | 138 | 85 | 4000 | 4800 |
| 92314 | NUP 314 | 70 | 150 | 35 | | 2,75 | 151 | 102 | 2800 | 4500 |
| 92315 | NUP 315 | 75 | 160 | 37 | | 3,25 | 183 | 125 | 3400 | 4000 |
| 92316 | NUP 316 | 80 | 170 | 39 | | 3,9 | 190 | 125 | 3200 | 3800 |
| 92317 | NUP 317 | 85 | 180 | 41 | | 4,5 | 212 | 146 | 3000 | 3600 |
| 92318 | NUP 318 | 90 | 190 | 43 | | 5,4 | 242 | 160 | 2800 | 3400 |
| 92319 | NUP 319 | 95 | 200 | 45 | | 6,2 | 264 | 190 | 2800 | 3400 |
| 92320 | NUP 320 | 100 | 215 | 47 | | 7,7 | 303 | 220 | 2600 | 3200 |
| 92321 | NUP 321 | 105 | 225 | 49 | | 8,75 | 347 | 236 | 2600 | 3200 |
| 92322 | NUP 322 | 110 | 240 | 50 | | 10,5 | 391 | 290 | 2400 | 3000 |
| 92324 | NUP 324 | 120 | 260 | 55 | | 13 | 457 | 340 | 2200 | 2800 |
| 92326 | NUP 326 | 130 | 280 | 58 | | 16,5 | 539 | 405 | 2000 | 2600 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# SINGLE-ROW WITH ADDITIONAL RACES

DESIGN OPTIONS:

| | | |
|---|---|---|
| 52 000 | (NU…+ HJ…) | - inner ring without rib and pressed steel cage |
| 62 000 | (NJ…+HJ…) | - inner ring with single rib and pressed steel cage |
| 92 000 | (NUP…) | - inner ring with single rib and flat thrust ring |
| 152 000 | | - inner ring with single rib and flat spacer ring |
| 232 000 | (NJP…) | - inner ring with single rib and flat thrust ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields




**52 000 (NU…+ HJ…)** **62 000 (NJ…+HJ…)** **92 000 (NUP…)** **152 000** **232 000 (NJP…)**

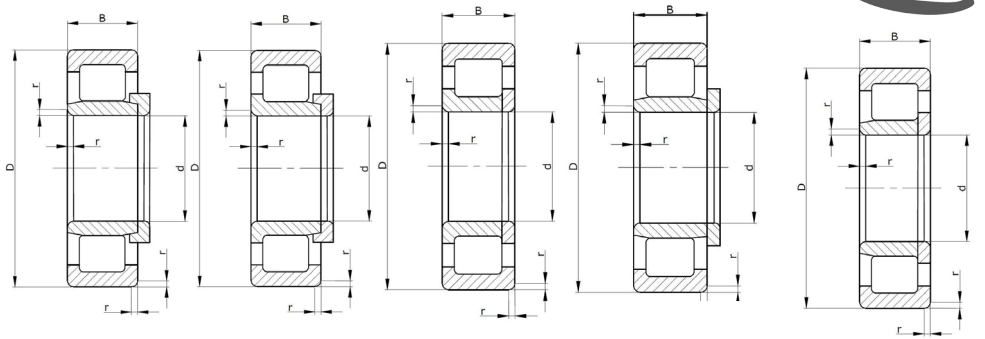
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 92328 | NUP 328 | 140 | 300 | 62 | | 20 | 594 | 455 | 1900 | 2400 |
| 92330 | NUP 330 | 150 | 320 | 65 | | 27 | 675 | 500 | 1800 | 2200 |
| 92332 | NUP 332 | 160 | 340 | 68 | | 32 | 710 | 550 | 1600 | 1900 |
| 92334 | NUP 334 | 170 | 360 | 72 | | 38,5 | 809 | 610 | 1600 | 1900 |
| 92336 | NUP 336 | 180 | 380 | 75 | | 42,5 | 850 | 695 | 1500 | 1800 |
| 92338 | NUP 338 | 190 | 400 | 78 | | 50 | 990 | 800 | 1400 | 1700 |
| 92340 | NUP 340 | 200 | 420 | 80 | | 56 | 860 | 765 | 1400 | 1700 |
| 92344 | NUP 344 | 220 | 460 | 88 | | 72,5 | 1210 | 950 | 1300 | 1600 |
| 92348 | NUP 348 | 240 | 500 | 95 | | 94,7 | 1400 | 1930 | 1200 | 1500 |
| 92352 | NUP 352 | 260 | 540 | 102 | | 117 | 1600 | 2200 | 1100 | 1400 |
| 92356 | NUP 356 | 280 | 580 | 108 | | 141 | 1800 | 2500 | 1000 | 1300 |
| 92360 | NUP 360 | 300 | 620 | 109 | | 165 | 2080 | 3000 | 900 | 1100 |
| | | | | | | | | | | |
| 92406 | NUP 406 | 30 | 90 | 23 | | 0,75 | 60,5 | 34 | 7000 | 8500 |
| 92407 | NUP 407 | 35 | 100 | 25 | | 1 | 76,5 | 44 | 6300 | 7500 |
| 92408 | NUP 408 | 40 | 110 | 27 | | 1,3 | 96,8 | 57 | 5600 | 6700 |
| 92409 | NUP 409 | 45 | 120 | 29 | | 1,65 | 106 | 69,5 | 5000 | 6000 |
| 92410 | NUP 410 | 50 | 130 | 31 | | 2 | 130 | 86,5 | 4500 | 5300 |
| 92411 | NUP 411 | 55 | 140 | 33 | | 2,5 | 142 | 86,5 | 4300 | 5000 |
| 92412 | NUP 412 | 60 | 150 | 35 | | 3 | 168 | 106 | 4000 | 4800 |
| 92413 | NUP 413 | 65 | 160 | 37 | | 3,6 | 183 | 127 | 3800 | 4500 |
| 92414 | NUP 414 | 70 | 180 | 42 | | 5,25 | 229 | 163 | 3400 | 4000 |
| 92415 | NUP 415 | 75 | 190 | 45 | | 6,25 | 264 | 173 | 3200 | 3800 |
| 92416 | NUP 416 | 80 | 200 | 48 | | 7,3 | 303 | 200 | 3000 | 3600 |
| 92417 | NUP 417 | 85 | 210 | 52 | | 8,7 | 319 | 228 | 2800 | 3400 |
| 92418 | NUP 418 | 90 | 225 | 54 | | 10,5 | 385 | 260 | 2600 | 3200 |
| 92419 | NUP 419 | 95 | 240 | 55 | | 13,5 | 419 | 280 | 2400 | 3000 |
| 92420 | NUP 420 | 100 | 250 | 58 | | 14 | 429 | 320 | 2400 | 3000 |
| 92421 | NUP 421 | 105 | 260 | 60 | | 19 | 501 | 354 | 2200 | 2800 |
| 92422 | NUP 422 | 110 | 280 | 65 | | 20 | 523 | 390 | 2200 | 2800 |
| 92424 | NUP 424 | 120 | 310 | 72 | | 28 | 644 | 490 | 1900 | 2400 |
| 92426 | NUP 426 | 130 | 340 | 78 | | 36,1 | 745 | 603 | 1800 | 2200 |
| 92428 | NUP 428 | 140 | 360 | 82 | | 46,8 | 805 | 655 | 1800 | 2200 |
| 92430 | NUP 430 | 150 | 380 | 85 | | 53,3 | 930 | 1120 | 1500 | 2000 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# SINGLE-ROW WITH ADDITIONAL RACES

DESIGN OPTIONS:

| | | |
|---|---|---|
| 52 000 | (NU…+ HJ…) | - inner ring without rib and pressed steel cage |
| 62 000 | (NJ…+HJ…) | - inner ring with single rib and pressed steel cage |
| 92 000 | (NUP…) | - inner ring with single rib and flat thrust ring |
| 152 000 | | - inner ring with single rib and flat spacer ring |
| 232 000 | (NJP…) | - inner ring with single rib and flat thrust ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields



**52 000 (NU…+ HJ…)** **62 000 (NJ…+HJ…)** **92 000 (NUP…)** **152 000** **232 000 (NJP…)**

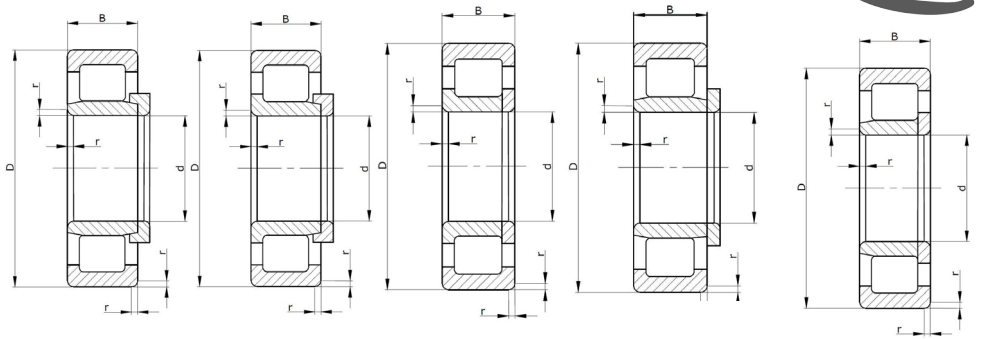
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 92432 | NUP 432 | 160 | 400 | 88 | | 60,8 | - | - | - | - |
| 92434 | NUP 434 | 170 | 420 | 92 | | 69,7 | - | - | - | - |
| 92436 | NUP 436 | 180 | 440 | 95 | | 79 | - | - | - | - |
| 92438 | NUP 438 | 190 | 460 | 98 | | 87,9 | - | - | - | - |
| 92440 | NUP 440 | 200 | 480 | 102 | | 98,8 | - | - | - | - |
| 92444 | NUP 444 | 220 | 540 | 115 | | 143 | - | - | - | - |
| 92448 | NUP 448 | 240 | 580 | 122 | | 174 | - | - | - | - |
| | | | | | | | | | | |
| 92503 | NUP 2203 | 17 | 40 | 16 | | 0,089 | 15,4 | 8,15 | 15000 | 18000 |
| 92504 | NUP 2204 | 20 | 47 | 18 | | 0,14 | 20,1 | 10,8 | 13000 | 18000 |
| 92505 | NUP 2205 | 25 | 52 | 18 | | 0,16 | 22,9 | 12,9 | 12000 | 15000 |
| 92506 | NUP 2206 | 30 | 62 | 20 | | 0,26 | 31,9 | 19 | 9500 | 12000 |
| 92507 | NUP 2207 | 35 | 72 | 23 | | 0,4 | 47,3 | 29 | 8500 | 10000 |
| 92508 | NUP 2208 | 40 | 80 | 23 | | 0,49 | 56,1 | 35 | 7500 | 9000 |
| 92509 | NUP 2209 | 45 | 85 | 23 | | 0,54 | 59,4 | 38 | 7000 | 8500 |
| 92510 | NUP 2210 | 50 | 90 | 23 | | 0,58 | 62,7 | 40,5 | 6700 | 8000 |
| 92511 | NUP 2211 | 55 | 100 | 25 | | 0,78 | 73,7 | 48 | 6000 | 7000 |
| 92512 | NUP 2212 | 60 | 110 | 28 | | 1,05 | 93,5 | 68 | 5300 | 6300 |
| 92513 | NUP 2213 | 65 | 120 | 31 | | 1,45 | 110 | 76,5 | 4800 | 5600 |
| 92514 | NUP 2214 | 70 | 125 | 31 | | 1,5 | 117 | 81,5 | 4500 | 5300 |
| 92515 | NUP 2215 | 75 | 130 | 31 | | 1,55 | 125 | 88 | 4500 | 5300 |
| 92516 | NUP 2216 | 80 | 140 | 33 | | 1,95 | 147 | 115 | 4000 | 4800 |
| 92517 | NUP 2217 | 85 | 150 | 36 | | 2,5 | 168 | 122 | 3800 | 4500 |
| 92518 | NUP 2218 | 90 | 160 | 40 | | 3,1 | 194 | 150 | 3600 | 4300 |
| 92519 | NUP 2219 | 95 | 170 | 43 | | 3,85 | 229 | 170 | 3200 | 3800 |
| 92520 | NUP 2220 | 100 | 180 | 46 | | 4,65 | 260 | 193 | 3200 | 3800 |
| 92522 | NUP 2222 | 110 | 200 | 53 | | 6,96 | 319 | 240 | 2800 | 3400 |
| 92524 | NUP 2224 | 120 | 215 | 58 | | 8,55 | 369 | 280 | 2600 | 3200 |
| 92526 | NUP 2226 | 130 | 230 | 64 | | 10,5 | 528 | 425 | 2400 | 3000 |
| 92528 | NUP 2228 | 140 | 250 | 68 | | 13,5 | 572 | 475 | 2200 | 2800 |
| 92530 | NUP 2230 | 150 | 270 | 73 | | 17 | 627 | 530 | 2000 | 2600 |
| 92532 | NUP 2232 | 160 | 290 | 80 | | 24 | 809 | 695 | 1900 | 2400 |
| 92534 | NUP 2234 | 170 | 310 | 86 | | 30 | 968 | 830 | 1700 | 2000 |
| 92536 | NUP 2236 | 180 | 320 | 86 | | 31,5 | 915 | 865 | 1700 | 2000 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# SINGLE-ROW WITH ADDITIONAL RACES

DESIGN OPTIONS:

| | | |
|---|---|---|
| 52 000 | (NU…+ HJ…) | - inner ring without rib and pressed steel cage |
| 62 000 | (NJ…+HJ…) | - inner ring with single rib and pressed steel cage |
| 92 000 | (NUP…) | - inner ring with single rib and flat thrust ring |
| 152 000 | | - inner ring with single rib and flat spacer ring |
| 232 000 | (NJP…) | - inner ring with single rib and flat thrust ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields




**52 000 (NU…+ HJ…)** **62 000 (NJ…+HJ…)** **92 000 (NUP…)** **152 000** **232 000 (NJP…)**

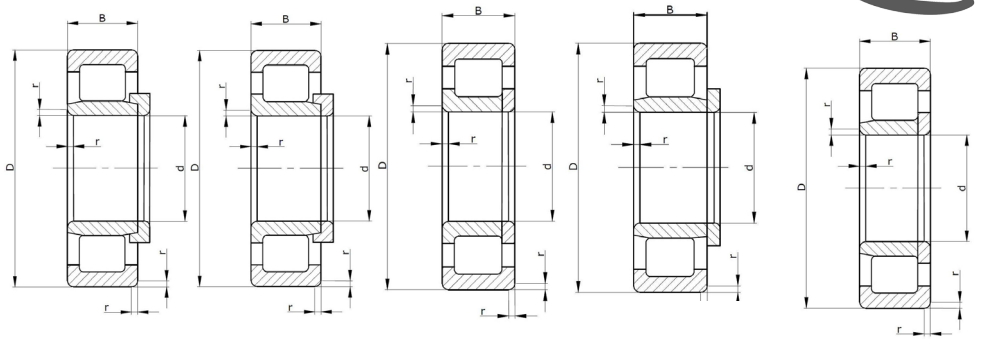
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 92538 | NUP 2238 | 190 | 340 | 92 | | 39 | 1100 | 965 | 1600 | 1900 |
| 92540 | NUP 2240 | 200 | 360 | 98 | | 47,5 | 1230 | 1100 | 1500 | 1800 |
| 92544 | NUP 2244 | 220 | 400 | 108 | | 61,5 | 1140 | 1020 | 1400 | 1700 |
| 92548 | NUP 2248 | 240 | 440 | 120 | | 84 | 1450 | 1320 | 1300 | 1600 |
| 92552 | NUP 2252 | 260 | 480 | 130 | | 110 | 1790 | 1660 | 1100 | 1400 |
| 92556 | NUP 2256 | 280 | 500 | 130 | | 115 | 1790 | 1470 | 1100 | 1400 |
| 92560 | NUP 2260 | 300 | 540 | 140 | | 145 | 2090 | 1960 | 1000 | 1300 |
| 92564 | NUP 2264 | 320 | 580 | 150 | | 180 | 2380 | 2240 | 900 | 1100 |
| 92568 | NUP 2268 | 340 | 620 | 165 | | 225 | 2640 | 2500 | 850 | 1000 |
| 92572 | NUP 2272 | 360 | 650 | 170 | | 260 | 2920 | 2750 | 800 | 950 |
| 92576 | NUP 2276 | 380 | 680 | 175 | | 285 | 3140 | 3100 | 750 | 900 |
| | | | | | | | | | | |
| 92604 | NUP 2304 | 20 | 52 | 21 | | 0,21 | 29,7 | 16,6 | 11000 | 14000 |
| 92605 | NUP 2305 | 25 | 62 | 24 | | 0,34 | 41,8 | 24,5 | 9500 | 12000 |
| 92606 | NUP 2306 | 30 | 72 | 27 | | 0,5 | 50,1 | 29 | 8500 | 10000 |
| 92607 | NUP 2307 | 35 | 80 | 31 | | 0,7 | 58,3 | 38 | 7500 | 9000 |
| 92608 | NUP 2308 | 40 | 90 | 33 | | 0,96 | 80,9 | 51 | 6300 | 7500 |
| 92609 | NUP 2309 | 45 | 100 | 36 | | 1,25 | 96,8 | 67 | 5600 | 6700 |
| 92610 | NUP 2310 | 50 | 110 | 40 | | 1,7 | 121 | 80 | 5300 | 6300 |
| 92611 | NUP 2311 | 55 | 120 | 43 | | 2,1 | 138 | 98 | 4800 | 5600 |
| 92612 | NUP 2312 | 60 | 130 | 46 | | 2,7 | 168 | 114 | 4300 | 5000 |
| 92613 | NUP 2313 | 65 | 140 | 48 | | 3,25 | 190 | 129 | 4000 | 4800 |
| 92614 | NUP 2314 | 70 | 150 | 51 | | 3,95 | 212 | 160 | 3800 | 4500 |
| 92615 | NUP 2315 | 75 | 160 | 55 | | 4,85 | 260 | 200 | 3400 | 4000 |
| 92616 | NUP 2316 | 80 | 170 | 58 | | 5,85 | 275 | 200 | 3200 | 3800 |
| 92617 | NUP 2317 | 85 | 180 | 60 | | 6,6 | 297 | 230 | 3000 | 3600 |
| 92618 | NUP 2318 | 90 | 190 | 64 | | 7,9 | 330 | 240 | 2800 | 3400 |
| 92619 | NUP 2319 | 95 | 200 | 67 | | 10,4 | 374 | 300 | 2800 | 3400 |
| 92620 | NUP 2320 | 100 | 215 | 73 | | 12 | 440 | 355 | 2600 | 3200 |
| 92622 | NUP 2322 | 110 | 240 | 80 | | 19 | 610 | 540 | 2200 | 2800 |
| 92624 | NUP 2324 | 120 | 260 | 86 | | 24 | 792 | 630 | 2000 | 2600 |
| 92626 | NUP 2326 | 130 | 280 | 93 | | 30 | 900 | 750 | 1900 | 2400 |
| 92628 | NUP 2328 | 140 | 300 | 102 | | 37,5 | 1020 | 870 | 1800 | 2200 |
| 92630 | NUP 2330 | 150 | 320 | 108 | | 45 | 1090 | 980 | 1700 | 2000 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# SINGLE-ROW WITH ADDITIONAL RACES

DESIGN OPTIONS:

| | | |
|---|---|---|
| 52 000 | (NU…+ HJ…) | - inner ring without rib and pressed steel cage |
| 62 000 | (NJ…+HJ…) | - inner ring with single rib and pressed steel cage |
| 92 000 | (NUP…) | - inner ring with single rib and flat thrust ring |
| 152 000 | | - inner ring with single rib and flat spacer ring |
| 232 000 | (NJP…) | - inner ring with single rib and flat thrust ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields




**52 000 (NU…+ HJ…)** **62 000 (NJ…+HJ…)** **92 000 (NUP…)** **152 000** **232 000 (NJP…)**

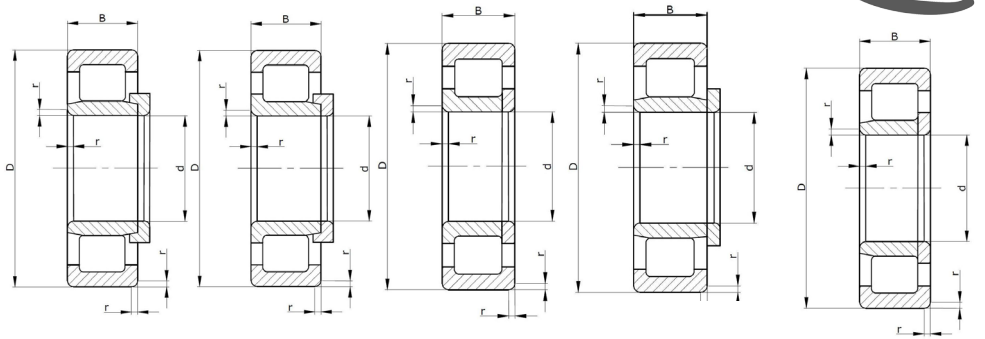
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 92632 | NUP 2332 | 160 | 340 | 114 | | 53,5 | 1170 | 1020 | 1600 | 1900 |
| 92634 | NUP 2334 | 170 | 360 | 120 | | 62,5 | 1230 | 1100 | 1500 | 1800 |
| 92636 | NUP 2336 | 180 | 380 | 126 | | 73 | 1400 | 1200 | 1400 | 1700 |
| 92638 | NUP 2338 | 190 | 400 | 132 | | 85 | 1540 | 1320 | 1400 | 1700 |
| 92640 | NUP 2340 | 200 | 420 | 138 | | 97 | 1540 | 1320 | 1300 | 1600 |
| 92644 | NUP 2344 | 220 | 460 | 145 | | 125 | 1790 | 1560 | 1200 | 1500 |
| 92648 | NUP 2348 | 240 | 500 | 155 | | 155 | 2010 | 1900 | 1100 | 1400 |
| 92652 | NUP 2352 | 260 | 540 | 165 | | 190 | 2320 | 2100 | 1000 | 1300 |
| 92656 | NUP 2356 | 280 | 580 | 175 | | 235 | 2700 | 2500 | 900 | 1100 |
| 92660 | NUP 2360 | 300 | 620 | 185 | | 279 | 3860 | 3200 | 830 | 1000 |
| | | | | | | | | | | |
| 152832 | - | 160 | 300 | 84 | | - | - | - | - | - |
| 152836 | - | 180 | 320 | 86 | | - | - | - | - | - |
| 152936 | - | 180 | 320 | 86 | | - | - | - | - | - |
| | | | | | | | | | | |
| 232172 | NUP 1072 | 360 | 540 | 82 | | 70,1 | 1100 | 1000 | 920 | 1100 |
| | | | | | | | | | | |
| 232315 | NJP 315 | 75 | 160 | 37 | | 3,94 | 183 | 125 | 3400 | 4000 |
| 232320 | NJP320 | 100 | 215 | 47 | | 7,7 | 303 | 220 | 2600 | 3200 |
| | | | | | | | | | | |
| 232516 | NJP 2216 | 80 | 140 | 33/33,7 | | 2,32 | 147 | 115 | 4000 | 4800 |
| 232532 | NJP 2232 | 160 | 290 | 80/80,7 | | 25 | 809 | 695 | 1900 | 2400 |
| 232536 | NJP 2236 | 180 | 320 | 86 | | 31,5 | 915 | 865 | 1700 | 2000 |
| 232538 | NJP 2238 | 190 | 340 | 92 | | 39 | 1100 | 965 | 1600 | 1900 |
| | | | | | | | | | | |
| 232610 | NJP 2310 | 50 | 110 | 40/40,7 | | 1,7 | 121 | 80 | 5300 | 6300 |
| 232614 | NJP 2314 | 70 | 150 | 51/51,7 | | 4,53 | 212 | 160 | 3800 | 4500 |
| 232616 | NJP 2316 | 80 | 170 | 58 | | 5,85 | 275 | 200 | 3200 | 3800 |
| 232617 | NJP 2317 | 85 | 180 | 60 | | 6,6 | 297 | 230 | 3000 | 3600 |
| 232618 | NJP 2318 | 90 | 190 | 64 | | 7,9 | 330 | 240 | 2800 | 3400 |
| 232620 | NJP 2320 | 100 | 215 | 73 | | 12 | 440 | 355 | 2600 | 3200 |
| 232622 | NJP 2322 | 110 | 240 | 80 | | 19 | 610 | 540 | 2200 | 2800 |
| 232624 | NJP 2324 | 120 | 260 | 86 | | 24 | 792 | 630 | 2000 | 2600 |
| 232626 | NJP 2326 | 130 | 280 | 93 | | 30 | 900 | 750 | 1900 | 2400 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# SINGLE-ROW WITH ADDITIONAL RACES

DESIGN OPTIONS:

| | | |
|---|---|---|
| 52 000 | (NU…+ HJ…) | - inner ring without rib and pressed steel cage |
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| 92 000 | (NUP…) | - inner ring with single rib and flat thrust ring |
| 152 000 | | - inner ring with single rib and flat spacer ring |
| 232 000 | (NJP…) | - inner ring with single rib and flat thrust ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped petal or antennal;
- massive glassnylon composite cast;
- steel compound (riveted) with two separator shields;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields



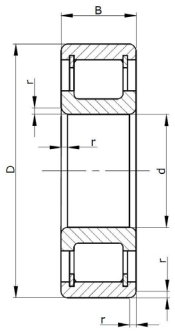

**52 000 (NU…+ HJ…)** **62 000 (NJ…+HJ…)** **92 000 (NUP…)** **152 000** **232 000 (NJP…)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 232628 | NJP 2328 | 140 | 300 | 102 | | 37,5 | 1020 | 870 | 1800 | 2200 |
| 232630 | NJP 2330 | 150 | 320 | 108 | | 45 | 1090 | 980 | 1700 | 2000 |
| 232632 | NJP 2332 | 160 | 340 | 114 | | 53,5 | 1170 | 1020 | 1600 | 1900 |
| 232634 | NJP 2334 | 170 | 360 | 120 | | 62,5 | 1230 | 1100 | 1500 | 1800 |
| | | | | | | | | | | |
| 232722 | - | 110 | 215 | 73 | | - | - | - | - | - |
| 232724 | - | 120 | 220 | 70 | | - | - | - | - | - |
| 232726 | - | 130 | 250 | 80 | | 17 | 584 | 774 | 1800 | - |
| 232728 | - | 140 | 260 | 80 | | 19,9 | 625 | 833 | 1800 | - |
| 232732 | - | 160 | 320 | 108 | | - | - | - | - | - |
| 232736 | - | 180 | 340 | 92 | | - | - | - | - | - |
| | | | | | | | | | | |
| 232822 | - | 110 | 215 | 76 | | - | - | - | - | - |
| 232824 | - | 120 | 240 | 80 | | - | - | - | - | - |
| 232832 | - | 160 | 300 | 84 | | - | - | - | - | - |
| | | | | | | | | | | |
| 232926 | - | 130 | 240 | 80 | | - | - | - | - | - |

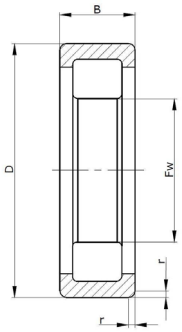
# ROLLER RADIAL BEARINGS WITH SHORT CYLINDRICAL ROLLERS
# SINGLE-ROW NON-STANDARD

DESIGN OPTIONS:

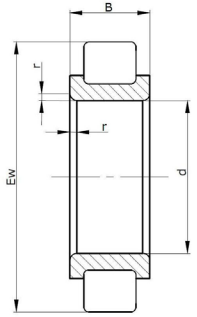
| | | |
|---|---|---|
| 102 000 | (NCL...) | -outer ring without rib but with double snap rings without separator |
| 292 000 | (RNU…) | - without inner ring |
| 502 000 | (RN…) | - without outer ring |




**102 000 (NCL...)**




**292 000 (RNU…)**



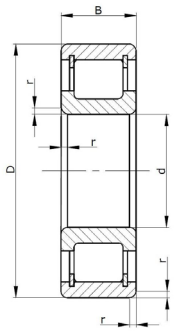

**502 000 (RN…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 102203 | NCL 203 | 17 | 40 | 12 | | - | - | - | - | - |
| 102204 | NCL 204 | 20 | 47 | 14 | | - | - | - | - | - |
| 102205 | NCL 205 | 25 | 52 | 15 | | 0,142 | 25,7 | 32,7 | 3200 | 4000 |
| 102206 | NCL 206 | 30 | 62 | 16 | | 0,226 | 25,99 | 31,2 | 2600 | 3200 |
| 102207 | NCL 207 | 35 | 72 | 17 | | - | - | - | 2400 | 3000 |
| 102208 | NCL 208 | 40 | 80 | 18 | | 0,4 | 48,5 | 63,4 | 2000 | 2600 |
| 102209 | NCL 209 | 45 | 85 | 19 | | 0,492 | 54,5 | 75,3 | 1800 | 2400 |
| 102210 | NCL 210 | 50 | 90 | 20 | | 0,52 | 50,19 | 40,9 | 1600 | 2000 |
| 102211 | NCL 211 | 55 | 100 | 21 | | 0,712 | 57 | 45,766 | 1600 | 2000 |
| 102212 | NCL 212 | 60 | 110 | 22 | | 0,9 | 68,145 | 55,76 | 1300 | 1600 |
| 102213 | NCL 213 | 65 | 120 | 23 | | - | - | - | - | - |
| 102214 | NCL 214 | 70 | 125 | 24 | | - | - | - | - | - |
| 102215 | NCL 215 | 75 | 130 | 25 | | - | - | - | - | - |
| 102216 | NCL 216 | 80 | 140 | 26 | | - | - | - | - | - |
| | | | | | | | | | | |
| 102304 | NCL 304 | 20 | 52 | 15 | | 0,168 | 27,6 | 22 | 3200 | 4000 |
| 102305 | NCL 305 | 25 | 62 | 17 | | 2,59 | 31 | 30 | 2600 | 3200 |
| 102306 | NCL 306 | 30 | 72 | 19 | | 0,396 | 46,1 | 49,1 | 2400 | 3000 |
| 102307 | NCL 307 | 35 | 80 | 21 | | 0,51 | 45,55 | 33,3 | 2000 | 2600 |
| 102308 | NCL 308 | 40 | 90 | 23 | | 0,695 | 72,8 | 84,1 | 1800 | 2400 |
| 102309 | NCL 309 | 45 | 100 | 25 | | 0,929 | 89,1 | 105 | 1600 | 2000 |
| 102310 | NCL 310 | 50 | 110 | 27 | | 1,21 | 99 | 133,2 | 1600 | 2000 |
| 102311 | NCL 311 | 55 | 120 | 29 | | - | - | - | - | - |
| 102312 | NCL 312 | 60 | 130 | 31 | | 2,04 | 135,9 | 185,2 | 1300 | 1600 |
| 102313 | NCL 313 | 65 | 140 | 33 | | 2,352 | 164,7 | 202,2 | 1000 | 1300 |
| 102314 | NCL 314 | 70 | 150 | 35 | | 2,832 | 184,5 | 234,5 | 1000 | 1300 |
| 102315 | NCL 315 | 75 | 160 | 37 | | 3,25 | - | - | 800 | 1100 |
| 102316 | NCL 316 | 80 | 170 | 39 | | 4,7 | 190 | 170,3 | 800 | 1000 |
| 102317 | NCL 317 | 85 | 180 | 41 | | 4,5 | - | - | 600 | 900 |
| 102318 | NCL 318 | 90 | 190 | 43 | | - | - | - | - | - |
| | | | | | | | | | | |
| 102406 | NCL 406 | 30 | 90 | 23 | | - | 60,5 | 34 | - | - |
| 102407 | NCL 407 | 35 | 100 | 25 | | 1,11 | 85,3 | 69,3 | 1600 | 2000 |
| 102408 | NCL 408 | 40 | 110 | 27 | | 1,3 | 96,8 | 57 | 1300 | 1600 |

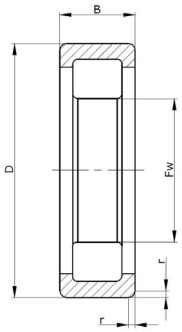
# ROLLER RADIAL BEARINGS WITH SHORT CYLINDRICAL ROLLERS
# SINGLE-ROW NON-STANDARD

DESIGN OPTIONS:

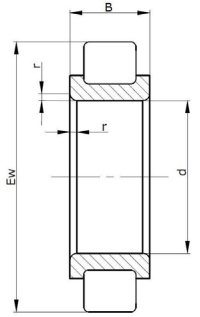
| | | |
|---|---|---|
| 102 000 | (NCL...) | -outer ring without rib but with double snap rings without separator |
| 292 000 | (RNU…) | - without inner ring |
| 502 000 | (RN…) | - without outer ring |




**102 000 (NCL...)**




**292 000 (RNU…)**

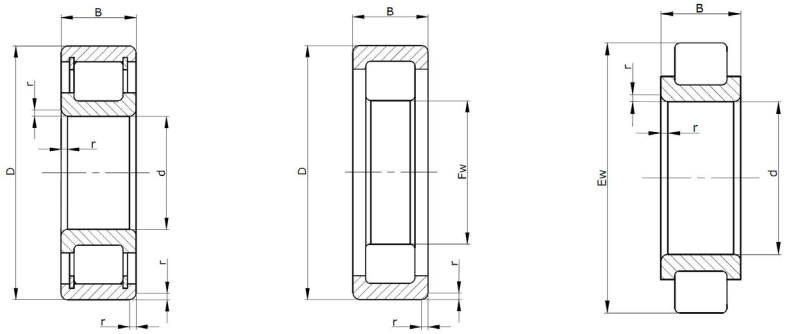



**502 000 (RN…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 102409 | NCL 409 | 45 | 120 | 29 | | 1,77 | 106 | 69,5 | 1300 | 1600 |
| 102410 | NCL 410 | 50 | 130 | 31 | | 2 | 130 | 86,5 | 1000 | 1300 |
| 102411 | NCL 411 | 55 | 140 | 33 | | 2,5 | 142 | 86,5 | - | - |
| 102412 | NCL 412 | 60 | 150 | 35 | | 3 | 168 | 106 | - | - |
| 102413 | NCL 413 | 65 | 160 | 37 | | 3,6 | 183 | 127 | - | - |
| 102414 | NCL 414 | 70 | 180 | 42 | | 5,25 | 229 | 163 | - | - |
| 102415 | NCL 415 | 75 | 190 | 45 | | 6,25 | 264 | 173 | - | - |
| 102416 | NCL 416 | 80 | 200 | 48 | | 7,76 | 303 | 464 | 630 | 800 |
| | | | | | | | | | | |
| 102506 | NCL 2206 | 30 | 62 | 20 | | 0,26 | 49,8 | 33,9 | 2600 | 3200 |
| | | | | | | | | | | |
| 102605 | NCL 2305 | 25 | 62 | 24 | | 0,368 | 61,3 | 40,8 | 2600 | 3200 |
| 102606 | NCL 2306 | 30 | 72 | 27 | | 0,548 | 72,2 | 48,4 | 2000 | 2600 |
| 102609 | NCL 2309 | 45 | 100 | 36 | | 1,35 | 136,7 | 97 | 1300 | 1600 |
| | | | | | | | | | | |
| 102712 | - | 60 | 140 | 51 | | 3,85 | 260 | 220 | 1000 | 1500 |
| | | | | | | | | | | |
| 102805 | - | 25 | 52 | 15/20,5 | | 0,178 | 20 | 12 | 3200 | 4000 |
| | | | | | | | | | | |
| 292106 | RNU 1006 | 36,5 | 55 | 13 | | 0,103 | 17,9 | 7,85 | 13000 | 15000 |
| 292109 | RNU 1009 | 52 | 75 | 16 | | 0,233 | 21,4 | 17,6 | 9200 | 11000 |
| 292110 | RNU 1010 | 57,5 | 80 | 16 | | 0,25 | 30,8 | 17,6 | 8400 | 9900 |
| 292111 | RNU 1011 | 63,5 | 90 | 18 | | 0,2698 | 34,7 | 23,6 | 7600 | 8900 |
| 292114 | RNU 1014 | 80 | 110 | 20 | | 0,535 | 56,1 | 36 | 6100 | 7200 |
| 292116 | RNU 1016 | 91,5 | 125 | 22 | | 0,797 | 66 | 44 | 5300 | 6300 |
| 292121 | RNU 1021 | 119,5 | 160 | 26 | | 1,53 | 101 | 72,5 | 4100 | 4800 |
| 292124 | RNU 1024 | 135 | 180 | 28 | | 1,9 | 134 | 96,5 | 3500 | 4200 |
| 292128 | RNU 1028 | 157 | 210 | 33 | | 2,65 | 172 | 132 | 3000 | 3600 |
| 292130 | RNU 1030 | 168,5 | 225 | 35 | | 3,41 | 194 | 155 | 2800 | 3300 |
| 292132 | RNU 1032 | 180 | 240 | 38 | | 4,738 | 229 | 173 | 2600 | 3000 |
| 292136 | RNU 1036 | 205 | 280 | 46 | | 7,2 | 336 | 265 | 2200 | 2600 |
| 292152 | RNU 1052 | 290 | 400 | 65 | | 23,6 | 627 | 530 | 1400 | 1700 |
| | | | | | | | | | | |
| 292202 | RNU 202 | 20 | 35 | 11 | | 0,0372 | 8,97 | 7,5 | 19000 | 24000 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 102 000 | (NCL...) | -outer ring without rib but with double snap rings without separator |
| 292 000 | (RNU…) | - without inner ring |
| 502 000 | (RN…) | - without outer ring |

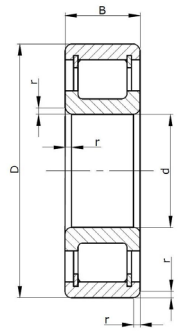



**102 000 (NCL...)** **292 000 (RNU…)** **502 000 (RN…)**

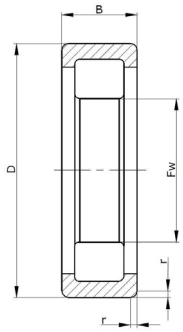
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 292203 | RNU 203 | 22,9 | 40 | 12 | | 0,0558 | 10,8 | 9 | 17000 | 20000 |
| 292204 | RNU 204 | 27 | 47 | 14 | | 0,0856 | 13,4 | 7,35 | 12000 | 16000 |
| 292205 | RNU 205 | 32 | 52 | 15 | | 0,102 | 13,4 | 8,49 | 10000 | 13000 |
| 292206 | RNU 206 | 38,5 | 62 | 16 | | 0,16 | 22,4 | 21,5 | 10000 | 13000 |
| 292207 | RNU 207 | 43,8 | 72 | 17 | | 0,28 | 31,9 | 31,5 | 9000 | 11000 |
| 292208 | RNU 208 | 50 | 80 | 18 | | 0,285 | 41,8 | 43 | 8500 | 10000 |
| 292209 | RNU 209 | 55 | 85 | 19 | | 0,382 | 44 | 46 | 7500 | 9000 |
| 292210 | RNU 210 | 60,4 | 90 | 20 | | 0,239 | 45,7 | 49,5 | 7000 | 8500 |
| 292211 | RNU 211 | 66,5 | 100 | 21 | | 0,506 | 51 | 61,5 | 6300 | 7500 |
| 292212 | RNU 212 | 73,5 | 110 | 22 | | 0,64 | 62 | 77,5 | 5600 | 6700 |
| 292213 | RNU 213 | 79,6 | 120 | 23 | | 0,792 | 76,5 | 86 | 5300 | 6300 |
| 292215 | RNU 215 | 88,5 | 130 | 25 | | 0,972 | 88 | 63 | 4000 | 5000 |
| 292216 | RNU 216 | 95,3 | 140 | 26 | | 1,37 | 106 | 123 | 4500 | 5300 |
| 292218 | RNU 218 | 107 | 160 | 30 | | 1,88 | 142 | 190 | 3800 | 4500 |
| 292222 | RNU 222 | 132,5 | 200 | 38 | | 4,022 | 229 | 300 | 3000 | 3600 |
| 292228 | RNU 228 | 169 | 250 | 42 | | 7,22 | 308 | 427 | 2400 | 3000 |
| | | | | | | | | | | |
| 292305 | RNU 305 | 35 | 62 | 17 | | 0,195 | 28,6 | 15 | 8000 | 9000 |
| 292306 | RNU306 | 42 | 72 | 19 | | 0,2785 | 34 | 20 | 8000 | 10000 |
| 292308 | RNU 308 | 53,5 | 90 | 23 | | 0,533 | 51 | 35 | 6300 | 7500 |
| 292309 | RNU 309 | 58,5 | 100 | 25 | | 0,836 | 72,1 | 41,5 | 5600 | 6700 |
| 292310 | RNU 310 | 65 | 110 | 27 | | 1,03 | 73 | 47 | 4000 | 5000 |
| 292312 | RNU 312 | 77 | 130 | 31 | | 1,1 | 123 | 76,5 | 4300 | 5000 |
| | | | | | | | | | | |
| 292417 | RNU 417 | 113 | 210 | 52 | | 9,9 | 319 | 228 | 2800 | 3400 |
| | | | | | | | | | | |
| 292502 | RNU 2202 | 20 | 35 | 14 | | 0,0547 | 12,7 | 10,4 | 13000 | 16000 |
| 292509 | RNU 2209 | 54,5 | 85 | 23 | | 0,416 | 76,1 | 84,6 | 6700 | 8000 |
| | | | | | | | | | | |
| 292605 | RNU 2305 | 35 | 62 | 24 | | 0,261 | 41,8 | 24,5 | 9500 | 12000 |
| 292607 | RNU 2307 | 46,2 | 80 | 31 | | 0,65 | 58,3 | 38 | 7500 | 9000 |
| 292617 | RNU 2317 | 108 | 180 | 60 | | 6,08 | 297 | 230 | 1600 | 2000 |
| | | | | | | | | | | |
| 502104 | RN 1004 | 20 | 36,5 | 12 | | 0,1446 | 8,8 | 9 | 20000 | 16000 |

DESIGN OPTIONS:

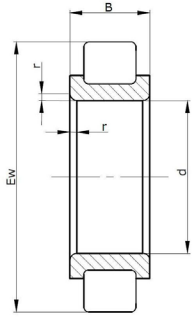
| | | |
|---|---|---|
| 102 000 | (NCL...) | -outer ring without rib but with double snap rings without separator |
| 292 000 | (RNU…) | - without inner ring |
| 502 000 | (RN…) | - without outer ring |




**102 000 (NCL...)**




**292 000 (RNU…)**




**502 000 (RN…)**

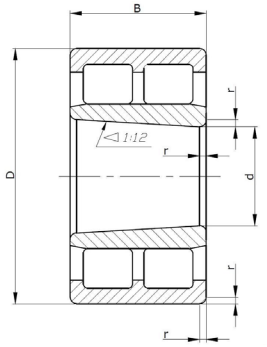
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| 502206 | RN 206 | 30 | 53,5 | 16 | | 0,1446 | 22,4 | 21,5 | 10000 | 13000 |
| 502207 | RN 207 | 35 | 61,8 | 17 | | 0,17 | 31,9 | 31,5 | 9000 | 11000 |
| 502208 | RN 208 | 40 | 70 | 18 | | 0,255 | 41,8 | 43 | 8500 | 10000 |
| 502210 | RN 210 | 50 | 80,4 | 20 | | 0,319 | 44,82 | 35,2 | 4600 | 5280 |
| 502212 | RN 212 | 60 | 97,5 | 22 | | 0,487 | 64 | 77,5 | 5600 | 6700 |
| 502218 | RN 218 | 90 | 143 | 30 | | 1,73 | 142 | 190 | 3800 | 4500 |
| 502220 | RN 220 | 100 | 160 | 34 | | 2,602 | 183 | 226 | 3400 | 4000 |
| | | | | | | | | | | |
| 502302 | RN 302 | 15 | 35 | 15 | | 0,06 | 13,7 | 12,5 | 16000 | 19000 |
| 502308 | RN 308 | 40 | 77,5 | 23 | | 0,36 | 56,1 | 32,5 | 6700 | 7500 |
| 502309 | RN 309 | 45 | 86,5 | 25 | | 0,612 | 72,1 | 41,5 | 5600 | 6700 |
| 502309 | - | 45 | 86,5 | 25 | | 0,612 | 72,1 | 41,5 | - | - |
| 502310 | RN 310 | 50 | 95 | 27 | | 0,64 | 73 | 47 | 5300 | 6300 |
| 502312 | RN 312 | 60 | 113 | 31 | | 1,27 | 123 | 76,5 | 4300 | 5000 |
| | | | | | | | | | | |
| 502409 | RN 409 | 45 | 100,5 | 29 | | 0,814 | 121,3 | 99,8 | 3900 | 4460 |
| | | | | | | | | | | |
| 502905 | - | 25,4 | 61,8 | 22 | | 0,6 | 38,28 | 32,03 | 8000 | 9000 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS DOUBLE - ROW
# WITH THE FLAT-BED INNER RACE

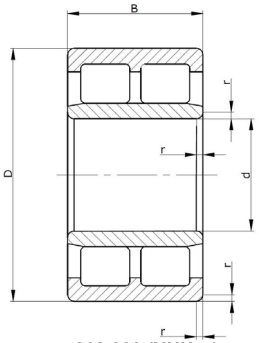
DESIGN OPTIONS:

| | | |
|---|---|---|
| 162 000 | (NNU…K) | - double-row with the conical bore and outer ring with ribs |
| 262 000 | (NNU…) | - double-row with cylindrical bore и and outer ring with ribs |

OPTIONS OF SEPARATOR DESIGN: :
- massive glassnylon composite cast; ;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**162 000 (NNU…K)**




**262 000 (NNU…)**

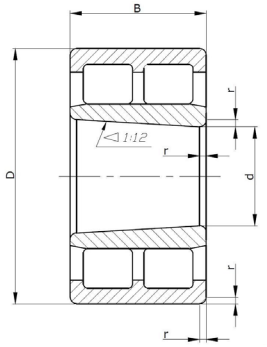
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4162920 | NNU 4920 K | 100 | 140 | 40 | | 1,78 | 129 | 255 | 5300 | 6300 |
| 4162921 | NNU 4921 K | 105 | 145 | 40 | | 2 | 129 | 260 | 5300 | 6300 |
| 4162922 | NNU 4922 K | 110 | 150 | 40 | | 1,93 | 132 | 270 | 5000 | 6000 |
| 4162924 | NNU 4924 K | 120 | 165 | 45 | | 2,57 | 176 | 340 | 4500 | 5300 |
| 4162926 | NNU 4926 K | 130 | 180 | 50 | | 3,48 | 190 | 390 | 4000 | 4800 |
| 4162928 | NNU 4928 K | 140 | 190 | 50 | | 4 | 190 | 400 | 3800 | 4500 |
| 4162930 | NNU 4930 K | 150 | 210 | 60 | | 5,98 | 325 | 655 | 3600 | 4300 |
| 4162932 | NNU 4932 K | 160 | 220 | 60 | | 6,46 | 335 | 680 | 3400 | 4000 |
| 4162934 | NNU 4934 K | 170 | 230 | 60 | | 6,63 | 340 | 695 | 3200 | 3800 |
| 4162936 | NNU 4936 K | 180 | 250 | 69 | | 9,6 | 400 | 850 | 3000 | 3600 |
| 4162938 | NNU 4938 K | 190 | 260 | 69 | | 9,85 | 462 | 880 | 2800 | 3400 |
| 4162940 | NNU 4940 K | 200 | 280 | 80 | | 13,8 | 490 | 1040 | 2600 | 3200 |
| 4162944 | NNU 4944 K | 220 | 300 | 80 | | 15,3 | 530 | 1200 | 1800 | 2200 |
| 4162948 | NNU 4948 K | 240 | 320 | 80 | | 16,8 | 625 | 1470 | 1700 | 2000 |
| 4162952 | NNU 4952 K | 260 | 360 | 100 | | 28,4 | 760 | 2030 | 1400 | 1700 |
| 4162956 | NNU 4956 K | 280 | 380 | 100 | | 30,8 | 870 | 2200 | 1300 | 1600 |
| 4162960 | NNU 4960 K | 300 | 420 | 118 | | 46,7 | 1040 | 2800 | 1200 | 1500 |
| 4162964 | NNU 4964 K | 320 | 440 | 118 | | 50,9 | 1060 | 3040 | 1100 | 1400 |
| 4162968 | NNU 4968 K | 340 | 460 | 118 | | 56 | 1350 | 3400 | 1100 | 1300 |
| 4162972 | NNU 4972 K | 360 | 480 | 118 | | 58,5 | 1390 | 3550 | 1100 | 1300 |
| 4162976 | NNU 4976 K | 380 | 520 | 140 | | 87,5 | 1880 | 4600 | 1000 | 1200 |
| 4162980 | NNU 4980 K | 400 | 540 | 140 | | 91,5 | 1700 | 4500 | 940 | 1100 |
| 4162984 | NNU 4984 K | 420 | 560 | 140 | | 95,5 | 1650 | 4750 | 850 | 1000 |
| 4162988 | NNU 4988 K | 440 | 600 | 160 | | 130 | 1740 | 4950 | 850 | 1000 |
| 4162992 | NNU 4992 K | 460 | 620 | 160 | | 132 | 2000 | 5400 | 800 | 900 |
| 4162996 | NNU 4996 K | 480 | 650 | 170 | | 148 | 2300 | 6150 | 720 | 880 |
| 41629/500 | NNU 49/500 K | 500 | 670 | 170 | | 165 | 2450 | 6800 | 750 | 1000 |
| 41629/530 | NNU 49/530 K | 530 | 710 | 180 | | 200 | 2930 | 7450 | 700 | 950 |
| 41629/560 | NNU 49/560 K | 560 | 750 | 190 | | 235 | 3210 | 8950 | 630 | 750 |
| 41629/600 | NNU 49/600 K | 600 | 800 | 200 | | 280 | 3700 | 11400 | 560 | 670 |
| 41629/630 | NNU 49/630 K | 630 | 850 | 218 | | 355 | 4000 | 10800 | 520 | 650 |
| 41629/670 | NNU 49/670 K | 670 | 900 | 230 | | 410 | 4900 | 12500 | 500 | 600 |
| 41629/710 | NNU 49/710 K | 710 | 950 | 243 | | 480 | 5730 | 15200 | 450 | 530 |
| 41629/750 | NNU 49/750 K | 750 | 1000 | 250 | | 558 | 5400 | 15800 | 420 | 480 |

## ROLLER RADIAL BEARINGS
## WITH SHORT CYLINDRICAL ROLLERS DOUBLE - ROW
## WITH THE FLAT-BED INNER RACE

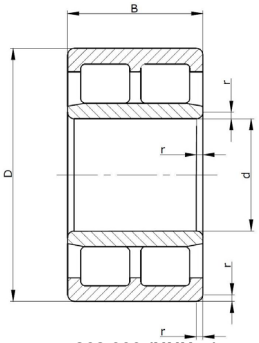
DESIGN OPTIONS:

| | | |
|---|---|---|
| 162 000 | (NNU…K) | - double-row with the conical bore and outer ring with ribs |
| 262 000 | (NNU…) | - double-row with cylindrical bore и and outer ring with ribs |

OPTIONS OF SEPARATOR DESIGN: :
- massive glassnylon composite cast; ;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**162 000 (NNU…K)**




**262 000 (NNU…)**

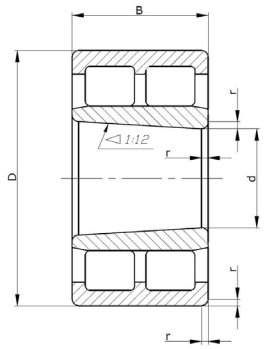
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 41629/800 | NNU 49/800 K | 800 | 1060 | 258 | | 614 | 5800 | 16500 | 360 | 440 |
| | | | | | | | | | | |
| 32621/670 | NNU 30/670 | 670 | 980 | 230 | | 594 | 4980 | 11300 | 500 | 750 |
| | | | | | | | | | | |
| 4262920 | NNU 4920 | 100 | 140 | 40 | | 1,9 | 129 | 255 | 5300 | 6300 |
| 4262921 | NNU 4921 | 105 | 145 | 40 | | 2 | 129 | 260 | 5300 | 6300 |
| 4262922 | NNU 4922 | 110 | 150 | 40 | | 2,05 | 132 | 270 | 5000 | 6000 |
| 4262924 | NNU 4924 | 120 | 165 | 45 | | 2,8 | 176 | 340 | 4500 | 5300 |
| 4262926 | NNU 4926 | 130 | 180 | 50 | | 3,85 | 190 | 390 | 4000 | 4800 |
| 4262928 | NNU 4928 | 140 | 190 | 50 | | 4,1 | 190 | 400 | 3800 | 4500 |
| 4262930 | NNU 4930 | 150 | 210 | 60 | | 6,25 | 325 | 655 | 3600 | 4300 |
| 4262932 | NNU 4932 | 160 | 220 | 60 | | 6,6 | 335 | 680 | 3400 | 4000 |
| 4262934 | NNU 4934 | 170 | 230 | 60 | | 6,95 | 340 | 695 | 3200 | 3800 |
| 4262936 | NNU 4936 | 180 | 250 | 69 | | 10,5 | 400 | 850 | 3000 | 3600 |
| 4262938 | NNU 4938 | 190 | 260 | 69 | | 11 | 462 | 880 | 2800 | 3400 |
| 4262940 | NNU 4940 | 200 | 280 | 80 | | 15 | 490 | 1040 | 2600 | 3200 |
| 4262944 | NNU 4944 | 220 | 300 | 80 | | 16,5 | 530 | 1200 | 1800 | 2200 |
| 4262948 | NNU 4948 | 240 | 320 | 80 | | 17,5 | 625 | 1470 | 1700 | 2000 |
| 4262952 | NNU 4952 | 260 | 360 | 100 | | 30,5 | 760 | 2030 | 1400 | 1700 |
| 4262956 | NNU 4956 | 280 | 380 | 100 | | 32,5 | 870 | 2200 | 1300 | 1600 |
| 4262960 | NNU 4960 | 300 | 420 | 118 | | 50 | 1040 | 2800 | 1200 | 1500 |
| 4262964 | NNU 4964 | 320 | 440 | 118 | | 53 | 1060 | 3040 | 1100 | 1400 |
| 4262968 | NNU 4968 | 340 | 460 | 118 | | 56 | 1350 | 3400 | 1100 | 1300 |
| 4262972 | NNU 4972 | 360 | 480 | 118 | | 58,5 | 1390 | 3550 | 1100 | 1300 |
| 4262976 | NNU 4976 | 380 | 520 | 140 | | 87,5 | 1880 | 4600 | 1000 | 1200 |
| 4262980 | NNU 4980 | 400 | 540 | 140 | | 91,5 | 1700 | 4500 | 940 | 1100 |
| 4262984 | NNU 4984 | 420 | 560 | 140 | | 95,5 | 1650 | 4750 | 850 | 1000 |
| 4262988 | NNU 4988 | 440 | 600 | 160 | | 130 | 1740 | 4950 | 850 | 1000 |
| 4262992 | NNU 4992 | 460 | 620 | 160 | | 135 | 2000 | 5400 | 800 | 900 |
| 4262996 | NNU 4996 | 480 | 650 | 170 | | 150 | 2300 | 6150 | 720 | 880 |
| 42629/500 | NNU 49/500 | 500 | 670 | 170 | | 165 | 2450 | 6800 | 750 | 1000 |
| 42629/530 | NNU 49/530 | 530 | 710 | 180 | | 200 | 2930 | 7450 | 700 | 950 |
| 42629/560 | NNU 49/560 | 560 | 750 | 190 | | 235 | 3210 | 8950 | 630 | 750 |
| 42629/600 | NNU 49/600 | 600 | 800 | 200 | | 280 | 3700 | 11400 | 560 | 670 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS DOUBLE - ROW
# WITH THE FLAT-BED INNER RACE

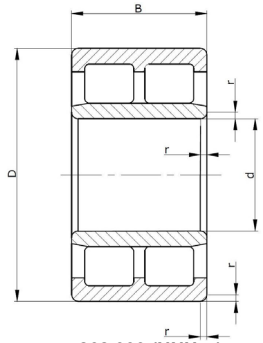
DESIGN OPTIONS:

| | | |
|---|---|---|
| 162 000 | (NNU…K) | - double-row with the conical bore and outer ring with ribs |
| 262 000 | (NNU…) | - double-row with cylindrical bore и and outer ring with ribs |

OPTIONS OF SEPARATOR DESIGN: :
- massive glassnylon composite cast; ;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**162 000 (NNU…K)**



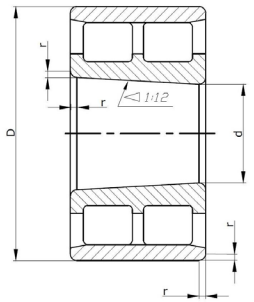

**262 000 (NNU…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 42629/630 | NNU 49/630 | 630 | 850 | 218 | | 355 | 4000 | 10800 | 520 | 650 |
| 42629/670 | NNU 49/670 | 670 | 900 | 230 | | 410 | 4900 | 12500 | 500 | 600 |
| 42629/710 | NNU 49/710 | 710 | 950 | 243 | | 480 | 5730 | 15200 | 450 | 530 |
| 42629/750 | NNU 49/750 | 750 | 1000 | 250 | | 535 | 5400 | 15800 | 420 | 480 |
| 42629/800 | NNU 49/800 | 800 | 1060 | 258 | | 614 | 5800 | 16500 | 360 | 440 |

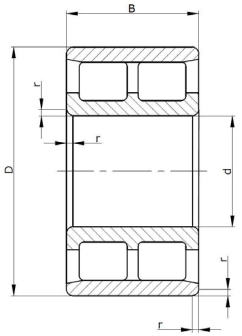
DESIGN OPTIONS::

| | | |
|---|---|---|
| 182 000 | (NN…K) | - double-row with the conical bore and with boards on the inner race |
| 282 000 | (NN…) | - double-row with the cylindrical bore and with boards on the inner race |

OPTIONS OF SEPARATOR DESIGN:
- massive glassnylon composite cast;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**182 000 (NN…K)**



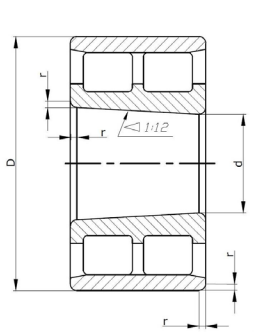

**282 000 (NN…)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3182105 | NN 3005 K | 25 | 47 | 16 | | 0,12 | 26,3 | 30 | 14000 | 17000 |
| 3182106 | NN 3006 K | 30 | 55 | 19 | | 0,186 | 31,5 | 37 | 12000 | 15000 |
| 3182107 | NN 3007 K | 35 | 62 | 20 | | 0,252 | 40 | 47,5 | 11000 | 13000 |
| 3182108 | NN 3008 K | 40 | 68 | 21 | | 0,301 | 44 | 29 | 9700 | 11000 |
| 3182109 | NN 3009 K | 45 | 75 | 23 | | 0,399 | 53 | 34,5 | 8800 | 10000 |
| 3182110 | NN 3010 K | 50 | 80 | 23 | | 0,43 | 54 | 37 | 8000 | 9400 |
| 3182111 | NN 3011 K | 55 | 90 | 26 | | 0,623 | 70,5 | 49 | 7300 | 8600 |
| 3182112 | NN 3012 K | 60 | 95 | 26 | | 0,69 | 74,5 | 54 | 6700 | 3900 |
| 3182113 | NN 3013 K | 65 | 100 | 26 | | 0,71 | 78,5 | 56 | 6200 | 7300 |
| 3182114 | NN 3014 K | 70 | 110 | 30 | | 1,06 | 99,5 | 74 | 5800 | 6800 |
| 3182115 | NN 3015 K | 75 | 115 | 30 | | 1,12 | 99,5 | 75 | 5400 | 6300 |
| 3182116 | NN 3016 K | 80 | 125 | 34 | | 1,52 | 122 | 91 | 5100 | 5900 |
| 3182117 | NN 3017 K | 85 | 130 | 34 | | 1,64 | 128 | 94 | 4800 | 5600 |
| 3182118 | NN 3018 K | 90 | 140 | 37 | | 2,03 | 146 | 116 | 4500 | 5300 |
| 3182119 | NN 3019 K | 95 | 145 | 37 | | 2,13 | 153 | 121 | 4300 | 5000 |
| 3182120 | NN 3020 K | 100 | 150 | 37 | | 2,2 | 160 | 129 | 4000 | 4800 |
| 3182121 | NN 3021 K | 105 | 160 | 41 | | 2,86 | 202 | 158 | 3800 | 4500 |
| 3182122 | NN 3022 K | 110 | 170 | 45 | | 3,53 | 233 | 189 | 3600 | 4300 |
| 3182124 | NN 3024 K | 120 | 180 | 46 | | 3,87 | 244 | 207 | 3300 | 3900 |
| 3182126 | NN 3026 K | 130 | 200 | 52 | | 5,33 | 290 | 212 | 3100 | 3600 |
| 3182128 | NN 3028 K | 140 | 210 | 53 | | 6,03 | 305 | 237 | 2800 | 3300 |
| 3182130 | NN 3030 K | 150 | 225 | 56 | | 7,54 | 340 | 270 | 2600 | 3100 |
| 3182132 | NN 3032 K | 160 | 240 | 60 | | 8,32 | 380 | 285 | 2500 | 2900 |
| 3182134 | NN 3034 K | 170 | 260 | 67 | | 12,9 | 460 | 380 | 2300 | 2700 |
| 3182136 | NN 3036 K | 180 | 280 | 74 | | 16,9 | 575 | 490 | 2200 | 2600 |
| 3182138 | NN 3038 K | 190 | 290 | 75 | | 17,4 | 605 | 500 | 2000 | 2400 |
| 3182140 | NN 3040 K | 200 | 310 | 82 | | 21,9 | 665 | 610 | 1900 | 2300 |
| 3182144 | NN 3044 K | 220 | 340 | 90 | | 29,4 | 830 | 775 | 1700 | 2100 |
| 3182148 | NN 3048 K | 240 | 360 | 92 | | 32,7 | 870 | 810 | 1600 | 1900 |
| 3182152 | NN 3052 K | 260 | 400 | 104 | | 47 | 1050 | 1050 | 1500 | 1700 |
| 3182156 | NN 3056 K | 280 | 420 | 106 | | 49,2 | 1100 | 1100 | 1300 | 1600 |
| 3182160 | NN 3060 K | 300 | 460 | 118 | | 69,6 | 1320 | 1350 | 1200 | 1500 |
| 3182164 | NN 3064 K | 320 | 480 | 121 | | 74,9 | 1380 | 1450 | 1100 | 1300 |
| 3182168 | NN 3068 K | 340 | 520 | 133 | | 97,3 | 1700 | 1700 | 1100 | 1300 |

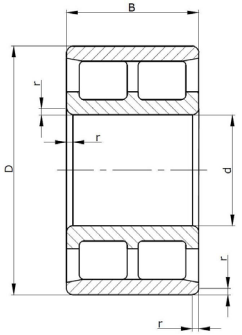
DESIGN OPTIONS::

| | | |
|---|---|---|
| 182 000 | (NN…K) | - double-row with the conical bore and with boards on the inner race |
| 282 000 | (NN…) | - double-row with the cylindrical bore and with boards on the inner race |

OPTIONS OF SEPARATOR DESIGN:
- massive glassnylon composite cast;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**182 000 (NN…K)**



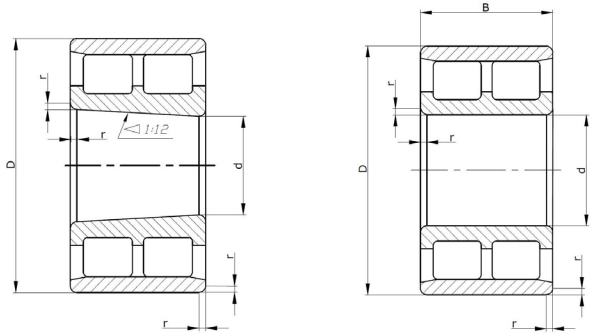

**282 000 (NN…)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3182172 | NN 3072 K | 360 | 540 | 134 | | 105 | 1730 | 1800 | 1000 | 1200 |
| 3182176 | NN 3076 K | 380 | 560 | 135 | | 116 | 1800 | 2000 | 900 | 1000 |
| 3182180 | NN 3080 K | 400 | 600 | 148 | | 144 | 1940 | 2200 | 1000 | 1200 |
| 3182184 | NN 3084 K | 420 | 620 | 150 | | 162 | 2100 | 2460 | 1000 | 1200 |
| 3182188 | NN 3088 K | 440 | 650 | 157 | | 184 | 2200 | 2680 | 1000 | 1200 |
| 3182192 | NN 3092 K | 460 | 680 | 163 | | 196 | 2400 | 2900 | 1000 | 1200 |
| 3182196 | NN 3096 K | 480 | 700 | 165 | | 208 | 2480 | 2950 | 930 | 1000 |
| 31821/500 | NN 30/500 K | 500 | 720 | 167 | | 210 | 2500 | 3100 | 950 | 1100 |
| 31821/530 | NN 30/530 K | 530 | 780 | 185 | | 258 | 3250 | 7250 | 880 | 980 |
| 31821/560 | NN 30/560 K | 560 | 820 | 195 | | 337 | 3720 | 8170 | 600 | 650 |
| 31821/600 | NN 30/600 K | 600 | 870 | 200 | | 384 | 4460 | 9850 | 600 | 800 |
| 31821/630 | NN 30/630 K | 630 | 920 | 212 | | 438 | 4350 | 10600 | 550 | 750 |
| 31821/670 | NN 30/670 K | 670 | 980 | 230 | | 530 | 4980 | 11300 | 500 | 750 |
| 31821/710 | NN 30/710 K | 710 | 1030 | 236 | | 590 | 5500 | 12500 | 580 | 650 |
| 31821/750 | NN 30/750 K | 750 | 1090 | 250 | | 700 | 5800 | 15000 | 550 | 600 |
| 31821/800 | NN 30/800 K | 800 | 1150 | 258 | | 750 | 7500 | 17500 | 510 | 580 |
| 31821/850 | NN 30/850 K | 850 | 1220 | 272 | | 930 | 7800 | 18000 | 470 | 520 |
| 31821/900 | NN 30/900 K | 900 | 1280 | 280 | | 1050 | 7920 | 19000 | 310 | 370 |
| 31821/950 | NN 30/950 K | 950 | 1360 | 300 | | 1300 | 8750 | 22500 | 390 | 440 |
| 31821/1000 | NN 30/1000 K | 1000 | 1420 | 412 | | 1385 | 10000 | 24600 | 370 | 420 |
| 31821/1060 | NN 30/1060 K | 1060 | 1500 | 325 | | 1650 | 11000 | 27500 | 290 | 380 |
| | | | | | | | | | | |
| 3282105 | NN 3005 | 25 | 47 | 16 | | 0,125 | 26,3 | 30 | 14000 | 17000 |
| 3282106 | NN 3006 | 30 | 55 | 19 | | 0,193 | 31,5 | 37 | 12000 | 15000 |
| 3282107 | NN 3007 | 35 | 62 | 20 | | 0,262 | 40 | 47,5 | 11000 | 13000 |
| 3282108 | NN 3008 | 40 | 68 | 21 | | 0,313 | 44 | 29 | 9700 | 11000 |
| 3282109 | NN 3009 | 45 | 75 | 23 | | 0,415 | 53 | 34,5 | 8700 | 10000 |
| 3282110 | NN 3010 | 50 | 80 | 23 | | 0,447 | 54 | 37 | 8000 | 9400 |
| 3282111 | NN 3011 | 55 | 90 | 26 | | 0,648 | 70,5 | 49 | 7300 | 8600 |
| 3282112 | NN 3012 | 60 | 95 | 26 | | 0,718 | 74,5 | 54 | 6700 | 3900 |
| 3282113 | NN 3013 | 65 | 100 | 26 | | 0,738 | 78,5 | 56 | 6200 | 7300 |
| 3282114 | NN 3014 | 70 | 110 | 30 | | 1,1 | 99,5 | 74 | 5800 | 6800 |
| 3282115 | NN 3015 | 75 | 115 | 30 | | 1,16 | 99,5 | 75 | 5400 | 6300 |
| 3282116 | NN 3016 | 80 | 125 | 34 | | 1,58 | 122 | 91 | 5100 | 5900 |

DESIGN OPTIONS::

| | | |
|---|---|---|
| 182 000 | (NN…K) | - double-row with the conical bore and with boards on the inner race |
| 282 000 | (NN…) | - double-row with the cylindrical bore and with boards on the inner race |

OPTIONS OF SEPARATOR DESIGN:
- massive glassnylon composite cast;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.



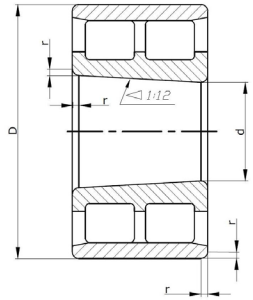

**182 000 (NN…K)** **282 000 (NN…)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3282117 | NN 3017 | 85 | 130 | 34 | | 1,71 | 128 | 94 | 4800 | 5600 |
| 3282118 | NN 3018 | 90 | 140 | 37 | | 2,11 | 146 | 116 | 4500 | 5300 |
| 3282119 | NN 3019 | 95 | 145 | 37 | | 2,22 | 153 | 121 | 4300 | 5000 |
| 3282120 | NN 3020 | 100 | 150 | 37 | | 2,26 | 160 | 129 | 4000 | 4800 |
| 3282121 | NN 3021 | 105 | 160 | 41 | | 2,97 | 202 | 158 | 3800 | 4500 |
| 3282122 | NN 3022 | 110 | 170 | 45 | | 3,67 | 233 | 189 | 3600 | 4300 |
| 3282124 | NN 3024 | 120 | 180 | 46 | | 3,97 | 244 | 207 | 3300 | 3900 |
| 3282126 | NN 3026 | 130 | 200 | 52 | | 5,56 | 290 | 212 | 3100 | 3600 |
| 3282128 | NN 3028 | 140 | 210 | 53 | | 6,3 | 305 | 237 | 2800 | 3300 |
| 3282130 | NN 3030 | 150 | 225 | 56 | | 7,81 | 340 | 270 | 2600 | 3100 |
| 3282132 | NN 3032 | 160 | 240 | 60 | | 9,08 | 380 | 285 | 2500 | 2900 |
| 3282134 | NN 3034 | 170 | 260 | 67 | | 12,9 | 460 | 380 | 2300 | 2700 |
| 3282136 | NN 3036 | 180 | 280 | 74 | | 16,5 | 575 | 490 | 2200 | 2600 |
| 3282138 | NN 3038 | 190 | 290 | 75 | | 17 | 605 | 500 | 2000 | 2400 |
| 3282140 | NN 3040 | 200 | 310 | 82 | | 23,2 | 665 | 610 | 1900 | 2300 |
| 3282144 | NN 3044 | 220 | 340 | 90 | | 28,5 | 830 | 775 | 1700 | 2100 |
| 3282148 | NN 3048 | 240 | 360 | 92 | | 35,6 | 870 | 810 | 1600 | 1900 |
| 3282152 | NN 3052 | 260 | 400 | 104 | | 46 | 1050 | 1050 | 1500 | 1700 |
| 3282156 | NN 3056 | 280 | 420 | 106 | | 51,5 | 1100 | 1100 | 1300 | 1600 |
| 3282160 | NN 3060 | 300 | 460 | 118 | | 68,5 | 1320 | 1350 | 1200 | 1500 |
| 3282164 | NN 3064 | 320 | 480 | 121 | | 74 | 1380 | 1450 | 1100 | 1300 |
| 3282168 | NN 3068 | 340 | 520 | 133 | | 100 | 1700 | 1700 | 1100 | 1300 |
| 3282172 | NN 3072 | 360 | 540 | 134 | | 107 | 1730 | 1800 | 1000 | 1200 |
| 3282196 | NN 3096 | 480 | 700 | 165 | | 210 | 2480 | 2950 | 930 | 1000 |
| 32821/500 | NN 30/500 | 500 | 720 | 167 | | 213 | 2500 | 3100 | 950 | 1100 |
| 32821/530 | NN 30/530 | 530 | 780 | 185 | | 262 | 3250 | 7250 | 880 | 980 |
| 32821/600 | NN 30/600 | 600 | 870 | 200 | | 403 | 4460 | 9850 | 600 | 800 |
| 32821/630 | NN 30/630 | 630 | 920 | 212 | | 460 | 4350 | 10600 | 550 | 750 |
| 32821/670 | NN 30/670 | 670 | 980 | 230 | | 594 | 4980 | 11300 | 500 | 750 |
| 32821/710 | NN 30/710 | 710 | 1030 | 236 | | 595 | 5500 | 12500 | 580 | 650 |
| 32821/750 | NN 30/750 | 750 | 1090 | 250 | | 705 | 5800 | 15000 | 550 | 600 |
| 32821/800 | NN 30/800 | 800 | 1150 | 258 | | 785 | 7500 | 17500 | 510 | 580 |
| 32821/850 | NN 30/850 | 850 | 1220 | 272 | | 935 | 7800 | 18000 | 470 | 520 |
| 32821/900 | NN 30/900 | 900 | 1280 | 280 | | 1050 | 7920 | 19000 | 310 | 370 |

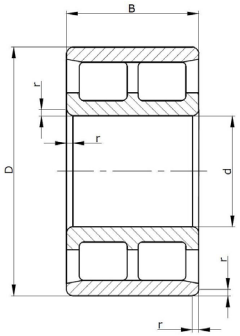
DESIGN OPTIONS::

| | | |
|---|---|---|
| 182 000 | (NN…K) | - double-row with the conical bore and with boards on the inner race |
| 282 000 | (NN…) | - double-row with the cylindrical bore and with boards on the inner race |

OPTIONS OF SEPARATOR DESIGN:
- massive glassnylon composite cast;
- brass integral mechanically processed;
- brass compound (riveted) with separator shields.




**182 000 (NN…K)**



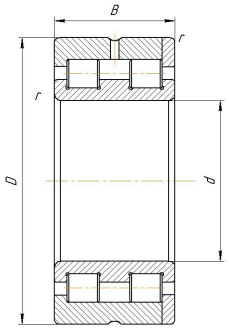

**282 000 (NN…)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 32821/950 | NN 30/950 | 950 | 1360 | 300 | | 1300 | 8750 | 22500 | 390 | 440 |
| 32821/1000 | NN 30/1000 | 1000 | 1420 | 412 | | 1385 | 10000 | 24600 | 370 | 420 |
| 32821/1060 | NN 30/1060 | 1060 | 1500 | 325 | | 1650 | 11000 | 27500 | 290 | 320 |

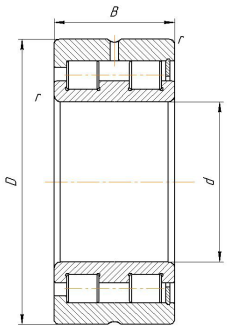
# ROLLER RADIAL BEARINGS WITH SHORT CYLINDRICAL ROLLERS DOUBLE-ROW WITHOUT SEPARATOR

DESIGN OPTIONS::

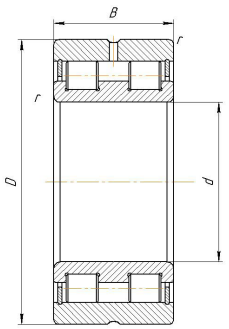
| | |
|---|---|
| NNC… | - Double-row without separator with one boards and flat ring near the outer ring |
| NNCF… | - Double-row without separator with one boards and lock washer at outer ring |
| NNCL… | - Double-row without separator with a double-faced outer ring and lock washers on both sides |




**(NNC…)**




**(NNCF…)**



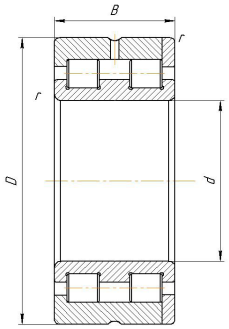

**(NNCL…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | NNC4830V | 150 | 190 | 40 | | 2,9 | 233 | 585 | 700 | 1500 |
| - | NNC4832V | 160 | 200 | 40 | | 3,05 | 242 | 620 | 670 | 1400 |
| - | NNC4834V | 170 | 215 | 45 | | 4,1 | 264 | 655 | 630 | 1300 |
| - | NNC4836V | 180 | 225 | 45 | | 4,3 | 270 | 695 | 600 | 1200 |
| - | NNC4838V | 190 | 240 | 50 | | 5,65 | 303 | 750 | 560 | 1100 |
| - | NNC4840V | 200 | 250 | 50 | | 5,9 | 314 | 800 | 560 | 1100 |
| - | NNC4844V | 220 | 270 | 50 | | 6,55 | 330 | 865 | 530 | 1000 |
| - | NNC4848V | 240 | 300 | 60 | | 10 | 501 | 1290 | 480 | 900 |
| - | NNC4852V | 260 | 320 | 60 | | 11 | 523 | 1400 | 430 | 800 |
| - | NNC4856V | 280 | 350 | 69 | | 16 | 682 | 1860 | 400 | 750 |
| - | NNC4860V | 300 | 380 | 80 | | 23 | 792 | 2120 | 380 | 700 |
| - | NNC4864V | 320 | 400 | 80 | | 24,5 | 825 | 2280 | 340 | 630 |
| - | NNC4868V | 340 | 420 | 80 | | 25,5 | 842 | 2400 | 320 | 600 |
| - | NNC4872V | 360 | 440 | 80 | | 27 | 880 | 2550 | 300 | 560 |
| - | NNC4876V | 380 | 480 | 100 | | 45,5 | 1300 | 3650 | 280 | 530 |
| - | NNC4880V | 400 | 500 | 100 | | 47,5 | 1320 | 3750 | 260 | 500 |
| - | NNC4884V | 420 | 520 | 100 | | 49,5 | 1340 | 4000 | 240 | 480 |
| - | NNC4888V | 440 | 540 | 100 | | 52 | 1400 | 4150 | 220 | 450 |
| - | NNC4892V | 460 | 580 | 118 | | 76 | 1540 | 4500 | 200 | 430 |
| - | NNC4896V | 480 | 600 | 118 | | 78,5 | 1570 | 4750 | 190 | 400 |
| - | NNC48/500V | 500 | 620 | 118 | | 81,5 | 1610 | 4900 | 190 | 400 |
| - | NNC48/530V | 530 | 650 | 118 | | 86 | 1680 | 5400 | 170 | 360 |
| | | | | | | | | | | |
| - | NNC4920V | 100 | 140 | 40 | | 2 | 194 | 400 | 950 | 2000 |
| - | NNC49224V | 120 | 165 | 45 | | 2,9 | 224 | 480 | 800 | 1700 |
| - | NNC4922V | 110 | 150 | 40 | | 2,15 | 201 | 430 | 900 | 1900 |
| - | NNC4926V | 130 | 180 | 50 | | 3,9 | 255 | 530 | 750 | 1600 |
| - | NNC4928V | 140 | 190 | 50 | | 4,15 | 264 | 570 | 700 | 1500 |
| - | NNC4930V | 150 | 210 | 60 | | 6,7 | 380 | 850 | 670 | 1400 |
| - | NNC4932V | 160 | 220 | 60 | | 7 | 396 | 900 | 630 | 1300 |
| - | NNC4934V | 170 | 230 | 60 | | 7,45 | 413 | 950 | 600 | 1200 |
| - | NNC4936V | 180 | 250 | 69 | | 10,5 | 550 | 1220 | 560 | 1100 |
| - | NNC4940V | 200 | 280 | 80 | | 15,5 | 660 | 1500 | 530 | 1000 |
| - | NNC4944V | 220 | 300 | 80 | | 17 | 682 | 1600 | 500 | 950 |

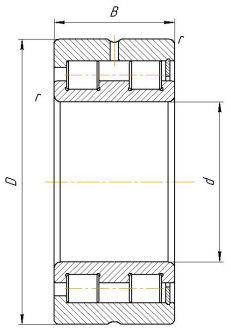
# ROLLER RADIAL BEARINGS WITH SHORT CYLINDRICAL ROLLERS DOUBLE-ROW WITHOUT SEPARATOR

DESIGN OPTIONS::

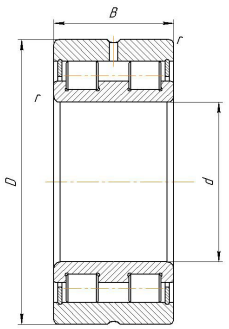
| | |
|---|---|
| NNC… | - Double-row without separator with one boards and flat ring near the outer ring |
| NNCF… | - Double-row without separator with one boards and lock washer at outer ring |
| NNCL… | - Double-row without separator with a double-faced outer ring and lock washers on both sides |




**(NNC…)**




**(NNCF…)**



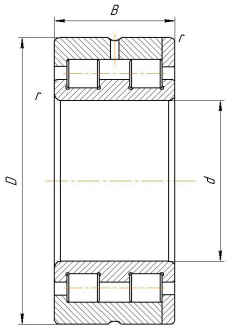

**(NNCL…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | NNC4948V | 240 | 320 | 80 | | 18,5 | 721 | 1760 | 450 | 850 |
| - | NNC4952V | 260 | 360 | 100 | | 32 | 1080 | 2550 | 400 | 750 |
| - | NNC4956V | 280 | 380 | 100 | | 34 | 1120 | 2700 | 380 | 700 |
| - | NNC4960V | 300 | 420 | 118 | | 52 | 1540 | 3600 | 340 | 630 |
| - | NNC4964V | 320 | 440 | 118 | | 55 | 1570 | 3800 | 320 | 600 |
| - | NNC4968V | 340 | 460 | 118 | | 59,5 | 1610 | 4000 | 300 | 560 |
| - | NNC4972V | 360 | 480 | 118 | | 61 | 1680 | 4150 | 300 | 560 |
| - | NNC4976V | 380 | 520 | 140 | | 91,5 | 2120 | 5400 | 260 | 500 |
| - | NNC4980V | 400 | 540 | 140 | | 95,5 | 2160 | 5700 | 240 | 480 |
| - | NNC4984V | 420 | 560 | 140 | | 99,5 | 2200 | 6000 | 220 | 450 |
| - | NNC4988V | 440 | 600 | 160 | | 137 | 2970 | 7500 | 200 | 430 |
| - | NNC4992V | 460 | 620 | 160 | | 140 | 3030 | 7650 | 190 | 400 |
| - | NNC4996V | 480 | 650 | 170 | | 165 | 3300 | 8300 | 180 | 380 |
| - | NNC49/500V | 500 | 670 | 170 | | 175 | 3360 | 8800 | 170 | 360 |
| - | NNC49/530V | 530 | 710 | 180 | | 200 | 3910 | 10200 | 160 | 340 |
| | | | | | | | | | | |
| - | NNCF4832V | 160 | 200 | 40 | | 3,05 | 242 | 620 | 670 | 1400 |
| - | NNCF4840V | 200 | 250 | 50 | | 5,91 | 314 | 800 | 560 | 1100 |
| - | NNCF4844V | 220 | 270 | 50 | | 6,55 | 330 | 865 | 530 | 1000 |
| - | NNCF4848V | 240 | 300 | 60 | | 10,1 | 501 | 1290 | 480 | 900 |
| - | NNCF4852V | 260 | 320 | 60 | | 11,1 | 523 | 1400 | 430 | 800 |
| - | NNCF4856V | 280 | 350 | 69 | | 16,1 | 682 | 1860 | 400 | 750 |
| - | NNCF4860V | 300 | 380 | 80 | | 23 | 792 | 2120 | 380 | 700 |
| - | NNCF4864V | 320 | 400 | 80 | | 24,5 | 825 | 2280 | 340 | 630 |
| - | NNCF4868V | 340 | 420 | 80 | | 25,5 | 842 | 2400 | 320 | 600 |
| - | NNCF4872V | 360 | 440 | 80 | | 27 | 880 | 2550 | 300 | 560 |
| - | NNCF4876V | 380 | 480 | 100 | | 45,5 | 1300 | 3650 | 280 | 530 |
| - | NNCF4880V | 400 | 500 | 100 | | 47,5 | 1320 | 3750 | 260 | 500 |
| - | NNCF4884V | 420 | 520 | 100 | | 49,5 | 1340 | 4000 | 240 | 480 |
| - | NNCF4888V | 440 | 540 | 100 | | 52 | 1400 | 4150 | 220 | 450 |
| - | NNCF4892V | 460 | 580 | 118 | | 76 | 1540 | 4500 | 200 | 430 |
| - | NNCF4896V | 480 | 600 | 118 | | 78,5 | 1570 | 4750 | 190 | 400 |
| - | NNCF48/500V | 500 | 620 | 118 | | 81,5 | 1610 | 4900 | 190 | 400 |
| - | NNCF48/530V | 530 | 650 | 118 | | 85 | 1680 | 5400 | 170 | 360 |

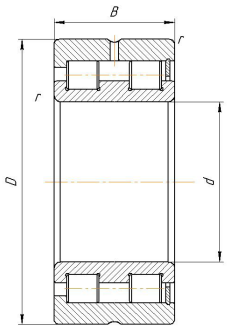
# ROLLER RADIAL BEARINGS WITH SHORT CYLINDRICAL ROLLERS DOUBLE-ROW WITHOUT SEPARATOR

DESIGN OPTIONS::

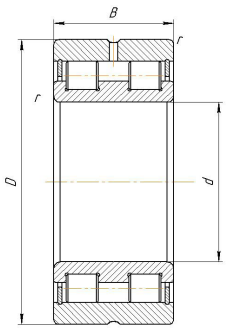
| | |
|---|---|
| NNC… | - Double-row without separator with one boards and flat ring near the outer ring |
| NNCF… | - Double-row without separator with one boards and lock washer at outer ring |
| NNCL… | - Double-row without separator with a double-faced outer ring and lock washers on both sides |




**(NNC…)**




**(NNCF…)**



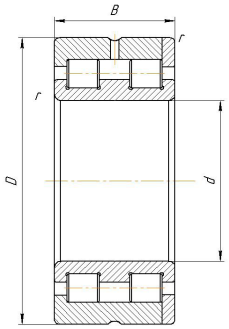

**(NNCL…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| - | NNCF4920V | 100 | 140 | 40 | | 2 | 194 | 400 | 950 | 2000 |
| - | NNCF4922V | 110 | 150 | 40 | | 2,15 | 201 | 430 | 900 | 1900 |
| - | NNCF4924V | 120 | 165 | 45 | | 2,9 | 224 | 480 | 800 | 1700 |
| - | NNCF4926V | 130 | 180 | 50 | | 3,91 | 255 | 530 | 750 | 1600 |
| - | NNCF4928V | 140 | 190 | 50 | | 4,16 | 264 | 570 | 700 | 1500 |
| - | NNCF4930V | 150 | 210 | 60 | | 6,71 | 380 | 850 | 670 | 1400 |
| - | NNCF4932V | 160 | 220 | 60 | | 7 | 396 | 900 | 630 | 1300 |
| - | NNCF4934V | 170 | 230 | 60 | | 7,46 | 413 | 950 | 600 | 1200 |
| - | NNCF4936V | 180 | 250 | 69 | | 10,6 | 550 | 1220 | 560 | 1100 |
| - | NNCF4938V | 190 | 260 | 69 | | 11 | 561 | 1290 | 560 | 1100 |
| - | NNCF4940V | 200 | 280 | 80 | | 15,6 | 660 | 1500 | 530 | 1000 |
| - | NNCF4944V | 220 | 300 | 80 | | 17 | 682 | 1600 | 500 | 950 |
| - | NNCF4948V | 240 | 320 | 80 | | 18,6 | 721 | 1760 | 450 | 850 |
| - | NNCF4952V | 260 | 360 | 100 | | 32,1 | 1080 | 2550 | 400 | 750 |
| - | NNCF4956V | 280 | 380 | 100 | | 34,1 | 1120 | 2700 | 380 | 700 |
| - | NNCF4960V | 300 | 420 | 118 | | 52 | 1540 | 3600 | 340 | 630 |
| - | NNCF4964V | 320 | 440 | 118 | | 55 | 1570 | 3800 | 320 | 600 |
| - | NNCF4968V | 340 | 460 | 118 | | 59,5 | 1610 | 4000 | 300 | 560 |
| - | NNCF4972V | 360 | 480 | 118 | | 61 | 1680 | 4150 | 300 | 560 |
| - | NNCF4976V | 380 | 520 | 140 | | 91,5 | 2120 | 5400 | 260 | 500 |
| - | NNCF4980V | 400 | 540 | 140 | | 95,5 | 2160 | 5700 | 240 | 480 |
| - | NNCF4984V | 420 | 560 | 140 | | 99,5 | 2200 | 6000 | 220 | 450 |
| - | NNCF4988V | 440 | 600 | 160 | | 137 | 2970 | 7500 | 200 | 430 |
| - | NNCF4992V | 460 | 620 | 160 | | 140 | 3030 | 7650 | 190 | 400 |
| - | NNCF4996V | 480 | 650 | 170 | | 165 | 3300 | 8300 | 180 | 380 |
| - | NNCF49/500V | 500 | 670 | 170 | | 175 | 3360 | 8800 | 170 | 360 |
| - | NNCF49/530V | 530 | 710 | 180 | | 200 | 3910 | 10200 | 160 | 340 |
| | | | | | | | | | | |
| - | NNCF5020V | 100 | 150 | 67 | | 4,05 | 391 | 680 | 950 | 2000 |
| - | NNCF5022V | 110 | 170 | 80 | | 6,6 | 528 | 930 | 850 | 1800 |
| - | NNCF5024V | 120 | 180 | 80 | | 7,1 | 561 | 1020 | 800 | 1700 |
| - | NNCF5026V | 130 | 200 | 95 | | 11 | 704 | 1370 | 700 | 1500 |
| - | NNCF5028CV | 140 | 210 | 95 | | 11,5 | 737 | 1460 | 670 | 1400 |

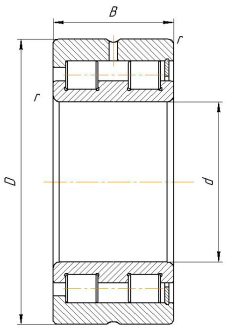
# ROLLER RADIAL BEARINGS WITH SHORT CYLINDRICAL ROLLERS DOUBLE-ROW WITHOUT SEPARATOR

DESIGN OPTIONS::

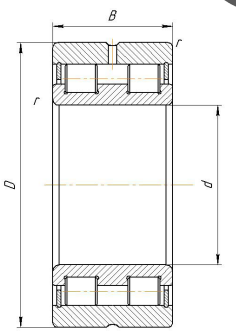
| | |
|---|---|
| NNC… | - Double-row without separator with one boards and flat ring near the outer ring |
| NNCF… | - Double-row without separator with one boards and lock washer at outer ring |
| NNCL… | - Double-row without separator with a double-faced outer ring and lock washers on both sides |




**(NNC…)**




**(NNCF…)**



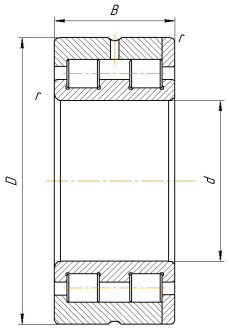

**(NNCL…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | NNCF5030V | 150 | 225 | 100 | | 14 | 842 | 1660 | 630 | 1300 |
| - | NNCF5032V | 160 | 240 | 109 | | 17 | 968 | 1800 | 600 | 1200 |
| - | NNCF5034V | 170 | 260 | 122 | | 23 | 1140 | 2120 | 560 | 1100 |
| - | NNCF5036V | 180 | 280 | 136 | | 30,5 | 1320 | 2500 | 560 | 1100 |
| - | NNCF5038V | 190 | 290 | 136 | | 31,5 | 1380 | 2600 | 530 | 1000 |
| - | NNCF5040V | 200 | 310 | 150 | | 41 | 1570 | 3050 | 500 | 950 |
| - | NNCF5044V | 220 | 340 | 160 | | 52,5 | 1870 | 3600 | 450 | 850 |
| - | NNCF5048V | 240 | 360 | 160 | | 56 | 1980 | 3900 | 430 | 800 |
| - | NNCF5052V | 260 | 400 | 190 | | 85,5 | 2640 | 5200 | 380 | 700 |
| - | NNCF5056V | 280 | 420 | 190 | | 90,5 | 2700 | 5600 | 360 | 670 |
| - | NNCF5060V | 300 | 460 | 2180 | | 130 | 3410 | 7100 | 320 | 600 |
| - | NNCF5064V | 320 | 480 | 218 | | 135 | 3470 | 7350 | 300 | 560 |
| - | NNCF5068V | 340 | 520 | 243 | | 185 | 4180 | 8800 | 280 | 530 |
| - | NNCF5072V | 360 | 540 | 243 | | 195 | 4290 | 9300 | 260 | 500 |
| - | NNCF5076V | 380 | 560 | 243 | | 200 | 4400 | 9800 | 240 | 480 |
| - | NNCF5080V | 400 | 600 | 272 | | 270 | 5500 | 12200 | 220 | 450 |
| - | NNCF5084V | 420 | 620 | 272 | | 267 | 5150 | 11300 | - | - |
| | | | | | | | | | | |
| - | NNCL4830V | 150 | 190 | 40 | | 2,9 | 233 | 585 | 700 | 1500 |
| - | NNCL4832V | 160 | 200 | 40 | | 3,05 | 242 | 620 | 670 | 1400 |
| - | NNCL4834V | 170 | 215 | 45 | | 4,1 | 264 | 655 | 630 | 1300 |
| - | NNCL4836V | 180 | 225 | 45 | | 4,3 | 270 | 695 | 600 | 1200 |
| - | NNCL4838V | 190 | 240 | 50 | | 5,65 | 303 | 750 | 560 | 1100 |
| - | NNCL4844V | 220 | 270 | 50 | | 6,55 | 330 | 865 | 530 | 1000 |
| - | NNCL4848V | 240 | 300 | 60 | | 10 | 501 | 1290 | 480 | 900 |
| - | NNCL4852V | 260 | 320 | 60 | | 11 | 523 | 1400 | 430 | 800 |
| - | NNCL4856V | 280 | 350 | 69 | | 16 | 682 | 1860 | 400 | 750 |
| - | NNCL4860V | 300 | 380 | 80 | | 23 | 792 | 2120 | 380 | 700 |
| - | NNCL4864V | 320 | 400 | 80 | | 24,5 | 825 | 2280 | 340 | 630 |
| - | NNCL4868V | 340 | 420 | 80 | | 25,5 | 842 | 2400 | 320 | 600 |
| - | NNCL4872V | 360 | 440 | 80 | | 27 | 880 | 2550 | 300 | 560 |
| - | NNCL4876V | 380 | 480 | 100 | | 45,5 | 1300 | 3650 | 280 | 530 |
| - | NNCL4880V | 400 | 500 | 100 | | 47,5 | 1320 | 3750 | 260 | 500 |
| - | NNCL4884V | 420 | 520 | 100 | | 49,5 | 1340 | 4000 | 240 | 480 |

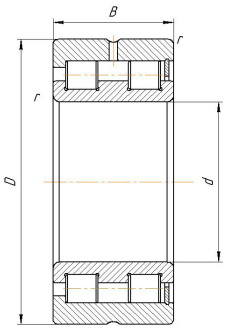
# ROLLER RADIAL BEARINGS WITH SHORT CYLINDRICAL ROLLERS DOUBLE-ROW WITHOUT SEPARATOR

DESIGN OPTIONS::

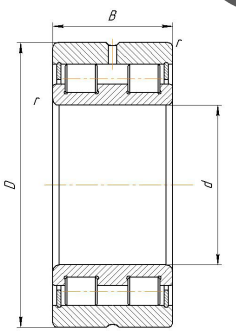
| | |
|---|---|
| NNC… | - Double-row without separator with one boards and flat ring near the outer ring |
| NNCF… | - Double-row without separator with one boards and lock washer at outer ring |
| NNCL… | - Double-row without separator with a double-faced outer ring and lock washers on both sides |




(NNC…)




(NNCF…)




(NNCL…)

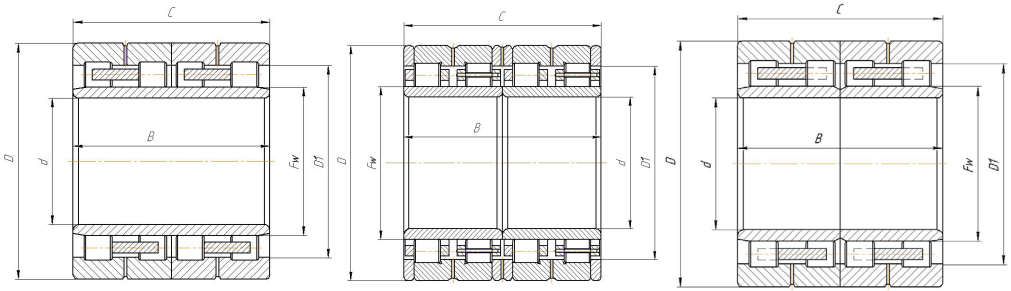
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | NNCL4888V | 440 | 540 | 100 | | 52 | 1400 | 4150 | 220 | 450 |
| - | NNCL4892V | 460 | 580 | 118 | | 76 | 1540 | 4500 | 200 | 430 |
| - | NNCL4896V | 480 | 600 | 118 | | 78,5 | 1570 | 4750 | 190 | 400 |
| - | NNCL48/500V | 500 | 620 | 118 | | 81,5 | 1610 | 4900 | 190 | 400 |
| - | NNCL48/530V | 530 | 650 | 118 | | 84 | 1680 | 5400 | 170 | 360 |
| | | | | | | | | | | |
| - | NNCL4920V | 100 | 140 | 40 | | 2 | 194 | 400 | 950 | 2000 |
| - | NNCL4922V | 110 | 150 | 40 | | 2,15 | 201 | 430 | 900 | 1900 |
| - | NNCL4924V | 120 | 165 | 45 | | 2,9 | 224 | 480 | 800 | 1700 |
| - | NNCL4926V | 130 | 180 | 50 | | 3,9 | 255 | 530 | 750 | 1600 |
| - | NNCL4928V | 140 | 190 | 50 | | 4,15 | 264 | 570 | 700 | 1500 |
| - | NNCL4930V | 150 | 210 | 60 | | 6,7 | 380 | 850 | 670 | 1400 |
| - | NNCL4932V | 160 | 220 | 60 | | 7 | 396 | 900 | 630 | 1300 |
| - | NNCL4934V | 170 | 230 | 60 | | 7,45 | 413 | 950 | 600 | 1200 |
| - | NNCL4936V | 180 | 250 | 69 | | 10,5 | 550 | 1220 | 560 | 1100 |
| - | NNCL4938V | 190 | 260 | 69 | | 11 | 561 | 1290 | 560 | 1100 |
| - | NNCL4944V | 220 | 300 | 80 | | 17 | 682 | 1600 | 500 | 950 |
| - | NNCL4948V | 240 | 320 | 80 | | 18,5 | 721 | 1760 | 450 | 850 |
| - | NNCL4952V | 260 | 360 | 100 | | 32 | 1080 | 2550 | 400 | 750 |
| - | NNCL4956V | 280 | 380 | 100 | | 34 | 1120 | 2700 | 380 | 700 |
| - | NNCL4960V | 300 | 420 | 118 | | 52 | 1540 | 3600 | 340 | 630 |
| - | NNCL4964V | 320 | 440 | 118 | | 55 | 1570 | 3800 | 320 | 600 |
| - | NNCL4968V | 340 | 460 | 118 | | 59,5 | 1610 | 4000 | 300 | 560 |
| - | NNCL4972V | 360 | 480 | 118 | | 61 | 1680 | 4150 | 300 | 560 |
| - | NNCL4976V | 380 | 520 | 140 | | 91,5 | 2120 | 5400 | 260 | 500 |
| - | NNCL4980V | 400 | 540 | 140 | | 95,5 | 2160 | 5700 | 240 | 480 |
| - | NNCL4984V | 420 | 560 | 140 | | 99,5 | 2200 | 6000 | 220 | 450 |
| - | NNCL4988V | 440 | 600 | 160 | | 137 | 2970 | 7500 | 200 | 430 |
| - | NNCL4992V | 460 | 620 | 160 | | 140 | 3030 | 7650 | 190 | 400 |
| - | NNCL4996V | 480 | 650 | 170 | | 165 | 3300 | 8300 | 180 | 380 |
| - | NNCL49/500V | 500 | 670 | 170 | | 175 | 3360 | 8800 | 170 | 360 |
| - | NNCL49/530V | 530 | 710 | 180 | | 200 | 3910 | 10200 | 160 | 340 |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# FOUR-ROW

DESIGN OPTIONS:

| | |
|---|---|
| (FC….) | - multirow bearing without rib on inner ring |
| (FCDP….) | - multirow bearing without rib on inner ring with flat trust rings on outer ring |
| (FCD….) | - multirow bearing without rib on double inner ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- brass integral mechanically processed;
- brass compound with separator shields.




**(FC….)** **(FCDP….)** **(FCD….)**

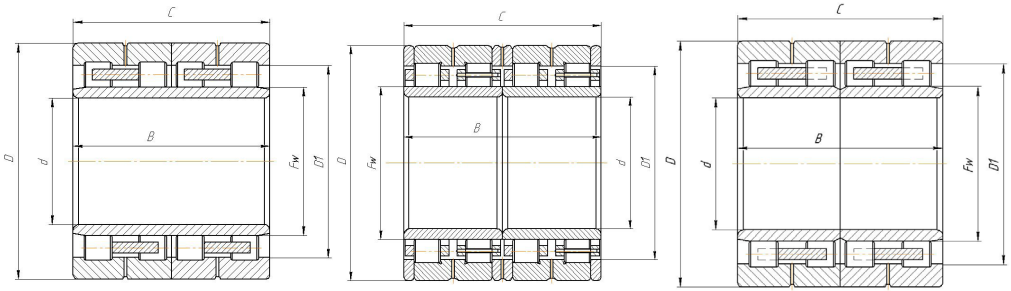
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | FC182870 | 90 | 140 | 70 | | 3,78 | 253 | 425 | | |
| | FC2028104 | 100 | 140 | 104 | | 4,99 | 330 | 775 | | |
| | FC202870/YA3 | 100 | 140 | 70 | | 3,1 | 209 | 435 | | |
| | FC2030106 | 100 | 150 | 106 | | 6,67 | 425 | 890 | | |
| | FC2234120A | 110 | 170 | 120 | | 10,1 | 583 | 1110 | | |
| | FC2436105 | 120 | 180 | 105 | | 9,13 | 413 | 770 | | |
| | FC2640125 | 130 | 200 | 125 | | 14,6 | 583 | 1200 | | |
| | FC2842125 | 140 | 210 | 125 | | 14,7 | 594 | 1160 | | |
| | FC2842155K/C9YA3 | 140 | 210 | 155 | | 18,1 | 693 | 1610 | | |
| | FC2942155 | 145 | 210 | 155 | | 18,3 | 752 | 1610 | | |
| | FC2942155/YA3 | 145 | 210 | 155 | | 18,3 | 752 | 1610 | | |
| | FC2945156/C3 | 145 | 225 | 156 | | 23,6 | 913 | 1800 | | |
| | FC3045120 | 150 | 225 | 120 | | 16,7 | 710 | 1450 | | |
| | FC3046156 | 150 | 230 | 156 | | 23,6 | 852 | 1790 | | |
| | FC3246130 | 160 | 230 | 130 | | 16,9 | 742 | 1705 | | |
| | FC3246168/YA3 | 160 | 230 | 168 | | 22,1 | 852 | 2170 | | |
| | FC3248124/C9 | 160 | 240 | 124 | | 20,3 | 810 | 1530 | | |
| | FC3248168 | 160 | 240 | 168 | | 26,4 | 1060 | 2350 | | |
| | FC3446180/YA4 | 170 | 230 | 180 | | 21,7 | 1010 | 2720 | | |
| | FC3450170 | 170 | 250 | 170 | | 28,5 | 1280 | 2500 | | |
| | FC3452120 | 170 | 260 | 120 | | 24,6 | 867 | 1790 | | |
| | FC3452150 | 170 | 260 | 150 | | 29,7 | 1000 | 2240 | | |
| | FC3650156/C4YA4 | 180 | 250 | 156 | | 22,7 | 1210 | 1770 | | |
| | FC3650156/YA3 | 180 | 256 | 156 | | 23,7 | 1220 | 1950 | | |
| | FC3652124 | 180 | 260 | 124 | | 21,7 | 809 | 1730 | | |
| | FC3652168 | 180 | 260 | 168 | | 30,2 | 1180 | 2790 | | |
| | FC3652168/YA4 | 180 | 260 | 168 | | 29,3 | 1100 | 2660 | | |
| | FC3652180 | 180 | 260 | 180 | | 31,5 | 1250 | 3000 | | |
| | FC3852168/YA3 | 190 | 260 | 168 | | 23,1 | 1450 | 2600 | | |
| | FC3852168A | 190 | 260 | 168 | | 23,1 | 1450 | 2600 | | |
| | FC3854168 | 190 | 270 | 168 | | 30,2 | 1420 | 2430 | | |
| | FC3854170/YA3 | 190 | 270 | 170 | | 30,2 | 1430 | 2430 | | |
| | FC3854200 | 190 | 270 | 200 | | 35 | 1520 | 3180 | | |
| | FC4056170X4/YA3 | 199,86 | 280 | 170 | | 33,3 | 1110 | 3000 | | |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# FOUR-ROW

DESIGN OPTIONS:

| | |
|---|---|
| (FC….) | - multirow bearing without rib on inner ring |
| (FCDP….) | - multirow bearing without rib on inner ring with flat trust rings on outer ring |
| (FCD….) | - multirow bearing without rib on double inner ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- brass integral mechanically processed;
- brass compound with separator shields.




**(FC….)** **(FCDP….)** **(FCD….)**

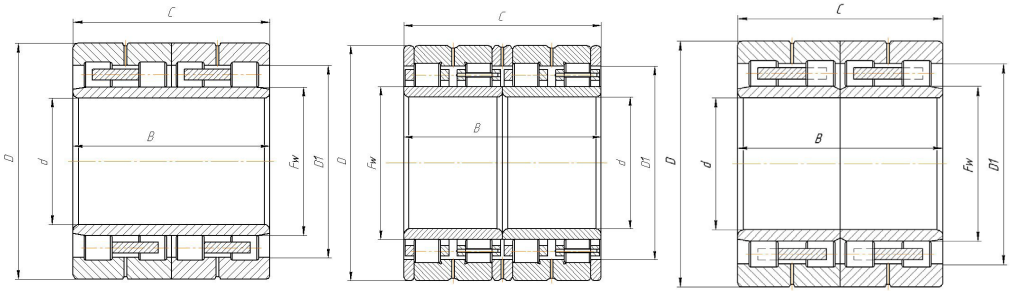
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | FC4054170/HCC4YA3 | 200 | 270 | 170 | | 28,7 | 1120 | 2740 | | |
| | FC4054170Q1/YA3 | 200 | 270 | 170 | | 28,7 | 1120 | 2270 | | |
| | FC4056188 | 200 | 280 | 188 | | 35,7 | 1430 | 2580 | | |
| | FC4058192 | 200 | 290 | 192 | | 40,9 | 1460 | 3250 | | |
| | FC4260170 | 210 | 300 | 170 | | 39,1 | 1320 | 3150 | | |
| | FC4260210 | 210 | 300 | 210 | | 48,3 | 1560 | 3950 | | |
| | FC4460192/YA4-1 | 220 | 300 | 192 | | 39,8 | 1280 | 3390 | | |
| | FC4462192/YA3 | 220 | 310 | 192 | | 45,8 | 1600 | 1910 | | |
| | FC4462225 | 220 | 310 | 225 | | 53,9 | 1850 | 4050 | | |
| | FC4464210/YA3 | 220 | 320 | 210 | | 56,5 | 1900 | 3800 | | |
| | FC4468200/YB2 | 220 | 340 | 200 | | 63,4 | 1950 | 3550 | | |
| | FC4666206/YA3 | 230 | 330 | 206 | | 56,5 | 1780 | 3800 | | |
| | FC4666206/YA34 | 230 | 330 | 206 | | 57,8 | 1880 | 4350 | | |
| | FC4668260/HCYA3 | 230 | 340 | 260 | | 82,1 | 2120 | 5350 | | |
| | FC4866220/YA3 | 240 | 330 | 220 | | 56,5 | 1780 | 4850 | | |
| | FC4868192/YA4 | 240 | 340 | 192 | | 55,5 | 1560 | 3850 | | |
| | FC4868192A1 | 240 | 340 | 192 | | 52,8 | 1440 | 3380 | | |
| | FC4872220 | 240 | 360 | 200 | | 78 | 1870 | 4410 | | |
| | FC5070220/YA3 | 250 | 350 | 220 | | 65,5 | 1740 | 4980 | | |
| | FC5072220/YA3 | 250 | 360 | 220 | | 76,9 | 1650 | 4250 | | |
| | FC5272200/YA3B2 | 260 | 360 | 200 | | 63 | 2000 | 4650 | | |
| | FC5274220/YA34 | 260 | 370 | 220 | | 79,6 | 2100 | 4900 | | |
| | FC5276220/C4YA4 | 260 | 380 | 220 | | 87,9 | 2150 | 4750 | | |
| | FC5276280/HCYA3 | 260 | 380 | 280 | | 111 | 2640 | 6050 | | |
| | FC5478236 | 270 | 390 | 236 | | 97,8 | 2310 | 5950 | | |
| | FC5746230/YA3 | 270 | 380 | 230 | | 80,2 | 1890 | 4800 | | |
| | FC5678220 | 280 | 390 | 220 | | 86,5 | 2130 | 5150 | | |
| | FC5678220/HCYAD | 280 | 390 | 220 | | 83 | 2300 | 5100 | | |
| | FC5678240 | 280 | 390 | 240 | | 90,4 | 2570 | 5850 | | |
| | FC5684280 | 280 | 420 | 280 | | 139 | 3500 | 7000 | | |
| | FC5882240/C4YA3 | 290 | 410 | 240 | | 102 | 2340 | 5900 | | |
| | FC6084240 | 300 | 420 | 240 | | 111 | 3450 | 6300 | | |
| | FC6490240/YA3 | 320 | 450 | 240 | | 119 | 2760 | 6720 | | |
| | FC6490240/YA34 | 320 | 450 | 240 | | 120 | 2760 | 6720 | | |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# FOUR-ROW

DESIGN OPTIONS:

| | |
|---|---|
| (FC….) | - multirow bearing without rib on inner ring |
| (FCDP….) | - multirow bearing without rib on inner ring with flat trust rings on outer ring |
| (FCD….) | - multirow bearing without rib on double inner ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- brass integral mechanically processed;
- brass compound with separator shields.




**(FC….)** **(FCDP….)** **(FCD….)**

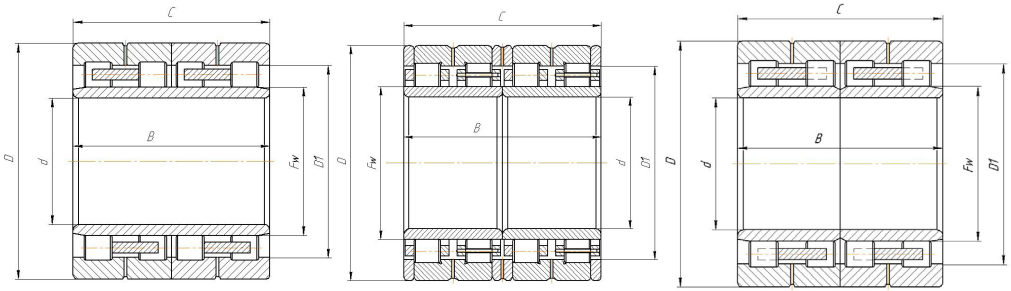
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | FC70104300 | 350 | 520 | 300 | | 213 | 4200 | 9000 | | |
| | FC72100250ZW/HCYA3 | 360 | 500 | 250 | | 156 | 3600 | 7730 | | |
| | FC73108300 | 365 | 540 | 300 | | 225 | 5000 | 11000 | | |
| | FC76108304 | 380 | 540 | 304 | | 227 | 4650 | 10100 | | |
| | FC76108340 | 380 | 540 | 340 | | 256 | 5250 | 11900 | | |
| | FC78110400K/HCYA4 | 390 | 550 | 400 | | 330 | 4850 | 13400 | | |
| | FC80110300 | 400 | 550 | 300 | | 223 | 4460 | 5050 | | |
| | FC80112300 | 400 | 560 | 300 | | 242 | 4550 | 10000 | | |
| | FC88130355 | 440 | 650 | 355 | | 400 | 6250 | 14600 | | |
| | FC88132340ZW/HCC4YA3 | 440 | 660 | 340 | | 425 | 6380 | 13500 | | |
| | FC90114300 | 450 | 590 | 300 | | 240 | 3900 | 12200 | | |
| | FC92136400 | 460 | 680 | 400 | | 630 | 8050 | 17400 | | |
| | FC100134450/P69 | 500 | 670 | 450 | | 446 | 7800 | 20100 | | |
| | FC100144400 | 500 | 720 | 400 | | 526 | 7850 | 17500 | | |
| | FC114150530/HCYA3 | 570 | 750 | 530 | | 625 | 9000 | 26600 | | |
| | | | | | | | | | | |
| | FCD3045120 | 150 | 225 | 120 | | 16,6 | 710 | 1450 | | |
| | FCD3345168X4/YA3 | 165,1 | 225,425 | 168,275 | | 19,7 | 950 | 1950 | | |
| | FCD3446160 | 170 | 230 | 160 | | 20 | 1210 | 2360 | | |
| | FCD4464210 | 220 | 320 | 210 | | 57,1 | 1900 | 4000 | | |
| | FCD4562225X4/YA3 | 224,88 | 310 | 225 | | 50,4 | 1260 | 3030 | | |
| | FCD5274200/C4YAB | 260 | 370 | 100 | | 73 | 1710 | 4100 | | |
| | FCD5280290/P63YA3 | 260 | 400 | 145 | | 136 | 1800 | 1720 | | |
| | FCD5678275/YA34-1 | 280 | 390 | 275 | | 105 | 2360 | 6650 | | |
| | FCD5680244F3/YAD | 280 | 400 | 244 | | 102 | 2300 | 6000 | | |
| | FCD6084300/HC | 300 | 420 | 300 | | 129 | 3550 | 6800 | | |
| | FCD6084300/YA34 | 300 | 420 | 300 | | 129 | 3550 | 6800 | | |
| | FCD6092350ZWF3/HCYAD | 300 | 460 | 350 | | 226 | 4100 | 10500 | | |
| | FCD6492240ZW/HCC4YA3 | 320 | 460 | 240 | | 141 | 3370 | 7550 | | |
| | FCD6492340/YA3 | 320 | 460 | 340 | | 189 | 3700 | 10000 | | |
| | FCD6496306/HCYA3 | 320 | 480 | 306 | | 197 | 3950 | 8250 | | |
| | FCD6496350F3/HCYA34 | 320 | 480 | 350 | | 230 | 5150 | 10500 | | |
| | FCD6692340 | 330 | 460 | 340 | | 210 | 3550 | 9950 | | |
| | FCD6890250/C3YA4 | 340 | 450 | 250 | | 115 | 2420 | 7250 | | |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# FOUR-ROW

DESIGN OPTIONS:

| | |
|---|---|
| (FC….) | - multirow bearing without rib on inner ring |
| (FCDP….) | - multirow bearing without rib on inner ring with flat trust rings on outer ring |
| (FCD….) | - multirow bearing without rib on double inner ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- brass integral mechanically processed;
- brass compound with separator shields.




**(FC….)** **(FCDP….)** **(FCD….)**

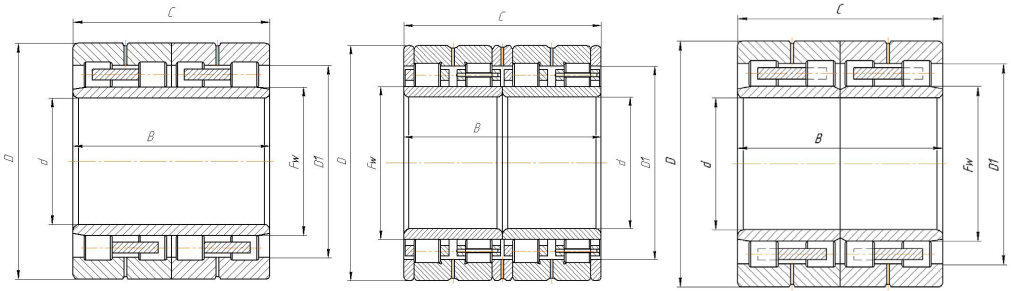
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | FCD6896350 | 340 | 480 | 350 | | 202 | 3750 | 10600 | | |
| | FCD72102370 | 360 | 210 | 370 | | 220 | 4950 | 11400 | | |
| | FCD76108260 | 380 | 540 | 260 | | 198 | 3350 | 8550 | | |
| | FCD76108300 | 380 | 540 | 300 | | 220 | 4650 | 10100 | | |
| | FCD761108400/YA3 | 380 | 540 | 400 | | 297 | 5050 | 14200 | | |
| | FCD76112300 | 380 | 560 | 300 | | 261 | 4950 | 9650 | | |
| | FCD76112325 | 380 | 560 | 325 | | 263 | 4840 | 10000 | | |
| | FCD78108320 | 390 | 540 | 320 | | 228 | 5200 | 12000 | | |
| | FCD80112410 | 400 | 560 | 410 | | 310 | 6250 | 15600 | | |
| | FCD80114440 | 400 | 590 | 440 | | 410 | 7250 | 16500 | | |
| | FCD84116260 | 420 | 580 | 260 | | 205 | 4350 | 9600 | | |
| | FCD84116320 | 420 | 580 | 320 | | 249 | 4680 | 10800 | | |
| | FCD84120440/HC | 420 | 600 | 440 | | 414 | 5550 | 16300 | | |
| | FCD88132340ZW/HCC4YA3 | 440 | 660 | 340 | | 425 | 5100 | 13500 | | |
| | FCD92130355 | 460 | 650 | 355 | | 375 | 6250 | 14500 | | |
| | FCD92130424 | 460 | 650 | 424 | | 452 | 7800 | 18200 | | |
| | FCD92130470 | 460 | 650 | 470 | | 512 | 8750 | 22400 | | |
| | FCD96130450 | 480 | 650 | 450 | | 419 | 7840 | 15400 | | |
| | FCD96136420 | 480 | 680 | 420 | | 510 | 8400 | 19400 | | |
| | FCD96136500/P64YA3 | 480 | 680 | 500 | | 588 | 7100 | 22900 | | |
| | FCD100130260 | 500 | 650 | 260 | | 220 | 4000 | 10000 | | |
| | FCD100132450 | 500 | 670 | 450 | | 455 | 8000 | 21500 | | |
| | FCD100136450 | 500 | 680 | 450 | | 485 | 8200 | 22000 | | |
| | FCD100144530/YA6 | 500 | 720 | 530 | | 729 | 10500 | 28500 | | |
| | FCD100148500X1 | 500 | 738 | 500 | | 732 | 1500 | 23000 | | |
| | FCD102146520 | 510 | 730 | 520 | | 744 | 9480 | 21500 | | |
| | FCD106156500 | 530 | 780 | 500 | | 810 | 9300 | 20500 | | |
| | FCD106156570 | 530 | 780 | 570 | | 954 | 12700 | 32500 | | |
| | FCD110160520/YA6 | 550 | 800 | 520 | | 890 | 11500 | 26000 | | |
| | FCD126160360 | 630 | 800 | 360 | | 560 | 6850 | 19500 | | |
| | FCD126170436 | 630 | 850 | 436 | | 720 | 7450 | 23500 | | |
| | FCD126184515/HC | 630 | 920 | 515 | | 1182 | 13700 | 17160 | | |
| | FCD132164440 | 660 | 820 | 440 | | 532 | 7450 | 22700 | | |
| | FCD132176450 | 660 | 880 | 450 | | 785 | 7500 | 23500 | | |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# FOUR-ROW

DESIGN OPTIONS:

| | |
|---|---|
| (FC….) | - multirow bearing without rib on inner ring |
| (FCDP….) | - multirow bearing without rib on inner ring with flat trust rings on outer ring |
| (FCD….) | - multirow bearing without rib on double inner ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- brass integral mechanically processed;
- brass compound with separator shields.




**(FC….)** **(FCDP….)** **(FCD….)**

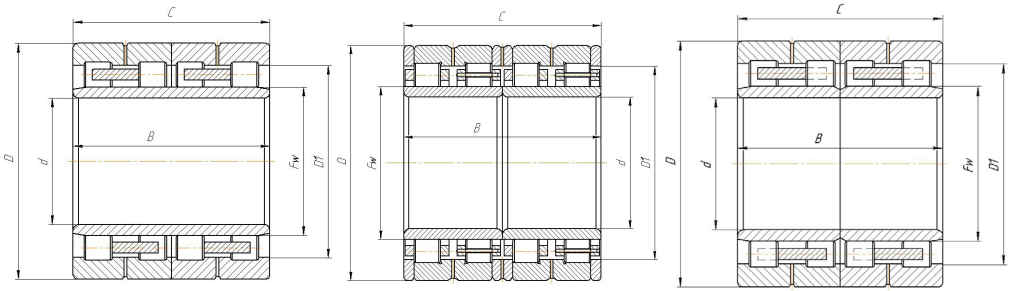
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | FCDP5678275 | 280 | 390 | 275 | | 102 | 2360 | 6650 | | |
| | FCDP70100410 | 350 | 500 | 410 | | 280 | 5800 | 13500 | | |
| | FCDP74104380 | 370 | 520 | 380 | | 296 | 5230 | 12000 | | |
| | FCDP75120440/P63 | 375 | 600 | 440 | | 527 | 5350 | 15600 | | |
| | FCDP82112400 | 410 | 560 | 400 | | 287 | 6400 | 15800 | | |
| | FCDP82120440/HCYA34 | 410 | 600 | 440 | | 445 | 6450 | 18300 | | |
| | FCDP88124450 | 440 | 620 | 450 | | 452 | 7420 | 15800 | | |
| | FCDP88124450/HC | 440 | 620 | 450 | | 436 | 6700 | 21100 | | |
| | FCDP95120368HC/YA3 | 475 | 600 | 368 | | 237 | 5500 | 14700 | | |
| | FCDP96130450/HC | 480 | 650 | 450 | | 430 | 5350 | 1580 | | |
| | FCDP96136500/HCP64 | 480 | 680 | 500 | | 599 | 7980 | 23400 | | |
| | FCDP96136500/P54 | 480 | 680 | 500 | | 599 | 7980 | 23400 | | |
| | FCDP100134450/HCEC9YAD | 500 | 670 | 485 | | 463 | 8400 | 22700 | | |
| | FCDP100142480/YA6 | 500 | 710 | 480 | | 604 | 8780 | 2150 | | |
| | FCDP102136500 | 510 | 680 | 500 | | 525 | 8950 | 26200 | | |
| | FCDP102152550 | 510 | 760 | 550 | | 947 | 12000 | 26500 | | |
| | FCDP106152520 | 530 | 760 | 530 | | 773 | 11500 | 28500 | | |
| | FCDP110148510/YA6 | 550 | 740 | 510 | | 512 | 10000 | 27500 | | |
| | FCDP112160600 | 560 | 800 | 600 | | 1010 | 13000 | 33500 | | |
| | FCDP112164600 | 560 | 820 | 600 | | 1075 | 14200 | 34000 | | |
| | FCDP112164630 | 560 | 820 | 630 | | 1170 | 14400 | 36000 | | |
| | FCDP112164630/HCC4YA3 | 560 | 820 | 315 | | 1164 | 13500 | 36000 | | |
| | FCDP114160514/HCC9YAD | 570 | 800 | 514 | | 835 | 11000 | 29000 | | |
| | FCDP114163594 | 570 | 815 | 594 | | 1010 | 13000 | 35200 | | |
| | FCDP116156486/WB-1 | 580 | 780 | 520 | | 700 | 9900 | 2700 | | |
| | FCDP118164590 | 590 | 820 | 590 | | 990 | 12800 | 35100 | | |
| | FCDP120164575/HCYA6-1 | 600 | 820 | 575 | | 945 | 12300 | 35000 | | |
| | FCDP120174640/HCYA34 | 600 | 870 | 640 | | 1347 | 13200 | 38500 | | |
| | FCDP128176600 | 640 | 880 | 600 | | 1120 | 13500 | 40000 | | |
| | FCDP130180650/HC | 650 | 900 | 650 | | 1275 | 14000 | 42000 | | |
| | FCDP130184670/HCYA3 | 650 | 920 | 670 | | 1460 | 14300 | 44500 | | |
| | FCDP130184690 | 650 | 920 | 690 | | 1490 | 14500 | 45000 | | |
| | FCDP136204680 | 680 | 1020 | 680 | | 2050 | 20000 | 49500 | | |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# FOUR-ROW

DESIGN OPTIONS:

| | |
|---|---|
| (FC….) | - multirow bearing without rib on inner ring |
| (FCDP….) | - multirow bearing without rib on inner ring with flat trust rings on outer ring |
| (FCD….) | - multirow bearing without rib on double inner ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- brass integral mechanically processed;
- brass compound with separator shields.




**(FC….)** **(FCDP….)** **(FCD….)**

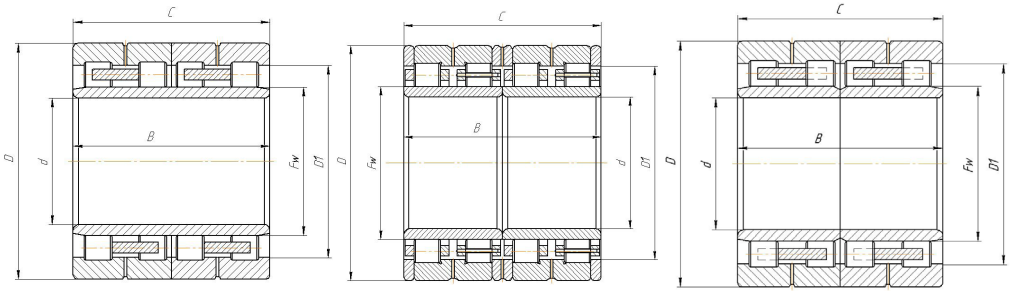
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | FCDP138196715/HCP69YAD | 690 | 980 | 715 | | 1805 | 18800 | 51500 | | |
| | FCDP140186620 | 700 | 930 | 620 | | 1170 | 15000 | 42800 | | |
| | FCDP140196700 | 700 | 980 | 700 | | 1680 | 17500 | 48500 | | |
| | FCDP140200710 | 700 | 1000 | 710 | | 1820 | 19000 | 47500 | | |
| | FCDP142204710 | 710 | 1020 | 710 | | 1940 | 19500 | 49700 | | |
| | FCDP145200700 | 725 | 1000 | 700 | | 1750 | 18000 | 49500 | | |
| | FCDP146192620 | 730 | 960 | 620 | | 1218 | 15400 | 45000 | | |
| | FCDP146206750 | 730 | 1030 | 750 | | 2035 | 20500 | 58500 | | |
| | FCDP150200670/HCC9 | 750 | 1000 | 670 | | 1522 | 17000 | 48500 | | |
| | FCDP150200670/HCC91 | 750 | 1000 | 670 | | 1522 | 17000 | 48500 | | |
| | FCDP150216650/WB | 750 | 1080 | 665 | | 2020 | 19500 | 48000 | | |
| | FCDP150218750 | 750 | 1090 | 750 | | 2410 | 21500 | 51500 | | |
| | FCDP150226670X1 | 750 | 1133 | 670 | | 2450 | 21000 | 50500 | | |
| | FCDP152203700 | 760 | 1015 | 700 | | 1600 | 18500 | 55000 | | |
| | FCDP152206750 | 760 | 1030 | 750 | | 1870 | 21000 | 61200 | | |
| | FCDP152216790 | 760 | 1080 | 790 | | 2420 | 23500 | 65000 | | |
| | FCDP152216790X1 | 760 | 1080 | 805 | | 2450 | 23500 | 65000 | | |
| | FCDP156214780 | 780 | 1070 | 780 | | 2280 | 22000 | 60000 | | |
| | FCDP158203610X1 | 790 | 1015,9 | 610 | | 1280 | 17500 | 50000 | | |
| | FCDP160216700/HC | 800 | 1080 | 700 | | 1850 | 18800 | 48500 | | |
| | FCDP160216750 | 800 | 1080 | 750 | | 2030 | 20000 | 60000 | | |
| | FCDP164226800/HC | 820 | 1130 | 800 | | 2534 | 19700 | 67000 | | |
| | FCDP164232840 | 820 | 1160 | 840 | | 2750 | 21600 | 68500 | | |
| | FCDP166216710/HCC9YA3 | 830 | 1080 | 710 | | 1838 | 14500 | 60500 | | |
| | FCDP168232840 | 840 | 1160 | 840 | | 2730 | 24700 | 70800 | | |
| | FCDP170230840/HC | 850 | 1150 | 840 | | 2560 | 25400 | 76500 | | |
| | FCDP170236650 | 850 | 1180 | 650 | | 2100 | 19000 | 50500 | | |
| | FCDP170236850/HC | 850 | 1180 | 850 | | 2920 | 26100 | 74000 | | |
| | FCDP170236850/WB | 850 | 1180 | 875 | | 2950 | 26100 | 74000 | | |
| | FCDP172228750 | 860 | 1140 | 750 | | 2100 | 20500 | 61000 | | |
| | FCDP172232710/WB | 860 | 1160 | 735 | | 2150 | 21000 | 60000 | | |
| | FCDP176228800 | 880 | 1140 | 80 | | 2210 | 24000 | 76000 | | |
| | FCDP180244840/HC | 900 | 1220 | 840 | | 3050 | 26300 | 80000 | | |
| | FCDP180246870/WB | 900 | 1230 | 895 | | 3150 | 26400 | 80000 | | |

# ROLLER RADIAL BEARINGS
# WITH SHORT CYLINDRICAL ROLLERS
# FOUR-ROW

DESIGN OPTIONS:

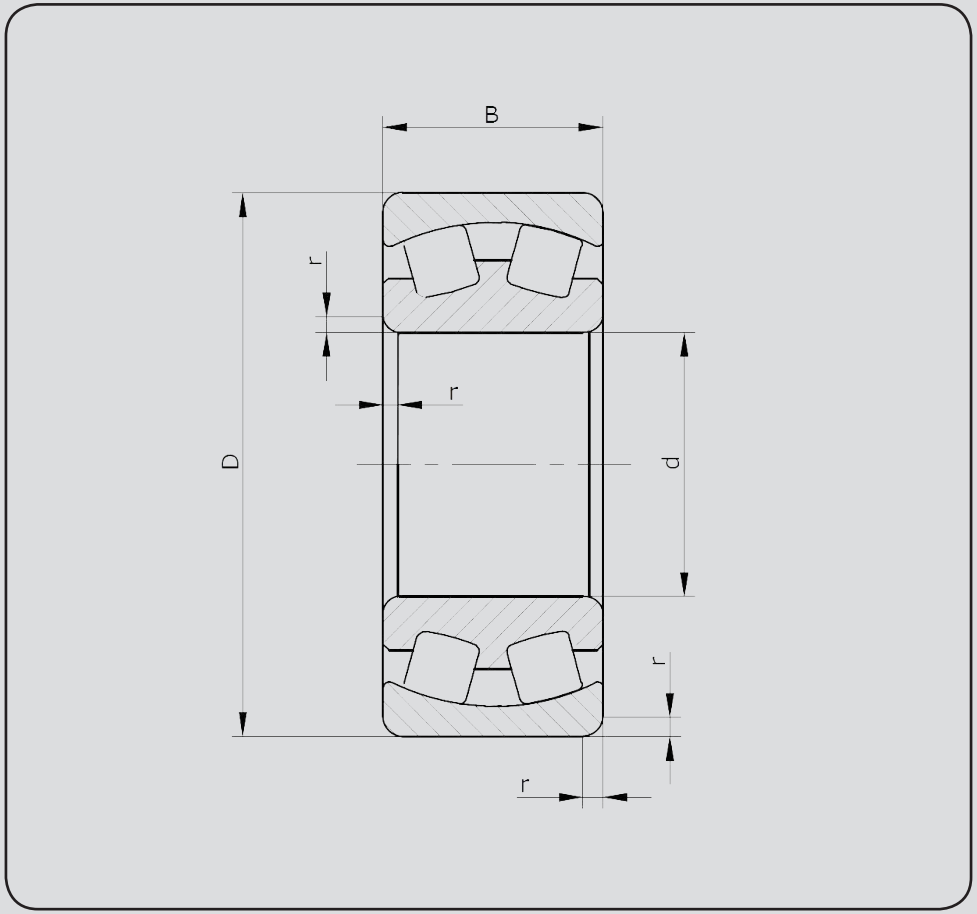
| | |
|---|---|
| (FC….) | - multirow bearing without rib on inner ring |
| (FCDP….) | - multirow bearing without rib on inner ring with flat trust rings on outer ring |
| (FCD….) | - multirow bearing without rib on double inner ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- brass integral mechanically processed;
- brass compound with separator shields.




**(FC….)** **(FCDP….)** **(FCD….)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | FCDP180256780 | 900 | 1280 | 780 | | 3250 | 28500 | 80500 | | |
| | FCDP180256840/WB | 900 | 1280 | 1050 | | 3890 | 28900 | 80500 | | |
| | FCDP180256930/HC | 900 | 1280 | 930 | | 4050 | 32500 | 93500 | | |
| | FCDP184256800/WB | 920 | 1280 | 815 | | 3280 | 28700 | 80000 | | |
| | FCDP184256850/WB | 920 | 1280 | 865 | | 3450 | 27600 | 77500 | | |
| | FCDP184268950/WB | 920 | 1300 | 975 | | 4180 | 32500 | 92500 | | |
| | FCDP190260850/C9HCYA3 | 950 | 1300 | 850 | | 3390 | 32200 | 85000 | | |
| | FCDP1902721000 | 950 | 1360 | 1000 | | 5013 | 37500 | 105000 | | |
| | FCDP190272975 | 950 | 1360 | 975 | | 4895 | 34000 | 100000 | | |
| | FCDP174229685/WB | 970 | 1145 | 705 | | 1990 | 20500 | 63000 | | |
| | FCDP19662880 | 980 | 1310 | 880 | | 3300 | 28500 | 86500 | | |
| | FCDP200272800 | 1000 | 1360 | 800 | | 3560 | 27000 | 82800 | | |
| | FCDP206276850 | 1030 | 1380 | 850 | | 3650 | 29000 | 90500 | | |
| | FCDP2082881000 | 1040 | 1440 | 1000 | | 5090 | 37900 | 93500 | | |
| | FCDP2403181050 | 1200 | 1590 | 1050 | | 5980 | 41800 | 13500 | | |
| | FCDP254320850X1 | 1270 | 1602 | 850 | | 6000 | 42000 | 13600 | | |
| | FCDP2600331880HC/WB | 1300 | 1655 | 890 | | 4800 | 37300 | 122000 | | |
| | FCDP2703531360 | 1350 | 1765 | 1360 | | 9110 | 40000 | 122000 | | |
| | FCDP2703561200 | 1400 | 1780 | 1200 | | 7380 | 52300 | 163000 | | |
| | FCDP2703801360 | 1400 | 1900 | 1360 | | 11300 | 61500 | 182000 | | |
| | FCDP296370110X1 | 1480 | 1849,74 | 1100 | | 7450 | 52500 | 164000 | | |




# ROLLER BEARINGS
# RADIAL SPHERICAL

**(TYPE BEARINGS «3»)**

## ROLLER BEARINGS RADIAL SPHERICAL WITH BOARDS ON THE INNER RACE

WITH THE CYLINDRICAL BORE ..... 272
WITH THE CONICAL BORE ..... 288

## ROLLER BEARINGS RADIAL SPHERICAL WITH BOARDS ON THE INNER RACE AND THE CONICAL BORE

ON THE FIXING BARREL ..... 306
ON THE COUPLING BARREL ..... 308

## ROLLER BEARINGS RADIAL SPHERICAL WITH THE FLAT-BED INNER RACE

WITH THE CYLINDRICAL BORE ..... 310
WITH THE CONICAL BORE ..... 322

## ROLLER BEARINGS RADIAL SPHERICAL WITH THE FLAT-BED INNER RACE AND THE CONICAL BORE

ON THE FIXING BARREL ..... 334
ON THE COUPLING BARREL ..... 338

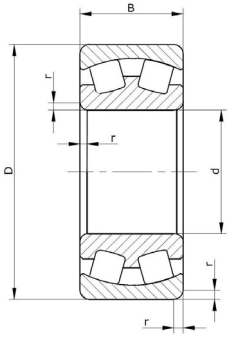
## ROLLER BEARINGS RADIAL SPHERICAL SINGLE-ROW

WITH THE CYLINDRICAL BORE ..... 342
WITH THE CONICAL BORE ..... 346
TOROIDAL (CARB) ..... 350

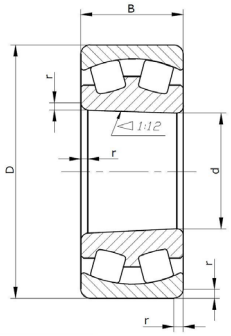
DESIGN OPTIONS:

| | | |
|---|---|---|
| 3 000 | (2….CA; CAC) | - double-row with boards on the inner race with the cylindrical bore |
| 113 000 | (2….CAK) | - double-row with boards on the inner race with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA);
- made of ferrous metals (CAF);
- edge brass of two semiseparators for bearings with an average board on inner race;




**3 000 (2….CA; CAC)**



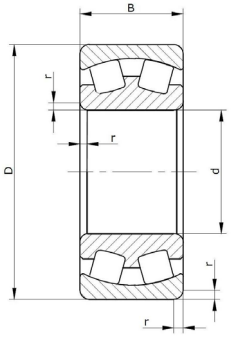

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3505 | 22205 CA | 25 | 52 | 18 | | 0,18 | 43,1 | 44 | 8500 | 11000 |
| 3506 | 22206 CA | 30 | 62 | 20 | | 0,29 | 45,9 | 52 | 7500 | 9500 |
| 3507 | 22207 CA | 35 | 72 | 23 | | 0,43 | 67,3 | 73,5 | 6300 | 8000 |
| 3508 | 22208 CA | 40 | 80 | 23 | | 0,58 | 77,5 | 88,5 | 6000 | 7500 |
| 3509 | 22209 CA | 45 | 85 | 23 | | 0,6 | 88,6 | 95 | 5300 | 6700 |
| 3510 | 22210 CA | 50 | 90 | 23 | | 0,65 | 78,1 | 95 | 5000 | 6300 |
| 3511 | 22211 CA | 55 | 100 | 25 | | 0,88 | 106 | 126 | 4500 | 5600 |
| 3512 | 22212 CA | 60 | 110 | 28 | | 1,2 | 126 | 154 | 4000 | 5000 |
| 3513 | 22213 CA | 65 | 120 | 31 | | 1,59 | 149 | 193 | 3800 | 4800 |
| 3514 | 22214 CA | 70 | 125 | 31 | | 1,67 | 155 | 205 | 3600 | 4500 |
| 3515 | 22215 CA | 75 | 130 | 31 | | 1,76 | 153 | 208 | 3400 | 4300 |
| 3516 | 22216 CA | 80 | 140 | 33 | | 2,2 | 165 | 225 | 3200 | 4000 |
| 3517 | 22217 CA | 85 | 150 | 36 | | 2,8 | 193 | 254 | 2800 | 3600 |
| 3518 | 22218 CA | 90 | 160 | 40 | | 3,55 | 246 | 329 | 2600 | 3400 |
| 3519 | 22219 CA | 95 | 170 | 43 | | 4,31 | 315 | 400 | 2400 | 3200 |
| 3520 | 22220 CA | 100 | 180 | 46 | | 5,2 | 327 | 438 | 2200 | 3000 |
| 3522 | 22222 CA | 110 | 200 | 53 | | 7,5 | 411 | 553 | 2000 | 2800 |
| 3524 | 22224 CA | 120 | 215 | 58 | | 9,3 | 569 | 809 | 1900 | 2600 |
| 3526 | 22226 CA | 130 | 230 | 64 | | 11,7 | 570 | 809 | 1800 | 2400 |
| 3528 | 22228 CA | 140 | 250 | 68 | | 15 | 660 | 924 | 1600 | 2000 |
| 3530 | 22230 CA | 150 | 270 | 73 | | 18,5 | 730 | 1040 | 1500 | 1900 |
| 3532 | 22232 CA | 160 | 290 | 80 | | 23,4 | 868 | 1243 | 1400 | 1800 |
| 3534 | 22234 CA | 170 | 310 | 86 | | 29 | 852 | 1196 | 1300 | 1700 |
| 3536 | 22236 CA | 180 | 320 | 86 | | 30,5 | 889 | 1282 | 1200 | 1600 |
| 3538 | 22238 CA | 190 | 340 | 92 | | 37,4 | 1089 | 1669 | 1200 | 1600 |
| 3540 | 22240 CA | 200 | 360 | 98 | | 45 | 1270 | 2016 | 1100 | 1400 |
| 3544 | 22244 CA | 220 | 400 | 108 | | 63 | 1599 | 2472 | 950 | 1300 |
| 3548 | 22248 CA | 240 | 440 | 120 | | 85 | 1843 | 2968 | 800 | 1100 |
| 3552 | 22252 CA | 260 | 480 | 130 | | 110 | 2055 | 3311 | 750 | 1000 |
| 3556 | 22256 CA | 280 | 500 | 130 | | 114 | 2139 | 3519 | 700 | 950 |
| 3560 | 22260 CA | 300 | 540 | 140 | | 145 | 2620 | 4300 | 560 | 750 |
| 3564 | 22264 CA | 320 | 580 | 150 | | 177 | 3105 | 5097 | 500 | 750 |
| 3568 | 22268 CA | 340 | 620 | 165 | | 210 | - | - | - | - |
| 3572 | 22272 CA | 360 | 650 | 170 | | 256 | 3630 | 6200 | 380 | 480 |

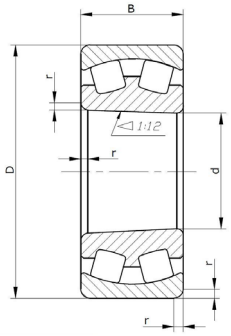
DESIGN OPTIONS:

| | | |
|---|---|---|
| 3 000 | (2….CA; CAC) | - double-row with boards on the inner race with the cylindrical bore |
| 113 000 | (2….CAK) | - double-row with boards on the inner race with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA);
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**3 000 (2….CA; CAC)**



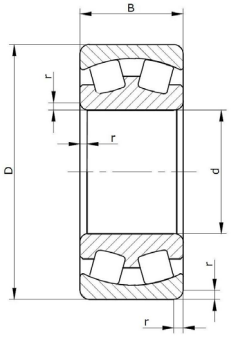

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3576 | 22276 CA | 380 | 680 | 175 | | 296 | - | - | - | - |
| 3580 | 22280 CA | 400 | 720 | 185 | | 338 | 3650 | 3500 | 340 | 430 |
| | | | | | | | | | | |
| 3608 | 22308 CA | 40 | 90 | 33 | | 1,03 | 116 | 130 | 4500 | 5600 |
| 3609 | 22309 CA | 45 | 100 | 36 | | 1,4 | 140 | 168 | 3800 | 4800 |
| 3610 | 22310 CA | 50 | 110 | 40 | | 1,9 | 173 | 208 | 3400 | 4300 |
| 3611 | 22311 CA | 55 | 120 | 43 | | 2,4 | 193 | 230 | 3200 | 4000 |
| 3612 | 22312 CA | 60 | 130 | 46 | | 3,1 | 233 | 284 | 3000 | 3800 |
| 3613 | 22313 CA | 65 | 140 | 48 | | 3,7 | 262 | 325 | 2600 | 3400 |
| 3614 | 22314 CA | 70 | 150 | 51 | | 4,35 | 330 | 360 | 2400 | 3200 |
| 3615 | 22315 CA | 75 | 160 | 55 | | 5,4 | 330 | 420 | 2200 | 3000 |
| 3616 | 22316 CA | 80 | 170 | 58 | | 6,6 | 380 | 495 | 2000 | 2800 |
| 3617 | 22317 CA | 85 | 180 | 60 | | 7,4 | 391 | 505 | 1900 | 2600 |
| 3618 | 22318 CA | 90 | 190 | 64 | | 9,3 | 462 | 625 | 1800 | 2400 |
| 3619 | 22319 CA | 95 | 200 | 67 | | 10,3 | 512 | 685 | 1800 | 2400 |
| 3620 | 22320 CA | 100 | 215 | 73 | | 13 | 594 | 815 | 1700 | 2200 |
| 3622 | 22322 CA | 110 | 240 | 80 | | 18,2 | 693 | 955 | 1600 | 2000 |
| 3624 | 22324 CA | 120 | 260 | 86 | | 24 | 1100 | 1400 | 1400 | 1800 |
| 3626 | 22326 CA | 130 | 280 | 93 | | 28,6 | 1300 | 1300 | 1300 | 1700 |
| 3628 | 22328 CA | 140 | 300 | 102 | | 36,2 | 1330 | 1950 | 1200 | 1600 |
| 3630 | 22330 CA | 150 | 320 | 108 | | 43,6 | 1230 | 1810 | 1000 | 1400 |
| 3632 | 22332 CA | 160 | 340 | 114 | | 51,9 | 1370 | 1916 | 950 | 1300 |
| 3634 | 22334 CA | 170 | 360 | 120 | | 62 | 1450 | 2120 | 950 | 1300 |
| 3636 | 22336 CA | 180 | 380 | 126 | | 71,4 | 1620 | 2400 | 900 | 1200 |
| 3638 | 22338 CA | 190 | 400 | 132 | | 84,1 | 1800 | 2630 | 850 | 1100 |
| 3640 | 22340 CA | 200 | 420 | 138 | | 95,4 | 1910 | 2860 | 850 | 1100 |
| 3644 | 22344 CA | 220 | 460 | 145 | | 128 | 2370 | 3450 | 750 | 950 |
| 3648 | 22348 CA | 240 | 500 | 155 | | 157 | 2740 | 3990 | 650 | 800 |
| 3652 | 22352 CA | 260 | 540 | 165 | | 185 | 3080 | 4750 | 630 | 800 |
| 3656 | 22356 CA | 280 | 580 | 175 | | 221 | 3394 | 5685 | 600 | 750 |
| 3664 | 22364 CA | 320 | 670 | 200 | | - | - | - | - | - |
| 3672 | 22372 CA | 360 | 750 | 224 | | - | - | - | - | - |
| 3680 | 22380 CA | 400 | 820 | 243 | | - | - | - | - | - |
| | | | | | | | | | | |

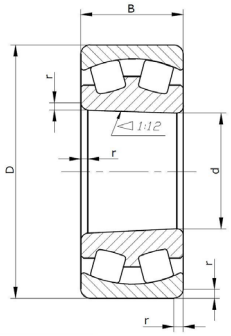
DESIGN OPTIONS:

| | | |
|---|---|---|
| 3 000 | (2….CA; CAC) | - double-row with boards on the inner race with the cylindrical bore |
| 113 000 | (2….CAK) | - double-row with boards on the inner race with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA);
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- edge brass of two semiseparators for bearings with an average board on inner race;




**3 000 (2….CA; CAC)**



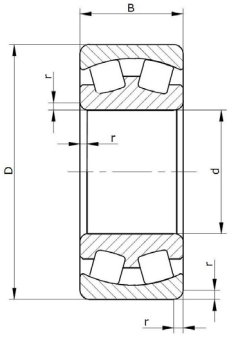

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3738 | - | 190 | 280 | 67 | | 15 | 608 | 1164 | 950 | 1300 |
| 3744 | - | 220 | 365 | 120 | | 53,2 | 1070 | 1440 | 630 | 800 |
| 3746 | - | 230 | 380 | 120 | | 57,2 | 1532 | 2653 | 700 | 900 |
| 3756 | - | 280 | 410 | 98 | | 46,9 | 940 | 1300 | 630 | 800 |
| 3760 | - | 300 | 440 | 105 | | 58,2 | 1400 | 1520 | 500 | 630 |
| 3768 | - | 340 | 500 | 120 | | 82,3 | 1430 | 1970 | 400 | 500 |
| 37/680 | - | 680 | 920 | 153 | | 323 | 2810 | 4690 | 200 | 250 |
| 37/1320 | - | 1320 | 1720 | 350 | | 2183 | 14706 | 41155 | 90 | 130 |
| | | | | | | | | | | |
| 3844 | - | 220 | 320 | 76 | | 20,7 | 586 | 779 | 800 | 1000 |
| 3850 | - | 250 | 365 | 84 | | 31,3 | 747 | 1010 | 630 | 800 |
| 3880 | - | 400 | 590 | 142 | | 140 | 1840 | 2780 | 400 | 500 |
| | | | | | | | | | | |
| 3934 | - | 170 | 290 | 88 | | 25,7 | 857 | 1460 | 950 | 1300 |
| 3948 | - | 239,85 | 395 | 124 | | 50 | 1568 | 2738 | 750 | 950 |
| 3980 | - | 400 | 670 | 216 | | 343,9 | 3140 | 4410 | 315 | 400 |
| | | | | | | | | | | |
| 3003117 | 23017 CA | 85 | 130 | 34 | | 2 | - | - | - | - |
| 3003118 | 23018 CA | 90 | 140 | 37 | | 2,2 | - | - | - | - |
| 3003120 | 23020 CA | 100 | 150 | 37 | | 2,35 | - | - | - | - |
| 3003122 | 23022 CA | 110 | 170 | 45 | | 3,87 | - | - | - | - |
| 3003124 | 23024 CA | 120 | 180 | 46 | | 4,5 | 355 | 500 | 2000 | 2800 |
| 3003126 | 23026 CA | 130 | 200 | 52 | | 6,37 | 430 | 610 | 1900 | 2600 |
| 3003128 | 23028 CA | 140 | 210 | 53 | | 6,87 | 465 | 680 | 1800 | 2400 |
| 3003130 | 23030 CA | 150 | 225 | 56 | | 8,25 | 510 | 750 | 1700 | 2200 |
| 3003132 | 23032 CA | 160 | 240 | 60 | | 10,3 | 585 | 880 | 1700 | 2200 |
| 3003134 | 23034 CA | 170 | 260 | 67 | | 13,4 | 710 | 1060 | 1600 | 2000 |
| 3003136 | 23036 CA | 180 | 280 | 74 | | 17,6 | 830 | 1250 | 1400 | 1800 |
| 3003138 | 23038 CA | 190 | 290 | 75 | | 18,8 | 865 | 1340 | 1300 | 1700 |
| 3003140 | 23040 CA | 200 | 310 | 82 | | 24,1 | 1000 | 1530 | 1200 | 1600 |
| 3003144 | 23044 CA | 220 | 340 | 90 | | 31,5 | 1220 | 1860 | 1100 | 1500 |
| 3003148 | 23048 CA | 240 | 360 | 92 | | 35,5 | 1290 | 2080 | 1000 | 1400 |
| 3003152 | 23052 CA | 260 | 400 | 104 | | 50,7 | 1600 | 2550 | 900 | 1200 |
| 3003156 | 23056 CA | 280 | 420 | 106 | | 54,5 | 1730 | 2850 | 850 | 1100 |

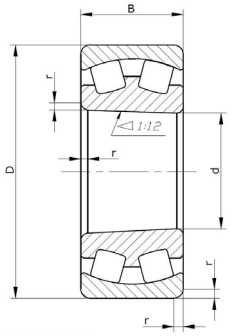
DESIGN OPTIONS:

| | | |
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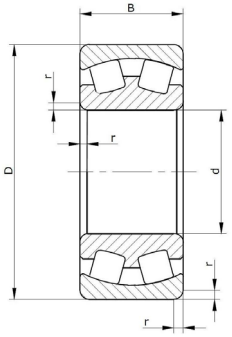

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3003160 | 23060 CA | 300 | 460 | 118 | | 75,8 | 2120 | 3450 | 800 | 1000 |
| 3003164 | 23064 CA | 320 | 480 | 121 | | 81,2 | 2240 | 3800 | 800 | 1000 |
| 3003168 | 23068 CA | 340 | 520 | 133 | | 109 | 2360 | 4550 | 700 | 900 |
| 3003172 | 23072 CA | 360 | 540 | 134 | | 115 | 2750 | 4800 | 670 | 850 |
| 3003176 | 23076 CA | 380 | 560 | 135 | | 122 | 2900 | 5000 | 630 | 800 |
| 3003180 | 23080 CA | 400 | 600 | 148 | | 155 | 3050 | 6200 | 600 | 750 |
| 3003184 | 23084 CA | 420 | 620 | 150 | | 164 | 3150 | 6550 | 450 | 560 |
| 3003188 | 23088 CA | 440 | 650 | 157 | | 188 | 3400 | 7100 | 430 | 530 |
| 3003192 | 23092 CA | 460 | 680 | 163 | | 216 | 3650 | 7650 | 400 | 500 |
| 3003196 | 23096 CA | 480 | 700 | 165 | | 230 | 3800 | 8150 | 380 | 480 |
| 30031/500 | 230/500 CA | 500 | 720 | 167 | | 235 | 3470 | 7650 | 380 | 480 |
| 30031/530 | 230/530 CA | 530 | 780 | 185 | | 303 | 4290 | 9650 | 340 | 430 |
| 30031/560 | 230/560 CA | 560 | 820 | 195 | | 383 | 4950 | 10500 | 320 | 410 |
| 30031/600 | 230/600 CA | 600 | 870 | 200 | | 405 | 5170 | 11600 | 300 | 380 |
| 30031/630 | 230/630 CA | 630 | 920 | 212 | | 495 | 5670 | 12800 | 260 | 340 |
| 30031/670 | 230/670 CA | 670 | 980 | 230 | | 618 | 6900 | 15000 | 240 | 310 |
| 30031/710 | 230/710 CA | 710 | 1030 | 236 | | 665 | 6350 | 16200 | 220 | 300 |
| 30031/750 | 230/750 CA | 750 | 1090 | 250 | | 790 | 7000 | 17900 | 200 | 280 |
| 30031/800 | 230/800 CA | 800 | 1150 | 258 | | 900 | 8090 | 19100 | 170 | 220 |
| 30031/850 | 230/850 CA | 850 | 1220 | 272 | | 1070 | 8450 | 22500 | 180 | 240 |
| 30031/900 | 230/900 CA | 900 | 1280 | 280 | | 1180 | 10200 | 23500 | 160 | 210 |
| 30031/950 | 230/950 CA | 950 | 1360 | 300 | | 1440 | 11000 | 26800 | 150 | 210 |
| 30031/1000 | 230/1000 CA | 1000 | 1420 | 308 | | 1590 | 12700 | 30500 | 130 | 175 |
| 30031/1060 | 230/1060 CA | 1060 | 1500 | 325 | | 1870 | 13500 | 33000 | 125 | 160 |
| 30031/1120 | 230/1120 CA | 1120 | 1580 | 345 | | 2190 | 15000 | 38100 | 90 | 125 |
| 30031/1250 | 230/1250 CA | 1250 | 1750 | 375 | | 2760 | 17500 | 44800 | 95 | 125 |
| | | | | | | | | | | |
| 3003218 | 23218 CA | 90 | 160 | 52,4 | | 4,7 | 375 | 510 | 2200 | 3000 |
| 3003220 | 23220 CA | 100 | 180 | 60,3 | | 6,9 | 465 | 655 | 1900 | 2600 |
| 3003222 | 23222 CA | 110 | 200 | 69,8 | | 9,9 | 600 | 850 | 1700 | 2200 |
| 3003224 | 23224 CA | 120 | 215 | 76 | | 12,3 | 680 | 1000 | 1600 | 2000 |
| 3003226 | 23226 CA | 130 | 230 | 80 | | 14,6 | 765 | 1140 | 1500 | 1900 |
| 3003228 | 23228 CA | 140 | 250 | 88 | | 19,2 | 915 | 1370 | 1370 | 1700 |
| 3003230 | 23230 CA | 150 | 270 | 96 | | 24,6 | 1080 | 1630 | 1200 | 1600 |

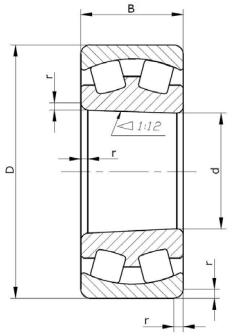
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| | | |
|---|---|---|
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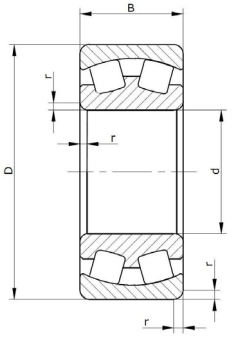

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3003232 | 23232 CA | 160 | 290 | 104 | | 31 | 1220 | 1900 | 1200 | 1600 |
| 3003234 | 23234 CA | 170 | 310 | 110 | | 37,7 | 1370 | 2120 | 1100 | 1500 |
| 3003236 | 23236 CA | 180 | 320 | 112 | | 39,8 | 1430 | 2320 | 1100 | 1500 |
| 3003238 | 23238 CA | 190 | 340 | 120 | | 48,5 | 1560 | 2600 | 900 | 1200 |
| 3003240 | 23240 CA | 200 | 360 | 128 | | 58,4 | 1660 | 2750 | 850 | 1100 |
| 3003244 | 23244 CA | 220 | 400 | 144 | | 82 | 2040 | 3450 | 800 | 1000 |
| 3003248 | 23248 CA | 240 | 440 | 160 | | 111 | 2450 | 4250 | 700 | 900 |
| 3003252 | 23252 CA | 260 | 480 | 174 | | 144 | 2900 | 4900 | 630 | 800 |
| 3003256 | 23256 CA | 280 | 500 | 176 | | 154 | 3000 | 5300 | 600 | 750 |
| 3003260 | 23260 CA | 300 | 540 | 192 | | 198 | 3450 | 6200 | 560 | 700 |
| 3003264 | 23264 CA | 320 | 580 | 208 | | 249 | 3900 | 6950 | 530 | 670 |
| 3003268 | 23268 CA | 340 | 620 | 224 | | 310 | 4500 | 8150 | 480 | 600 |
| 3003272 | 23272 CA | 360 | 650 | 232 | | 344 | 4900 | 9150 | 450 | 560 |
| 3003276 | 23276 CA | 380 | 680 | 240 | | 390 | 5300 | 9800 | 430 | 530 |
| 3003280 | 23280 CA | 400 | 720 | 256 | | 464 | 5700 | 10800 | 400 | 500 |
| 3003284 | 23284 CA | 420 | 760 | 272 | | 550 | 6550 | 12200 | 380 | 480 |
| 3003288 | 23288 CA | 440 | 790 | 280 | | 610 | 7100 | 13400 | 360 | 450 |
| 3003292 | 23292 CA | 460 | 830 | 296 | | 715 | 7800 | 15000 | 340 | 430 |
| 3003296 | 23296 CA | 480 | 870 | 310 | | 830 | 8800 | 17000 | 340 | 430 |
| 30032/500 | 232/500 CA | 500 | 920 | 336 | | 1020 | 9460 | 18600 | 280 | 360 |
| 30032/530 | 232/530 CA | 530 | 980 | 355 | | 1230 | 10300 | 20300 | 210 | 290 |
| | | | | | | | | | | |
| 3003720 | 23120 CA | 100 | 165 | 52 | | 4,37 | 375 | 560 | 2200 | 3000 |
| 3003722 | 23122 CA | 110 | 180 | 56 | | 5,51 | 440 | 670 | 2000 | 2800 |
| 3003724 | 23124 CA | 120 | 200 | 62 | | 7,66 | 530 | 780 | 1800 | 2400 |
| 3003726 | 23126 CA | 130 | 210 | 64 | | 4,45 | 570 | 865 | 1700 | 2200 |
| 3003728 | 23128 CA | 140 | 225 | 68 | | 10,8 | 640 | 1000 | 1600 | 2000 |
| 3003730 | 23130 CA | 150 | 250 | 80 | | 15,7 | 850 | 1320 | 1400 | 1800 |
| 3003732 | 23132 CA | 160 | 270 | 86 | | 20,8 | 980 | 1530 | 1300 | 1700 |
| 3003734 | 23134 CA | 170 | 280 | 88 | | 22,4 | 1020 | 1660 | 1300 | 1700 |
| 3003736 | 23136 CA | 180 | 300 | 96 | | 28,4 | 1200 | 1930 | 1200 | 1600 |
| 3003738 | 23138 CA | 190 | 320 | 104 | | 35,5 | 1340 | 2200 | 1100 | 1500 |
| 3003740 | 23140 CA | 200 | 340 | 112 | | 43,7 | 1320 | 2280 | 900 | 1200 |
| 3003744 | 23144 CA | 220 | 370 | 120 | | 54,8 | 1630 | 2900 | 800 | 1000 |

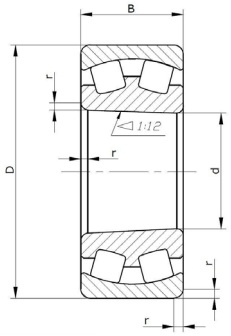
DESIGN OPTIONS:

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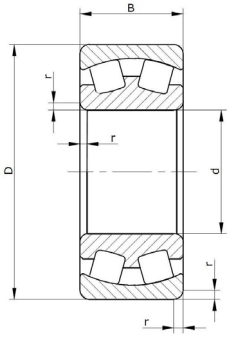

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3003748 | 23148 CA | 240 | 400 | 128 | | 67,6 | 1860 | 3250 | 750 | 950 |
| 3003752 | 23152 CA | 260 | 440 | 144 | | 93,6 | 2200 | 4000 | 670 | 850 |
| 3003756 | 23156 CA | 280 | 460 | 146 | | 100 | 2360 | 4400 | 630 | 800 |
| 3003760 | 23160 CA | 300 | 500 | 160 | | 132 | 2650 | 4900 | 600 | 750 |
| 3003764 | 23164 CA | 320 | 540 | 176 | | 171 | 3200 | 6000 | 530 | 670 |
| 3003768 | 23168 CA | 340 | 580 | 190 | | 216 | 3650 | 6950 | 500 | 630 |
| 3003772 | 23172 CA | 360 | 600 | 192 | | 228 | 3800 | 7350 | 480 | 600 |
| 3003776 | 23176 CA | 380 | 620 | 194 | | 240 | 4050 | 8150 | 450 | 560 |
| 3003780 | 23180 CA | 400 | 650 | 200 | | 273 | 4250 | 8500 | 430 | 530 |
| 3003784 | 23184 CA | 420 | 700 | 224 | | 363 | 5000 | 9650 | 400 | 500 |
| 3003788 | 23188 CA | 440 | 720 | 226 | | 378 | 5200 | 10400 | 400 | 500 |
| 3003792 | 23192 CA | 460 | 760 | 240 | | 450 | 5850 | 11600 | 360 | 450 |
| 3003796 | 23196 CA | 480 | 790 | 248 | | 503 | 6300 | 12700 | 360 | 450 |
| 30037/500 | 231/500 CA | 500 | 830 | 264 | | 595 | 6100 | 13800 | 320 | 400 |
| 30037/530 | 231/530 CA | 530 | 870 | 272 | | 665 | 8100 | 13200 | 260 | 340 |
| 30037/560 | 231/560 CA | 560 | 920 | 280 | | 703 | 7590 | 15700 | 240 | 320 |
| 30037/600 | 231/600 CA | 600 | 980 | 300 | | 921 | 8900 | 18800 | 180 | 250 |
| 30037/630 | 231/630 CA | 630 | 1030 | 315 | | 1050 | 10000 | 21000 | 180 | 250 |
| 30037/670 | 231/670 CA | 670 | 1090 | 336 | | 1250 | 11000 | 22500 | 175 | 240 |
| 30037/710 | 231/710 CA | 710 | 1150 | 345 | | 1420 | 12000 | 25800 | 170 | 220 |
| 30037/750 | 231/750 CA | 750 | 1220 | 365 | | 1690 | 13500 | 28800 | 160 | 210 |
| 30037/800 | 231/800 CA | 800 | 1280 | 375 | | 1870 | 14500 | 31000 | 150 | 190 |
| 30037/850 | 231/850 CA | 850 | 1360 | 400 | | 2250 | 16000 | 34200 | 130 | 170 |
| 30037/900 | 231/900 CA | 900 | 1420 | 412 | | 2480 | - | - | - | - |
| | | | | | | | | | | |
| 4003124 | 24024 CA | 120 | 180 | 60 | | 5,4 | 360 | 660 | 1600 | 2000 |
| 4003126 | 24026 CA | 130 | 200 | 69 | | 7,95 | 570 | 1020 | 1400 | 1800 |
| 4003128 | 24028 CA | 140 | 210 | 69 | | 8,45 | 600 | 1080 | 1400 | 1800 |
| 4003130 | 24030 CA | 150 | 225 | 75 | | 10,5 | 680 | 1250 | 1300 | 1700 |
| 4003132 | 24032 CA | 160 | 240 | 80 | | 13 | 627 | 1210 | 1100 | 1500 |
| 4003134 | 24034 CA | 170 | 260 | 90 | | 17,5 | 776 | 1500 | 1000 | 1400 |
| 4003136 | 24036 CA | 180 | 280 | 100 | | 23 | 919 | 1750 | 950 | 1300 |
| 4003138 | 24038 CA | 190 | 290 | 100 | | 24 | 1040 | 1960 | 900 | 1200 |
| 4003140 | 24040 CA | 200 | 310 | 109 | | 30,5 | 1200 | 2260 | 850 | 1100 |

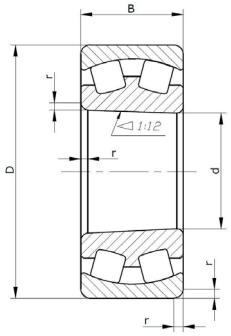
DESIGN OPTIONS:

| | | |
|---|---|---|
| 3 000 | (2….CA; CAC) | - double-row with boards on the inner race with the cylindrical bore |
| 113 000 | (2….CAK) | - double-row with boards on the inner race with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA);
- made of ferrous metals (CAF);
- edge brass of two semiseparators for bearings with an average board on inner race;




**3 000 (2….CA; CAC)**



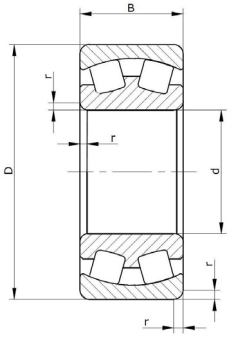

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4003144 | 24044 CA | 220 | 340 | 118 | | 39,5 | 1400 | 2700 | 750 | 950 |
| 4003148 | 24048 CA | 240 | 360 | 118 | | 42,5 | 1500 | 2900 | 700 | 900 |
| 4003152 | 24052 CA | 260 | 400 | 140 | | 64,5 | 1900 | 3600 | 630 | 800 |
| 4003156 | 24056 CA | 280 | 420 | 140 | | 68,5 | 2000 | 4000 | 600 | 750 |
| 4003160 | 24060 CA | 300 | 460 | 160 | | 97 | 2500 | 5200 | 560 | 700 |
| 4003164 | 24064 CA | 320 | 480 | 160 | | 100 | 2600 | 5400 | 530 | 670 |
| 4003168 | 24068 CA | 340 | 520 | 180 | | 140 | 3100 | 6550 | 480 | 600 |
| 4003172 | 24072 CA | 360 | 540 | 180 | | 145 | 3250 | 6800 | 450 | 560 |
| 4003176 | 24076 CA | 380 | 560 | 180 | | 150 | 3350 | 7200 | 430 | 530 |
| 4003180 | 24080 CA | 400 | 600 | 200 | | 195 | 3900 | 8500 | 400 | 500 |
| 4003184 | 24084 CA | 420 | 620 | 200 | | 202 | 4000 | 8800 | 380 | 480 |
| 4003188 | 24088 CA | 440 | 650 | 212 | | 236 | 4300 | 9650 | 360 | 450 |
| 4003192 | 24092 CA | 460 | 680 | 218 | | 266 | 4750 | 10600 | 360 | 450 |
| 4003196 | 24096 CA | 480 | 700 | 218 | | 276 | 4900 | 11200 | 340 | 430 |
| 40031/500 | 240/500 CA | 500 | 720 | 218 | | 285 | 4100 | 5700 | 420 | 520 |
| 40031/530 | 240/530 CA | 530 | 780 | 250 | | 395 | 5150 | 7100 | 280 | 360 |
| 40031/560 | 240/560 CA | 560 | 820 | 258 | | 471 | 5700 | 13200 | 220 | 300 |
| 40031/600 | 240/600 CA | 600 | 870 | 272 | | 560 | 8100 | 16500 | 220 | 300 |
| 40031/630 | 240/630 CA | 630 | 920 | 290 | | 661 | 7350 | 17100 | 220 | 300 |
| 40031/670 | 240/670 CA | 670 | 980 | 308 | | 807 | 9500 | 20000 | 190 | 270 |
| 40031/710 | 240/710 CA | 710 | 1030 | 315 | | 910 | 9300 | 22500 | 180 | 250 |
| 40031/750 | 240/750 CA | 750 | 1090 | 335 | | 1100 | 10000 | 24800 | 170 | 220 |
| 40031/800 | 240/80 CA | 800 | 1150 | 345 | | 1092 | 10300 | 24600 | 170 | 220 |
| 40031/850 | 240/850 CA | 850 | 1220 | 365 | | 1410 | 10400 | 29700 | 160 | 200 |
| 40031/900 | 240/900 CA | 900 | 1280 | 375 | | 1600 | 13000 | 34200 | 140 | 190 |
| 40031/950 | 240/950 CA | 950 | 1360 | 412 | | 2100 | 15000 | 38500 | 125 | 160 |
| 40031/1000 | 240/1000 CA | 1000 | 1420 | 412 | | 2130 | 15200 | 40500 | 110 | 150 |
| 40031/1060 | 240/1060 CA | 1060 | 1500 | 438 | | 2530 | 17000 | 46000 | 100 | 145 |
| 40031/1120 | 240/1120 CA | 1120 | 1580 | 462 | | 2850 | 18100 | 49500 | 90 | 125 |
| 40031/1180 | 240/1180 CA | 1180 | 1660 | 475 | | 3150 | 17800 | 28700 | 110 | 150 |
| 40031/1250 | 240/1250 CA | 1250 | 1750 | 500 | | 3650 | 19800 | 32500 | - | - |
| 40031/1320 | 240/1320 CA | 1320 | 1850 | 530 | | 4540 | 23200 | 63300 | 70 | 85 |
| 40031/1400 | 240/1400 CA | 1400 | 1950 | 545 | | 4900 | 23100 | 40000 | - | - |

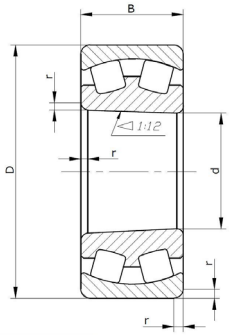
DESIGN OPTIONS:

| | | |
|---|---|---|
| 3 000 | (2….CA; CAC) | - double-row with boards on the inner race with the cylindrical bore |
| 113 000 | (2….CAK) | - double-row with boards on the inner race with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA);
- made of ferrous metals (CAF);
- edge brass of two semiseparators for bearings with an average board on inner race;




**3 000 (2….CA; CAC)**



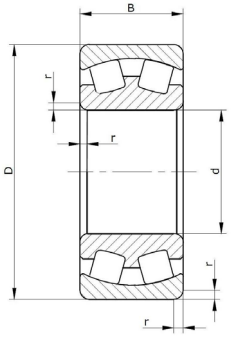

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4003722 | 24122 CA | 110 | 180 | 69 | | 6,85 | 468 | 750 | 1000 | 1400 |
| 4003724 | 24124 CA | 120 | 200 | 80 | | 10 | 495 | 925 | 900 | 1200 |
| 4003726 | 24126 CA | 130 | 210 | 80 | | 11 | 980 | 1700 | 870 | 1200 |
| 4003728 | 24128 CA | 140 | 225 | 85 | | 13 | 638 | 1150 | 850 | 1100 |
| 4003730 | 24130 CA | 150 | 250 | 100 | | 19,5 | 864 | 1400 | 800 | 1000 |
| 4003732 | 24132 CA | 160 | 270 | 109 | | 25 | 952 | 1690 | 700 | 900 |
| 4003734 | 24134 CA | 170 | 280 | 109 | | 26,5 | 1010 | 1830 | 670 | 850 |
| 4003736 | 24136 CA | 180 | 300 | 118 | | 33,5 | 1120 | 2030 | 630 | 800 |
| 4003738 | 24138 CA | 190 | 320 | 128 | | 42 | 1320 | 2400 | 600 | 750 |
| 4003740 | 24140 CA | 200 | 340 | 140 | | 52 | 1520 | 2800 | 560 | 700 |
| 4003744 | 24144 CA | 220 | 370 | 150 | | 65 | 1800 | 3410 | 500 | 630 |
| 4003748 | 24148 CA | 240 | 400 | 160 | | 80,5 | 2010 | 3400 | 480 | 600 |
| 4003752 | 24152 CA | 260 | 440 | 180 | | 110 | 2100 | 4350 | 430 | 530 |
| 4003756 | 24156 CA | 280 | 460 | 180 | | 120 | 2530 | 4750 | 400 | 500 |
| 4003760 | 24160 CA | 300 | 500 | 200 | | 155 | 3100 | 6000 | 600 | 750 |
| 4003764 | 24164 CA | 320 | 540 | 218 | | 200 | 3560 | 6500 | 340 | 430 |
| 4003768 | 24168 CA | 340 | 580 | 243 | | 260 | 4400 | 7950 | 320 | 400 |
| 4003772 | 24172 CA | 360 | 600 | 243 | | 270 | 4600 | 8400 | 300 | 380 |
| 4003776 | 24176 CA | 380 | 620 | 243 | | 285 | 4400 | 9200 | 300 | 380 |
| 4003780 | 24180 CA | 400 | 650 | 250 | | 330 | 4800 | 9600 | 320 | 400 |
| 4003784 | 24184 CA | 420 | 700 | 280 | | 435 | 5750 | 11100 | 300 | 380 |
| 4003788 | 24188 CA | 440 | 720 | 280 | | 450 | 7300 | 13400 | 300 | 380 |
| 4003792 | 24192 CA | 460 | 760 | 300 | | 540 | 6890 | 14400 | 160 | 200 |
| 4003796 | 24196 CA | 480 | 790 | 308 | | 600 | 8000 | 14900 | 240 | 320 |
| 40037/500 | 241/500 CA | 500 | 830 | 325 | | 705 | 6950 | 8900 | 320 | 600 |
| | | | | | | | | | | |
| 4553728 H | 24128 CA/W33 | 140 | 225 | 85 | | 12,2 | 638 | 1150 | 850 | 1100 |
| 4553136 H | 24036 CA/W33 | 180 | 280 | 100 | | 23,3 | 919 | 1750 | 950 | 1300 |
| | | | | | | | | | | |
| 40038/750 | 238/750 CA | 750 | 920 | 170 | | 288 | 2810 | 5780 | 200 | 250 |

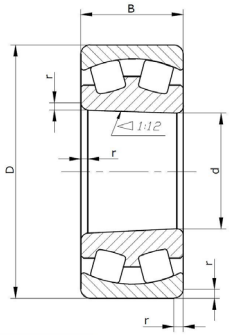
DESIGN OPTIONS:

| | | |
|---|---|---|
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OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA);
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**3 000 (2….CA; CAC)**



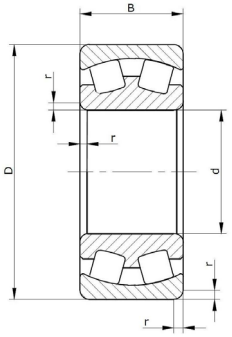

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 113505 | 22205 CAK | 25 | 52 | 18 | | 0,18 | 43,1 | 44 | 8500 | 11000 |
| 113506 | 22206 CAK | 30 | 62 | 20 | | 0,29 | 45,9 | 52 | 7500 | 9500 |
| 113507 | 22207 CAK | 35 | 72 | 23 | | 0,43 | 67,3 | 73,5 | 6300 | 8000 |
| 113508 | 22208 CAK | 40 | 80 | 23 | | 0,58 | 77,5 | 88,5 | 6000 | 7500 |
| 113509 | 22209 CAK | 45 | 85 | 23 | | 0,6 | 88,6 | 95 | 5300 | 6700 |
| 113510 | 22210 CAK | 50 | 90 | 23 | | 0,65 | 78,1 | 95 | 5000 | 6300 |
| 113511 | 22211 CAK | 55 | 100 | 25 | | 0,88 | 106 | 126 | 4500 | 5600 |
| 113512 | 22212 CAK | 60 | 110 | 28 | | 1,2 | 126 | 154 | 4000 | 5000 |
| 113513 | 22213 CAK | 65 | 120 | 31 | | 1,59 | 149 | 193 | 3800 | 4800 |
| 113514 | 22214 CAK | 70 | 125 | 31 | | 1,67 | 155 | 205 | 3600 | 4500 |
| 113515 | 22215 CAK | 75 | 130 | 31 | | 1,76 | 153 | 208 | 3400 | 4300 |
| 113516 | 22216 CAK | 80 | 140 | 33 | | 2,2 | 165 | 225 | 3200 | 4000 |
| 113517 | 22217 CAK | 85 | 150 | 36 | | 2,8 | 193 | 254 | 2800 | 3600 |
| 113518 | 22218 CAK | 90 | 160 | 40 | | 3,55 | 246 | 329 | 2600 | 3400 |
| 113519 | 22219 CAK | 95 | 170 | 43 | | 4,31 | 315 | 400 | 2400 | 3200 |
| 113520 | 22220 CAK | 100 | 180 | 46 | | 5,2 | 327 | 438 | 2200 | 3000 |
| 113522 | 22222 CAK | 110 | 200 | 53 | | 7,5 | 411 | 553 | 2000 | 2800 |
| 113524 | 22224 CAK | 120 | 215 | 58 | | 9,3 | 569 | 809 | 1900 | 2600 |
| 113526 | 22226 CAK | 130 | 230 | 64 | | 11,7 | 570 | 809 | 1800 | 2400 |
| 113528 | 22228 CAK | 140 | 250 | 68 | | 15 | 660 | 924 | 1600 | 2000 |
| 113530 | 22230 CAK | 150 | 270 | 73 | | 18,5 | 730 | 1040 | 1500 | 1900 |
| 113532 | 22232 CAK | 160 | 290 | 80 | | 23,4 | 868 | 1243 | 1400 | 1800 |
| 113534 | 22234 CAK | 170 | 310 | 86 | | 29 | 852 | 1196 | 1300 | 1700 |
| 113536 | 22236 CAK | 180 | 320 | 86 | | 30,5 | 889 | 1282 | 1200 | 1600 |
| 113538 | 22238 CAK | 190 | 340 | 92 | | 37,4 | 1089 | 1669 | 1200 | 1600 |
| 113540 | 22240 CAK | 200 | 360 | 98 | | 45 | 1270 | 2016 | 1100 | 1400 |
| 113544 | 22244 CAK | 220 | 400 | 108 | | 63 | 1599 | 2472 | 950 | 1300 |
| 113548 | 22248 CAK | 240 | 440 | 120 | | 85 | 1843 | 2968 | 800 | 1100 |
| 113552 | 22252 CAK | 260 | 480 | 130 | | 110 | 2055 | 3311 | 750 | 1000 |
| 113556 | 22256 CAK | 280 | 500 | 130 | | 114 | 2139 | 3519 | 700 | 950 |
| 113560 | 22260 CAK | 300 | 540 | 140 | | 145 | 2620 | 4300 | 560 | 750 |
| 113564 | 22264 CAK | 320 | 580 | 150 | | 177 | 3105 | 5097 | 500 | 750 |
| 113568 | 22268 CAK | 340 | 620 | 165 | | 210 | - | - | - | - |
| 113572 | 22272 CAK | 360 | 650 | 170 | | 256 | 3630 | 6200 | 380 | 480 |

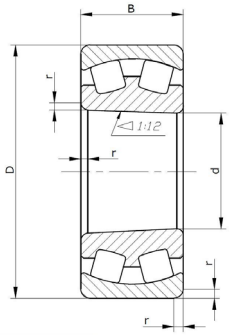
DESIGN OPTIONS:

| | | |
|---|---|---|
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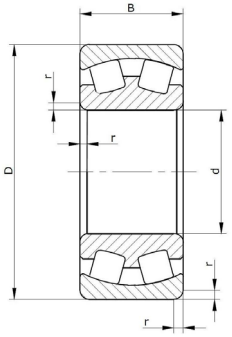

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 113576 | 22276 CAK | 380 | 680 | 175 | | 296 | - | - | - | - |
| 113580 | 22280 CAK | 400 | 720 | 185 | | 338 | 3650 | 3500 | 340 | 430 |
| | | | | | | | | | | |
| 113608 | 22308 CAK | 40 | 90 | 33 | | 1,03 | 116 | 130 | 4500 | 5600 |
| 113609 | 22309 CAK | 45 | 100 | 36 | | 1,4 | 140 | 168 | 3800 | 4800 |
| 113610 | 22310 CAK | 50 | 110 | 40 | | 1,9 | 173 | 208 | 3400 | 4300 |
| 113611 | 22311 CAK | 55 | 120 | 43 | | 2,4 | 193 | 230 | 3200 | 4000 |
| 113612 | 22312 CAK | 60 | 130 | 46 | | 3,1 | 233 | 284 | 3000 | 3800 |
| 113613 | 22313 CAK | 64 | 140 | 48 | | 3,7 | 262 | 325 | 2600 | 3400 |
| 113614 | 22314 CAK | 70 | 150 | 51 | | 4,35 | 330 | 360 | 2400 | 3200 |
| 113615 | 22315 CAK | 75 | 160 | 55 | | 5,4 | 330 | 420 | 2200 | 3000 |
| 113616 | 22316 CAK | 80 | 170 | 58 | | 6,6 | 380 | 495 | 2000 | 2800 |
| 113617 | 22317 CAK | 85 | 180 | 60 | | 7,4 | 391 | 505 | 1900 | 2600 |
| 113618 | 22318 CAK | 90 | 190 | 64 | | 9,3 | 462 | 625 | 1800 | 2400 |
| 113619 | 22319 CAK | 95 | 200 | 67 | | 10,3 | 512 | 685 | 1800 | 2400 |
| 113620 | 22320 CAK | 100 | 215 | 73 | | 13 | 594 | 815 | 1700 | 2200 |
| 113622 | 22322 CAK | 110 | 240 | 80 | | 18,2 | 693 | 955 | 1600 | 2000 |
| 113624 | 22324 CAK | 120 | 260 | 86 | | 24 | 1100 | 1400 | 1400 | 1800 |
| 113626 | 22326 CAK | 130 | 280 | 93 | | 28,6 | 1300 | 1300 | 1300 | 1700 |
| 113628 | 22328 CAK | 140 | 300 | 102 | | 36,2 | 1330 | 1950 | 1200 | 1600 |
| 113630 | 22330 CAK | 150 | 320 | 108 | | 43,6 | 1230 | 1810 | 1000 | 1400 |
| 113632 | 22332 CAK | 160 | 340 | 114 | | 51,9 | 1370 | 1916 | 950 | 1300 |
| 113634 | 22334 CAK | 170 | 360 | 120 | | 62 | 1450 | 2120 | 950 | 1300 |
| 113636 | 22336 CAK | 180 | 380 | 126 | | 71,4 | 1620 | 2400 | 900 | 1200 |
| 113638 | 22338 CAK | 190 | 400 | 132 | | 84,1 | 1800 | 2630 | 850 | 1100 |
| 113640 | 22340 CAK | 200 | 420 | 138 | | 95,4 | 1910 | 2860 | 850 | 1100 |
| 113644 | 22344 CAK | 220 | 460 | 145 | | 128 | 2370 | 3450 | 750 | 950 |
| 113648 | 22348 CAK | 240 | 500 | 155 | | 157 | 2740 | 3990 | 650 | 800 |
| 113652 | 22352 CAK | 260 | 540 | 165 | | 196 | 3080 | 4750 | 630 | 800 |
| 113656 | 22356 CAK | 280 | 580 | 175 | | 239 | 3394 | 5685 | 600 | 750 |
| 113664 | 22364 CAK | 320 | 670 | 200 | | 288 | - | - | - | - |
| 113672 | 22372 CAK | 360 | 750 | 224 | | 430 | - | - | - | - |
| 113680 | 22380 CAK | 400 | 820 | 243 | | 641 | - | - | - | - |
| | | | | | | | | | | |

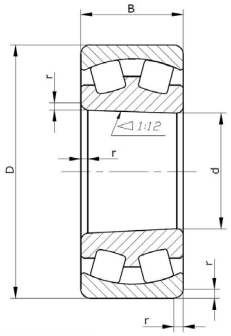
DESIGN OPTIONS:

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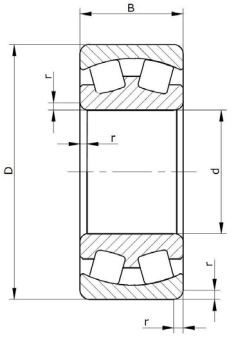

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 113728 | - | 140 | 240 | 80 | | 15,5 | 540 | 880 | 1400 | 1800 |
| 113732 | - | 160 | 265 | 84 | | 18,5 | 640 | 700 | 950 | 1300 |
| | | | | | | | | | | |
| 3113117 | 23017 CAK | 85 | 130 | 34 | | 2 | - | - | - | - |
| 3113118 | 23018 CAK | 90 | 140 | 37 | | 2,2 | - | - | - | - |
| 3113120 | 23020 CAK | 100 | 150 | 37 | | 2,35 | - | - | - | - |
| 3113122 | 23022 CAK | 110 | 170 | 45 | | 3,87 | - | - | - | - |
| 3113124 | 23024 CAK | 120 | 180 | 46 | | 4,5 | 355 | 500 | 2000 | 2800 |
| 3113126 | 23026 CAK | 130 | 200 | 52 | | 6,37 | 430 | 610 | 1900 | 2600 |
| 3113128 | 23028 CAK | 140 | 210 | 53 | | 6,87 | 465 | 680 | 1800 | 2400 |
| 3113130 | 23030 CAK | 150 | 225 | 56 | | 8,25 | 510 | 750 | 1700 | 2200 |
| 3113132 | 23032 CAK | 160 | 240 | 60 | | 10,3 | 585 | 880 | 1700 | 2200 |
| 3113134 | 23034 CAK | 170 | 260 | 67 | | 13,4 | 710 | 1060 | 1600 | 2000 |
| 3113136 | 23036 CAK | 180 | 280 | 74 | | 17,6 | 830 | 1250 | 1400 | 1800 |
| 3113138 | 23038 CAK | 190 | 290 | 75 | | 18,8 | 865 | 1340 | 1300 | 1700 |
| 3113140 | 23040 CAK | 200 | 310 | 82 | | 24,1 | 1000 | 1530 | 1200 | 1600 |
| 3113144 | 23044 CAK | 220 | 340 | 90 | | 31,5 | 1220 | 1860 | 1100 | 1500 |
| 3113148 | 23048 CAK | 240 | 360 | 92 | | 35,5 | 1290 | 2080 | 1000 | 1400 |
| 3113152 | 23052 CAK | 260 | 400 | 104 | | 50,7 | 1600 | 2550 | 900 | 1200 |
| 3113156 | 23056 CAK | 280 | 420 | 106 | | 54,5 | 1730 | 2850 | 850 | 1100 |
| 3113160 | 23060 CAK | 300 | 460 | 118 | | 75,8 | 2120 | 3450 | 800 | 1000 |
| 3113164 | 23064 CAK | 320 | 480 | 121 | | 81,2 | 2240 | 3800 | 800 | 1000 |
| 3113168 | 23068 CAK | 340 | 520 | 133 | | 105 | 2360 | 4550 | 700 | 900 |
| 3113172 | 23072 CAK | 360 | 540 | 134 | | 115 | 2750 | 4800 | 670 | 850 |
| 3113176 | 23076 CAK | 380 | 560 | 135 | | 122 | 2900 | 5000 | 630 | 800 |
| 3113180 | 23080 CAK | 400 | 600 | 148 | | 155 | 3050 | 6200 | 600 | 750 |
| 3113184 | 23084 CAK | 420 | 620 | 150 | | 164 | 3150 | 6550 | 450 | 560 |
| 3113188 | 23088 CAK | 440 | 650 | 157 | | 188 | 3400 | 7100 | 430 | 530 |
| 3113192 | 23092 CAK | 460 | 680 | 163 | | 216 | 3650 | 7650 | 400 | 500 |
| 3113196 | 23096 CAK | 480 | 700 | 165 | | 230 | 3800 | 8150 | 380 | 480 |
| 31131/500 | 230/500 CAK | 500 | 720 | 167 | | 235 | 3470 | 7650 | 380 | 480 |
| 31131/530 | 230/530 CAK | 530 | 780 | 185 | | 303 | 4290 | 9650 | 340 | 430 |
| 31131/560 | 230/560 CAK | 560 | 820 | 195 | | 383 | 4950 | 10500 | 320 | 410 |
| 31131/600 | 230/600 CAK | 600 | 870 | 200 | | 405 | 5170 | 11600 | 300 | 380 |

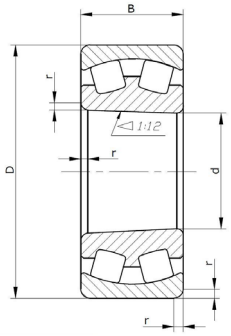
DESIGN OPTIONS:

| | | |
|---|---|---|
| 3 000 | (2….CA; CAC) | - double-row with boards on the inner race with the cylindrical bore |
| 113 000 | (2….CAK) | - double-row with boards on the inner race with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA);
- made of ferrous metals (CAF);
- edge brass of two semiseparators for bearings with an average board on inner race;




**3 000 (2….CA; CAC)**



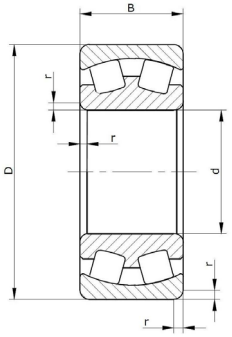

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 31131/630 | 230/630 CAK | 630 | 920 | 212 | | 495 | 5670 | 12800 | 260 | 340 |
| 31131/670 | 230/670 CAK | 670 | 980 | 230 | | 618 | 6900 | 15000 | 240 | 310 |
| 31131/710 | 230/710 CAK | 710 | 1030 | 236 | | 665 | 6350 | 16200 | 220 | 300 |
| 31131/750 | 230/750 CAK | 750 | 1090 | 250 | | 790 | 7000 | 17900 | 200 | 280 |
| 31131/800 | 230/800 CAK | 800 | 1150 | 258 | | 900 | 8090 | 19100 | 170 | 220 |
| 31131/850 | 230/850 CAK | 850 | 1220 | 272 | | 1070 | 8450 | 22500 | 180 | 240 |
| 31131/900 | 230/900 CAK | 900 | 1280 | 280 | | 1180 | 10200 | 23500 | 160 | 210 |
| 31131/950 | 230/950 CAK | 950 | 1360 | 300 | | 1440 | 11000 | 26800 | 150 | 210 |
| 31131/1000 | 230/1000 CAK | 1000 | 1420 | 308 | | 1590 | 12700 | 30500 | 130 | 175 |
| 31131/1060 | 230/1060 CAK | 1060 | 1500 | 325 | | 1870 | 13500 | 33000 | 125 | 160 |
| 31131/1120 | 230/1120 CAK | 1120 | 1580 | 345 | | 2190 | 15000 | 38100 | 90 | 125 |
| 31131/1250 | 230/1250 CAK | 1250 | 1750 | 375 | | 2760 | 17500 | 44800 | 95 | 125 |
| | | | | | | | | | | |
| 3113218 | 23218 CAK | 90 | 160 | 52,4 | | 4,7 | 375 | 510 | 2200 | 3000 |
| 3113220 | 23220 CAK | 100 | 180 | 60,3 | | 6,9 | 465 | 655 | 1900 | 2600 |
| 3113222 | 23222 CAK | 110 | 200 | 69,8 | | 9,9 | 600 | 850 | 1700 | 2200 |
| 3113224 | 23224 CAK | 120 | 215 | 76 | | 12,3 | 680 | 1000 | 1600 | 2000 |
| 3113226 | 23226 CAK | 130 | 230 | 80 | | 14,6 | 765 | 1140 | 1500 | 1900 |
| 3113228 | 23228 CAK | 140 | 250 | 88 | | 18,3 | 915 | 1370 | 1370 | 1700 |
| 3113230 | 23230 CAK | 150 | 270 | 96 | | 23,6 | 1080 | 1630 | 1200 | 1600 |
| 3113232 | 23232 CAK | 160 | 290 | 104 | | 29,8 | 1220 | 1900 | 1200 | 1600 |
| 3113234 | 23234 CAK | 170 | 310 | 110 | | 36,7 | 1370 | 2120 | 1100 | 1500 |
| 3113236 | 23236 CAK | 180 | 320 | 112 | | 39,8 | 1430 | 2320 | 1100 | 1500 |
| 3113238 | 23238 CAK | 190 | 340 | 120 | | 48,5 | 1560 | 2600 | 900 | 1200 |
| 3113240 | 23240 CAK | 200 | 360 | 128 | | 58,4 | 1660 | 2750 | 850 | 1100 |
| 3113244 | 23244 CAK | 220 | 400 | 144 | | 82 | 2040 | 3450 | 800 | 1000 |
| 3113248 | 23248 CAK | 240 | 440 | 160 | | 111 | 2450 | 4250 | 700 | 900 |
| 3113252 | 23252 CAK | 260 | 480 | 174 | | 144 | 2900 | 4900 | 630 | 800 |
| 3113256 | 23256 CAK | 280 | 500 | 176 | | 154 | 3000 | 5300 | 600 | 750 |
| 3113260 | 23260 CAK | 300 | 540 | 192 | | 198 | 3450 | 6200 | 560 | 700 |
| 3113264 | 23264 CAK | 320 | 580 | 208 | | 249 | 3900 | 6950 | 530 | 670 |
| 3113268 | 23268 CAK | 340 | 620 | 224 | | 310 | 4500 | 8150 | 480 | 600 |
| 3113272 | 23272 CAK | 360 | 650 | 232 | | 344 | 4900 | 9150 | 450 | 560 |
| 3113276 | 23276 CAK | 380 | 680 | 240 | | 390 | 5300 | 9800 | 430 | 530 |

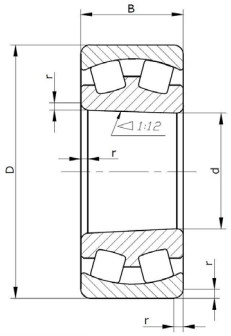
DESIGN OPTIONS:

| | | |
|---|---|---|
| 3 000 | (2….CA; CAC) | - double-row with boards on the inner race with the cylindrical bore |
| 113 000 | (2….CAK) | - double-row with boards on the inner race with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA);
- made of ferrous metals (CAF);
- edge brass of two semiseparators for bearings with an average board on inner race;




**3 000 (2….CA; CAC)**



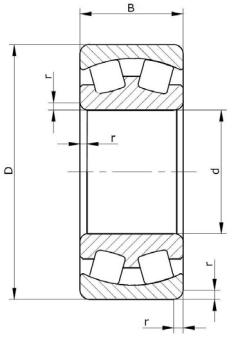

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3113280 | 23280 CAK | 400 | 720 | 256 | | 464 | 5700 | 10800 | 400 | 500 |
| 3113284 | 23284 CAK | 420 | 760 | 272 | | 550 | 6550 | 12200 | 380 | 480 |
| 3113288 | 23288 CAK | 440 | 790 | 280 | | 610 | 7100 | 13400 | 360 | 450 |
| 3113292 | 23292 CAK | 460 | 830 | 296 | | 715 | 7800 | 15000 | 340 | 430 |
| 3113296 | 23296 CAK | 480 | 870 | 310 | | 830 | 8800 | 17000 | 340 | 430 |
| 31132/500 | 232/500 CAK | 500 | 920 | 336 | | 1020 | 9460 | 18600 | 280 | 360 |
| 31132/530 | 232/530 CAK | 530 | 980 | 355 | | 1230 | 10300 | 20300 | 210 | 290 |
| 31132/560 | 232/560 CAK | 560 | 1030 | 365 | | 1340 | 11200 | 21000 | 190 | 260 |
| 31132/600 | 232/600 CAK | 600 | 1090 | 388 | | 1568 | 12500 | 25000 | 190 | 260 |
| 31132/670 | 232/670 CAK | 670 | 1220 | 438 | | 2260 | 15000 | 32000 | 160 | 210 |
| 31132/750 | 232/750 CAK | 750 | 1360 | 475 | | 3012 | 16390 | 36000 | 90 | 120 |
| | | | | | | | | | | |
| 3113720 | 23120 CAK | 100 | 165 | 52 | | 4,37 | 375 | 560 | 2200 | 3000 |
| 3113722 | 23122 CAK | 110 | 180 | 56 | | 5,51 | 440 | 670 | 2000 | 2800 |
| 3113724 | 23124 CAK | 120 | 200 | 62 | | 7,66 | 530 | 780 | 1800 | 2400 |
| 3113726 | 23126 CAK | 130 | 210 | 64 | | 4,45 | 570 | 865 | 1700 | 2200 |
| 3113728 | 23128 CAK | 140 | 225 | 68 | | 10,8 | 640 | 1000 | 1600 | 2000 |
| 3113730 | 23130 CAK | 150 | 250 | 80 | | 15,7 | 850 | 1320 | 1400 | 1800 |
| 3113732 | 23132 CAK | 160 | 270 | 86 | | 20,8 | 980 | 1530 | 1300 | 1700 |
| 3113734 | 23134 CAK | 170 | 280 | 88 | | 22,4 | 1020 | 1660 | 1300 | 1700 |
| 3113736 | 23136 CAK | 180 | 300 | 96 | | 28,4 | 1200 | 1930 | 1200 | 1600 |
| 3113738 | 23138 CAK | 190 | 320 | 104 | | 35,5 | 1340 | 2200 | 1100 | 1500 |
| 3113740 | 23140 CAK | 200 | 340 | 112 | | 43,7 | 1320 | 2280 | 900 | 1200 |
| 3113744 | 23144 CAK | 220 | 370 | 120 | | 54,8 | 1630 | 2900 | 800 | 1000 |
| 3113748 | 23148 CAK | 240 | 400 | 128 | | 67,6 | 1860 | 3250 | 750 | 950 |
| 3113752 | 23152 CAK | 260 | 440 | 144 | | 93,6 | 2200 | 4000 | 670 | 850 |
| 3113756 | 23156 CAK | 280 | 460 | 146 | | 100 | 2360 | 4400 | 630 | 800 |
| 3113760 | 23160 CAK | 300 | 500 | 160 | | 132 | 2650 | 4900 | 600 | 750 |
| 3113764 | 23164 CAK | 320 | 540 | 176 | | 171 | 3200 | 6000 | 530 | 670 |
| 3113768 | 23168 CAK | 340 | 580 | 190 | | 216 | 3650 | 6950 | 500 | 630 |
| 3113772 | 23172 CAK | 360 | 600 | 192 | | 228 | 3800 | 7350 | 480 | 600 |
| 3113776 | 23176 CAK | 380 | 620 | 194 | | 240 | 4050 | 8150 | 450 | 560 |
| 3113780 | 23180 CAK | 400 | 650 | 200 | | 273 | 4250 | 8500 | 430 | 530 |
| 3113784 | 23184 CAK | 420 | 700 | 224 | | 363 | 5000 | 9650 | 400 | 500 |

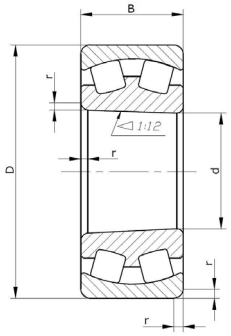
DESIGN OPTIONS:

| | | |
|---|---|---|
| 3 000 | (2….CA; CAC) | - double-row with boards on the inner race with the cylindrical bore |
| 113 000 | (2….CAK) | - double-row with boards on the inner race with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA);
- made of ferrous metals (CAF);
- edge brass of two semiseparators for bearings with an average board on inner race;




**3 000 (2….CA; CAC)**



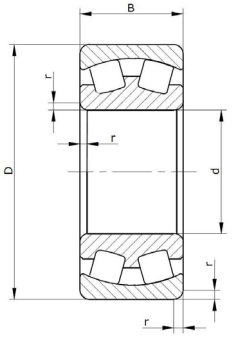

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3113788 | 23188 CAK | 440 | 720 | 226 | | 378 | 5200 | 10400 | 400 | 500 |
| 3113792 | 23192 CAK | 460 | 760 | 240 | | 450 | 5850 | 11600 | 360 | 450 |
| 3113796 | 23196 CAK | 480 | 790 | 248 | | 503 | 6300 | 12700 | 360 | 450 |
| 31137/500 | 231/500 CAK | 500 | 830 | 264 | | 595 | 6100 | 13800 | 320 | 400 |
| 31137/530 | 231/530 CAK | 530 | 870 | 272 | | 665 | 8100 | 13200 | 260 | 340 |
| 31137/560 | 231/560 CAK | 560 | 920 | 280 | | 703 | 7590 | 15700 | 240 | 320 |
| 31137/600 | 231/600 CAK | 600 | 980 | 300 | | 921 | 8900 | 18800 | 180 | 250 |
| 31137/630 | 231/630 CAK | 630 | 1030 | 315 | | 1050 | 10000 | 21000 | 180 | 250 |
| 31137/670 | 231/670 CAK | 670 | 1090 | 336 | | 1250 | 11000 | 22500 | 175 | 240 |
| 31137/710 | 231/710 CAK | 710 | 1150 | 345 | | 1420 | 12000 | 25800 | 170 | 220 |
| 31137/750 | 231/750 CAK | 750 | 1220 | 365 | | 1690 | 13500 | 28800 | 160 | 210 |
| 31137/800 | 231/800 CAK | 800 | 1280 | 375 | | 1870 | 14500 | 31000 | 150 | 190 |
| 31137/850 | 231/850 CAK | 850 | 1360 | 400 | | 2250 | 16000 | 34200 | 130 | 170 |
| 31137/900 | 231/900 CAK | 900 | 1420 | 412 | | 2480 | - | - | - | - |
| | | | | | | | | | | |
| 4113124 | 24024 CAK | 120 | 180 | 60 | | 5,4 | 360 | 660 | 1600 | 2000 |
| 4113126 | 24026 CAK | 130 | 200 | 69 | | 7,95 | 570 | 1020 | 1400 | 1800 |
| 4113128 | 24028 CAK | 140 | 210 | 69 | | 8,45 | 600 | 1080 | 1400 | 1800 |
| 4113130 | 24030 CAK | 150 | 225 | 75 | | 10,5 | 680 | 1250 | 1300 | 1700 |
| 4113132 | 24032 CAK | 160 | 240 | 80 | | 13 | 627 | 1210 | 1100 | 1500 |
| 4113134 | 24034 CAK | 170 | 260 | 90 | | 17,5 | 776 | 1500 | 1000 | 1400 |
| 4113136 | 24036 CAK | 180 | 280 | 100 | | 23 | 919 | 1750 | 950 | 1300 |
| 4113138 | 24038 CAK | 190 | 290 | 100 | | 24 | 1040 | 1960 | 900 | 1200 |
| 4113140 | 24040 CAK | 200 | 310 | 109 | | 30,5 | 1200 | 2260 | 850 | 1100 |
| 4113144 | 24044 CAK | 220 | 340 | 118 | | 39,5 | 1400 | 2700 | 750 | 950 |
| 4113148 | 24048 CAK | 240 | 360 | 118 | | 42,5 | 1500 | 2900 | 700 | 900 |
| 4113152 | 24052 CAK | 260 | 400 | 140 | | 64,5 | 1900 | 3600 | 630 | 800 |
| 4113156 | 24056 CAK | 280 | 420 | 140 | | 68,5 | 2000 | 4000 | 600 | 750 |
| 4113160 | 24060 CAK | 300 | 460 | 160 | | 97 | 2500 | 5200 | 560 | 700 |
| 4113164 | 24064 CAK | 320 | 480 | 160 | | 100 | 2600 | 5400 | 530 | 670 |
| 4113168 | 24068 CAK | 340 | 520 | 180 | | 140 | 3100 | 6550 | 480 | 600 |
| 4113172 | 24072 CAK | 360 | 540 | 180 | | 145 | 3250 | 6800 | 450 | 560 |
| 4113176 | 24076 CAK | 380 | 560 | 180 | | 150 | 3350 | 7200 | 430 | 530 |
| 4113180 | 24080 CAK | 400 | 600 | 200 | | 195 | 3900 | 8500 | 400 | 500 |

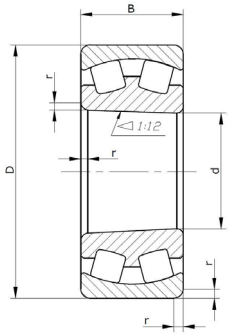
DESIGN OPTIONS:

| | | |
|---|---|---|
| 3 000 | (2….CA; CAC) | - double-row with boards on the inner race with the cylindrical bore |
| 113 000 | (2….CAK) | - double-row with boards on the inner race with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA);
- made of ferrous metals (CAF);
- edge brass of two semiseparators for bearings with an average board on inner race;




**3 000 (2….CA; CAC)**



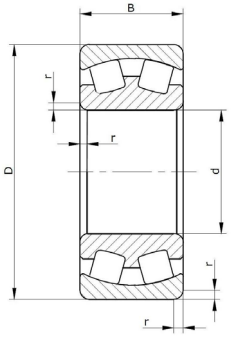

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4113184 | 24084 CAK | 420 | 620 | 200 | | 214 | 4000 | 8800 | 380 | 480 |
| 4113188 | 24088 CAK | 440 | 650 | 212 | | 236 | 4300 | 9650 | 360 | 450 |
| 4113192 | 24092 CAK | 460 | 680 | 218 | | 266 | 4750 | 10600 | 360 | 450 |
| 4113196 | 24096 CAK | 480 | 700 | 218 | | 276 | 4900 | 11200 | 340 | 430 |
| 41131/500 | 240/500 CAK | 500 | 720 | 218 | | 285 | 4100 | 5700 | 420 | 520 |
| 41131/530 | 240/530 CAK | 530 | 780 | 250 | | 395 | 5150 | 7100 | 280 | 360 |
| 41131/560 | 240/560 CAK | 560 | 820 | 258 | | 440 | 5950 | 13300 | 220 | 300 |
| 41131/600 | 240/600 CAK | 600 | 870 | 272 | | 529 | 6600 | 15100 | 220 | 300 |
| 41131/670 | 240/670 CAK | 670 | 980 | 308 | | 773 | 8450 | 18500 | 190 | 270 |
| 41131/710 | 240/710 CAK | 710 | 1030 | 315 | | 893 | 9300 | 22500 | 180 | 250 |
| 41131/750 | 240/750 CAK | 750 | 1090 | 335 | | 1070 | 10000 | 24800 | 170 | 220 |
| 41131/800 | 240/800 CAK | 800 | 1150 | 345 | | 1130 | 10900 | 26300 | 170 | 220 |
| 41131/850 | 240/850 CAK | 850 | 1220 | 365 | | 1350 | 11600 | 28300 | 160 | 200 |
| 41131/950 | 240/950 CAK | 950 | 1360 | 412 | | 2000 | 15000 | 38500 | 125 | 160 |
| 41131/1000 | 240/1000 CAK | 1000 | 1420 | 412 | | 2050 | 14100 | 22300 | 110 | 150 |
| 41131/1060 | 240/1060 CAK | 1060 | 1500 | 438 | | 2400 | 15800 | 24100 | 100 | 145 |
| 41131/1120 | 240/1120 CAK | 1120 | 1580 | 462 | | 2800 | 16700 | 26800 | 90 | 125 |
| 41131/1180 | 240/1180 CAK | 1180 | 1660 | 475 | | 3150 | 17800 | 28700 | - | - |
| 41131/1250 | 240/1250 CAK | 1250 | 1750 | 500 | | 3650 | 19800 | 32500 | - | - |
| 41131/1320 | 240/1320 CAK | 1320 | 1850 | 530 | | 4350 | 22200 | 37500 | 70 | 85 |
| 41131/1400 | 240/1400 CAK | 1400 | 1950 | 545 | | 4900 | 23100 | 40000 | 65 | 80 |
| | | | | | | | | | | |
| 4113722 | 24122 CAK | 110 | 180 | 69 | | 6,85 | 468 | 750 | 1000 | 1400 |
| 4113724 | 24124 CAK | 120 | 200 | 80 | | 10 | 495 | 925 | 900 | 1200 |
| 4113726 | 24126 CAK | 130 | 210 | 80 | | 11 | 980 | 1700 | 870 | 1200 |
| 4113728 | 24128 CAK | 140 | 225 | 85 | | 13 | 638 | 1150 | 850 | 1100 |
| 4113730 | 24130 CAK | 150 | 250 | 100 | | 19,5 | 864 | 1400 | 800 | 1000 |
| 4113732 | 24132 CAK | 160 | 270 | 109 | | 25 | 952 | 1690 | 700 | 900 |
| 4113734 | 24134 CAK | 170 | 280 | 109 | | 26,5 | 1010 | 1830 | 670 | 850 |
| 4113736 | 24136 CAK | 180 | 300 | 118 | | 33,5 | 1120 | 2030 | 630 | 800 |
| 4113738 | 24138 CAK | 190 | 320 | 128 | | 42 | 1320 | 2400 | 600 | 750 |
| 4113740 | 24140 CAK | 200 | 340 | 140 | | 52 | 1520 | 2800 | 560 | 700 |
| 4113744 | 24144 CAK | 220 | 370 | 150 | | 65 | 1800 | 3410 | 500 | 630 |
| 4113748 | 24148 CAK | 240 | 400 | 160 | | 80,5 | 2010 | 3400 | 480 | 600 |

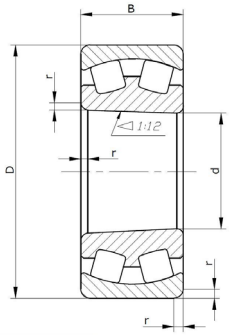
DESIGN OPTIONS:

| | | |
|---|---|---|
| 3 000 | (2….CA; CAC) | - double-row with boards on the inner race with the cylindrical bore |
| 113 000 | (2.…CAK) | - double-row with boards on the inner race with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA);
- made of ferrous metals (CAF);
- edge brass of two semiseparators for bearings with an average board on inner race;




**3 000 (2….CA; CAC)**



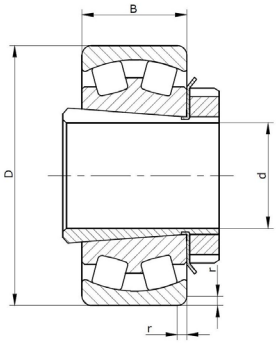

**113 000 (2….CAK)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4113752 | 24152 CAK | 260 | 440 | 180 | | 110 | 2100 | 4350 | 430 | 530 |
| 4113756 | 24156 CAK | 280 | 460 | 180 | | 120 | 2530 | 4750 | 400 | 500 |
| 4113760 | 24160 CAK | 300 | 500 | 200 | | 155 | 3100 | 6000 | 600 | 750 |
| 4113764 | 24164 CAK | 320 | 540 | 218 | | 200 | 3560 | 6500 | 340 | 430 |
| 4113768 | 24168 CAK | 340 | 580 | 243 | | 260 | 4400 | 7950 | 320 | 400 |
| 4113772 | 24172 CAK | 360 | 600 | 243 | | 270 | 4600 | 8400 | 300 | 380 |
| 4113776 | 24176 CAK | 380 | 620 | 243 | | 285 | 4400 | 9200 | 300 | 380 |
| 4113780 | 24180 CAK | 400 | 650 | 250 | | 330 | 4800 | 9600 | 320 | 400 |
| 4113784 | 24184 CAK | 420 | 700 | 280 | | 435 | 5750 | 11100 | 300 | 380 |
| 4113788 | 24188 CAK | 440 | 720 | 280 | | 450 | 7300 | 13400 | 300 | 380 |

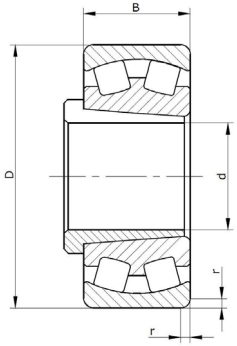
DESIGN OPTIONS:

| | | |
|---|---|---|
| 13 000 | (2….CAK; +H….) | - double-row with boards on the inner race with the fixing barrel |
| 73 000 | (2….CAK; +AH….) | - double-row with boards on the inner race the coupling barrel |

OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA)
- made of ferrous metals (CAF);;
- edge brass of two semiseparators for bearings with an average board on inner race;




**13 000 (2….CAK; +H….)**



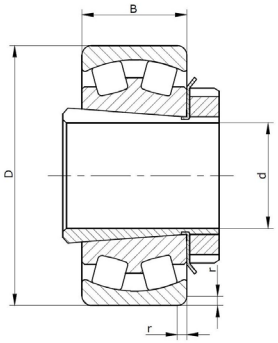

**73 000 (2….CAK; +AH….)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 13508 | 22209 CAK+H309 | 40 | 85 | 23/39 | | 0,767 | 93 | 106 | 5600 | 7000 |
| 13509 | 22210 CAK+H310 | 45 | 90 | 23/42 | | 0,882 | 98 | 114 | 5300 | 6700 |
| 13510 | 22211 CAK+H311 | 50 | 100 | 25/45 | | 1,15 | 120 | 146 | 4500 | 5600 |
| 13511 | 22212 CAK+H312 | 55 | 110 | 28/47 | | 1,45 | 153 | 180 | 4000 | 5000 |
| 13512 | 22213 CAK+H313 | 60 | 120 | 31/50 | | 2,23 | 150 | 200 | 3600 | 4500 |
| 13513 | 22215 CAK+H315 | 65 | 130 | 31/55 | | 2,44 | 183 | 236 | 3400 | 4300 |
| 13514 | 22216 CAK+H316 | 70 | 140 | 33/59 | | 3,2 | 191 | 293 | 3200 | 4000 |
| 13515 | 22217 CAK+H317 | 75 | 150 | 36/63 | | 3,65 | 260 | 325 | 3000 | 3800 |
| 13516 | 22218 CAK+H318 | 80 | 160 | 40/65 | | 4,77 | 246 | 329 | 2600 | 3400 |
| 13518 | 22220 CAK+H320 | 90 | 180 | 46/71 | | 6,61 | 327 | 438 | 2200 | 3000 |
| 13520 | 22222 CAK+H322 | 100 | 200 | 53/77 | | 9,53 | 411 | 553 | 2000 | 2800 |
| 13522 | 22224 CAK+H3124 | 110 | 215 | 58/88 | | 11,2 | 569 | 809 | 1900 | 2600 |
| 13523 | 22226 CAK+H3126 | 115 | 230 | 64/92 | | 14,17 | 570 | 809 | 1800 | 2400 |
| 13525 | 22228 CAK+H3128 | 125 | 250 | 68/97 | | 18,22 | 660 | 924 | 1600 | 2000 |
| 13528 | 22232 CAK+H3132 | 140 | 290 | 80/119 | | 30,46 | 868 | 1243 | 1400 | 1800 |
| 13530 | 22234 CAK+H3134 | 150 | 310 | 86/122 | | 34,9 | 974 | 1420 | 1300 | 1700 |
| 13532 | 22236 CAK+H3136 | 160 | 320 | 86/131 | | 39,3 | 1054 | 1577 | 1200 | 1600 |
| 13534 | 22238 CAK+H3138 | 170 | 340 | 92/141 | | 46,9 | 1089 | 1669 | 1200 | 1600 |
| 13536 | 22240 CAK+H3140 | 180 | 360 | 98/150 | | 55,6 | 1270 | 2016 | 1100 | 1400 |
| 13540 | 22240 CAK+H3144 | 200 | 400 | 108/161 | | 74,68 | 1599 | 2472 | 950 | 1300 |
| 13548 | 22252 CAK+H3152 | 240 | 480 | 130/190 | | 122,8 | 2055 | 3311 | 750 | 1000 |
| | | | | | | | | | | |
| 13608 | 22309 CAK+H2309 | 40 | 100 | 36/50 | | 1,58 | 156 | 176 | 3800 | 4800 |
| 13609 | 22310 CAK+H2310 | 45 | 110 | 40/55 | | 2,11 | 190 | 216 | 3400 | 4300 |
| 13610 | 22311 CAK+H2311 | 50 | 120 | 43/59 | | 2,64 | 224 | 255 | 3200 | 4000 |
| 13611 | 22312 CAK+H2312 | 55 | 130 | 46/62 | | 3,27 | 260 | 300 | 2800 | 3600 |
| 13612 | 22313 CAK+H2313 | 60 | 140 | 48/65 | | 3,96 | 290 | 355 | 2600 | 3400 |
| 13613 | 22315 CAK+H2315 | 65 | 160 | 55/73 | | 6,04 | 375 | 440 | 2200 | 3000 |
| 13614 | 22316 CAK+H2316 | 70 | 170 | 58/78 | | 7,21 | 415 | 500 | 2200 | 3000 |
| 13615 | 22317 CAK+H2317 | 75 | 180 | 60/82 | | 8,26 | 455 | 540 | 2000 | 2800 |
| 13616 | 22318 CAK+H2318 | 80 | 190 | 64/86 | | 9,74 | 510 | 620 | 1900 | 2600 |
| 13618 | 22320 CAK+H2320 | 90 | 215 | 73/97 | | 14,91 | 652 | 830 | 1700 | 2200 |
| 13620 | 22322 CAK+H2322 | 100 | 240 | 80/105 | | 19,7 | 800 | 1060 | 1500 | 1900 |
| 13622 | 22324 CAK+H2324 | 110 | 260 | 86/112 | | 25,83 | 864 | 1094 | 1400 | 1800 |

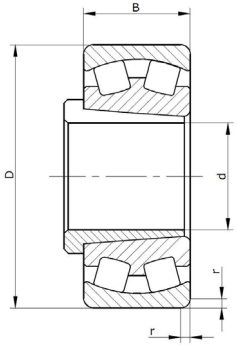
DESIGN OPTIONS:

| | | |
|---|---|---|
| 13 000 | (2….CAK; +H….) | - double-row with boards on the inner race with the fixing barrel |
| 73 000 | (2….CAK; +AH….) | - double-row with boards on the inner race the coupling barrel |

OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA)
- made of ferrous metals (CAF);;
- edge brass of two semiseparators for bearings with an average board on inner race;




**13 000 (2….CAK; +H….)**




**73 000 (2….CAK; +AH….)**

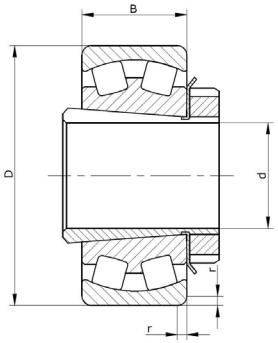
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 13623 | 22326 CAK+H2326 | 115 | 280 | 93/121 | | 30,5 | 1040 | 1340 | 1300 | 1700 |
| 13625 | 22328 CAK+H2328 | 125 | 300 | 102/131 | | 38,4 | 1220 | 1600 | 1200 | 1600 |
| 13627 | 22330 CAK+H2330 | 135 | 320 | 108/139 | | 45,9 | 1370 | 1830 | 1100 | 1500 |
| 13628 | 22332 CAK+H2332 | 140 | 340 | 114/147 | | 60,2 | 1430 | 1900 | 1000 | 1400 |
| 13630 | 22334 CAK+H2334 | 150 | 360 | 120/154 | | 68,8 | 1527 | 2000 | 950 | 1300 |
| 13632 | 22336 CAK+H2336 | 160 | 380 | 126/161 | | 80,89 | 1671 | 2368 | 900 | 1200 |
| 13634 | 22338 CAK+H2338 | 170 | 400 | 132/169 | | 91,98 | 1816 | 2675 | 850 | 1100 |
| 13636 | 22340 CAK+H2340 | 180 | 420 | 138/176 | | 106 | 2080 | 2800 | 800 | 1000 |
| 13638 | 22340 CAK+13638A | 190 | 420 | 138/176 | | 105,26 | 1945 | 2884 | 850 | 1100 |
| 13640 | 22344 CAK+H2344HG | 200 | 460 | 145/186 | | 136 | 2320 | 3350 | 700 | 900 |
| 13644 | 22348 CAK+H2348HG | 220 | 500 | 155/199 | | 173 | 2650 | 3900 | 630 | 800 |
| 13648 | 22352 CAK+H2352HG | 240 | 540 | 165/211 | | 209 | 300 | 4400 | 600 | 750 |
| | | | | | | | | | | |
| 3013125 | 23028 CAK+H3028 | 125 | 210 | 53/82 | | 10,6 | 385 | 660 | 1800 | 2400 |
| 3013140 | 23044CAK+ H3044 | 200 | 340 | 90/128 | | 41,9 | 1030 | 1783 | 900 | 1300 |
| 3013144 | 23048 CAK+H3048 | 220 | 360 | 92/133 | | 47,6 | 1160 | 2200 | 800 | 1000 |
| 3013148 | 23052 CAK+H3052 | 240 | 400 | 104/147 | | 65,2 | 1432 | 2550 | 750 | 950 |
| 3013152 | 23056 CAK+H3056 | 260 | 420 | 106/152 | | 84,4 | 1400 | 2897 | 700 | 900 |
| 3013156 | 23060 CAK+H3060 | 280 | 460 | 118/168 | | 95,8 | 1660 | 3259 | 630 | 800 |
| 3013176 | 23080 CAK+H3080 | 380 | 600 | 148/244 | | 207 | 3050 | 6200 | 450 | 560 |
| | | | | | | | | | | |
| 3013272 | 23276 CAK+H3276 | 360 | 680 | 240/310 | | 451 | 5300 | 9800 | 430 | 530 |
| | | | | | | | | | | |
| 3013738 | - | 190 | 340 | 112/143 | | 51 | - | - | - | - |
| 3013740 | 23144 CAK+H3144 | 200 | 370 | 120/161 | | 72,6 | 1630 | 2900 | 800 | 1000 |
| 3013744 | 23148 CAK+H3148 | 220 | 400 | 128/172 | | 81,7 | 1860 | 3250 | 750 | 950 |
| 3013748 | 23152 CAK+H3152 | 240 | 440 | 144/187 | | 116 | 1938 | 3708 | 670 | 850 |

# RADIAL BALL BEARINGS DOUBLE-ROW SPHERICAL WITH BOARDS ON THE INNER RACE

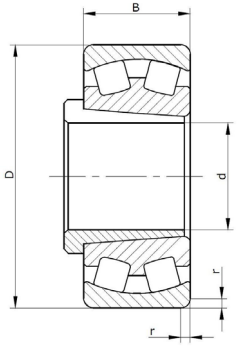
DESIGN OPTIONS:

| | | |
|---|---|---|
| 13 000 | (2….CAK; +H….) | - double-row with boards on the inner race with the fixing barrel |
| 73 000 | (2….CAK; +AH….) | - double-row with boards on the inner race the coupling barrel |

OPTIONS OF SEPARATOR DESIGN:
- integral edge mechanically processed made of brass for bearings with boards on an inner race and d ≤ 60 mm; (SA)
- made of ferrous metals (CAF);;
- edge brass of two semiseparators for bearings with an average board on inner race;




**13 000 (2….CAK; +H….)**




**73 000 (2….CAK; +AH….)**

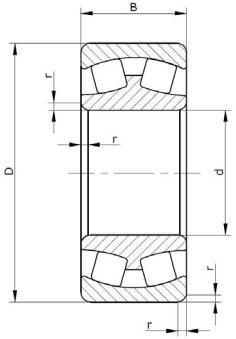
| Обозначение ГОСТ | Обозначение ISO | Диаметр отверстия (d, мм) | Наружный диаметр (D, мм) | Ширина (высота) (B, мм) | | Масса (m, кг) | Грузоподъемность динамическая (C, kH) | Грузоподъемность статическая (Co, kH) | Частота вращения при пластичной смазке (n пред. Об./мин) | Частота вращения при жидкой смазке (n пред. Об./мин) |
|---|---|---|---|---|---|---|---|---|---|---|
| 73519 | 22220 CAK+AHX320 | 95 | 180 | 46/63 | | 5,67 | 360 | 465 | 2200 | 3000 |
| 73536 | 22238 CAK+AH2238 | 180 | 340 | 92/117 | | 41,1 | 1089 | 1669 | 1200 | 1600 |
| 73544 | 22248 CAK+AH2248 | 220 | 440 | 120/150 | | 92,66 | 1843 | 2968 | 800 | 1100 |
| | | | | | | | | | | |
| 73611 | 22312 CAK+AH2312 | 55 | 130 | 46/59,2 | | 3,47 | 260 | 300 | 2800 | 3600 |
| 73612 | 22313 CAK+AH2313 | 60 | 140 | 48/64 | | 4 | 290 | 355 | 2600 | 3400 |
| - | 22314 CAK+AHX2314 | 65 | 150 | 51/64 | | 4,66 | 325 | 375 | 2400 | 3200 |
| 73613 | 22315 CAK+953613 | 65 | 160 | 55/72 | | 6,12 | 351 | 401 | 2200 | 3000 |
| 73614 | 22315 CAK+AH2315 | 70 | 160 | 55/72 | | 5,74 | 375 | 440 | 2200 | 3000 |
| 73615 | 22316 CAK+AH2316 | 75 | 170 | 58/75 | | 7,1 | 415 | 500 | 2200 | 3000 |
| 73616 | 22317 CAK+AH2317 | 80 | 180 | 60/74 | | 7,48 | 455 | 540 | 2000 | 2800 |
| 73617 | 22318 CAK+AH2318 | 85 | 190 | 64/83 | | 9,45 | 510 | 620 | 1900 | 2600 |
| 73619 | 22320 CAK+AH2320 | 95 | 215 | 73/94 | | 13,73 | 655 | 815 | 1700 | 2200 |
| 73620 | 22322 CAK+AH2322/100 | 100 | 240 | 80/102 | | 19,6 | 800 | 1060 | 1500 | 1900 |
| 73623 | 22324 CAK+AH2324 | 115 | 260 | 86/105 | | 22,6 | 900 | 1140 | 1140 | 1800 |
| 73625 | 22326 CAK+AHX2326 | 125 | 280 | 93/115 | | 28 | 1040 | 1340 | 1300 | 1700 |
| 73627 | 22328 CAK+AHX2328 | 135 | 300 | 102/125 | | 35,1 | 1220 | 1600 | 1200 | 1600 |
| 73629 | 22330 CAK+AHX2330 | 145 | 320 | 108/135 | | 42,1 | 1370 | 1830 | 1100 | 1500 |
| 73630 | 22322 CAK+AH2322 | 150 | 340 | 114/146 | | 55 | 1430 | 1900 | 1000 | 1400 |
| 73632 | 22334 CAK+AH2334 | 160 | 360 | 120/146 | | 65 | 1600 | 2120 | 950 | 1300 |
| 73634 | 22336 CAK+AH2336 | 170 | 380 | 126/154 | | 75,2 | 1760 | 2360 | 850 | 1100 |
| 73636 | 22338 CAK+AH2338 | 180 | 400 | 132/167 | | 86,5 | 1860 | 2500 | 850 | 1100 |
| 73638 | 22340 CAK+AH2340 | 190 | 420 | 138/170 | | 96,6 | 2080 | 2800 | 800 | 1000 |
| 73640 | 22344 CAK+AH2344H | 200 | 460 | 145/181 | | 133 | 2320 | 3350 | 700 | 900 |
| 73644 | 22348 CAK+AH2348 | 220 | 500 | 155/197 | | 167 | 2650 | 3900 | 630 | 800 |
| | | | | | | | | | | |
| 73727 | - | 135 | 280 | 93/119 | | 29,1 | 923 | 1290 | 1300 | 1700 |
| 73736 | - | 180 | 380 | 126/162 | | 76,14 | 1684 | 2577 | 800 | 1100 |
| | | | | | | | | | | |
| 73930 | - | 150 | 320 | 108/135 | | 46,8 | 1100 | 870 | 900 | 1300 |
| | | | | | | | | | | |
| 93627 | 22328 CAK+AH2328 | 135 | 300 | 102/130 | | 35,2 | 1100 | 1444 | 1200 | 1600 |

# ROLLER BALL BEARINGS
# DOUBLE-ROW SPHERICAL
# WITH BOARDS ON THE INNER RACE

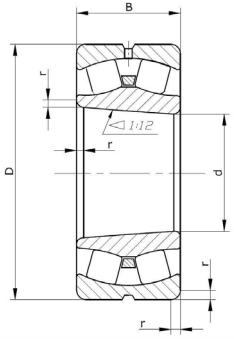
OPTIONS OF DESIGN: :

| | | |
|---|---|---|
| 53 000 | (2….C; CC) | - double-row with boards on the inner race and symmetrical rollers |
| 153 000 | (2….CK) | - double-row with boards on the inner race, symmetrical rollers and with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**53 000 (2….C; CC)**




**153 000 (2….CK)**

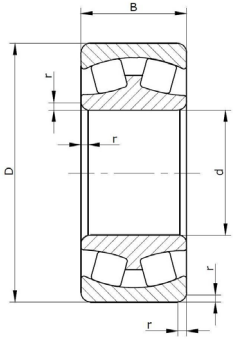
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 53505 | 22205 CC | 25 | 52 | 18 | | 0,18 | 49 | 44 | 8500 | 11000 |
| 53506 | 22206 CC | 30 | 62 | 20 | | 0,29 | 56 | 52 | 7500 | 9500 |
| 53507 | 22207 CC | 35 | 72 | 23 | | 0,43 | 76,5 | 73,5 | 6300 | 8000 |
| 53508 | 22208 CC | 40 | 80 | 23 | | 0,58 | 77,5 | 88,5 | 6000 | 7500 |
| 53509 | 22209 CC | 45 | 85 | 23 | | 0,6 | 78,5 | 96 | 5600 | 7000 |
| 53510 | 22210 CC | 50 | 90 | 23 | | 0,65 | 98 | 114 | 5300 | 6700 |
| 53511 | 22211 CC | 55 | 100 | 25 | | 0,88 | 116 | 126 | 4500 | 5600 |
| 53512 | 22212 CC | 60 | 110 | 28 | | 1,2 | 122 | 145 | 4000 | 5000 |
| 53513 | 22213 CC | 65 | 120 | 31 | | 1,59 | 143 | 175 | 3800 | 4800 |
| 53514 | 22214 CC | 70 | 125 | 31 | | 1,67 | 159 | 200 | 3600 | 4500 |
| 53515 | 22215 CC | 75 | 130 | 31 | | 1,76 | 183 | 236 | 3400 | 4300 |
| 53516 | 22216 CC | 80 | 140 | 33 | | 2,2 | 208 | 260 | 3200 | 4000 |
| 53517 | 22217 CC | 85 | 150 | 36 | | 2,8 | 260 | 325 | 3000 | 3800 |
| 53518 | 22218 CC | 90 | 160 | 40 | | 3,55 | 285 | 360 | 2600 | 3400 |
| 53519 | 22219 CC | 95 | 170 | 43 | | 4,31 | 315 | 400 | 2400 | 3200 |
| 53520 | 22220 CC | 100 | 180 | 46 | | 5,2 | 360 | 465 | 2200 | 3000 |
| 53522 | 22222 CC | 110 | 200 | 53 | | 7,5 | 465 | 585 | 2000 | 2800 |
| 53524 H | 22224 CC/W33 | 120 | 215 | 58 | | 9,3 | 540 | 720 | 1800 | 2600 |
| 53526 H | 22226 CC/W33 | 130 | 230 | 64 | | 11,7 | 630 | 880 | 1700 | 2400 |
| 53528 H | 22228 CC/W33 | 140 | 250 | 68 | | 14 | 735 | 1020 | 1600 | 2000 |
| 53530 H | 22230 CC/W33 | 150 | 270 | 73 | | 18 | 850 | 1200 | 1500 | 1900 |
| 53532 H | 22232 CC/W33 | 160 | 290 | 80 | | 22,5 | 965 | 1370 | 1400 | 1800 |
| 53534 H | 22234 CC/W33 | 170 | 310 | 86 | | 28,5 | 1100 | 1530 | 1300 | 1700 |
| 53536 H | 22236 CC/W33 | 180 | 320 | 86 | | 29,5 | 1140 | 1630 | 1200 | 1600 |
| 53538 H | 22238 CC/W33 | 190 | 340 | 92 | | 36,5 | 1270 | 1700 | 1200 | 1600 |
| 53540 H | 22240 CC/W33 | 200 | 360 | 98 | | 43,5 | 1460 | 1930 | 1100 | 1500 |
| 53544 H | 22244 CC/W33 | 220 | 400 | 109 | | 60,5 | 1760 | 2360 | 950 | 1300 |
| 53548 H | 22248 CC/W33 | 240 | 440 | 120 | | 83 | 2200 | 3000 | 900 | 1200 |
| 53552 H | 22252 CC/W33 | 260 | 480 | 130 | | 110 | 2650 | 3550 | 850 | 1100 |
| 53556 H | 22256 CC/W33 | 280 | 500 | 130 | | 114 | 2700 | 3750 | 800 | 1000 |
| 53560 H | 22260 CC/W33 | 300 | 540 | 140 | | 145 | 2760 | 4250 | 750 | 950 |
| 53564 H | 22264 CC/W33 | 320 | 580 | 150 | | 177 | 3160 | 4900 | 670 | 850 |
| 53568 H | 22268 CC/W33 | 340 | 620 | 165 | | 210 | - | - | - | - |
| 53572 H | 22272 CC/W33 | 360 | 650 | 170 | | 256 | - | - | - | - |

# ROLLER BALL BEARINGS
# DOUBLE-ROW SPHERICAL
# WITH BOARDS ON THE INNER RACE

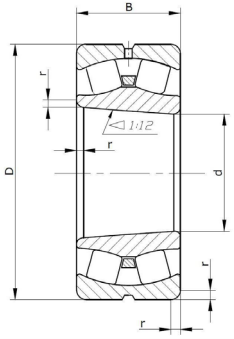
OPTIONS OF DESIGN: :

| | | |
|---|---|---|
| 53 000 | (2….C; CC) | - double-row with boards on the inner race and symmetrical rollers |
| 153 000 | (2….CK) | - double-row with boards on the inner race, symmetrical rollers and with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**53 000 (2….C; CC)**




**153 000 (2….CK)**

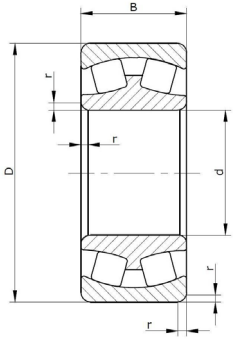
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 53576 H | 22276 CC/W33 | 380 | 680 | 175 | | 296 | - | - | - | - |
| 53580 H | 22280 CC/W33 | 400 | 720 | 185 | | 338 | - | - | - | - |
| | | | | | | | | | | |
| 53608 | 22308 CC | 40 | 90 | 33 | | 1,03 | 121 | 136 | 4300 | 5300 |
| 53609 | 22309 CC | 45 | 100 | 36 | | 1,4 | 146 | 164 | 2800 | 4800 |
| 53610 | 22310 CC | 50 | 110 | 40 | | 1,9 | 178 | 209 | 3400 | 4300 |
| 53611 | 22311 CC | 55 | 120 | 43 | | 2,4 | 208 | 246 | 3200 | 4000 |
| 53612 | 22312 CC | 60 | 130 | 46 | | 3,1 | 250 | 300 | 2800 | 3600 |
| 53613 | 22313 CC | 65 | 140 | 48 | | 3,7 | 265 | 313 | 2600 | 3400 |
| 53614 | 22314 CC | 70 | 150 | 51 | | 4,35 | 297 | 358 | 2400 | 3200 |
| 53615 | 22315 CC | 75 | 160 | 55 | | 5,4 | 338 | 424 | 2200 | 3000 |
| 53616 | 22316 CC | 80 | 170 | 58 | | 6,6 | 408 | 517 | 2000 | 2800 |
| 53617 | 22317 CC | 85 | 180 | 60 | | 7,4 | 431 | 519 | 1900 | 2600 |
| 53618 | 22318 CC | 90 | 190 | 64 | | 9,3 | 506 | 632 | 1900 | 2600 |
| 53619 | 22319 CC | 95 | 200 | 67 | | 10,3 | 551 | 720 | 1700 | 2200 |
| 53620 H | 22320 CC/W33 | 100 | 215 | 73 | | 13 | 652 | 830 | 1700 | 2200 |
| 53622 H | 22322 CC/W33 | 110 | 240 | 80 | | 18,2 | 725 | 943 | 1500 | 1900 |
| 53624 H | 22324 CC/W33 | 120 | 260 | 86 | | 24 | 845 | 1094 | 1400 | 1800 |
| 53626 H | 22326 CC/W33 | 130 | 280 | 93 | | 28,6 | 1040 | 1340 | 1300 | 1700 |
| 53628 H | 22328 CC/W33 | 140 | 300 | 102 | | 36,2 | 1220 | 1600 | 1200 | 1600 |
| 53630 H | 22330 CC/W33 | 150 | 320 | 108 | | 43,6 | 1370 | 1830 | 1100 | 1500 |
| 53632 H | 22332 CC/W33 | 160 | 340 | 114 | | 51,9 | 1400 | 2050 | 950 | 1300 |
| 53634 H | 22334 CC/W33 | 170 | 360 | 120 | | 62 | 1450 | 2120 | 950 | 1300 |
| 53636 H | 22336 CC/W33 | 180 | 380 | 126 | | 71,4 | 2000 | 2450 | 900 | 1200 |
| 53638 H | 22338 CC/W33 | 190 | 400 | 132 | | 84,1 | 2120 | 2650 | 850 | 1100 |
| 53640 H | 22340 CC/W33 | 200 | 420 | 138 | | 95,4 | 2320 | 2900 | 850 | 1100 |
| 53644 H | 22344 CC/W33 | 220 | 460 | 145 | | 128 | 2700 | 3450 | 750 | 950 |
| 53648 H | 22348 CC/W33 | 240 | 500 | 155 | | 157 | 2670 | 4000 | 670 | 850 |
| 53652 H | 22352 CC/W33 | 260 | 540 | 165 | | 196 | 3050 | 4550 | 630 | 800 |
| 53656 H | 22356 CC/W33 | 280 | 580 | 175 | | 239 | 3450 | 5200 | 600 | 750 |
| 53664 H | 22364 CC/W33 | 320 | 670 | 200 | | 288 | - | - | - | - |
| 53672 H | 22372 CC/W33 | 360 | 750 | 224 | | 430 | - | - | - | - |
| 53680 H | 22380 CC/W33 | 400 | 820 | 243 | | 641 | - | - | - | - |
| | | | | | | | | | | |

# ROLLER BALL BEARINGS
# DOUBLE-ROW SPHERICAL
# WITH BOARDS ON THE INNER RACE

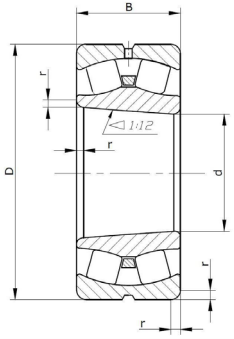
OPTIONS OF DESIGN: :

| | | |
|---|---|---|
| 53 000 | (2….C; CC) | - double-row with boards on the inner race and symmetrical rollers |
| 153 000 | (2….CK) | - double-row with boards on the inner race, symmetrical rollers and with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**53 000 (2….C; CC)**




**153 000 (2….CK)**

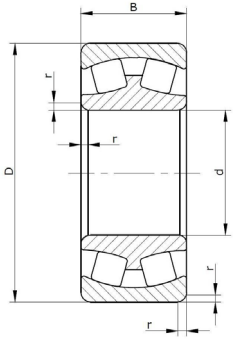
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3053117 H | 23017 CC/W33 | 85 | 130 | 34 | | 2 | - | - | - | - |
| 3053118 H | 23018 CC/W33 | 90 | 140 | 37 | | 2,2 | - | - | - | - |
| 3053120 H | 23020 CC/W33 | 100 | 150 | 37 | | 2,35 | - | - | - | - |
| 3053122 H | 23022 CCW33 | 110 | 170 | 45 | | 3,8 | 267 | 440 | 2200 | 3000 |
| 3053124 H | 23024 CC/W33 | 120 | 180 | 46 | | 4,2 | 355 | 500 | 2000 | 2800 |
| 3053126 H | 23026 CC/W33 | 130 | 200 | 52 | | 6 | 430 | 610 | 1900 | 2600 |
| 3053128 H | 23028 CC/W33 | 140 | 210 | 53 | | 6,55 | 465 | 680 | 1800 | 2400 |
| 3053130 H | 23030 CC/W33 | 150 | 225 | 56 | | 7,95 | 510 | 750 | 1700 | 2200 |
| 3053132 H | 23032 CC/W33 | 160 | 240 | 60 | | 9,7 | 585 | 880 | 1700 | 2200 |
| 3053134 H | 23034 CC/W33 | 170 | 260 | 67 | | 13 | 710 | 1060 | 1600 | 2000 |
| 3053136 H | 23036 CC/W33 | 180 | 280 | 74 | | 17,6 | 830 | 1250 | 1400 | 1800 |
| 3053138 H | 23038 CC/W33 | 190 | 290 | 75 | | 18,8 | 865 | 1340 | 1300 | 1700 |
| 3053140 H | 23040 CC/W33 | 200 | 310 | 82 | | 23,5 | 1000 | 1530 | 1200 | 1600 |
| 3053144 H | 23044 CC/W33 | 220 | 340 | 90 | | 30,5 | 1220 | 1860 | 1100 | 1500 |
| 3053148 H | 23048 CC/W33 | 240 | 360 | 92 | | 33 | 1290 | 2080 | 1000 | 1400 |
| 3053152 H | 23052 CC/W33 | 260 | 400 | 104 | | 49,5 | 1600 | 2550 | 900 | 1200 |
| 3053156 H | 23056 CC/W33 | 280 | 420 | 106 | | 52 | 1730 | 2850 | 850 | 1100 |
| 3053160 H | 23060 CC/W33 | 300 | 460 | 118 | | 72,5 | 2120 | 3450 | 800 | 1000 |
| 3053164 H | 23064 CC/W33 | 320 | 480 | 121 | | 78 | 2240 | 3800 | 800 | 1000 |
| 3053168 H | 23068 CC/W33 | 340 | 520 | 133 | | 109 | 2700 | 4550 | 700 | 900 |
| 3053172 H | 23072 CC/W33 | 360 | 540 | 134 | | 115 | 2750 | 4800 | 670 | 850 |
| 3053176 H | 23076 CC/W33 | 380 | 560 | 135 | | 122 | 2900 | 5000 | 630 | 800 |
| 3053180 H | 23080 CC/W33 | 400 | 600 | 148 | | 150 | 3250 | 5700 | 600 | 750 |
| 3053184 H | 23084 CC/W33 | 420 | 620 | 150 | | 164 | - | - | - | - |
| 3053188 H | 23088 CC/W33 | 440 | 650 | 157 | | 188 | - | - | - | - |
| 3053192 H | 23092 CC/W33 | 460 | 680 | 163 | | 216 | - | - | - | - |
| 3053196 H | 23096 CC/W33 | 480 | 700 | 165 | | 230 | - | - | - | - |
| 30531/500 H | 230/500 CC/W33 | 500 | 720 | 167 | | 235 | - | - | - | - |
| 30531/530 H | 230/530 CC/W33 | 530 | 780 | 185 | | 303 | - | - | - | - |
| 30531/560 H | 230/560 CC/W33 | 560 | 820 | 195 | | 383 | - | - | - | - |
| 30531/600 H | 230/600 CC/W33 | 600 | 870 | 200 | | 405 | - | - | - | - |
| 30531/630 H | 230/630 CC/W33 | 630 | 920 | 212 | | 495 | - | - | - | - |
| 30531/670 H | 230/670 CC/W33 | 670 | 980 | 230 | | 618 | - | - | - | - |

# ROLLER BALL BEARINGS
# DOUBLE-ROW SPHERICAL
# WITH BOARDS ON THE INNER RACE

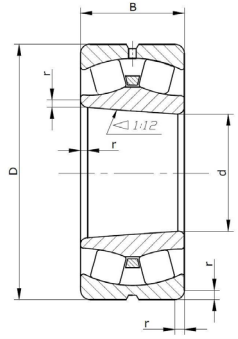
OPTIONS OF DESIGN: :

| | | |
|---|---|---|
| 53 000 | (2….C; CC) | - double-row with boards on the inner race and symmetrical rollers |
| 153 000 | (2….CK) | - double-row with boards on the inner race, symmetrical rollers and with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**53 000 (2….C; CC)**




**153 000 (2….CK)**

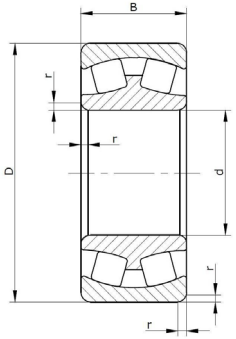
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3053218 H | 23218 CC/W33 | 90 | 160 | 52,4 | | 4,7 | 375 | 510 | 2200 | 3000 |
| 3053220 H | 23220 CC/W33 | 100 | 180 | 60,3 | | 6,9 | 465 | 655 | 1900 | 2600 |
| 3053222 H | 23222 CC/W33 | 110 | 200 | 69,8 | | 9,9 | 600 | 850 | 1700 | 2200 |
| 3053224 H | 23224 CC/W33 | 120 | 215 | 76 | | 12,3 | 680 | 1000 | 1600 | 2000 |
| 3053226 H | 23226 CC/W33 | 130 | 230 | 80 | | 14,6 | 765 | 1140 | 1500 | 1900 |
| 3053228 H | 23228 CC/W33 | 140 | 250 | 88 | | 19,2 | 915 | 1370 | 1350 | 1700 |
| 3053230 H | 23230 CC/W33 | 150 | 270 | 96 | | 24,6 | 1080 | 1630 | 1200 | 1600 |
| 3053232 H | 23232 CC/W33 | 160 | 290 | 104 | | 31 | 1220 | 1900 | 1200 | 1600 |
| 3053234 H | 23234 CC/W33 | 170 | 310 | 110 | | 37,7 | 1370 | 2120 | 1100 | 1500 |
| 3053236 H | 23236 CC/W33 | 180 | 320 | 112 | | 39,8 | 1430 | 2320 | 900 | 1200 |
| 3053238 H | 23238 CC/W33 | 190 | 340 | 120 | | 48,5 | 1660 | 2400 | 850 | 1100 |
| 3053240 H | 23240 CC/W33 | 200 | 360 | 128 | | 58,4 | 1860 | 2700 | 850 | 1100 |
| 3053244 H | 23244 CC/W33 | 220 | 400 | 144 | | 82 | 2360 | 3450 | 750 | 950 |
| 3053248 H | 23248 CC/W33 | 240 | 440 | 160 | | 111 | 2900 | 4300 | 670 | 850 |
| 3053252 H | 23252 CC/W33 | 260 | 480 | 174 | | 144 | 3250 | 4750 | 630 | 800 |
| 3053256 H | 23256 CC/W33 | 280 | 500 | 176 | | 154 | 3250 | 4900 | 600 | 750 |
| 3053260 H | 23260 CC/W33 | 300 | 540 | 192 | | 198 | 3900 | 5850 | 530 | 670 |
| 3053264 H | 23264 CC/W33 | 320 | 580 | 208 | | 249 | 3850 | 6700 | 500 | 630 |
| 3053268 H | 23268 CC/W33 | 340 | 620 | 224 | | 310 | - | - | - | - |
| 3053272 H | 23272 CC/W33 | 360 | 650 | 232 | | 344 | - | - | - | - |
| 3053276 H | 23276 CC/W33 | 380 | 680 | 240 | | 390 | - | - | - | - |
| 3053280 H | 23280 CC/W33 | 400 | 720 | 256 | | 464 | - | - | - | - |
| 3053284 H | 23284 CC/W33 | 420 | 760 | 272 | | 550 | - | - | - | - |
| 3053288 H | 23288 CC/W33 | 440 | 790 | 280 | | 610 | - | - | - | - |
| 3053292 H | 23292 CC/W33 | 460 | 830 | 296 | | 715 | - | - | - | - |
| 3053296 H | 23296 CC/W33 | 480 | 870 | 310 | | 830 | - | - | - | - |
| 30532/500 H | 232/500 CC/W33 | 500 | 920 | 336 | | 1020 | - | - | - | - |
| 30532/530 H | 232/530 CC/W33 | 530 | 980 | 355 | | 1230 | - | - | - | - |
| | | | | | | | | | | |
| 3053720 H | 23120 CC/W33 | 100 | 165 | 52 | | 5,83 | 375 | 560 | 2200 | 3000 |
| 3053722 H | 23122 CC/W33 | 110 | 180 | 56 | | 5,83 | 440 | 670 | 2000 | 2800 |
| 3053724 H | 23124 CC/W33 | 120 | 200 | 62 | | 8,33 | 530 | 780 | 1800 | 2400 |
| 3053726 H | 23126 CC/W33 | 130 | 210 | 64 | | 9,1 | 570 | 865 | 1700 | 2200 |
| 3053728 H | 23128 CC/W33 | 140 | 225 | 68 | | 10,8 | 640 | 1000 | 1600 | 2000 |

# ROLLER BALL BEARINGS
# DOUBLE-ROW SPHERICAL
# WITH BOARDS ON THE INNER RACE

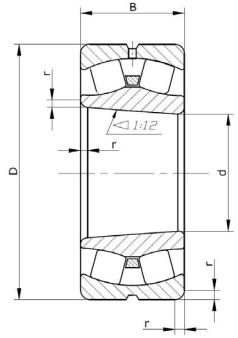
OPTIONS OF DESIGN: :

| | | |
|---|---|---|
| 53 000 | (2….C; CC) | - double-row with boards on the inner race and symmetrical rollers |
| 153 000 | (2….CK) | - double-row with boards on the inner race, symmetrical rollers and with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**53 000 (2….C; CC)**




**153 000 (2….CK)**

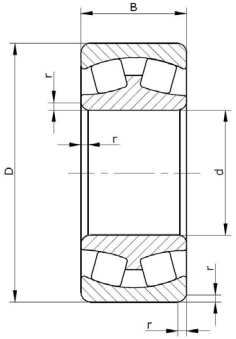
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3053730 H | 23130 CC/W33 | 150 | 250 | 80 | | 16,4 | 850 | 1320 | 1400 | 1800 |
| 3053732 H | 23132 CC/W33 | 160 | 270 | 86 | | 20,8 | 980 | 1530 | 1300 | 1700 |
| 3053734 H | 23134 CC/W33 | 170 | 280 | 88 | | 22,4 | 1020 | 1660 | 1300 | 1700 |
| 3053736 H | 23136 CC/W33 | 180 | 300 | 96 | | 28,4 | 1200 | 1930 | 1200 | 1600 |
| 3053738 H | 23138 CC/W33 | 190 | 320 | 104 | | 35,5 | 1340 | 2200 | 1100 | 1500 |
| 3053740 H | 23140 CC/W33 | 200 | 340 | 112 | | 43,7 | 1600 | 2360 | 950 | 1300 |
| 3053744 H | 23144 CC/W33 | 220 | 370 | 120 | | 54,8 | 1800 | 2750 | 900 | 1200 |
| 3053748 H | 23148 CC/W33 | 240 | 400 | 128 | | 67,6 | 2080 | 3200 | 850 | 1100 |
| 3053752 H | 23152 CC/W33 | 260 | 440 | 144 | | 93,6 | 2550 | 3900 | 800 | 1000 |
| 3053756 H | 23156 CC/W33 | 280 | 460 | 146 | | 100 | 2650 | 4250 | 750 | 950 |
| 3053760 H | 23160 CC/W33 | 300 | 500 | 160 | | 132 | 3200 | 5100 | 670 | 850 |
| 3053764 H | 23164 CC/W33 | 320 | 540 | 176 | | 171 | 3750 | 6000 | 630 | 800 |
| 3053768 H | 23168 CC/W33 | 340 | 580 | 190 | | 216 | 4250 | 6800 | 600 | 750 |
| 3053772 H | 23172 CC/W33 | 360 | 600 | 192 | | 228 | 4300 | 6950 | 560 | 700 |
| 3053776 H | 23176 CC/W33 | 380 | 620 | 194 | | 240 | - | - | - | - |
| 3053780 H | 23180 CC/W33 | 400 | 650 | 200 | | 273 | - | - | - | - |
| 3053784 H | 23184 CC/W33 | 420 | 700 | 224 | | 363 | - | - | - | - |
| 3053788 H | 23188 CC/W33 | 440 | 720 | 226 | | 378 | - | - | - | - |
| 3053792 H | 23192 CC/W33 | 460 | 760 | 240 | | 450 | - | - | - | - |
| 3053796 H | 23196 CC/W33 | 480 | 790 | 248 | | 503 | - | - | - | - |
| 30537/500 H | 231/500 CC/W33 | 500 | 830 | 264 | | 595 | - | - | - | - |
| 30537/530 H | 231/530 CC/W33 | 530 | 870 | 272 | | 665 | - | - | - | - |
| 30537/560 H | 231/560 CC/W33 | 560 | 920 | 280 | | 703 | - | - | - | - |
| 30537/600 H | 231/600 CC/W33 | 600 | 980 | 300 | | 921 | - | - | - | - |
| 30537/630 H | 231/630 CC/W33 | 630 | 1030 | 315 | | 1050 | - | - | - | - |
| | | | | | | | | | | |
| 4053124 H | 24024 CC/W33 | 120 | 180 | 60 | | 5,4 | 455 | 800 | 1700 | 2200 |
| 4053126 H | 24026 CC/W33 | 130 | 200 | 69 | | 7,95 | 570 | 1020 | 1400 | 1800 |
| 4053128 H | 24028 CC/W33 | 140 | 210 | 69 | | 8,45 | 600 | 1080 | 1400 | 1800 |
| 4053130 H | 24030 CC/W33 | 150 | 225 | 75 | | 10,5 | 680 | 1250 | 1300 | 1700 |
| 4053132 H | 24032 CC/W33 | 160 | 240 | 80 | | 13 | 780 | 1430 | 1200 | 1600 |
| 4053134 H | 24034 CC/W33 | 170 | 260 | 90 | | 17,5 | 850 | 1560 | 1000 | 1400 |
| 4053136 H | 24036 CC/W33 | 180 | 280 | 100 | | 23 | 1000 | 1830 | 950 | 1300 |
| 4053138 H | 24038 CC/W33 | 190 | 290 | 100 | | 24 | 1040 | 1960 | 900 | 1200 |

# ROLLER BALL BEARINGS
# DOUBLE-ROW SPHERICAL
# WITH BOARDS ON THE INNER RACE

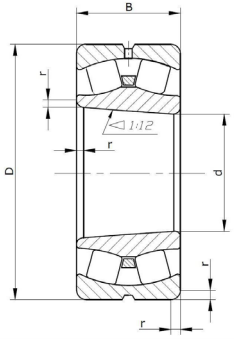
OPTIONS OF DESIGN: :

| | | |
|---|---|---|
| 53 000 | (2….C; CC) | - double-row with boards on the inner race and symmetrical rollers |
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OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**53 000 (2….C; CC)**




**153 000 (2….CK)**

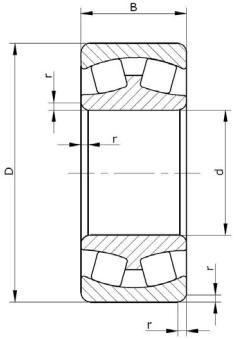
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4053140 H | 24040 CC/W33 | 200 | 310 | 109 | | 30,5 | 1200 | 2280 | 850 | 1100 |
| 4053144 H | 24044 CC/W33 | 220 | 340 | 118 | | 39,5 | 1400 | 2700 | 750 | 950 |
| 4053148 H | 24048 CC/W33 | 240 | 360 | 118 | | 42,5 | 1500 | 2900 | 700 | 900 |
| 4053152 H | 24052 CC/W33 | 260 | 400 | 140 | | 64,5 | 1900 | 3800 | 630 | 800 |
| 4053156 H | 24056 CC/W33 | 280 | 420 | 140 | | 68,5 | 2000 | 4000 | 600 | 750 |
| 4053160 H | 24060 CC/W33 | 300 | 460 | 160 | | 97 | 2500 | 5200 | 560 | 700 |
| 4053164 H | 24064 CC/W33 | 320 | 480 | 160 | | 100 | 2600 | 5400 | 530 | 670 |
| 4053168 H | 24068 CC/W33 | 340 | 520 | 180 | | 140 | 3100 | 6550 | 480 | 600 |
| 4053172 H | 24072 CC/W33 | 360 | 540 | 180 | | 145 | 3250 | 6800 | 450 | 560 |
| 4053176 H | 24076 CC/W33 | 380 | 560 | 180 | | 150 | 3350 | 7200 | 430 | 530 |
| | | | | | | | | | | |
| 4053722 H | 24122 CC/W33 | 110 | 180 | 69 | | 6,85 | 520 | 880 | 1400 | 1800 |
| 4053724 H | 24124 CC/W33 | 120 | 200 | 80 | | 10 | 655 | 1120 | 1200 | 1600 |
| 4053726 H | 24126 CC/W33 | 130 | 210 | 80 | | 11 | 695 | 1180 | 1200 | 1600 |
| 4053728 H | 24128 CC/W33 | 140 | 225 | 85 | | 13 | 780 | 1340 | 1100 | 1500 |
| 4053730 H | 24130 CC/W33 | 150 | 250 | 100 | | 19,5 | 915 | 1560 | 1100 | 1500 |
| 4053732 H | 24132 CC/W33 | 160 | 270 | 109 | | 25 | 1060 | 1800 | 1000 | 1400 |
| 4053734 H | 24134 CC/W33 | 170 | 280 | 109 | | 26,5 | 1060 | 1830 | 950 | 1300 |
| 4053736 H | 24136 CC/W33 | 180 | 300 | 118 | | 33,5 | 1250 | 2200 | 900 | 1200 |
| 4053738 H | 24138 CC/W33 | 190 | 320 | 128 | | 42 | 1400 | 2500 | 850 | 1100 |
| 4053740 H | 24140 CC/W33 | 200 | 340 | 140 | | 52 | 1700 | 3000 | 800 | 1000 |
| 4053744 H | 24144 CC/W33 | 220 | 370 | 150 | | 65 | 1900 | 3450 | 700 | 900 |
| 4053748 H | 24148 CC/W33 | 240 | 400 | 160 | | 80,5 | 2120 | 3900 | 670 | 850 |
| 4053752 H | 24152 CC/W33 | 260 | 440 | 180 | | 110 | 2700 | 5100 | 600 | 750 |
| 4053756 H | 24156 CC/W33 | 280 | 460 | 180 | | 120 | 2700 | 5200 | 560 | 700 |
| 4053760 H | 24160 CC/W33 | 300 | 500 | 200 | | 155 | 3250 | 6300 | 500 | 630 |

# ROLLER BALL BEARINGS
# DOUBLE-ROW SPHERICAL
# WITH BOARDS ON THE INNER RACE

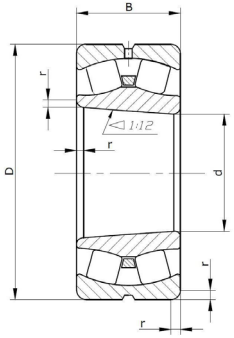
OPTIONS OF DESIGN: :

| | | |
|---|---|---|
| 53 000 | (2….C; CC) | - double-row with boards on the inner race and symmetrical rollers |
| 153 000 | (2….CK) | - double-row with boards on the inner race, symmetrical rollers and with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**53 000 (2….C; CC)**




**153 000 (2….CK)**

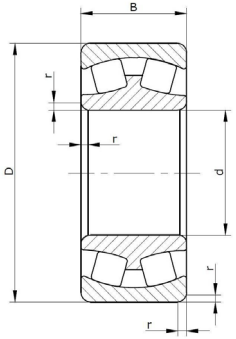
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 153505 | 22205 CCK | 25 | 52 | 18 | | 0,18 | 49 | 44 | 8500 | 11000 |
| 153506 | 22206 CCK | 30 | 62 | 20 | | 0,29 | 56 | 52 | 7500 | 9500 |
| 153507 | 22207 CCK | 35 | 72 | 23 | | 0,43 | 76 | 73 | 6300 | 8000 |
| 153508 | 22208 CCK | 40 | 80 | 23 | | 0,58 | 96 | 90 | 6000 | 7500 |
| 153509 | 22209 CCK | 45 | 85 | 23 | | 0,6 | 90 | 88 | 5300 | 6700 |
| 153510 | 22210 CCK | 50 | 90 | 23 | | 0,65 | 96,5 | 100 | 5000 | 6300 |
| 153511 | 22211 CCK | 55 | 100 | 25 | | 0,88 | 120 | 146 | 4500 | 5600 |
| 153512 | 22212 CCK | 60 | 110 | 28 | | 1,2 | 153 | 180 | 4000 | 5000 |
| 153513 | 22213 CCK | 65 | 120 | 31 | | 1,59 | 170 | 204 | 3600 | 4500 |
| 153514 | 22214 CCK | 70 | 125 | 31 | | 1,67 | 176 | 224 | 3600 | 4500 |
| 153515 | 22215 CCK | 75 | 130 | 31 | | 1,76 | 183 | 236 | 3400 | 4300 |
| 153516 | 22216 CCK | 80 | 140 | 33 | | 2,2 | 208 | 260 | 3200 | 4000 |
| 153517 | 22217 CCK | 85 | 150 | 36 | | 2,8 | 260 | 325 | 3000 | 3800 |
| 153518 | 22218 CCK | 90 | 160 | 40 | | 3,55 | 285 | 360 | 2600 | 3400 |
| 153519 | 22219 CCK | 95 | 170 | 43 | | 4,31 | 315 | 400 | 2400 | 3200 |
| 153520 | 22220 CCK | 100 | 180 | 46 | | 5,2 | 360 | 465 | 2200 | 3000 |
| 153522 | 22222 CCK | 110 | 200 | 53 | | 6,7 | 465 | 585 | 2000 | 2800 |
| 153524 H | 22224 CCK/W33 | 120 | 215 | 58 | | 8,44 | 540 | 720 | 1800 | 2400 |
| 153526 H | 22226 CCK/W33 | 130 | 230 | 64 | | 10,5 | 630 | 880 | 1700 | 2200 |
| 153528 H | 22228 CCK/W33 | 140 | 250 | 68 | | 13,5 | 735 | 1020 | 1600 | 2000 |
| 153530 H | 22230 CCK/W33 | 150 | 270 | 73 | | 16,9 | 850 | 1200 | 1500 | 1900 |
| 153532 H | 22232 CCK/W33 | 160 | 290 | 80 | | 21,7 | 965 | 1370 | 1400 | 1800 |
| 153534 H | 22234 CCK/W33 | 170 | 310 | 86 | | 26,2 | 1100 | 1530 | 1300 | 1700 |
| 153536 H | 22236 CCK/W33 | 180 | 320 | 86 | | 29,5 | 1140 | 1630 | 1200 | 1600 |
| 153538 H | 22238 CCK/W33 | 190 | 340 | 92 | | 36,5 | 1270 | 1700 | 1200 | 1600 |
| 153540 H | 22240 CCK/W33 | 200 | 360 | 98 | | 43,5 | 1460 | 1930 | 1100 | 1500 |
| 153544 H | 22244 CCK/W33 | 220 | 400 | 109 | | 60,5 | 1760 | 2360 | 950 | 1300 |
| 153548 H | 22248 CCK/W33 | 240 | 440 | 120 | | 83 | 2200 | 3000 | 900 | 1200 |
| 153552 H | 22252 CCK/W33 | 260 | 480 | 130 | | 110 | 2650 | 3550 | 850 | 1100 |
| 153556 H | 22256 CCK/W33 | 280 | 500 | 130 | | 114 | 2700 | 3750 | 800 | 1000 |
| 153560 H | 22260 CCK/W33 | 300 | 540 | 140 | | 145 | 2760 | 4250 | 750 | 950 |
| 153564 H | 22264 CCK/W33 | 320 | 580 | 150 | | 177 | 3160 | 4900 | 670 | 850 |
| 153568 H | 22268 CCK/W33 | 340 | 620 | 165 | | 210 | - | - | - | - |
| 153572 H | 22272 CCK/W33 | 360 | 650 | 170 | | 256 | - | - | - | - |

# ROLLER BALL BEARINGS
# DOUBLE-ROW SPHERICAL
# WITH BOARDS ON THE INNER RACE

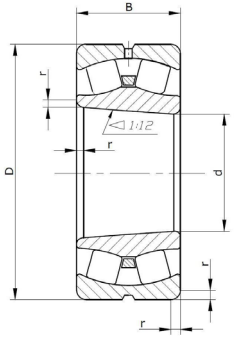
OPTIONS OF DESIGN: :

| | | |
|---|---|---|
| 53 000 | (2….C; CC) | - double-row with boards on the inner race and symmetrical rollers |
| 153 000 | (2….CK) | - double-row with boards on the inner race, symmetrical rollers and with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**53 000 (2….C; CC)**




**153 000 (2….CK)**

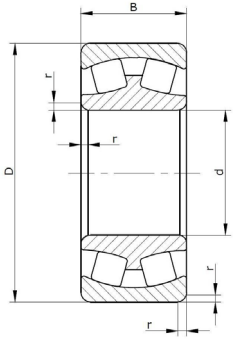
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 153576 H | 22276 CCK/W33 | 380 | 680 | 175 | | 296 | - | - | - | - |
| 153580 H | 22280 CCK/W33 | 400 | 720 | 185 | | 338 | - | - | - | - |
| | | | | | | | | | | |
| 153608 | 22308 CCK | 40 | 90 | 33 | | 978 | 129 | 143 | 4300 | 5300 |
| 153609 | 22309 CCK | 45 | 100 | 36 | | 1,3 | 156 | 1,9 | 3800 | 4800 |
| 153610 | 22310 CCK | 50 | 110 | 40 | | 1,75 | 190 | 216 | 3400 | 4300 |
| 153611 | 22311 CCK | 55 | 120 | 43 | | 2,22 | 224 | 255 | 3200 | 4000 |
| 153612 | 22312 CCK | 60 | 130 | 46 | | 2,79 | 260 | 300 | 2800 | 3600 |
| 153613 | 22313 CCK | 65 | 140 | 48 | | 3,4 | 290 | 355 | 2600 | 3400 |
| 153614 | 22314 CCK | 70 | 150 | 51 | | 4,06 | 325 | 375 | 2400 | 3200 |
| 153615 | 22315 CCK | 75 | 160 | 55 | | 4,99 | 375 | 440 | 2200 | 3000 |
| 153616 | 22316 CCK | 80 | 170 | 58 | | 5,93 | 415 | 500 | 2200 | 3000 |
| 153617 | 22317 CCK | 85 | 180 | 60 | | 6,81 | 455 | 540 | 2000 | 2800 |
| 153618 | 22318 CCK | 90 | 190 | 64 | | 8,05 | 510 | 620 | 1900 | 2600 |
| 153619 | 22319 CCK | 95 | 200 | 67 | | 9,33 | 560 | 680 | 1700 | 2200 |
| 153620 H | 22320 CCK/W33 | 100 | 215 | 73 | | 12 | 655 | 815 | 1700 | 2200 |
| 153622 H | 22322 CCK/W33 | 110 | 240 | 80 | | 17 | 800 | 1060 | 1500 | 1900 |
| 153624 H | 22324 CCK/W33 | 120 | 260 | 86 | | 21 | 900 | 1140 | 1400 | 1800 |
| 153626 H | 22326 CCK/W33 | 130 | 280 | 93 | | 26 | 1040 | 1340 | 1300 | 1700 |
| 153628 H | 22328 CCK/W33 | 140 | 300 | 102 | | 32,8 | 1220 | 1600 | 1200 | 1600 |
| 153630 H | 22330 CCK/W33 | 150 | 320 | 108 | | 39,3 | 1370 | 1830 | 1100 | 1500 |
| 153632 H | 22332 CCK/W33 | 160 | 340 | 114 | | - | - | - | - | - |
| 153634 H | 22334 CCK/W33 | 170 | 360 | 120 | | - | - | - | - | - |
| 153636 H | 22336 CCK/W33 | 180 | 380 | 126 | | - | - | - | - | - |
| 153638 H | 22338 CCK/W33 | 190 | 400 | 132 | | - | - | - | - | - |
| 153640 H | 22340 CCK/W33 | 200 | 420 | 138 | | - | - | - | - | - |
| 153644 H | 22344 CCK/W33 | 220 | 460 | 145 | | - | - | - | - | - |
| 153648 H | 22348 CCK/W33 | 240 | 500 | 155 | | - | - | - | - | - |
| 153652 H | 22352 CCK/W33 | 260 | 540 | 165 | | - | - | - | - | - |
| 153656 H | 22356 CCK/W33 | 280 | 580 | 175 | | - | - | - | - | - |
| 153664 H | 22364 CCK/W33 | 320 | 670 | 200 | | - | - | - | - | - |
| 153672 H | 22372 CCK/W33 | 360 | 750 | 224 | | - | - | - | - | - |
| 153680 H | 22380 CCK/W33 | 400 | 820 | 243 | | - | - | - | - | - |
| | | | | | | | | | | |

# ROLLER BALL BEARINGS
# DOUBLE-ROW SPHERICAL
# WITH BOARDS ON THE INNER RACE

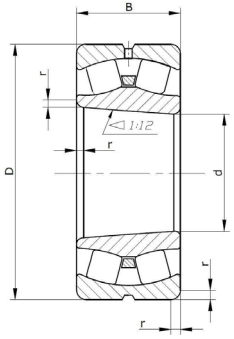
OPTIONS OF DESIGN: :

| | | |
|---|---|---|
| 53 000 | (2….C; CC) | - double-row with boards on the inner race and symmetrical rollers |
| 153 000 | (2….CK) | - double-row with boards on the inner race, symmetrical rollers and with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**53 000 (2….C; CC)**




**153 000 (2….CK)**

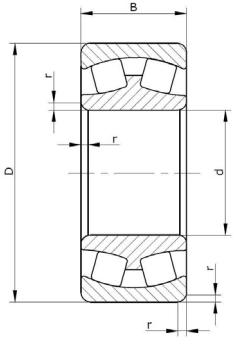
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3153117 H | 23017 CCK/W33 | 85 | 130 | 34 | | 2 | - | - | - | - |
| 3153118 H | 23018 CCK/W33 | 90 | 140 | 37 | | 2,2 | - | - | - | - |
| 3153120H | 23020 CCK/W33 | 100 | 150 | 37 | | 2,35 | - | - | - | - |
| 3153122H | 23022 CCK/W33 | 110 | 170 | 45 | | 3,8 | 267 | 440 | 2200 | 3000 |
| 3153124 H | 23024 CCK/W33 | 120 | 180 | 46 | | 4,2 | 355 | 500 | 2000 | 2800 |
| 3153126 H | 23026 CCK/W33 | 130 | 200 | 52 | | 6 | 430 | 610 | 1900 | 2600 |
| 3153128 H | 23028 CCK/W33 | 140 | 210 | 53 | | 6,55 | 465 | 680 | 1800 | 2400 |
| 3153130 H | 23030 CCK/W33 | 150 | 225 | 56 | | 7,95 | 510 | 750 | 1700 | 2200 |
| 3153132 H | 23032 CCK/W33 | 160 | 240 | 60 | | 9,7 | 585 | 880 | 1700 | 2200 |
| 3153134 H | 23034 CCK/W33 | 170 | 260 | 67 | | 13 | 710 | 1060 | 1600 | 2000 |
| 3153136 H | 23036 CCK/W33 | 180 | 280 | 74 | | 17,6 | 830 | 1250 | 1400 | 1800 |
| 3153138 H | 23038 CCK/W33 | 190 | 290 | 75 | | 18,8 | 865 | 1340 | 1300 | 1700 |
| 3153140 H | 23040 CCK/W33 | 200 | 310 | 82 | | 23,5 | 1000 | 1530 | 1200 | 1600 |
| 3153144 H | 23044 CCK/W33 | 220 | 340 | 90 | | 30,5 | 1220 | 1860 | 1100 | 1500 |
| 3153148 H | 23048 CCK/W33 | 240 | 360 | 92 | | 33 | 1290 | 2080 | 1000 | 1400 |
| 3153152 H | 23052 CCK/W33 | 260 | 400 | 104 | | 49,5 | 1600 | 2550 | 900 | 1200 |
| 3153156 H | 23056 CCK/W33 | 280 | 420 | 106 | | 52 | 1730 | 2850 | 850 | 1100 |
| 3153160 H | 23060 CCK/W33 | 300 | 460 | 118 | | 72,5 | 2120 | 3450 | 800 | 1000 |
| 3153164 H | 23064 CCK/W33 | 320 | 480 | 121 | | 78 | 2240 | 3800 | 800 | 1000 |
| 3153168 H | 23068 CCK/W33 | 340 | 520 | 133 | | 109 | 2700 | 4550 | 700 | 900 |
| 3153172 H | 23072 CCK/W33 | 360 | 540 | 134 | | 115 | 2750 | 4800 | 670 | 850 |
| 3153176 H | 23076 CCK/W33 | 380 | 560 | 135 | | 122 | 2900 | 5000 | 630 | 800 |
| 3153180 H | 23080 CCK/W33 | 400 | 600 | 148 | | 150 | 3250 | 5700 | 600 | 750 |
| 3153184 H | 23084 CCK/W33 | 420 | 620 | 150 | | 164 | - | - | - | - |
| 3153188 H | 23088 CCK/W33 | 440 | 650 | 157 | | 188 | - | - | - | - |
| 3153192 H | 23092 CCK/W33 | 460 | 680 | 163 | | 216 | - | - | - | - |
| 3153196 H | 23096 CCK/W33 | 480 | 700 | 165 | | 230 | - | - | - | - |
| 31531/500 H | 230/500 CCK/W33 | 500 | 720 | 167 | | 235 | - | - | - | - |
| 31531/530 H | 230/530 CCK/W33 | 530 | 780 | 185 | | 303 | - | - | - | - |
| 31531/560 H | 230/560 CCK/W33 | 560 | 820 | 195 | | 383 | - | - | - | - |
| 31531/600 H | 230/600 CCK/W33 | 600 | 870 | 200 | | 405 | - | - | - | - |
| 31531/630 H | 230/630 CCK/W33 | 630 | 920 | 212 | | 495 | - | - | - | - |
| 31531/670 H | 230/670 CCK/W33 | 670 | 980 | 230 | | 618 | - | - | - | - |

# ROLLER BALL BEARINGS
# DOUBLE-ROW SPHERICAL
# WITH BOARDS ON THE INNER RACE

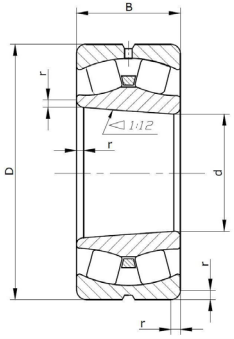
OPTIONS OF DESIGN: :

| | | |
|---|---|---|
| 53 000 | (2….C; CC) | - double-row with boards on the inner race and symmetrical rollers |
| 153 000 | (2….CK) | - double-row with boards on the inner race, symmetrical rollers and with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**53 000 (2….C; CC)**




**153 000 (2….CK)**

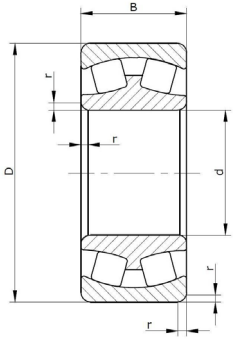
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3153218 H | 23218 CCK/W33 | 90 | 160 | 52,4 | | 4,27 | 375 | 510 | 2200 | 3000 |
| 3153220 H | 23220 CCK/W33 | 100 | 180 | 60,3 | | 6,29 | 465 | 655 | 1900 | 2600 |
| 3153222 H | 23222 CCK/W33 | 110 | 200 | 69,8 | | 9,18 | 600 | 850 | 1700 | 2200 |
| 3153224 H | 23224 CCK/W33 | 120 | 215 | 76 | | 11,4 | 680 | 1000 | 1600 | 2000 |
| 3153226 H | 23226 CCK/W33 | 130 | 230 | 80 | | 13,4 | 765 | 1140 | 1500 | 1900 |
| 3153228 H | 23228 CCK/W33 | 140 | 250 | 88 | | 17,7 | 915 | 1370 | 1350 | 1700 |
| 3153230 H | 23230 CCK/W33 | 150 | 270 | 96 | | 22,8 | 1080 | 1630 | 1200 | 1600 |
| 3153232 H | 23232 CCK/W33 | 160 | 290 | 104 | | 28,8 | 1220 | 1900 | 1200 | 1600 |
| 3153234 H | 23234 CCK/W33 | 170 | 310 | 110 | | 34,9 | 1370 | 2120 | 1100 | 1500 |
| 3153236 H | 23236 CCK/W33 | 180 | 320 | 112 | | 37,3 | 1430 | 2320 | 900 | 1200 |
| 3153238 H | 23238 CCK/W33 | 190 | 340 | 120 | | 48,5 | 1660 | 2400 | 850 | 1100 |
| 3153240 H | 23240 CCK/W33 | 200 | 360 | 128 | | 58,4 | 1860 | 2700 | 850 | 1100 |
| 3153244 H | 23244 CCK/W33 | 220 | 400 | 144 | | 82 | 2360 | 3450 | 750 | 950 |
| 3153248 H | 23248 CCK/W33 | 240 | 440 | 160 | | 111 | 2900 | 4300 | 670 | 850 |
| 3153252 H | 23252 CCK/W33 | 260 | 480 | 174 | | 144 | 3250 | 4750 | 630 | 800 |
| 3153256 H | 23256 CCK/W33 | 280 | 500 | 176 | | 154 | 3250 | 4900 | 600 | 750 |
| 3153260 H | 23260 CCK/W33 | 300 | 540 | 192 | | 198 | 3900 | 5850 | 530 | 670 |
| 3153264 H | 23264 CCK/W33 | 320 | 580 | 208 | | 249 | 3850 | 6700 | 500 | 630 |
| 3153268 H | 23268 CCK/W33 | 340 | 620 | 224 | | 310 | - | - | - | - |
| 3153272 H | 23272 CCK/W33 | 360 | 650 | 232 | | 344 | - | - | - | - |
| 3153276 H | 23276 CCK/W33 | 380 | 680 | 240 | | 390 | - | - | - | - |
| 3153280 H | 23280 CCK/W33 | 400 | 720 | 256 | | 464 | - | - | - | - |
| 3153284 H | 23284 CCK/W33 | 420 | 760 | 272 | | 550 | - | - | - | - |
| 3153288 H | 23288 CCK/W33 | 440 | 790 | 280 | | 610 | - | - | - | - |
| 3153292 H | 23292 CCK/W33 | 460 | 830 | 296 | | 715 | - | - | - | - |
| 3153296 H | 23296 CCK/W33 | 480 | 870 | 310 | | 830 | - | - | - | - |
| 31532/500 H | 232/500 CCK/W33 | 500 | 920 | 336 | | 1020 | - | - | - | - |
| 31532/530 H | 232/530 CCK/W33 | 530 | 980 | 355 | | 1230 | - | - | - | - |
| | | | | | | | | | | |
| 3153720 H | 23120 CCK/W33 | 100 | 165 | 52 | | 4,22 | 375 | 560 | 2200 | 3000 |
| 3153722 H | 23122 CCK/W33 | 110 | 180 | 56 | | 5,31 | 440 | 670 | 2000 | 2800 |
| 3153724 H | 23124 CCK/W33 | 120 | 200 | 62 | | 8,33 | 530 | 780 | 1800 | 2400 |
| 3153726 H | 23126 CCK/W33 | 130 | 210 | 64 | | 9,1 | 570 | 865 | 1700 | 2200 |
| 3153728 H | 23128 CCK/W33 | 140 | 225 | 68 | | 10,8 | 640 | 1000 | 1600 | 2000 |

# ROLLER BALL BEARINGS
# DOUBLE-ROW SPHERICAL
# WITH BOARDS ON THE INNER RACE

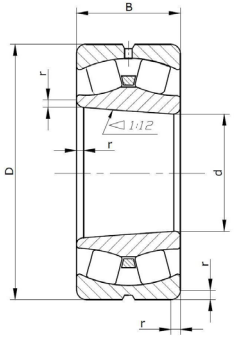
OPTIONS OF DESIGN: :

| | | |
|---|---|---|
| 53 000 | (2….C; CC) | - double-row with boards on the inner race and symmetrical rollers |
| 153 000 | (2….CK) | - double-row with boards on the inner race, symmetrical rollers and with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**53 000 (2….C; CC)**




**153 000 (2….CK)**

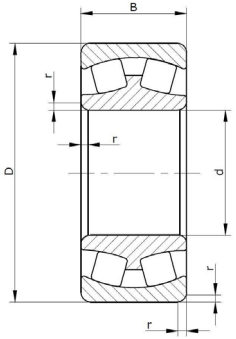
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3153730 H | 23130 CCK/W33 | 150 | 250 | 80 | | 16,4 | 850 | 1320 | 1400 | 1800 |
| 3153732 H | 23132 CCK/W33 | 160 | 270 | 86 | | 20,8 | 980 | 1530 | 1300 | 1700 |
| 3153734 H | 23134 CCK/W33 | 170 | 280 | 88 | | 22,4 | 1020 | 1660 | 1300 | 1700 |
| 3153736 H | 23136 CCK/W33 | 180 | 300 | 96 | | 28,4 | 1200 | 1930 | 1200 | 1600 |
| 3153738 H | 23138 CCK/W33 | 190 | 320 | 104 | | 35,5 | 1340 | 2200 | 1100 | 1500 |
| 3153740 H | 23140 CCK/W33 | 200 | 340 | 112 | | 43,7 | 1600 | 2360 | 950 | 1300 |
| 3153744 H | 23144 CCK/W33 | 220 | 370 | 120 | | 54,8 | 1800 | 2750 | 900 | 1200 |
| 3153748 H | 23148 CCK/W33 | 240 | 400 | 128 | | 67,6 | 2080 | 3200 | 850 | 1100 |
| 3153752 H | 23152 CCK/W33 | 260 | 440 | 144 | | 93,6 | 2550 | 3900 | 800 | 1000 |
| 3153756 H | 23156 CCK/W33 | 280 | 460 | 146 | | 100 | 2650 | 4250 | 750 | 950 |
| 3153760 H | 23160 CCK/W33 | 300 | 500 | 160 | | 132 | 3200 | 5100 | 670 | 850 |
| 3153764 H | 23164 CCK/W33 | 320 | 540 | 176 | | 171 | 3750 | 6000 | 630 | 800 |
| 3153768 H | 23168 CCK/W33 | 340 | 580 | 190 | | 216 | 4250 | 6800 | 600 | 750 |
| 3153772 H | 23172 CCK/W33 | 360 | 600 | 192 | | 228 | 4300 | 6950 | 560 | 700 |
| 3153776 H | 23176 CCK/W33 | 380 | 620 | 194 | | 240 | - | - | - | - |
| 3153780 H | 23180 CCK/W33 | 400 | 650 | 200 | | 273 | - | - | - | - |
| 3153784 H | 23184 CCK/W33 | 420 | 700 | 224 | | 363 | - | - | - | - |
| 3153788 H | 23188 CCK/W33 | 440 | 720 | 226 | | 378 | - | - | - | - |
| 3153792 H | 23192 CCK/W33 | 460 | 760 | 240 | | 450 | - | - | - | - |
| 3153796 H | 23196 CCK/W33 | 480 | 790 | 248 | | 503 | - | - | - | - |
| 31537/500 H | 231/500 CCK/W33 | 500 | 830 | 264 | | 595 | - | - | - | - |
| 31537/530 H | 231/530 CCK/W33 | 530 | 870 | 272 | | 665 | - | - | - | - |
| 31537/560 H | 231/560 CCK/W33 | 560 | 920 | 280 | | 703 | - | - | - | - |
| 31537/600 H | 231/600 CCK/W33 | 600 | 980 | 300 | | 921 | - | - | - | - |
| 31537/630 H | 231/630 CCK/W33 | 630 | 1030 | 315 | | 1050 | - | - | - | - |
| | | | | | | | | | | |
| 4153124 H | 24024 CCK/W33 | 120 | 180 | 60 | | 5,4 | 455 | 800 | 1700 | 2200 |
| 4153126 H | 24026 CCK/W33 | 130 | 200 | 69 | | 7,95 | 570 | 1020 | 1400 | 1800 |
| 4153128 H | 24028 CCK/W33 | 140 | 210 | 69 | | 8,45 | 600 | 1080 | 1400 | 1800 |
| 4153130 H | 24030 CCK/W33 | 150 | 225 | 75 | | 10,5 | 680 | 1250 | 1300 | 1700 |
| 4153132 H | 24032 CCK/W33 | 160 | 240 | 80 | | 13 | 780 | 1430 | 1200 | 1600 |
| 4153134 H | 24034 CCK/W33 | 170 | 260 | 90 | | 17,5 | 850 | 1560 | 1000 | 1400 |
| 4153136 H | 24036 CCK/W33 | 180 | 280 | 100 | | 23 | 1000 | 1830 | 950 | 1300 |
| 4153138 H | 24038 CCK/W33 | 190 | 290 | 100 | | 24 | 1040 | 1960 | 900 | 1200 |

# ROLLER BALL BEARINGS
# DOUBLE-ROW SPHERICAL
# WITH BOARDS ON THE INNER RACE

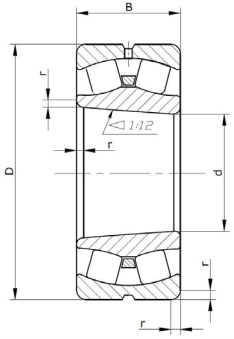
OPTIONS OF DESIGN: :

| | | |
|---|---|---|
| 53 000 | (2….C; CC) | - double-row with boards on the inner race and symmetrical rollers |
| 153 000 | (2….CK) | - double-row with boards on the inner race, symmetrical rollers and with the conical bore with taper ratio 1:12 |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**53 000 (2….C; CC)**




**153 000 (2….CK)**

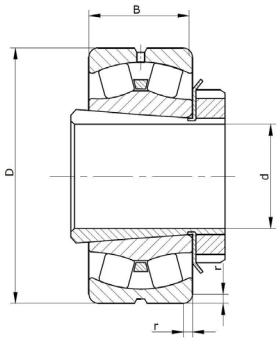
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4153140 H | 24040 CCK/W33 | 200 | 310 | 109 | | 30,5 | 1200 | 2280 | 850 | 1100 |
| 4153144 H | 24044 CCK/W33 | 220 | 340 | 118 | | 39,5 | 1400 | 2700 | 750 | 950 |
| 4153148 H | 24048 CCK/W33 | 240 | 360 | 118 | | 42,5 | 1500 | 2900 | 700 | 900 |
| 4153152 H | 24052 CCK/W33 | 260 | 400 | 140 | | 64,5 | 1900 | 3800 | 630 | 800 |
| 4153156 H | 24056 CCK/W33 | 280 | 420 | 140 | | 68,5 | 2000 | 4000 | 600 | 750 |
| 4153160 H | 24060 CCK/W33 | 300 | 460 | 160 | | 97 | 2500 | 5200 | 560 | 700 |
| 4153164 H | 24064 CCK/W33 | 320 | 480 | 160 | | 100 | 2600 | 5400 | 530 | 670 |
| 4153168 H | 24068 CCK/W33 | 340 | 520 | 180 | | 140 | 3100 | 6550 | 480 | 600 |
| | | | | | | | | | | |
| 4153722 H | 24122 CCK/W33 | 110 | 180 | 69 | | 6,85 | 520 | 880 | 1400 | 1800 |
| 4153724 H | 24124 CCK/W33 | 120 | 200 | 80 | | 10 | 655 | 1120 | 1200 | 1600 |
| 4153726 H | 24126 CCK/W33 | 130 | 210 | 80 | | 11 | 695 | 1180 | 1200 | 1600 |
| 4153728 H | 24128 CCK/W33 | 140 | 225 | 85 | | 13 | 780 | 1340 | 1100 | 1500 |
| 4153730 H | 24130 CCK/W33 | 150 | 250 | 100 | | 19,5 | 915 | 1560 | 1100 | 1500 |
| 4153732 H | 24132 CCK/W33 | 160 | 270 | 109 | | 25 | 1060 | 1800 | 1000 | 1400 |
| 4153734 H | 24134 CCK/W33 | 170 | 280 | 109 | | 26,5 | 1060 | 1830 | 950 | 1300 |
| 4153736 H | 24136 CCK/W33 | 180 | 300 | 118 | | 33,5 | 1250 | 2200 | 900 | 1200 |
| 4153738 H | 24138 CCK/W33 | 190 | 320 | 128 | | 42 | 1400 | 2500 | 850 | 1100 |
| 4153740 H | 24140 CCK/W33 | 200 | 340 | 140 | | 52 | 1700 | 3000 | 800 | 1000 |
| 4153744 H | 24144 CCK/W33 | 220 | 370 | 150 | | 65 | 1900 | 3450 | 700 | 900 |
| 4153748 H | 24148 CCK/W33 | 240 | 400 | 160 | | 80,5 | 2120 | 3900 | 670 | 850 |
| 4153752 H | 24152 CCK/W33 | 260 | 440 | 180 | | 110 | 2700 | 5100 | 600 | 750 |
| 4153756 H | 24156 CCK/W33 | 280 | 460 | 180 | | 120 | 2700 | 5200 | 560 | 700 |
| 4153760 H | 24160 CCK/W33 | 300 | 500 | 200 | | 155 | 3250 | 6300 | 500 | 630 |

# ROLLER BALL BEARINGS DOUBLE-ROW SPHERICAL WITH BOARDS ON THE INNER RACE WITH THE CONICAL BORE

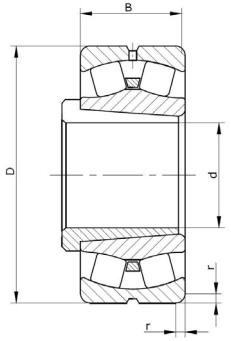
DESIGN OPTIONS:

| | | |
|---|---|---|
| 353 000 | (2….CK; +H…) | - Version 153 000 with fixing barells |
| 753 000 | (2….CK;+ AH….) | - Version 153 000 with coupling barells |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**353 000 (2….CK; +H…)**




**753 000 (2….CK;+ AH….)**

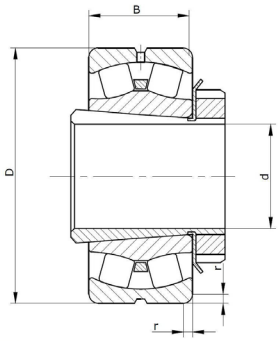
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 353506 | 22207 CCK+H307 | 30 | 72 | 23/35 | | 0,548 | 76 | 73 | 6300 | 8000 |
| 353507 | 22208 CCK+H308 | 35 | 80 | 23/36 | | 0,68 | 96 | 90 | 6000 | 7500 |
| 353508 | 22209 CCK+H309 | 40 | 85 | 23/39 | | 0,79 | 93 | 106 | 5600 | 7000 |
| 353509 | 22210 CCK+H310 | 45 | 90 | 23/42 | | 0,822 | 98 | 114 | 5300 | 6300 |
| 353510 | 22211 CCK+H311 | 50 | 100 | 25/45 | | 1,15 | 120 | 146 | 4500 | 5600 |
| 353511 | 22212 CCK+H312 | 55 | 110 | 28/47 | | 1,45 | 153 | 180 | 4000 | 5000 |
| 353512 | 22213 CCK+H313 | 60 | 120 | 31/50 | | 1,9 | 170 | 204 | 3600 | 4500 |
| 353513 | 22215 CCK+H314 | 65 | 130 | 31/55 | | 2,44 | 176 | 224 | 3600 | 4500 |
| 353514 | 22216 CCK+H316 | 70 | 140 | 33/59 | | 3 | 183 | 236 | 3400 | 4300 |
| 353515 | 22217 CCK+H317 | 75 | 150 | 36/63 | | 3,65 | 208 | 260 | 3200 | 4000 |
| 353516 | 22218 CCK+H318 | 80 | 160 | 40/65 | | 4,55 | 260 | 325 | 3000 | 3800 |
| 353517 | 22219 CCK+H319 | 85 | 170 | 43/68 | | 5,42 | 315 | 400 | 2400 | 3200 |
| 353518 | 22220 CCK+H320 | 90 | 180 | 46/71 | | 6,38 | 360 | 465 | 2200 | 3000 |
| 353520 | 22222 CCK+H322 | 100 | 200 | 53/77 | | 8,88 | 455 | 585 | 2000 | 2800 |
| 353522 H | 22224 CCK/W33+H3124 | 110 | 215 | 58/88 | | 11,1 | 540 | 720 | 1800 | 2400 |
| 353523 H | 22226 CCK/W33+H3126 | 115 | 230 | 64/92 | | 14,2 | 630 | 680 | 1700 | 2200 |
| 353525 H | 22228 CCK/W33+H3128 | 125 | 250 | 68/97 | | 17,7 | 735 | 1020 | 1600 | 2000 |
| 353527 H | 22230 CCK/W33+H3130 | 135 | 270 | 73/111 | | 22,4 | 850 | 1200 | 1500 | 1900 |
| 353528 H | 22232 CCK/W33+H3132 | 140 | 290 | 80/119 | | 29,4 | 965 | 1370 | 1400 | 1800 |
| 353530 H | 22234 CCK/W33+H3134 | 150 | 310 | 86/122 | | 34,6 | 1100 | 1530 | 1300 | 1700 |
| 353532 H | 22236 CCK/W33+H3136 | 160 | 320 | 86/131 | | 37 | 1140 | 1630 | 1200 | 1600 |
| 353534 H | 22238 CCK/W33+H3138 | 170 | 340 | 92/141 | | - | - | - | - | - |
| 353536 H | 22240 CCK/W33+H3140 | 180 | 360 | 98/150 | | - | - | - | - | - |
| 353540 H | 22244 CCK/W33+H3144 | 200 | 400 | 108/161 | | - | - | - | - | - |
| 353544 H | 22248 CCK/W33+H3148 | 220 | 440 | 120/172 | | - | - | - | - | - |
| 353548 H | 22252 CCK/W33+H3152 | 240 | 480 | 130/190 | | - | - | - | - | - |
| 353552 H | 22256 CCK/W33+H3156 | 260 | 500 | 130/195 | | - | - | - | - | - |
| 353556 H | 22260 CCK/W33+H3160 | 280 | 540 | 140/208 | | - | - | - | - | - |
| 353560 H | 22264 CCK/W33+H3164 | 300 | 580 | 150/226 | | - | - | - | - | - |
| | | | | | | | | | | |
| 353607 | 22308 CCK+H2308 | 35 | 90 | 33/40 | | 1,2 | 129 | 143 | 4300 | 5300 |
| 353608 | 22309 CCK+H2309 | 40 | 100 | 36/44 | | 1,58 | 156 | 1,9 | 3800 | 4800 |
| 353609 | 22310 CCK+H2310 | 45 | 110 | 40/50 | | 2,11 | 190 | 216 | 3400 | 4300 |
| 353610 | 22311 CCK+H2311 | 50 | 120 | 43/59 | | 2,64 | 224 | 255 | 3200 | 4000 |

# ROLLER BALL BEARINGS DOUBLE-ROW SPHERICAL WITH BOARDS ON THE INNER RACE WITH THE CONICAL BORE

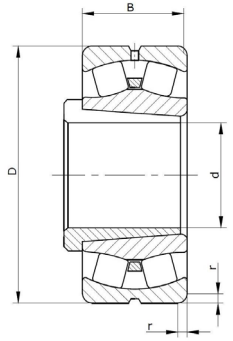
DESIGN OPTIONS:

| | | |
|---|---|---|
| 353 000 | (2….CK; +H…) | - Version 153 000 with fixing barells |
| 753 000 | (2….CK;+ AH….) | - Version 153 000 with coupling barells |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**353 000 (2….CK; +H…)**




**753 000 (2….CK;+ AH….)**

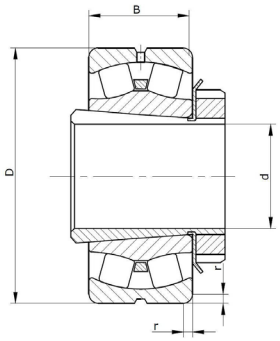
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 353611 | 22312 CCK+H2312 | 55 | 130 | 46/62 | | 3,27 | 260 | 300 | 2800 | 3600 |
| 353612 | 22313 CCK+H2313 | 60 | 140 | 48/65 | | 3,96 | 290 | 355 | 2600 | 3400 |
| 353613 | 22315 CCK+H2315 | 65 | 160 | 55/73 | | 6,04 | 375 | 440 | 2200 | 3000 |
| 353614 | 22316 CCK+H2316 | 70 | 170 | 58/78 | | 7,21 | 415 | 500 | 2200 | 3000 |
| 353615 | 22317 CCK+H2317 | 75 | 180 | 60/82 | | 8,26 | 455 | 540 | 2000 | 2800 |
| 353616 | 22318 CCK+H2318 | 80 | 190 | 64/86 | | 9,74 | 510 | 620 | 1900 | 2600 |
| 353617 | 22319 CCK+H2319 | 85 | 200 | 67/90 | | 11,3 | 560 | 680 | 1700 | 2200 |
| 353618 H | 22320 CCK/W33+H2320 | 90 | 215 | 73/97 | | 14,2 | 655 | 815 | 1700 | 2200 |
| 353620 H | 22322 CCK/W33+H2322 | 100 | 240 | 80/105 | | 19,7 | 800 | 1060 | 1500 | 1900 |
| 353622 H | 22324 CCK/W33+H2324 | 110 | 260 | 86/112 | | 24,2 | 900 | 1140 | 1400 | 1800 |
| 353623 H | 22326 CCK/W33+H2326 | 115 | 280 | 93/121 | | 30,6 | 1040 | 1340 | 1300 | 1700 |
| 353625 H | 22328 CCK/W33+H2328 | 125 | 300 | 102/131 | | 38,4 | 1220 | 1600 | 1200 | 1600 |
| 353627 H | 22330 CCK/W33+H2330 | 135 | 320 | 108/139 | | 45,9 | 1370 | 1830 | 1100 | 1500 |
| 353628 H | 22332 CCK/W33+H2332 | 140 | 340 | 114/147 | | - | - | - | - | - |
| 353630 H | 22334 CCK/W33+H2334 | 150 | 360 | 120/154 | | - | - | - | - | - |
| 353632 H | 22336 CCK/W33+H2336 | 160 | 380 | 126/161 | | - | - | - | - | - |
| 653634 H | 22338 CCK/W33+H2338 | 170 | 400 | 132/169 | | - | - | - | - | - |
| 353636 H | 22340 CCK/W33+H2340 | 180 | 420 | 138/176 | | - | - | - | - | - |
| 353640 H | 22344 CCK/W33+H2344 | 200 | 460 | 145/186 | | - | - | - | - | - |
| 353644 H | 22348 CCK/W33+H2348 | 220 | 500 | 155/199 | | - | - | - | - | - |
| 353648 H | 22352 CCK/W33+H2352 | 240 | 540 | 165/211 | | - | - | - | - | - |
| 353652 H | 22356 CCK/W33+H2356 | 260 | 580 | 175/224 | | - | - | - | - | - |
| | | | | | | | | | | |
| 3353123 | 23026 CCK+H3026 | 115 | 200 | 52/82 | | 8,4 | 455 | 720 | 1900 | 2600 |
| 3353134 | 23038 CCK+H3038 | 170 | 290 | 75/112 | | 25,3 | 915 | 1530 | 1300 | 1700 |
| | | | | | | | | | | |
| 3353228 | 23232 CCK+H2332 | 140 | 290 | 104/147 | | 38 | 1220 | 1900 | 1200 | 1600 |
| | | | | | | | | | | |
| 3353718 | 23120 CCK+H3120 | 90 | 165 | 52/76 | | 6,02 | 375 | 560 | 2200 | 3000 |
| 3353720 | 23122 CCK+H3122 | 100 | 180 | 56/81 | | 7,56 | 440 | 670 | 2000 | 2800 |
| 3353722 | 23124 CCK+H3124 | 110 | 200 | 62/88 | | 10 | 530 | 780 | 1800 | 2400 |
| 3353723 | 23126 CCK+H3126 | 115 | 210 | 64/92 | | 11,8 | 570 | 865 | 1700 | 2200 |
| 3353725 | 23128 CCK+H3128 | 125 | 225 | 68/97 | | 14,2 | 640 | 1000 | 1600 | 2000 |
| 3353727 | 23130 CCK+H3130 | 135 | 250 | 80/111 | | 20,5 | 850 | 1320 | 1400 | 1800 |

# ROLLER BALL BEARINGS DOUBLE-ROW SPHERICAL WITH BOARDS ON THE INNER RACE WITH THE CONICAL BORE

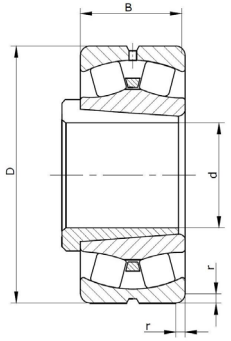
DESIGN OPTIONS:

| | | |
|---|---|---|
| 353 000 | (2….CK; +H…) | - Version 153 000 with fixing barells |
| 753 000 | (2….CK;+ AH….) | - Version 153 000 with coupling barells |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**353 000 (2….CK; +H…)**




**753 000 (2….CK;+ AH….)**

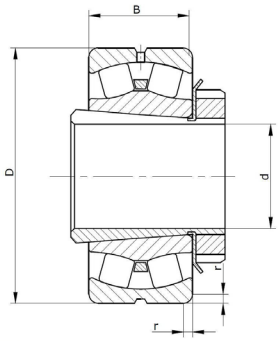
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3353728 | 23132 CCK+H3132 | 140 | 270 | 86/119 | | 26,8 | 980 | 1530 | 1300 | 1700 |
| 3353730 | 23134 CCK+H3134 | 150 | 280 | 88/122 | | 29,5 | 1020 | 1660 | 1300 | 1700 |
| 3353732 | 23136 CCK+H3136 | 160 | 300 | 96/131 | | 36,5 | 1200 | 1930 | 1200 | 1600 |
| 3353734 | 23138 CCK+H3138 | 170 | 320 | 104/141 | | 43,8 | 1340 | 2200 | 1100 | 1500 |
| 3353736 | 23140 CCK+H3140 | 180 | 340 | 112/150 | | 53,2 | 1320 | 2280 | 900 | 1200 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 753507 | 22208 CCK+AH308 | 35 | 80 | 23/29 | | 579 | 76 | 73 | 6300 | 8000 |
| 753508 | 22209 CCK+AH309 | 40 | 85 | 23/31 | | 0,648 | 96 | 90 | 6000 | 7500 |
| 753509 | 22210 CCK+AH310 | 45 | 90 | 23/35 | | 0,715 | 93 | 106 | 5600 | 7000 |
| 753510 | 22211 CCK+AH311 | 50 | 100 | 25/37 | | 0,963 | 98 | 114 | 5300 | 6300 |
| 753511 | 22212 CCK+AH312 | 55 | 110 | 28/40 | | 1,25 | 120 | 146 | 4500 | 5600 |
| 753512 | 22213 CCK+AH313 | 60 | 120 | 31/42 | | 1,69 | 153 | 180 | 4000 | 5000 |
| 753513 | 22214 CCK+AH314 | 65 | 125 | 31/43 | | 1,8 | 170 | 204 | 3600 | 4500 |
| 753514 | 22215 CCK+AH315 | 70 | 130 | 31/45 | | 1,92 | 176 | 224 | 3600 | 4500 |
| 753515 | 22216 CCK+AH316 | 75 | 140 | 33/48 | | 2,34 | 183 | 236 | 3400 | 4300 |
| 753516 | 22217 CCK+AH317 | 80 | 150 | 36/52 | | 2,9 | 208 | 260 | 3200 | 4000 |
| 753517 | 22218 CCK+AH318 | 85 | 160 | 40/53 | | 3,64 | 260 | 325 | 3000 | 3800 |
| 753518 | 22219 CCK+AH319 | 90 | 170 | 43/57 | | 4,39 | 315 | 400 | 2400 | 3200 |
| 753519 | 22220 CCK+AH320 | 95 | 180 | 46/59 | | 5,27 | 360 | 465 | 2200 | 3000 |
| 753521 | 22222 CCK+AH322X | 105 | 200 | 53/63 | | 7,5 | 455 | 585 | 2000 | 2800 |
| 753523 H | 22224 CCK/W33+AH324X | 115 | 215 | 58/69 | | 9,39 | 540 | 720 | 1800 | 2400 |
| 753525 H | 22226 CCK/W33+AH326X | 125 | 230 | 64/74 | | 9,19 | 630 | 680 | 1700 | 2200 |
| 753527 H | 22228 CCK/W33+AH328X | 135 | 250 | 68/77 | | 11,1 | 735 | 1020 | 1600 | 2000 |
| 753529 H | 22230 CCK/W33+AH330X | 145 | 270 | 73/83 | | 18,7 | 850 | 1200 | 1500 | 1900 |
| 753530 H | 22232 CCK/W33+AH332 | 150 | 290 | 80/88 | | 24,6 | 965 | 1370 | 1400 | 1800 |
| 753532 H | 22234 CCK/W33+AH334 | 160 | 310 | 86/93 | | 29,2 | 1100 | 1530 | 1300 | 1700 |
| 753534 H | 22236 CCK/W33+AH2236 | 170 | 320 | 86/105 | | - | - | - | - | - |
| 753536 H | 22238 CCK/W33+AH2238 | 180 | 340 | 92/112 | | - | - | - | - | - |
| 753538 H | 22240 CCK/W33+AH2240 | 190 | 360 | 98/118 | | - | - | - | - | - |
| 753540 H | 22244 CCK/W33+AH2244 | 200 | 400 | 108/130 | | - | - | - | - | - |
| | | | | | | | | | | |
| 753607 | 22308 CCK+AH2308 | 35 | 90 | 33/40 | | 1,11 | 129 | 143 | 4300 | 5300 |
| 753608 | 22309 CCK+AH2309 | 40 | 100 | 36/44 | | 1,46 | 156 | 1,9 | 3800 | 4800 |

# ROLLER BALL BEARINGS DOUBLE-ROW SPHERICAL WITH BOARDS ON THE INNER RACE WITH THE CONICAL BORE

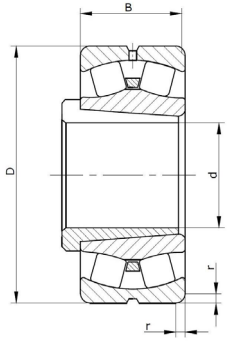
DESIGN OPTIONS:

| | | |
|---|---|---|
| 353 000 | (2….CK; +H…) | - Version 153 000 with fixing barells |
| 753 000 | (2….CK;+ AH….) | - Version 153 000 with coupling barells |

OPTIONS OF SEPARATOR DESIGN:
- steel separator of window type from two semiseparators and floating guiding ring for bearings with a flatbed inner race (C, CC)




**353 000 (2….CK; +H…)**



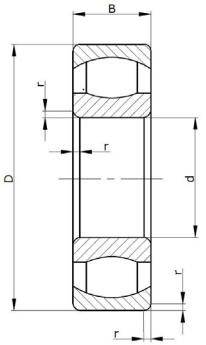

**753 000 (2….CK;+ AH….)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 753609 | 22310 CCK+AH2310X | 45 | 110 | 40/50 | | 1,96 | 190 | 216 | 3400 | 4300 |
| 753610 | 22311 CCK+AH2311X | 50 | 120 | 43/54 | | 2,47 | 224 | 255 | 3200 | 4000 |
| 753611 | 22312 CCK+AH2312X | 55 | 130 | 46/58 | | 3,09 | 260 | 300 | 2800 | 3600 |
| 753612 | 22313 CCK+AH2313 | 60 | 140 | 48/61 | | 3,8 | 290 | 355 | 2600 | 3400 |
| 753613 | 22314 CCK+AH2314X | 65 | 150 | 51/64 | | 4,53 | 325 | 375 | 2400 | 3200 |
| 753614 | 22315 CCK+AH2315X | 70 | 160 | 55/68 | | 5,52 | 375 | 440 | 2200 | 3000 |
| 753615 | 22316 CCK+AH2316X | 75 | 170 | 58/71 | | 6,53 | 415 | 500 | 2200 | 3000 |
| 753616 | 22317 CCK+AH2317X | 80 | 180 | 60/74 | | 7,48 | 455 | 540 | 2000 | 2800 |
| 753617 | 22318 CCK+AH2318X | 85 | 190 | 64/79 | | 8,83 | 510 | 620 | 1900 | 2600 |
| 753618 | 22319 CCK+AH2319X | 90 | 200 | 67/85 | | 10,2 | 560 | 680 | 1700 | 2200 |
| 753619 H | 22320 CCK/W33+AH2320 | 95 | 215 | 73/90 | | 13 | 655 | 815 | 1700 | 2200 |
| 753621 H | 22322 CCK/W33+AH2322 | 105 | 240 | 80/98 | | 18,4 | 800 | 1060 | 1500 | 1900 |
| 753623 H | 22324 CCK/W33+AH2324 | 115 | 260 | 86/105 | | 22,6 | 900 | 1140 | 1400 | 1800 |
| 753625 H | 22326 CCK/W33+AH2326 | 125 | 280 | 93/115 | | 28 | 1040 | 1340 | 1300 | 1700 |
| 753627 H | 22328 CCK/W33+AH2328 | 135 | 300 | 102/125 | | 35,1 | 1220 | 1600 | 1200 | 1600 |
| 753629 H | 22330 CCK/W33+AH2330 | 145 | 320 | 108/135 | | 42,1 | 1370 | 1830 | 1100 | 1500 |
| 753630 H | 22332 CCK/W33+AH2332 | 150 | 340 | 114/140 | | - | - | - | - | - |
| 753632 H | 22334 CCK/W33+AH2334 | 160 | 360 | 120/146 | | - | - | - | - | - |
| 753634 H | 22336 CCK/W33+AH2336 | 170 | 380 | 126/154 | | - | - | - | - | - |
| 753636 H | 22338 CCK/W33+AH2338 | 180 | 400 | 132/160 | | - | - | - | - | - |
| 753638 H | 22340 CCK/W33+AH2340 | 190 | 420 | 138/170 | | - | - | - | - | - |
| 753640 H | 22344 CCK/W33+AH2344 | 200 | 460 | 145/181 | | - | - | - | - | - |
| 753644 H | 22348 CCK/W33+AH2348 | 220 | 500 | 155/189 | | - | - | - | - | - |
| 753648 H | 22352 CCK/W33+AH2352 | 240 | 540 | 165/205 | | - | - | - | - | - |
| 753652 H | 22356 CCK/W33+AH2356 | 260 | 580 | 175/212 | | - | - | - | - | - |

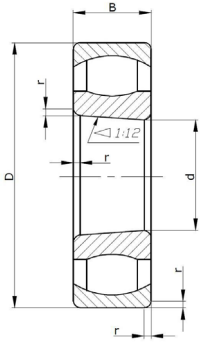
DESIGN OPTIONS:

| | | |
|---|---|---|
| 23 000 | (20 000) | - single-row with with boards on the inner race |
| | (20 000 K) | - with boards on the inner race and the conical (1:12) bore |
| 43 000 | (C 2000) | - single-row toroidal roller bearings CARB |

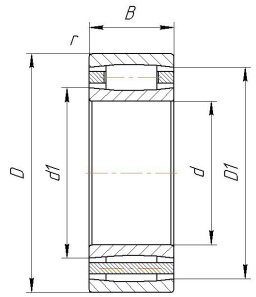
OPTIONS OF SEPARATOR DESIGN:
- integral mechanically processed made of brass (M) (M);
- brass combined (M);
- glassnylon composite cast (T);
- steel stamped separator of window type




**23 000 (20 000)**




**(20 000 K)**



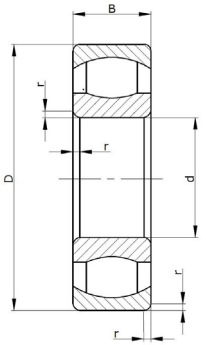

**43 000 (C 2000)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | 20205 | 25 | 52 | 15 | | 0,155 | 24 | 25 | 5600 | 6700 |
| - | 20204 T | 20 | 47 | 14 | | 0,133 | 20,4 | 19,3 | 6300 | 7500 |
| - | 20206 T | 30 | 62 | 16 | | 0,21 | 27,5 | 28,5 | 4800 | 5600 |
| - | 20207 T | 35 | 72 | 17 | | 0,307 | 40,5 | 43 | 4000 | 4800 |
| - | 20208 T | 40 | 80 | 18 | | 0,379 | 49 | 53 | 3600 | 4300 |
| - | 20209 | 45 | 85 | 19 | | 0,483 | 52 | 57 | 3400 | 4000 |
| - | 20210 T | 50 | 90 | 20 | | 0,492 | 58,5 | 68 | 3000 | 3600 |
| - | 20211 T | 55 | 100 | 21 | | 0,641 | 73,5 | 85 | 2800 | 3400 |
| - | 20212 T | 60 | 110 | 22 | | 0,824 | 85 | 100 | 2600 | 3200 |
| - | 20213 T | 65 | 120 | 23 | | 1,11 | 95 | 116 | 2400 | 3000 |
| - | 20214 T | 70 | 125 | 24 | | 1,15 | 106 | 134 | 2200 | 2800 |
| 23215 | 20215 T | 75 | 130 | 25 | | 1,26 | 112 | 143 | 2200 | 2800 |
| - | 20216 T | 80 | 140 | 26 | | 1,35 | 125 | 163 | 2000 | 2600 |
| 23217 | 20217 MB | 85 | 150 | 28 | | 2,16 | 156 | 200 | 1900 | 2400 |
| - | 20218 MB | 90 | 160 | 30 | | 2,63 | 173 | 220 | 1700 | 2000 |
| - | 20219 MB | 95 | 170 | 32 | | 3,18 | 208 | 265 | 1600 | 1900 |
| - | 20220 MB | 100 | 180 | 34 | | 3,83 | 224 | 290 | 1600 | 1900 |
| - | 20221 MB | 105 | 190 | 36 | | 4,55 | 245 | 315 | 1500 | 1800 |
| - | 20222 MB | 110 | 200 | 38 | | 5,34 | 285 | 375 | 1400 | 1700 |
| - | 20224 MB | 120 | 215 | 40 | | 6,48 | 305 | 415 | 1300 | 1600 |
| - | 20226 MB | 130 | 230 | 40 | | 7,26 | 335 | 450 | 1200 | 1500 |
| - | 20228 MB | 140 | 250 | 42 | | 9,09 | 390 | 530 | 1100 | 1400 |
| - | 20230 MB | 150 | 270 | 45 | | 11,7 | 430 | 610 | 1000 | 1300 |
| - | 20232 MB | 160 | 290 | 48 | | 14,4 | 500 | 720 | 950 | 1200 |
| - | 20234 MB | 170 | 310 | 52 | | 18 | 570 | 830 | 900 | 1100 |
| - | 20236 MB | 180 | 320 | 52 | | 18,6 | 585 | 850 | 850 | 1000 |
| - | 20238 MB | 190 | 340 | 55 | | 22,4 | 640 | 950 | 800 | 950 |
| - | 20240 MB | 200 | 360 | 58 | | 26,6 | 735 | 1080 | 800 | 950 |
| - | 20244 MB | 220 | 400 | 65 | | 37,3 | 880 | 1320 | 700 | 850 |
| - | 20248 MB | 240 | 440 | 72 | | 50,4 | 1060 | 1600 | 630 | 750 |
| - | 20252 MB | 260 | 480 | 80 | | 67,3 | 1270 | 1930 | 600 | 700 |
| - | 20256 MB | 280 | 500 | 80 | | 70,3 | 1290 | 2000 | 560 | 670 |
| | | | | | | | | | | |
| - | 20305 | 25 | 62 | 17 | | 0,271 | 36 | 34,5 | 5000 | 6000 |

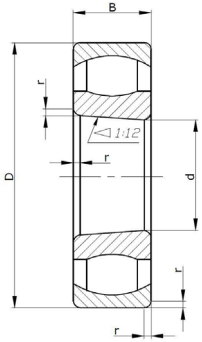
DESIGN OPTIONS:

| | | |
|---|---|---|
| 23 000 | (20 000) | - single-row with with boards on the inner race |
| | (20 000 K) | - with boards on the inner race and the conical (1:12) bore |
| 43 000 | (C 2000) | - single-row toroidal roller bearings CARB |

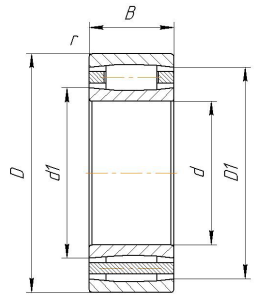
OPTIONS OF SEPARATOR DESIGN:
- integral mechanically processed made of brass (M) (M);
- brass combined (M);
- glassnylon composite cast (T);
- steel stamped separator of window type




**23 000 (20 000)**




**(20 000 K)**



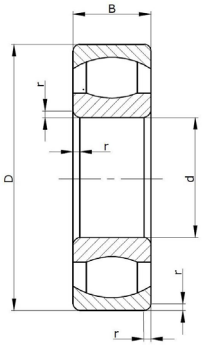

**43 000 (C 2000)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | 20304 T | 20 | 52 | 15 | | 0,152 | 27 | 24,5 | 6000 | 7000 |
| - | 20305 R.C3 | 25 | 62 | 17 | | 0,271 | 36 | 34,5 | 5000 | 6000 |
| - | 20405 MB | 25 | 80 | 21 | | 0,633 | 58,5 | 61 | 3800 | 4500 |
| 23306 | 20306 T | 30 | 72 | 19 | | 0,378 | 49 | 49 | 4300 | 5000 |
| - | 20307 T | 35 | 80 | 21 | | 0,491 | 58,5 | 61 | 3800 | 4500 |
| - | 20407 MB | 35 | 100 | 25 | | 1,14 | 86,5 | 95 | 3000 | 3600 |
| - | 20308 T | 40 | 90 | 23 | | 0,674 | 76,5 | 81,5 | 3400 | 4000 |
| - | 20408 MB | 40 | 110 | 27 | | 1,46 | 108 | 118 | 2800 | 3400 |
| - | 20309 T | 45 | 100 | 25 | | 0,904 | 86,5 | 95 | 3000 | 3600 |
| - | 20409 MB | 45 | 120 | 29 | | 1,88 | 120 | 137 | 2400 | 3000 |
| - | 20310 T | 50 | 110 | 27 | | 1,16 | 108 | 118 | 2800 | 3400 |
| - | 20311 T | 55 | 120 | 29 | | 1,52 | 120 | 137 | 2400 | 3000 |
| - | 20312 T | 60 | 130 | 31 | | 1,9 | 146 | 170 | 2200 | 2800 |
| - | 20313 MB | 65 | 140 | 33 | | 2,58 | 170 | 196 | 2200 | 2800 |
| - | 20314 MB | 70 | 150 | 35 | | 3,14 | 183 | 216 | 2000 | 2600 |
| - | 20315 MB | 75 | 160 | 37 | | 3,76 | 216 | 255 | 1800 | 2200 |
| 23316 | 20316 MB | 80 | 170 | 39 | | 4,44 | 245 | 285 | 1700 | 2000 |
| - | 20317 MB | 85 | 180 | 41 | | 5,19 | 270 | 320 | 1600 | 1900 |
| - | 20318 MB | 90 | 190 | 43 | | 6,08 | 300 | 360 | 1600 | 1900 |
| - | 20319 MB | 95 | 200 | 45 | | 7,01 | 335 | 400 | 1500 | 1800 |
| - | 20320 MB | 100 | 215 | 47 | | 8,6 | 365 | 440 | 1400 | 1700 |
| - | 20321 MB | 105 | 225 | 49 | | 9,77 | 390 | 475 | 1300 | 1600 |
| - | 20322 MB | 110 | 240 | 50 | | 11,5 | 430 | 520 | 1200 | 1500 |
| - | 20324 MB | 120 | 260 | 55 | | 15,1 | 490 | 630 | 1100 | 1400 |
| - | 20326 MB | 130 | 280 | 58 | | 18,3 | 550 | 720 | 1100 | 1400 |
| - | 20328 MB | 140 | 300 | 62 | | 22,4 | 640 | 850 | 1000 | 1300 |
| - | 20330 MB | 150 | 320 | 65 | | 26,6 | 720 | 950 | 900 | 1200 |
| - | 20332 MB | 160 | 340 | 68 | | 31,3 | 800 | 1060 | 850 | 1000 |
| - | 20334 MB | 170 | 360 | 72 | | 37 | 880 | 1180 | 800 | 950 |
| - | 20336 MB | 180 | 380 | 75 | | 42,8 | 965 | 1290 | 800 | 950 |
| - | 20338 MB | 190 | 400 | 78 | | 49,2 | 1040 | 1400 | 750 | 900 |
| - | 20340 MB | 200 | 420 | 80 | | 55,5 | 1080 | 1460 | 700 | 850 |
| - | 20344 MB | 220 | 460 | 88 | | 73 | 1290 | 1760 | 630 | 750 |
| - | 20348 MB | 240 | 500 | 95 | | 92,9 | 1530 | 2120 | 600 | 700 |

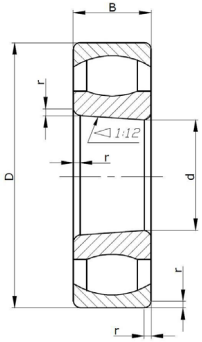
DESIGN OPTIONS:

| | | |
|---|---|---|
| 23 000 | (20 000) | - single-row with with boards on the inner race |
| | (20 000 К) | - with boards on the inner race and the conical (1:12) bore |
| 43 000 | (C 2000) | - single-row toroidal roller bearings CARB |

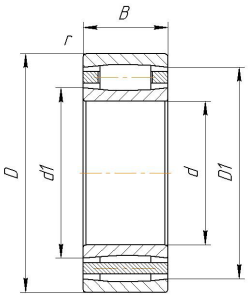
OPTIONS OF SEPARATOR DESIGN:
- integral mechanically processed made of brass (M) (M);
- brass combined (M);
- glassnylon composite cast (T);
- steel stamped separator of window type




**23 000 (20 000)**




**(20 000 К)**



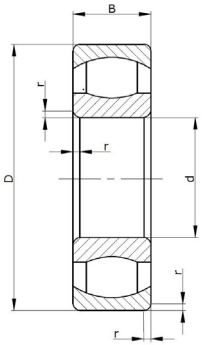

**43 000 (С 2000)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| - | 20406 | 30 | 90 | 23 | | 0,842 | 76,5 | 81,5 | 3400 | 4000 |
| - | 20410 MB | 50 | 130 | 31 | | 2,32 | 146 | 170 | 2200 | 2800 |
| - | 20411 MB | 55 | 140 | 33 | | 2,83 | 170 | 196 | 2200 | 2800 |
| - | 20412 MB | 60 | 150 | 35 | | 3,42 | 183 | 216 | 2000 | 2600 |
| - | 20413 MB | 65 | 160 | 37 | | 4,08 | 216 | 255 | 1800 | 2200 |
| - | 20414 MB | 70 | 180 | 42 | | 5,92 | 270 | 320 | 1600 | 1900 |
| - | 20415 MB | 75 | 190 | 45 | | 7,05 | 300 | 360 | 1600 | 1900 |
| - | 20416 MB | 80 | 200 | 48 | | 8,26 | 335 | 400 | 1500 | 1800 |
| - | 20417 MB | 85 | 210 | 52 | | 9,85 | 380 | 450 | 1500 | 1800 |
| - | 20418 MB | 90 | 225 | 54 | | 11,7 | 390 | 475 | 1300 | 1600 |
| - | 20419 MB | 95 | 240 | 55 | | 13,7 | 430 | 520 | 1200 | 1500 |
| - | 20420 MB | 100 | 250 | 58 | | 15,6 | 500 | 600 | 1200 | 1500 |
| | | | | | | | | | | |
| 23508 | - | 40 | 80 | 23 | | 0,58 | 77 | 76 | 3500 | 4500 |
| 23514 | - | 70 | 125 | 31 | | 1,82 | 126 | 140 | 2100 | 2700 |
| | | | | | | | | | | |
| 23707 | - | 35 | 72 | 19 | | 0,362 | 53 | 48 | 4300 | 5000 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| - | 20205 K.C3 | 25 | 52 | 15 | | 0,155 | 24 | 25 | 5600 | 6700 |
| - | 20206 K.T.C3 | 30 | 62 | 16 | | 0,21 | 27,5 | 28,5 | 4800 | 5600 |
| - | 20207 K.T.C3 | 35 | 72 | 17 | | 0,307 | 40,5 | 43 | 4000 | 4800 |
| - | 20208 K.T.C3 | 40 | 80 | 18 | | 0,379 | 49 | 53 | 3600 | 4300 |
| - | 20209 K.C3 | 45 | 85 | 19 | | 0,483 | 52 | 57 | 3400 | 4000 |
| - | 20210 K.T.C3 | 50 | 90 | 20 | | 0,492 | 58,5 | 68 | 3000 | 3600 |
| - | 20211 K.T.C3 | 55 | 100 | 21 | | 0,641 | 73,5 | 85 | 2800 | 3400 |
| - | 20212 K.T.C3 | 60 | 110 | 22 | | 0,824 | 85 | 100 | 2600 | 3200 |
| - | 20213 K.T.C3 | 65 | 120 | 23 | | 1,11 | 95 | 116 | 2400 | 3000 |
| - | 20214 K.T.C3 | 70 | 125 | 24 | | 1,15 | 106 | 134 | 2200 | 2800 |
| - | 20215 K.T.C3 | 75 | 130 | 25 | | 1,26 | 112 | 143 | 2200 | 2800 |
| - | 20216 K.T.C3 | 80 | 140 | 26 | | 1,35 | 125 | 163 | 2000 | 2600 |
| - | 20217 K.T.C3 | 85 | 150 | 28 | | 2,16 | 156 | 200 | 1900 | 2400 |
| - | 20218 K.MB.C3 | 90 | 160 | 30 | | 2,63 | 173 | 220 | 1700 | 2000 |

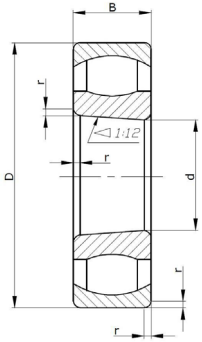
DESIGN OPTIONS:

| | | |
|---|---|---|
| 23 000 | (20 000) | - single-row with with boards on the inner race |
| | (20 000 K) | - with boards on the inner race and the conical (1:12) bore |
| 43 000 | (C 2000) | - single-row toroidal roller bearings CARB |

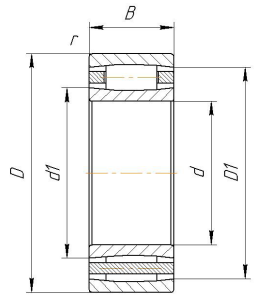
OPTIONS OF SEPARATOR DESIGN:
- integral mechanically processed made of brass (M) (M);
- brass combined (M);
- glassnylon composite cast (T);
- steel stamped separator of window type




**23 000 (20 000)**




**(20 000 K)**



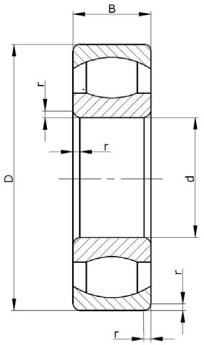

**43 000 (C 2000)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | 20219 K.MB.C3 | 95 | 170 | 32 | | 3,18 | 208 | 265 | 1600 | 1900 |
| - | 20220 K.MB.C3 | 100 | 180 | 34 | | 3,83 | 224 | 290 | 1600 | 1900 |
| - | 20221 K.MB.C3 | 105 | 190 | 36 | | 4,55 | 245 | 315 | 1500 | 1800 |
| - | 20222 K.MB.C3 | 110 | 200 | 38 | | 5,34 | 285 | 375 | 1400 | 1700 |
| - | 20224 K.MB.C3 | 120 | 215 | 40 | | 6,48 | 305 | 415 | 1300 | 1600 |
| - | 20226 K.MB.C3 | 130 | 230 | 40 | | 7,26 | 335 | 450 | 1200 | 1500 |
| - | 20228 K.MB.C3 | 140 | 250 | 42 | | 9,09 | 390 | 530 | 1100 | 1400 |
| - | 20230 K.MB.C3 | 150 | 270 | 45 | | 11,7 | 430 | 610 | 1000 | 1300 |
| - | 20232 K.MB.C3 | 160 | 290 | 48 | | 14,4 | 500 | 720 | 950 | 1200 |
| - | 20234 K.MB.C3 | 170 | 310 | 52 | | 18 | 570 | 830 | 900 | 1100 |
| - | 20236 K.MB.C3 | 180 | 320 | 52 | | 18,6 | 585 | 850 | 850 | 1000 |
| - | 20238 K.MB.C3 | 190 | 340 | 55 | | 22,4 | 640 | 950 | 800 | 950 |
| - | 20240 K.MB.C3 | 200 | 360 | 58 | | 26,6 | 735 | 1080 | 800 | 950 |
| - | 20244 K.MB.C3 | 220 | 400 | 65 | | 37,3 | 880 | 1320 | 700 | 850 |
| - | 20248 K.MB.C3 | 240 | 440 | 72 | | 50,4 | 1060 | 1600 | 630 | 750 |
| - | 20252 K.MB.C3 | 260 | 480 | 80 | | 67,3 | 1270 | 1930 | 600 | 700 |
| - | 20256 K.MB.C3 | 280 | 500 | 80 | | 70,3 | 1290 | 2000 | 560 | 670 |
| | | | | | | | | | | |
| - | 20306 K.T.C3 | 30 | 72 | 19 | | 0,378 | 49 | 49 | 4300 | 5000 |
| - | 20307 K.T.C3 | 35 | 80 | 21 | | 0,491 | 58,5 | 61 | 3800 | 4500 |
| - | 20308 K.T.C3 | 40 | 90 | 23 | | 0,674 | 76,5 | 81,5 | 3400 | 4000 |
| - | 20309 K.T.C3 | 45 | 100 | 25 | | 0,904 | 86,5 | 95 | 3000 | 3600 |
| - | 20310 K.T.C3 | 50 | 110 | 27 | | 1,16 | 108 | 118 | 2800 | 3400 |
| - | 20311 K.T.C3 | 55 | 120 | 29 | | 1,52 | 120 | 137 | 2400 | 3000 |
| - | 20312 K.T.C3 | 60 | 130 | 31 | | 1,9 | 146 | 170 | 2200 | 2800 |
| - | 20313 K.MB.C3 | 65 | 140 | 33 | | 2,58 | 170 | 196 | 2200 | 2800 |
| - | 20314 K.MB.C3 | 70 | 150 | 35 | | 3,14 | 183 | 216 | 2000 | 2600 |
| - | 20315 K.MB.C3 | 75 | 160 | 37 | | 3,76 | 216 | 255 | 1800 | 2200 |
| - | 20316 K.MB.C3 | 80 | 170 | 39 | | 4,44 | 245 | 285 | 1700 | 2000 |
| - | 20317 K.MB.C3 | 85 | 180 | 41 | | 5,19 | 270 | 320 | 1600 | 1900 |
| - | 20318 K.MB.C3 | 90 | 190 | 43 | | 6,08 | 300 | 360 | 1600 | 1900 |
| - | 20319 K.MB.C3 | 95 | 200 | 45 | | 7,01 | 335 | 400 | 1500 | 1800 |
| - | 20320 K.MB.C3 | 100 | 215 | 47 | | 8,6 | 365 | 440 | 1400 | 1700 |
| - | 20322 K.MB.C3 | 110 | 240 | 50 | | 11,5 | 430 | 520 | 1200 | 1500 |

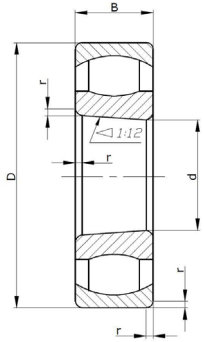
DESIGN OPTIONS:

| | | |
|---|---|---|
| 23 000 | (20 000) | - single-row with with boards on the inner race |
| | (20 000 К) | - with boards on the inner race and the conical (1:12) bore |
| 43 000 | (С 2000) | - single-row toroidal roller bearings CARB |

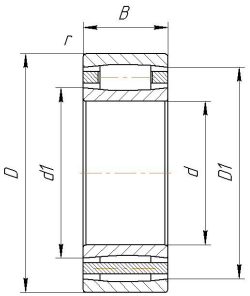
OPTIONS OF SEPARATOR DESIGN:
- integral mechanically processed made of brass (М) (М);
- brass combined (М);
- glassnylon composite cast (Т);
- steel stamped separator of window type




**23 000 (20 000)**

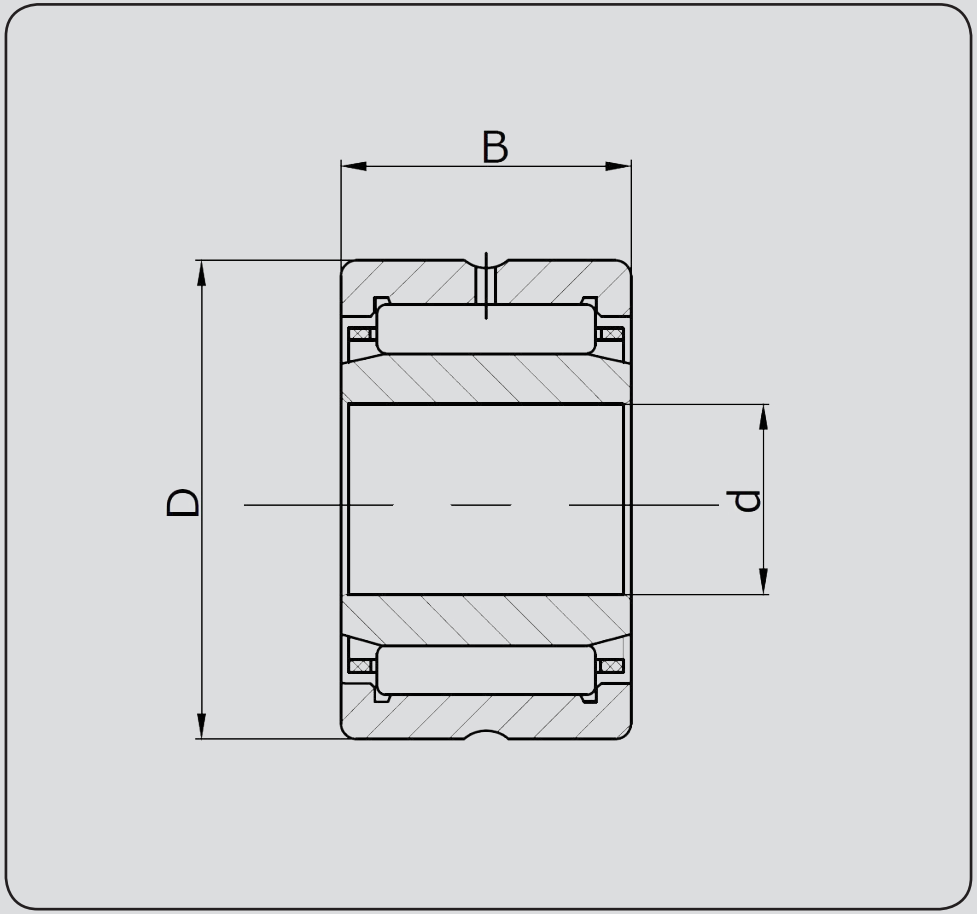



**(20 000 К)**




**43 000 (С 2000)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | 20324 K.MB.C3 | 120 | 260 | 55 | | 15,1 | 490 | 630 | 1100 | 1400 |
| - | 20326 K.MB.C3 | 130 | 280 | 58 | | 18,3 | 550 | 720 | 1100 | 1400 |
| - | 20328 K.MB.C3 | 140 | 300 | 62 | | 22,4 | 640 | 850 | 1000 | 1300 |
| - | 20330 K.MB.C3 | 150 | 320 | 65 | | 26,6 | 720 | 950 | 900 | 1200 |
| - | 20332 K.MB.C3 | 160 | 340 | 68 | | 31,3 | 800 | 1060 | 850 | 1000 |
| - | 20334 K.MB.C3 | 170 | 360 | 72 | | 37 | 880 | 1180 | 800 | 950 |
| - | 20336 K.MB.C3 | 180 | 380 | 75 | | 42,8 | 965 | 1290 | 800 | 950 |
| - | 20338 K.MB.C3 | 190 | 400 | 78 | | 49,2 | 1040 | 1400 | 750 | 900 |
| - | 20340 K.MB.C3 | 200 | 420 | 80 | | 55,5 | 1080 | 1460 | 700 | 850 |
| - | 20344 K.MB.C3 | 220 | 460 | 88 | | 73 | 1290 | 1760 | 630 | 750 |
| - | 20348 K.MB.C3 | 240 | 500 | 95 | | 92,9 | 1530 | 2120 | 600 | 700 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 43205 E | - | 25 | 52 | 16 | | 0,13 | 27,2 | 23,6 | 9000 | 12000 |
| - | С 2205 V | 25 | 52 | 18 | | 0,18 | 50 | 48 | - | 7000 |
| 43305 ЕК | - | 25 | 62 | 18 | | 0,24 | 42 | 37 | 8000 | 10000 |
| - | С 2212 V | 60 | 110 | 28 | | 1,16 | 166 | 190 | - | 2800 |
| - | С 2214 V | 70 | 125 | 31 | | 1,55 | 212 | 228 | - | 2400 |
| - | С 2218 М | 90 | 160 | 40 | | 3,62 | 282 | 380 | - | 1500 |
| - | С 2220 М | 100 | 180 | 46 | | 5,26 | 357 | 465 | 3600 | 4800 |
| - | С 2228 М | 140 | 250 | 68 | | 15,66 | 725 | 1060 | 2400 | 3400 |




# ROLLER RADIAL NEEDLE BEARINGS

**(TYPE BEARINGS «4»)**

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CONROD BEARING PART OF THE PISTON PIN ..... 402
CONROD BEARING PART OF THE BENT SHAFT ..... 402

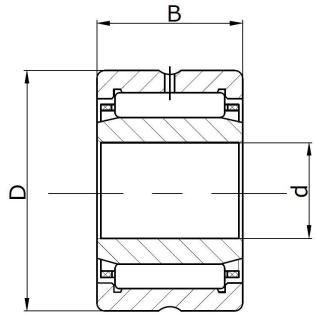
## IV. CARDAN BEARINGS

..... 406

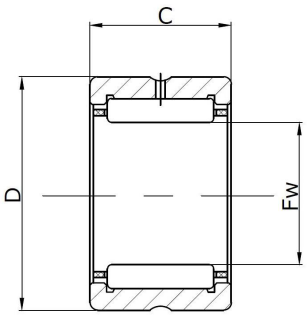
DESIGN OPTIONS:

| | | |
|---|---|---|
| 244… | (NA 4…) | - with external and internal races, with separator |
| 254… | (RNA4…) | - without inner race, with separator |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- made of nonferrous metals.




**244… (NA 4…)**



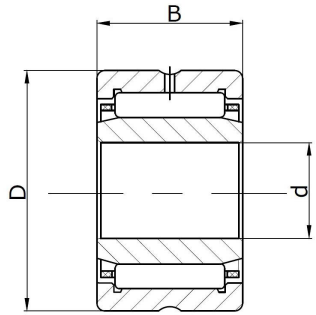

**254… (RNA4…)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4244103 | NA 4003 | 17 | 35 | 18 | | 0,098 | - | - | - | - |
| 4244104 | NA 4004 | 20 | 42 | 22 | | 0,176 | - | - | - | - |
| 4244105 | NA 4005 | 25 | 47 | 22 | | 0,2 | - | - | - | - |
| 4244106 | NA 4006 | 30 | 55 | 25 | | 0,311 | - | - | - | - |
| 4244107 | NA 4007 | 35 | 62 | 27 | | 0,419 | - | - | - | - |
| 4244108 | NA 4008 | 40 | 68 | 28 | | 0,495 | - | - | - | - |
| 4244109 | NA 4009 | 45 | 75 | 30 | | 0,631 | - | - | - | - |
| 4244110 | NA 4010 | 50 | 80 | 30 | | 0,687 | - | - | - | - |
| 4244111 | NA 4011 | 55 | 90 | 35 | | 0,965 | - | - | - | - |
| 4244112 | NA 4012 | 60 | 95 | 35 | | 1,113 | - | - | - | - |
| 4244113 | NA 4013 | 65 | 100 | 35 | | 1,187 | - | - | - | - |
| 4244114 | NA 4014 | 70 | 110 | 40 | | 1,74 | - | - | - | - |
| 4244115 | NA 4015 | 75 | 115 | 40 | | 1,8 | - | - | - | - |
| 4244116 | NA 4016 | 80 | 125 | 45 | | 2,46 | - | - | - | - |
| 4244117 | NA 4017 | 85 | 130 | 45 | | 2,58 | - | - | - | - |
| | | | | | | | | | | |
| 4244820 | NA 4820 | 100 | 125 | 25 | | 0,82 | - | - | - | - |
| 4244822 | NA 4822 | 110 | 140 | 30 | | 1,18 | 94 | 216 | 2700 | 3900 |
| 4244824 | NA 4824 | 120 | 150 | 30 | | 1,28 | 99 | 239 | 2400 | 3600 |
| 4244826 | NA 4826 | 130 | 165 | 35 | | 1,94 | 118 | 310 | 2100 | 3300 |
| 4244828 | NA 4828 | 140 | 175 | 35 | | 2,08 | 120 | 325 | 2000 | 3100 |
| 4244830 | NA 4830 | 150 | 190 | 40 | | 2,98 | 152 | 400 | 1800 | 2900 |
| 4244832 | NA 4832 | 160 | 200 | 40 | | 3,26 | 160 | 435 | 1700 | 2700 |
| 4244834 | NA 4834 | 170 | 215 | 45 | | 4,42 | 185 | 510 | 1600 | 2500 |
| 4244836 | NA 4836 | 180 | 225 | 45 | | 4,63 | 194 | 550 | 1500 | 2400 |
| 4244838 | NA 4838 | 190 | 240 | 50 | | 6,12 | 227 | 690 | 1300 | 2300 |
| 4244840 | NA 4840 | 200 | 250 | 50 | | 6,45 | 230 | 720 | 1200 | 2200 |
| 4244844 | NA 4844 | 220 | 270 | 50 | | 7,11 | 243 | 790 | 1100 | 2000 |
| 4244848 | NA 4848 | 240 | 300 | 60 | | 11,1 | 355 | 1080 | 950 | 1800 |
| 4244852 | NA 4852 | 260 | 320 | 60 | | 11,9 | 370 | 1160 | 850 | 1700 |
| 4244856 | NA 4856 | 280 | 350 | 69 | | 17,7 | 450 | 1300 | 850 | 1600 |
| 4244860 | NA 4860 | 300 | 380 | 80 | | 25 | 620 | 1770 | 700 | 1400 |
| 4244864 | NA 4864 | 320 | 400 | 80 | | 26,4 | 630 | 1850 | 650 | 1400 |
| 4244868 | NA 4868 | 340 | 420 | 80 | | 27,6 | 640 | 1940 | 600 | 1300 |

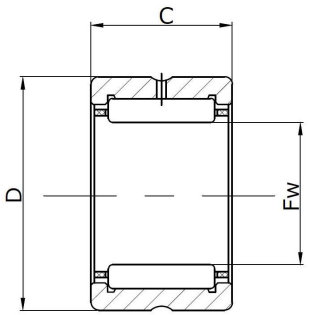
DESIGN OPTIONS:

| | | |
|---|---|---|
| 244… | (NA 4…) | - with external and internal races, with separator |
| 254… | (RNA4…) | - without inner race, with separator |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- made of nonferrous metals.




**244… (NA 4…)**



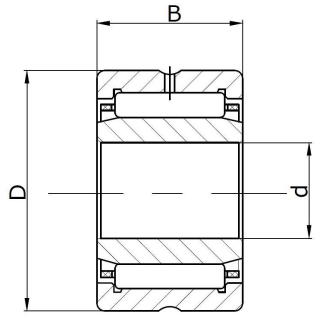

**254… (RNA4…)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4244872 | NA 4872 | 360 | 440 | 80 | | 29,4 | 660 | 2020 | 600 | 1200 |
| 4244876 | NA 4876 | 380 | 480 | 100 | | 42,6 | 1000 | 2900 | 500 | 1100 |
| | | | | | | | | | | |
| 4244900 | NA 4900 | 10 | 22 | 13 | | 0,025 | 8,5 | 9,2 | 21000 | 25000 |
| 4244901 | NA 4901 | 12 | 24 | 13 | | 0,028 | 9 | 11,2 | 16000 | 24000 |
| 4244902 | NA 4902 | 15 | 28 | 13 | | 0,037 | 10,6 | 13,6 | 14000 | 22000 |
| 4244903 | NA 4903 | 17 | 30 | 13 | | 0,4 | 10,4 | 14,6 | 12000 | 18000 |
| 4244904 | NA 4904 | 20 | 37 | 17 | | 0,081 | 21 | 25,5 | 11000 | 17000 |
| 4244905 | NA 4905 | 25 | 42 | 17 | | 0,095 | 23,6 | 31,5 | 9500 | 15000 |
| 4244906 | NA 4906 | 30 | 47 | 17 | | 0,11 | 23,2 | 35,5 | 7500 | 11000 |
| 4244907 | NA 4907 | 35 | 55 | 20 | | 0,181 | 31,5 | 50 | 7000 | 11000 |
| 4244908 | NA 4908 | 40 | 62 | 22 | | 0,256 | 43 | 67 | 6000 | 9500 |
| 4244909 | NA 4909 | 45 | 68 | 22 | | 0,294 | 41,5 | 73 | 5300 | 7500 |
| 4244910 | NA 4910 | 50 | 72 | 22 | | 0,3 | 43 | 80 | 5000 | 7000 |
| 4244911 | NA 4911 | 55 | 80 | 25 | | 0,435 | 56 | 100 | 4500 | 6300 |
| 4244912 | NA 4912 | 60 | 85 | 25 | | 0,465 | 60 | 108 | 4300 | 7000 |
| 4244913 | NA 4913 | 65 | 90 | 25 | | 0,49 | 61 | 112 | 4100 | 6500 |
| 4244914 | NA 4914 | 70 | 100 | 30 | | 0,796 | 78 | 156 | 3600 | 5000 |
| 4244915 | NA 4915 | 75 | 105 | 30 | | 0,842 | 86 | 162 | 3600 | 5500 |
| 4244916 | NA 4916 | 80 | 110 | 30 | | 0,89 | 89 | 174 | 3400 | 5000 |
| 4244917 | NA 4917 | 85 | 120 | 35 | | 1,49 | 111 | 237 | 3100 | 4800 |
| 4244918 | NA 4918 | 90 | 125 | 35 | | 1,57 | 114 | 250 | 3000 | 4600 |
| 4244920 | NA 4920 | 100 | 140 | 40 | | 2,31 | 128 | 270 | 2900 | 4100 |
| 4244922 | NA 4922 | 110 | 150 | 40 | | 1,49 | 132 | 290 | 2600 | 3800 |
| 4244924 | NA 4924 | 120 | 165 | 45 | | 3,35 | 181 | 390 | 2300 | 3400 |
| 4244926 | NA 4926 | 130 | 180 | 50 | | 4,66 | 203 | 470 | 2000 | 3200 |
| 4244928 | NA 4928 | 140 | 190 | 50 | | 4,97 | 209 | 500 | 1800 | 3000 |
| 4244930 | NA 4930 | 150 | 210 | 60 | | 7,3 | - | - | - | - |
| 4244932 | NA 4932 | 160 | 220 | 60 | | 8,18 | - | - | - | - |
| | | | | | | | | | | |
| 42449/22 | NA 49/22 | 22 | 39 | 17 | | 0,087 | 22,8 | 29,5 | 9500 | 16000 |
| 42449/28 | NA 49/28 | 28 | 45 | 17 | | 0,106 | 24,4 | 33,5 | 8500 | 13000 |
| 42449/32 | NA 49/32 | 32 | 52 | 20 | | 0,166 | 30,5 | 47,5 | 7000 | 12000 |
| | | | | | | | | | | |

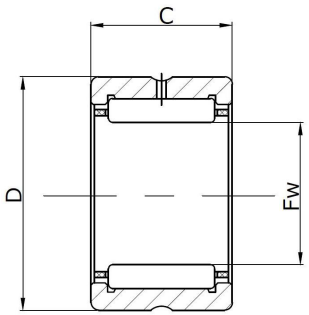
DESIGN OPTIONS:

| | | |
|---|---|---|
| 244… | (NA 4…) | - with external and internal races, with separator |
| 254… | (RNA4…) | - without inner race, with separator |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- made of nonferrous metals.




**244… (NA 4…)**



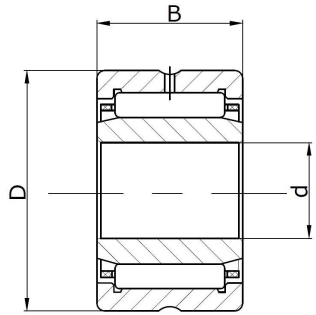

**254… (RNA4…)**

| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4254103 | RNA 4003 | 24 | 35 | 18 | | 0,067 | - | - | - | - |
| 4254104 | RNA 4004 | 28 | 42 | 22 | | 0,124 | - | - | - | - |
| 4254105 | RNA 4005 | 34 | 47 | 22 | | 0,134 | - | - | - | - |
| 4254106 | RNA 4006 | 40 | 55 | 25 | | 0,202 | - | - | - | - |
| 4254107 | RNA 4007 | 46 | 62 | 27 | | 0,272 | - | - | - | - |
| 4254108 | RNA 4008 | 52 | 68 | 28 | | 0,306 | - | - | - | - |
| 4254109 | RNA 4009 | 58 | 75 | 30 | | 0,385 | - | - | - | - |
| 4254110 | RNA 4010 | 62 | 80 | 30 | | 0,44 | - | - | - | - |
| 4254111 | RNA 4011 | 70 | 90 | 35 | | 0,6 | - | - | - | - |
| 4254112 | RNA 4012 | 75 | 95 | 35 | | 0,692 | - | - | - | - |
| 4254113 | RNA 4013 | 80 | 100 | 35 | | 0,724 | - | - | - | - |
| 4254114 | RNA 4014 | 88 | 110 | 40 | | 1,04 | - | - | - | - |
| 4254115 | RNA 4015 | 92 | 115 | 40 | | 1,1 | - | - | - | - |
| 4254116 | RNA 4016 | 100 | 125 | 45 | | 1,46 | - | - | - | - |
| 4254117 | RNA 4017 | 105 | 130 | 45 | | 1,5 | - | - | - | - |
| | | | | | | | | | | |
| 4254820 | RNA 4820 | 110 | 125 | 25 | | 0,51 | - | - | - | - |
| 4254822 | RNA 4822 | 120 | 140 | 30 | | 0,772 | 94 | 216 | 2700 | 3900 |
| 4254824 | RNA 4824 | 130 | 150 | 30 | | 0,832 | 99 | 239 | 2400 | 3600 |
| 4254826 | RNA 4826 | 145 | 165 | 35 | | 1,07 | 118 | 310 | 2100 | 3300 |
| 4254828 | RNA 4828 | 155 | 175 | 35 | | 1,16 | 120 | 325 | 2000 | 3100 |
| 4254830 | RNA 4830 | 165 | 190 | 40 | | 1,85 | 152 | 400 | 1800 | 2900 |
| 4254832 | RNA 4832 | 175 | 200 | 40 | | 2,05 | 160 | 435 | 1700 | 2700 |
| 4254834 | RNA 4834 | 185 | 215 | 45 | | 2,97 | 185 | 510 | 1600 | 2500 |
| 4254836 | RNA 4836 | 195 | 225 | 45 | | 3,1 | 194 | 550 | 1500 | 2400 |
| 4254838 | RNA 4838 | 210 | 240 | 50 | | 3,7 | 227 | 690 | 1300 | 2300 |
| 4254840 | RNA 4840 | 220 | 250 | 50 | | 3,89 | 230 | 720 | 1200 | 2200 |
| 4254844 | RNA 4844 | 240 | 270 | 50 | | 4,31 | 243 | 790 | 1100 | 2000 |
| 4254848 | RNA 4848 | 265 | 300 | 60 | | 6,5 | 355 | 1080 | 950 | 1800 |
| 4254852 | RNA 4852 | 285 | 320 | 60 | | 6,92 | 370 | 1160 | 850 | 1700 |
| 4254856 | RNA 4856 | 305 | 350 | 69 | | 11,5 | 450 | 1300 | 850 | 1600 |
| 4254860 | RNA 4860 | 330 | 380 | 80 | | 15,7 | 620 | 1770 | 700 | 1400 |
| 4254864 | RNA 4864 | 350 | 400 | 80 | | 16,6 | 630 | 1850 | 650 | 1400 |
| 4254868 | RNA 4868 | 370 | 420 | 80 | | 17,5 | 640 | 1940 | 600 | 1300 |

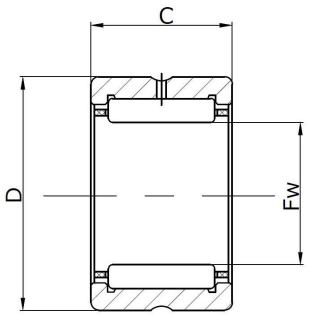
DESIGN OPTIONS:

| | | |
|---|---|---|
| 244… | (NA 4…) | - with external and internal races, with separator |
| 254… | (RNA4…) | - without inner race, with separator |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- made of nonferrous metals.




**244… (NA 4…)**

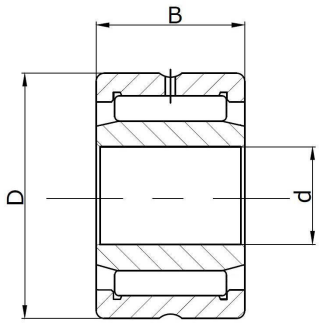



**254… (RNA4…)**

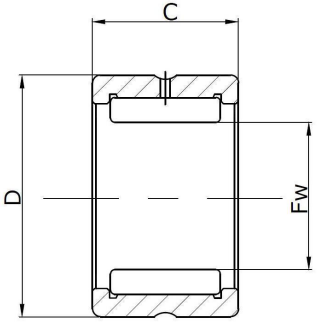
| GOST designation | ISO designation | Diameter of bore (d, мм | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4254872 | RNA 4872 | 390 | 440 | 80 | | 18,5 | 660 | 2020 | 600 | 1200 |
| 4254876 | RNA 4876 | 415 | 480 | 100 | | 26 | 1000 | 2900 | 500 | 1100 |
| | | | | | | | | | | |
| 4254900 | RNA 4900 | 14 | 22 | 13 | | 0,017 | 8,5 | 9,2 | 21000 | 25000 |
| 4254901 | RNA 4901 | 16 | 24 | 13 | | 0,19 | 9 | 11,2 | 16000 | 24000 |
| 4254902 | RNA 4902 | 20 | 28 | 13 | | 0,023 | 10,6 | 13,6 | 14000 | 22000 |
| 4254903 | RNA 4903 | 22 | 30 | 13 | | 0,025 | 10,4 | 14,6 | 12000 | 18000 |
| 4254904 | RNA 4904 | 25 | 37 | 17 | | 0,059 | 21 | 25,5 | 11000 | 17000 |
| 4254905 | RNA 4905 | 30 | 42 | 17 | | 0,068 | 23,6 | 31,5 | 9500 | 15000 |
| 4254906 | RNA 4906 | 35 | 47 | 17 | | 0,077 | 23,2 | 35,5 | 7500 | 11000 |
| 4254907 | RNA 4907 | 42 | 55 | 20 | | 0,117 | 31,5 | 50 | 7000 | 11000 |
| 4254908 | RNA 4908 | 48 | 62 | 22 | | 0,161 | 43 | 67 | 6000 | 9500 |
| 4254909 | RNA 4909 | 52 | 68 | 22 | | 0,165 | 41,5 | 73 | 5300 | 7500 |
| 4254910 | RNA 4910 | 58 | 72 | 22 | | 0,167 | 43 | 80 | 5000 | 7000 |
| 4254911 | RNA 4911 | 63 | 80 | 25 | | 0,262 | 56 | 100 | 4500 | 6300 |
| 4254912 | RNA 4912 | 68 | 85 | 25 | | 0,276 | 60 | 108 | 4300 | 7000 |
| 4254913 | RNA 4913 | 72 | 90 | 25 | | 0,293 | 61 | 112 | 4100 | 6500 |
| 4254914 | RNA 4914 | 80 | 100 | 30 | | 0,53 | 78 | 156 | 3600 | 5000 |
| 4254915 | RNA 4915 | 85 | 105 | 30 | | 0,559 | 86 | 162 | 3600 | 5500 |
| 4254916 | RNA 4916 | 90 | 110 | 30 | | 0,587 | 89 | 174 | 3400 | 5000 |
| 4254917 | RNA 4917 | 100 | 120 | 35 | | 0,89 | 111 | 237 | 3100 | 4800 |
| 4254918 | RNA 4918 | 105 | 125 | 35 | | 0,936 | 114 | 250 | 3000 | 4600 |
| 4254920 | RNA 4920 | 115 | 140 | 40 | | 1,51 | 128 | 270 | 2900 | 4100 |
| 4254922 | RNA 4922 | 125 | 150 | 40 | | 1,62 | 132 | 290 | 2600 | 3800 |
| 4254924 | RNA 4924 | 135 | 165 | 45 | | 2,29 | 181 | 390 | 2300 | 3400 |
| 4254926 | RNA 4926 | 150 | 180 | 50 | | 2,94 | 203 | 470 | 2000 | 3200 |
| 4254928 | RNA 4928 | 160 | 190 | 50 | | 3,13 | 209 | 500 | 1800 | 3000 |
| 4254930 | RNA 4930 | 175 | 210 | 60 | | 4,5 | - | - | - | - |
| 4254932 | RNA 4932 | 185 | 220 | 60 | | 5,06 | - | - | - | - |
| | | | | | | | | | | |
| 42549/22 | RNA 49/22 | 28 | 39 | 17 | | 0,057 | 22,8 | 29,5 | 9500 | 16000 |
| 42549/28 | RNA 49/28 | 32 | 45 | 17 | | 0,081 | 24,4 | 33,5 | 8500 | 13000 |
| 42549/32 | RNA 49/32 | 40 | 52 | 20 | | 0,099 | 30,5 | 47,5 | 7000 | 12000 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 74… | (NAV4…) | - with external and internal races, without separator |
| 24… | (RNAV4…) | - without inner race, without separator |




74… (NAV4…)

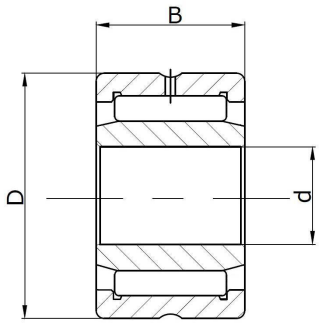



24… (RNAV4…)

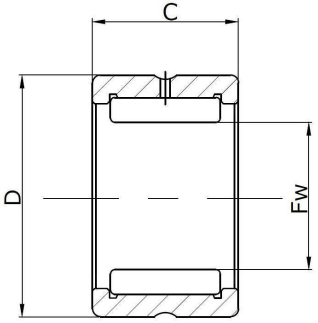
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4074103 | NAV 4003 | 17 | 35 | 18 | | 0,098 | 27 | 35 | 6700 | 8500 |
| 4074104 | NAV 4004 | 20 | 42 | 22 | | 0,176 | 31,7 | 61 | 6300 | 8000 |
| 4074105 | NAV 4005 | 25 | 47 | 22 | | 0,2 | 35 | 73 | 5000 | 6300 |
| 4074106 | NAV 4006 | 30 | 55 | 25 | | 0,311 | 46,8 | 99 | 4500 | 5600 |
| 4074107 | NAV 4007 | 35 | 62 | 27 | | 0,419 | 52,1 | 128 | 4000 | 5000 |
| 4074108 | NAV 4008 | 40 | 68 | 28 | | 0,495 | 57,9 | 142 | 3400 | 4300 |
| 4074109 | NAV 4009 | 45 | 75 | 30 | | 0,631 | 58,8 | 178 | 3200 | 4000 |
| 4074110 | NAV 4010 | 50 | 80 | 30 | | 0,687 | 63 | 188 | 2600 | 3200 |
| 4074111 | NAV 4011 | 55 | 90 | 35 | | 0,965 | 76,7 | 232 | 2600 | 3200 |
| 4074112 | NAV 4012 | 60 | 95 | 35 | | 1,113 | 80,4 | 246 | 2200 | 2800 |
| 4074113 | NAV 4013 | 65 | 100 | 35 | | 1,187 | 84,5 | 262 | 2000 | 2600 |
| 4074114 | NAV 4014 | 70 | 110 | 40 | | 1,74 | 110 | 368 | 1800 | 2200 |
| 4074115 | NAV 4015 | 75 | 115 | 40 | | 1,8 | 115 | 381 | 1600 | 2000 |
| 4074116 | NAV 4016 | 80 | 125 | 45 | | 2,46 | 121 | 410 | 1300 | 1600 |
| 4074117 | NAV 4017 | 85 | 130 | 45 | | 2,58 | 125 | 427 | 1300 | 1600 |
| | | | | | | | | | | |
| 4074820 | NAV 4820 | 100 | 125 | 25 | | 0,82 | - | - | - | - |
| 4074822 | NAV 4822 | 110 | 140 | 30 | | 1,18 | - | - | - | - |
| 4074824 | NAV 4824 | 120 | 150 | 30 | | 1,28 | - | - | - | - |
| 4074826 | NAV 4826 | 130 | 165 | 35 | | 1,94 | - | - | - | - |
| 4074828 | NAV 4828 | 140 | 175 | 35 | | 2,08 | - | - | - | - |
| 4074830 | NAV 4830 | 150 | 190 | 40 | | 2,98 | - | - | - | - |
| 4074832 | NAV 4832 | 160 | 200 | 40 | | 3,26 | - | - | - | - |
| 4074834 | NAV 4834 | 170 | 215 | 45 | | 4,42 | - | - | - | - |
| 4074836 | NAV 4836 | 180 | 225 | 45 | | 4,63 | - | - | - | - |
| 4074838 | NAV 4838 | 190 | 240 | 50 | | 6,12 | - | - | - | - |
| 4074840 | NAV 4840 | 200 | 250 | 50 | | 6,45 | - | - | - | - |
| 4074844 | NAV 4844 | 220 | 270 | 50 | | 7,11 | - | - | - | - |
| 4074848 | NAV 4848 | 240 | 300 | 60 | | 11,1 | - | - | - | - |
| 4074852 | NAV 4852 | 260 | 320 | 60 | | 11,9 | - | - | - | - |
| 4074856 | NAV 4856 | 280 | 350 | 69 | | 17,7 | - | - | - | - |
| 4074860 | NAV 4860 | 300 | 380 | 80 | | 25 | - | - | - | - |
| 4074864 | NAV 4864 | 320 | 400 | 80 | | 26,4 | - | - | - | - |
| 4074868 | NAV 4868 | 340 | 420 | 80 | | 27,6 | - | - | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 74… | (NAV4…) | - with external and internal races, without separator |
| 24… | (RNAV4…) | - without inner race, without separator |




74… (NAV4…)

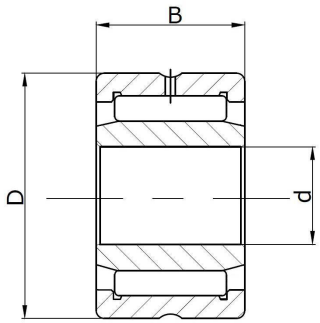



24… (RNAV4…)

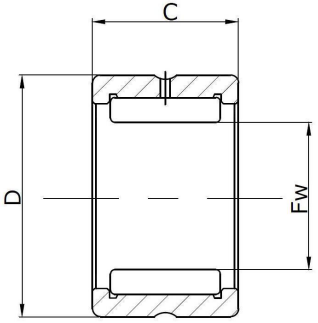
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4074872 | NAV 4872 | 360 | 440 | 80 | | 29,4 | - | - | - | - |
| | | | | | | | | | | |
| 4074900 | NAV 4900 | 10 | 22 | 13 | | 0,025 | - | - | - | - |
| 4074901 | NAV 4901 | 12 | 24 | 13 | | 0,028 | - | - | - | - |
| 4074902 | NAV 4902 | 15 | 28 | 13 | | 0,037 | - | - | - | - |
| 4074903 | NAV 4903 | 17 | 30 | 13 | | 0,4 | - | - | - | - |
| 4074904 | NAV 4904 | 20 | 37 | 17 | | 0,081 | 24,6 | 41 | 6300 | 8000 |
| 4074905 | NAV 4905 | 25 | 42 | 17 | | 0,095 | 26,3 | 50 | 5000 | 6300 |
| 4074906 | NAV 4906 | 30 | 47 | 17 | | 0,11 | - | - | - | - |
| 4074907 | NAV 4907 | 35 | 55 | 20 | | 0,181 | 39 | 81 | 4000 | 5000 |
| 4074908 | NAV 4908 | 40 | 62 | 22 | | 0,256 | - | - | - | - |
| 4074909 | NAV 4909 | 45 | 68 | 22 | | 0,294 | - | - | - | - |
| 4074910 | NAV 4910 | 50 | 72 | 22 | | 0,3 | - | - | - | - |
| 4074911 | NAV 4911 | 55 | 80 | 25 | | 0,435 | - | - | - | - |
| 4074912 | NAV 4912 | 60 | 85 | 25 | | 0,465 | 61 | 168 | 3200 | 4000 |
| 4074913 | NAV 4913 | 65 | 90 | 25 | | 0,49 | 73 | 189 | 2500 | 3200 |
| 4074914 | NAV 4914 | 70 | 100 | 30 | | 0,796 | - | - | - | - |
| 4074915 | NAV 4915 | 75 | 105 | 30 | | 0,842 | 93 | 259 | 2200 | 2800 |
| 4074916 | NAV 4916 | 80 | 110 | 30 | | 0,89 | 100 | 273 | 2200 | 2800 |
| 4074917 | NAV 4917 | 85 | 120 | 35 | | 1,49 | 110 | 365 | 2000 | 2600 |
| 4074918 | NAV 4918 | 90 | 125 | 35 | | 1,57 | 114 | 392 | 2000 | 2600 |
| 4074919 | NAV 4919 | 95 | 130 | 35 | | 1,61 | 116 | 406 | 1800 | 2200 |
| 4074920 | NAV 4920 | 100 | 140 | 40 | | 2,31 | 127 | 486 | 1600 | 2000 |
| 4074922 | NAV 4922 | 110 | 150 | 40 | | 1,49 | 145 | 523 | 1300 | 1600 |
| 4074924 | NAV 4924 | 120 | 165 | 45 | | 3,35 | 175 | 630 | 1000 | 1300 |
| 4074926 | NAV 4926 | 130 | 180 | 50 | | 4,66 | 209 | 813 | 800 | 1000 |
| 4074928 | NAV 4928 | 140 | 190 | 50 | | 4,97 | 235 | 880 | 800 | 1000 |
| 4074930 | NAV 4930 | 150 | 210 | 60 | | 7,3 | 270 | 1087 | 800 | 1000 |
| 4074932 | NAV 4932 | 160 | 220 | 60 | | 8,18 | - | - | - | - |
| | | | | | | | | | | |
| 4024103 | RNAV 4003 | 24 | 35 | 18 | | 0,067 | 27 | 35 | 6700 | 8500 |
| 4024104 | RNAV 4004 | 28 | 42 | 22 | | 0,124 | 31,7 | 61 | 6300 | 8000 |
| 4024105 | RNAV 4005 | 34 | 47 | 22 | | 0,134 | 35 | 73 | 5000 | 6300 |
| 4024106 | RNAV 4006 | 40 | 55 | 25 | | 0,202 | 46,8 | 99 | 4500 | 5600 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 74… | (NAV4…) | - with external and internal races, without separator |
| 24… | (RNAV4…) | - without inner race, without separator |




74… (NAV4…)

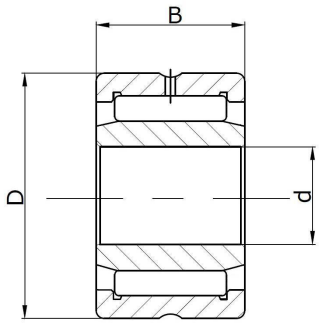



24… (RNAV4…)

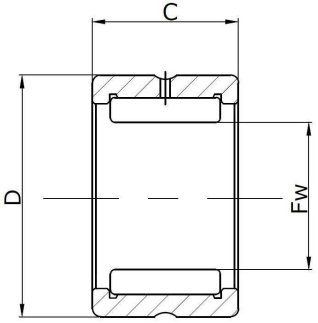
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4024107 | RNAV 4007 | 46 | 62 | 27 | | 0,272 | 52,1 | 128 | 4000 | 5000 |
| 4024108 | RNAV 4008 | 52 | 68 | 28 | | 0,306 | 57,9 | 142 | 3400 | 4300 |
| 4024109 | RNAV 4009 | 58 | 75 | 30 | | 0,385 | 58,8 | 178 | 3200 | 4000 |
| 4024110 | RNAV 4010 | 62 | 80 | 30 | | 0,44 | 63 | 188 | 2600 | 3200 |
| 4024111 | RNAV 4011 | 70 | 90 | 35 | | 0,6 | 76,7 | 232 | 2600 | 3200 |
| 4024112 | RNAV 4012 | 75 | 95 | 35 | | 0,692 | 80,4 | 246 | 2200 | 2800 |
| 4024113 | RNAV 4013 | 80 | 100 | 35 | | 0,724 | 84,5 | 262 | 2000 | 2600 |
| 4024114 | RNAV 4014 | 88 | 110 | 40 | | 1,04 | 110 | 368 | 1800 | 2200 |
| 4024115 | RNAV 4015 | 92 | 115 | 40 | | 1,1 | 115 | 381 | 1600 | 2000 |
| 4024116 | RNAV 4016 | 100 | 125 | 45 | | 1,46 | 121 | 410 | 1300 | 1600 |
| 4024117 | RNAV 4017 | 105 | 130 | 45 | | 1,5 | 125 | 427 | 1300 | 1600 |
| | | | | | | | | | | |
| 4024820 | RNAV 4820 | 110 | 125 | 25 | | 0,51 | - | - | - | - |
| 4024822 | RNAV 4822 | 120 | 140 | 30 | | 0,772 | - | - | - | - |
| 4024824 | RNAV 4824 | 130 | 150 | 30 | | 0,832 | - | - | - | - |
| 4024826 | RNAV 4826 | 145 | 165 | 35 | | 1,07 | - | - | - | - |
| 4024828 | RNAV 4828 | 155 | 175 | 35 | | 1,16 | - | - | - | - |
| 4024830 | RNAV 4830 | 165 | 190 | 40 | | 1,85 | - | - | - | - |
| 4024832 | RNAV 4832 | 175 | 200 | 40 | | 2,05 | - | - | - | - |
| 4024834 | RNAV 4834 | 185 | 215 | 45 | | 2,97 | - | - | - | - |
| 4024836 | RNAV 4836 | 195 | 225 | 45 | | 3,1 | - | - | - | - |
| 4024838 | RNAV 4838 | 210 | 240 | 50 | | 3,7 | - | - | - | - |
| 4024840 | RNAV 4840 | 220 | 250 | 50 | | 3,89 | - | - | - | - |
| 4024844 | RNAV 4844 | 240 | 270 | 50 | | 4,31 | - | - | - | - |
| 4024848 | RNAV 4848 | 265 | 300 | 60 | | 6,5 | - | - | - | - |
| 4024852 | RNAV 4852 | 285 | 320 | 60 | | 6,92 | - | - | - | - |
| 4024856 | RNAV 4856 | 305 | 350 | 69 | | 11,5 | - | - | - | - |
| 4024860 | RNAV 4860 | 330 | 380 | 80 | | 15,7 | - | - | - | - |
| 4024864 | RNAV 4864 | 350 | 400 | 80 | | 16,6 | - | - | - | - |
| 4024868 | RNAV 4868 | 370 | 420 | 80 | | 17,5 | - | - | - | - |
| 4024872 | RNAV 4872 | 390 | 440 | 80 | | 18,5 | - | - | - | - |
| | | | | | | | | | | |
| 4024900 | RNAV 4900 | 14 | 22 | 13 | | 0,017 | - | - | - | - |
| 4024901 | RNAV 4901 | 16 | 24 | 13 | | 0,19 | - | - | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 74… | (NAV4…) | - with external and internal races, without separator |
| 24… | (RNAV4…) | - without inner race, without separator |




74… (NAV4…)



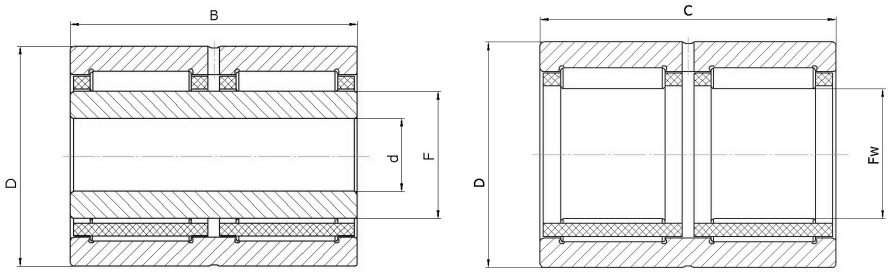

24… (RNAV4…)

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4024902 | RNAV 4902 | 20 | 28 | 13 | | 0,023 | - | - | - | - |
| 4024903 | RNAV 4903 | 22 | 30 | 13 | | 0,025 | - | - | - | - |
| 4024904 | RNAV 4904 | 25 | 37 | 17 | | 0,059 | 24,6 | 41 | 6300 | 8000 |
| 4024905 | RNAV 4905 | 30 | 42 | 17 | | 0,068 | 26,3 | 50 | 5000 | 6300 |
| 4024906 | RNAV 4906 | 35 | 47 | 17 | | 0,077 | - | - | - | - |
| 4024907 | RNAV 4907 | 42 | 55 | 20 | | 0,117 | 39 | 81 | 4000 | 5000 |
| 4024908 | RNAV 4908 | 48 | 62 | 22 | | 0,161 | - | - | - | - |
| 4024909 | RNAV 4909 | 52 | 68 | 22 | | 0,165 | - | - | - | - |
| 4024910 | RNAV 4910 | 58 | 72 | 22 | | 0,167 | - | - | - | - |
| 4024911 | RNAV 4911 | 63 | 80 | 25 | | 0,262 | - | - | - | - |
| 4024912 | RNAV 4912 | 68 | 85 | 25 | | 0,276 | 61 | 168 | 3200 | 4000 |
| 4024913 | RNAV 4913 | 72 | 90 | 25 | | 0,293 | 73 | 189 | 2500 | 3200 |
| 4024914 | RNAV 4914 | 80 | 100 | 30 | | 0,53 | - | - | - | - |
| 4024915 | RNAV 4915 | 85 | 105 | 30 | | 0,559 | 93 | 259 | 2200 | 2800 |
| 4024916 | RNAV 4916 | 90 | 110 | 30 | | 0,587 | 100 | 273 | 2200 | 2800 |
| 4024917 | RNAV 4917 | 100 | 120 | 35 | | 0,89 | 110 | 365 | 2000 | 2600 |
| 4024918 | RNAV 4918 | 105 | 125 | 35 | | 0,936 | 114 | 392 | 2000 | 2600 |
| 4024919 | RNAV 4919 | 110 | 130 | 35 | | 0,965 | 116 | 406 | 1800 | 2200 |
| 4024920 | RNAV 4920 | 115 | 140 | 40 | | 1,51 | 127 | 486 | 1600 | 2000 |
| 4024922 | RNAV 4922 | 125 | 150 | 40 | | 1,62 | 145 | 523 | 1300 | 1600 |
| 4024924 | RNAV 4924 | 135 | 165 | 45 | | 2,29 | 175 | 630 | 1000 | 1300 |
| 4024926 | RNAV 4926 | 150 | 180 | 50 | | 2,94 | 209 | 813 | 800 | 1000 |
| 4024928 | RNAV 4928 | 160 | 190 | 50 | | 3,13 | 235 | 880 | 800 | 1000 |
| 4024930 | RNAV 4930 | 175 | 210 | 60 | | 4,5 | 270 | 1087 | 800 | 1000 |
| 4024932 | RNAV 4932 | 185 | 220 | 60 | | 5,06 | - | - | - | - |

DESIGN OPTIONS:

| | |
|---|---|
| (NA69…) | - double-row, with external and internal races |
| (RNA69…) | - double-row, without inner race |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- made of nonferrous metals.



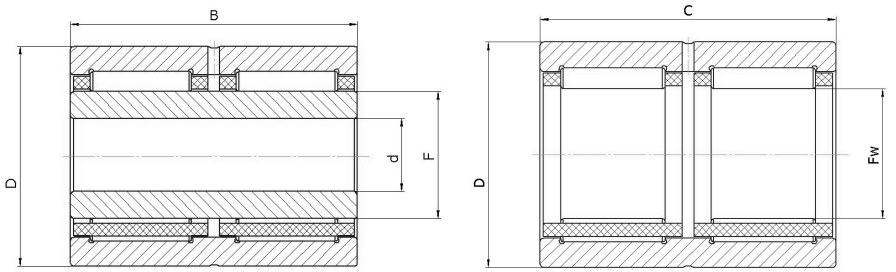

**(NA69…)** **(RNA69…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | NA 6900 | 10 | 22 | 13 | | 0,023 | 8,5 | 9,2 | 16000 | 24000 |
| - | NA 6901 | 12 | 24 | 22 | | 0,026 | 15,4 | 20 | 15000 | 23000 |
| - | NA 6902 | 15 | 28 | 23 | | 0,064 | 17,8 | 25,5 | 13000 | 20000 |
| - | NA 6903 | 17 | 30 | 23 | | 0,069 | 18,2 | 27,2 | 12000 | 18000 |
| - | NA 6904 | 20 | 37 | 30 | | 0,141 | 36,5 | 50,5 | 11000 | 16000 |
| - | NA 69/22 | 22 | 39 | 30 | | 0,15 | 37,5 | 55 | 9500 | 14000 |
| - | NA 6905 | 25 | 42 | 30 | | 0,161 | 39 | 59 | 8500 | 13000 |
| - | NA 69/28 | 28 | 45 | 30 | | 0,179 | 40,5 | 63 | 8500 | 13000 |
| - | NA 6906 | 30 | 47 | 30 | | 0,185 | 43 | 71 | 7500 | 11000 |
| - | NA 69/32 | 32 | 52 | 36 | | 0,286 | 47 | 82 | 6500 | 10000 |
| - | NA 6907 | 35 | 55 | 36 | | 0,31 | 49 | 86,5 | 6500 | 9500 |
| - | NA 6908 | 40 | 62 | 40 | | 0,426 | 67 | 116 | 5500 | 8500 |
| - | NA 6909 | 45 | 68 | 40 | | 0,473 | 70 | 127 | 5000 | 7500 |
| - | NA 6910 | 50 | 72 | 40 | | 0,529 | 73 | 139 | 4700 | 7000 |
| - | NA 6911 | 55 | 80 | 45 | | 0,726 | 92 | 183 | 4300 | 6500 |
| - | NA 6912 | 60 | 85 | 45 | | 0,758 | 95 | 190 | 4000 | 6000 |
| - | NA 6913 | 65 | 90 | 45 | | 0,779 | 97 | 198 | 3700 | 5500 |
| - | NA 6914 | 70 | 100 | 54 | | 1,34 | 128 | 265 | 3700 | 5500 |
| - | NA 6915 | 75 | 105 | 54 | | 1,45 | 130 | 275 | 3500 | 5000 |
| - | NA 6916 | 80 | 110 | 54 | | 1,522 | 135 | 300 | 3200 | 4900 |
| - | NA 6917 | 85 | 120 | 63 | | 2,2 | 166 | 400 | 2800 | 4800 |
| - | NA 6918 | 90 | 125 | 63 | | 2,31 | 172 | 425 | 2600 | 4600 |
| - | NA 6919 | 95 | 130 | 63 | | 2,5 | 174 | 440 | 2500 | 4400 |
| | | | | | | | | | | |
| - | RNA 6900 | 14 | 22 | 13 | | 0,016 | 8,5 | 9,2 | 16000 | 24000 |
| - | RNA 6901 | 16 | 24 | 22 | | 0,017 | 9,6 | 10,9 | 15000 | 23000 |
| - | RNA 6902 | 20 | 28 | 23 | | 0,039 | 17,6 | 25,3 | 13000 | 20000 |
| - | RNA 6903 | 22 | 30 | 23 | | 0,042 | 18,2 | 27,2 | 12000 | 18000 |
| - | RNA 6904 | 25 | 37 | 30 | | 0,1 | 36,5 | 50 | 11000 | 16000 |
| - | RNA 69/22 | 28 | 39 | 30 | | 0,1 | 40 | 58,5 | 9500 | 14000 |
| - | RNA 6905 | 30 | 42 | 30 | | 0,112 | 41,5 | 63 | 8500 | 13000 |
| - | RNA 69/28 | 32 | 45 | 30 | | 0,135 | 42,5 | 67,5 | 8500 | 13000 |
| - | RNA 6906 | 35 | 47 | 30 | | 0,126 | 42,5 | 67,5 | 7500 | 11000 |
| - | RNA 69/32 | 40 | 52 | 36 | | 0,162 | 47,5 | 82 | 6500 | 10000 |

DESIGN OPTIONS:

| | |
|---|---|
| (NA69…) | - double-row, with external and internal races |
| (RNA69…) | - double-row, without inner race |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- made of nonferrous metals.

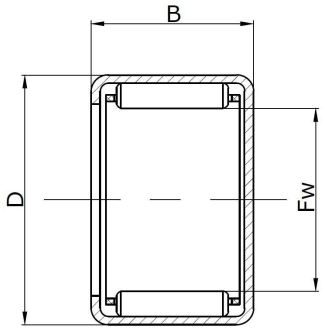



**(NA69…)** **(RNA69…)**

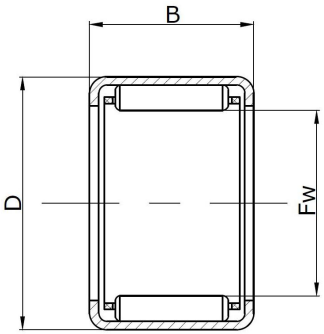
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | RNA 6907 | 42 | 55 | 36 | | 0,193 | 49 | 86,5 | 6500 | 9500 |
| - | RNA 6908 | 48 | 62 | 40 | | 0,256 | 67 | 116 | 5500 | 8500 |
| - | RNA 6909 | 52 | 68 | 40 | | 0,273 | 70,5 | 127 | 5000 | 7500 |
| - | RNA 6910 | 58 | 72 | 40 | | 0,32 | 74 | 139 | 4700 | 7000 |
| - | RNA 6911 | 63 | 80 | 45 | | 0,47 | 94 | 183 | 4300 | 6500 |
| - | RNA 6912 | 68 | 85 | 45 | | 0,488 | 95,5 | 191 | 4000 | 6000 |
| - | RNA 6913 | 72 | 90 | 45 | | 0,52 | 97 | 198 | 3700 | 5500 |
| - | RNA 6914 | 80 | 100 | 54 | | 0,857 | 128 | 265 | 3700 | 5500 |
| - | RNA 6915 | 85 | 105 | 54 | | 0,935 | 130 | 275 | 3600 | 5000 |
| - | RNA 6916 | 90 | 110 | 54 | | 0,987 | 166 | 300 | 3300 | 4900 |
| - | RNA 6917 | 100 | 120 | 63 | | 1,2 | 166 | 400 | 2900 | 4500 |
| - | RNA 6918 | 105 | 125 | 63 | | 1,33 | 172 | 425 | 2700 | 4300 |
| - | RNA 6919 | 110 | 130 | 63 | | 1,46 | 174 | 440 | 2600 | 4100 |

OPTIONS OF SEPARATOR DESIGN:

| | | |
|---|---|---|
| BK… | (BK…) | - with flat bottom, with separator |
| CK… | (HK…) | - with through bore, with separator |




BK… (BK…)

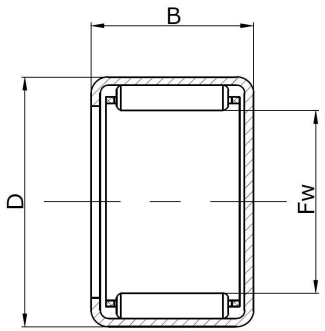



CK… (HK…)

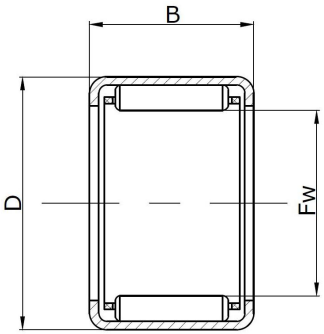
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| BK 40808 | BK 0408 | 4 | 8 | 8 | | 0,00145 | 1,74 | 1,27 | 24000 | 40000 |
| BK 50909 | BK 0509 | 5 | 9 | 9 | | 0,0021 | 2,4 | 1,99 | 22000 | 36000 |
| BK 61008 | BK 0608 | 6 | 10 | 8 | | 0,0021 | 1,83 | 1,55 | 20000 | 32000 |
| BK 61009 | BK 0609 | 6 | 10 | 9 | | 0,0024 | 2,65 | 2,4 | 18000 | 30000 |
| BK 71109 | BK 0709 | 7 | 11 | 9 | | 0,0029 | 2,8 | 2,15 | 16000 | 27000 |
| BK 81208 | BK 0808 | 8 | 12 | 8 | | 0,0028 | 2,55 | 2,4 | 13000 | 21000 |
| BK 81210 | BK 0810 | 8 | 12 | 10 | | 0,0034 | 3,7 | 3,45 | 13000 | 21000 |
| BK 91310 | BK 0910 | 9 | 13 | 10 | | 0,0038 | 4,05 | 4,25 | 15000 | 25000 |
| BK 91312 | BK 0912 | 9 | 13 | 12 | | 0,0049 | 5 | 6 | 15000 | 25000 |
| BK 253216 | BK 2516 | 25 | 32 | 16 | | 0,029 | 13,6 | 20 | 5400 | 9000 |
| BK 253220 | BK 2520 | 25 | 32 | 20 | | 0,035 | 17,9 | 30 | 5400 | 9000 |
| BK 283516 | BK 2816 | 28 | 35 | 16 | | 0,032 | 15,4 | 22,5 | 5220 | 8700 |
| BK 283520 | BK 2820 | 28 | 35 | 20 | | 0,039 | 18,9 | 32 | 5200 | 8700 |
| BK 303712 | BK 3012 | 30 | 37 | 12 | | 0,027 | 10,1 | 16,2 | 4850 | 8100 |
| BK 303716 | BK 3016 | 30 | 37 | 16 | | 0,034 | 15,2 | 27 | 4850 | 8100 |
| BK 303720 | BK 3020 | 30 | 37 | 20 | | 0,042 | 19,7 | 33,5 | 4850 | 8100 |
| BK 354212 | BK 3512 | 35 | 42 | 12 | | 0,0329 | 12,1 | 19,3 | 4300 | 7100 |
| BK 354216 | BK 3516 | 35 | 42 | 16 | | 0,041 | 15,7 | 27,5 | 4300 | 7100 |
| BK 354220 | BK 3520 | 35 | 42 | 20 | | 0,049 | 20,8 | 41 | 4300 | 7100 |
| BK 404712 | BK 4012 | 40 | 47 | 12 | | 0,037 | 14 | 24,3 | 3800 | 6300 |
| BK 404716 | BK 4016 | 40 | 47 | 16 | | 0,046 | 20 | 38,5 | 3800 | 6300 |
| BK 404720 | BK 4020 | 40 | 47 | 20 | | 0,056 | 25,5 | 52 | 3800 | 6300 |
| BK 455216 | BK 4516 | 45 | 52 | 16 | | 0,053 | 19,3 | 38 | 3500 | 5800 |
| BK 455220 | BK 4520 | 45 | 52 | 20 | | 0,064 | 22 | 51 | 3500 | 5800 |
| BK 505820 | BK 5020 | 50 | 58 | 20 | | 0,083 | 28 | 60 | 3500 | 5300 |
| BK 505824 | BK 5024 | 50 | 58 | 24 | | 0,097 | - | - | - | - |
| BK 556320 | BK 5520 | 55 | 63 | 20 | | 0,082 | 33,2 | 60 | 2700 | 4500 |
| BK 556324 | BK 5524 | 55 | 63 | 24 | | 0,107 | - | - | - | - |
| BK 556328 | BK 5528 | 55 | 63 | 28 | | 0,132 | 39,1 | 98 | 2700 | 4500 |
| BK 606820 | BK 6020 | 60 | 68 | 20 | | 0,105 | 30,5 | 72 | 2400 | 4000 |
| BK 606832 | BK 6032 | 60 | 68 | 32 | | 0,164 | 50 | 131 | 2400 | 4000 |
| | | | | | | | | | | |
| CK 040808 | HK 0408 | 4 | 8 | 8 | | 0,0014 | 1,74 | 1,27 | 24000 | 40000 |
| CK 050909 | HK 0509 | 5 | 9 | 9 | | 0,002 | 2,4 | 1,99 | 22000 | 36000 |

OPTIONS OF SEPARATOR DESIGN:

| | | |
|---|---|---|
| BK… | (BK…) | - with flat bottom, with separator |
| CK… | (HK…) | - with through bore, with separator |

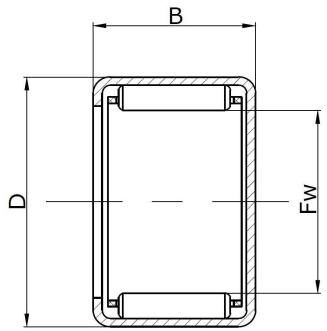



BK… (BK…)

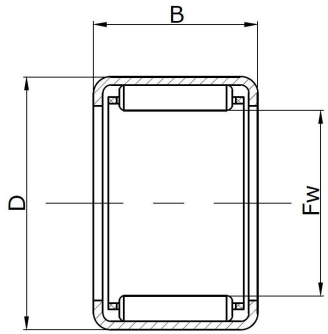



CK… (HK…)

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| CK 061008 | HK 0608 | 6 | 10 | 8 | | 0,002 | 1,83 | 1,55 | 20000 | 32000 |
| CK 061009 | HK 0609 | 6 | 10 | 9 | | 0,0023 | 2,65 | 2,4 | 18000 | 30000 |
| CK 071109 | HK 0709 | 7 | 11 | 9 | | 0,0027 | 2,8 | 2,15 | 16000 | 27000 |
| CK 081208 | HK 0808 | 8 | 12 | 8 | | 0,0026 | 2,55 | 2,4 | 13000 | 21000 |
| CK 081210 | HK 0810 | 8 | 12 | 10 | | 0,0032 | 3,7 | 3,45 | 13000 | 21000 |
| CK 091308 | HK 0908 | 9 | 13 | 8 | | 0,003 | 3,65 | 4,05 | 15000 | 25000 |
| CK 091310 | HK 0910 | 9 | 13 | 10 | | 0,0035 | 4,05 | 4,25 | 15000 | 25000 |
| CK 091312 | HK 0912 | 9 | 13 | 12 | | 0,0046 | 5 | 6 | 15000 | 25000 |
| CK 101410 | HK 1010 | 10 | 14 | 10 | | 0,0039 | 3,9 | 4,8 | 11500 | 19000 |
| CK 101412 | HK 1012 | 10 | 14 | 12 | | 0,0047 | 5 | 6,3 | 11500 | 19000 |
| CK 101612 | - | 10 | 16 | 12 | | 0,0075 | - | - | - | - |
| CK 121610 | HK 1210 | 12 | 16 | 10 | | 0,0045 | 4,15 | 5,8 | 11500 | 19000 |
| CK 121810 | - | 12 | 18 | 10 | | 0,007 | - | - | - | - |
| CK 121812 | HK 1212 | 12 | 18 | 12 | | 0,0087 | 6,5 | 7,3 | 9000 | 15000 |
| CK 142012 | HK 1412 | 14 | 20 | 12 | | 0,0098 | 6,8 | 7,5 | 9600 | 16000 |
| CK 142016 | - | 14 | 20 | 16 | | 0,013 | - | - | - | - |
| CK 152112 | HK 1512 | 15 | 21 | 12 | | 0,0105 | 7 | 8,4 | 8400 | 14000 |
| CK 152116 | HK 1516 | 15 | 21 | 16 | | 0,015 | 9,8 | 11,4 | 8400 | 14000 |
| CK 162212 | HK 1612 | 16 | 22 | 12 | | 0,011 | 7,1 | 9,2 | 8400 | 14000 |
| CK 162216 | HK 1616 | 16 | 22 | 16 | | 0,0147 | 10,1 | 14,3 | 8400 | 14000 |
| CK 172312 | HK 1712 | 17 | 23 | 12 | | 0,0116 | 6,9 | 9,3 | 7800 | 13000 |
| CK 182412 | HK 1812 | 18 | 24 | 12 | | 0,0127 | 7,1 | 9,9 | 7200 | 12000 |
| CK 182416 | HK 1816 | 18 | 24 | 16 | | 0,017 | 10,65 | 15,3 | 7200 | 12000 |
| CK 202610 | HK 2010 | 20 | 26 | 10 | | 0,0115 | 5,9 | 7,2 | 6000 | 10000 |
| CK 202612 | HK 2012 | 20 | 26 | 12 | | 0,0138 | 7,6 | 10,1 | 6000 | 10000 |
| CK 202616 | HK 2016 | 20 | 26 | 16 | | 0,0193 | 11,7 | 29,1 | 6000 | 10000 |
| CK 202620 | HK 2020 | 20 | 26 | 20 | | 0,023 | 13,7 | 24 | 6000 | 10000 |
| CK 222810 | HK 2210 | 22 | 28 | 10 | | 0,0123 | 7,2 | 9,5 | 6000 | 10000 |
| CK 222812 | HK 2212 | 22 | 28 | 12 | | 0,015 | 8,1 | 10,4 | 6000 | 10000 |
| CK 222816 | HK 2216 | 22 | 28 | 16 | | 0,02 | 11,4 | 18,1 | 6000 | 10000 |
| CK 222820 | HK 2220 | 22 | 28 | 20 | | 0,0262 | 14,5 | 25 | 6000 | 10000 |
| CK 253212 | HK 2512 | 25 | 32 | 12 | | 0,02 | 10 | 14,2 | 5400 | 9000 |
| CK 253216 | HK 2516 | 25 | 32 | 16 | | 0,026 | 13,6 | 20 | 5400 | 9000 |
| CK 253220 | HK 2520 | 25 | 32 | 20 | | 0,032 | 17,9 | 30 | 5400 | 9000 |




BK… (BK…)




CK… (HK…)

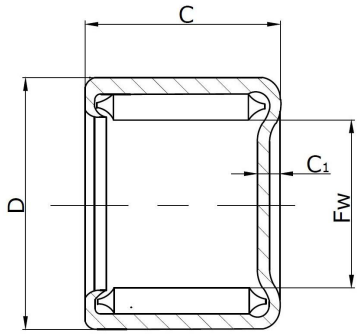
OPTIONS OF SEPARATOR DESIGN:

| | | |
|---|---|---|
| BK… | (BK…) | - with flat bottom, with separator |
| CK… | (HK…) | - with through bore, with separator |

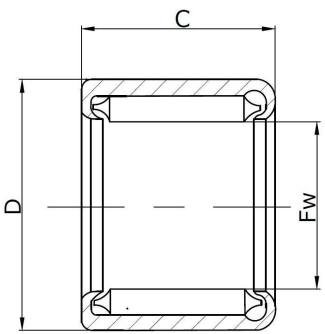
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| CK 283516 | HK 2816 | 28 | 35 | 16 | | 0,028 | 15,4 | 22,5 | 5220 | 8700 |
| CK 283520 | HK 2820 | 28 | 35 | 20 | | 0,035 | 18,9 | 32 | 5200 | 8700 |
| CK 303712 | HK 3012 | 30 | 37 | 12 | | 0,023 | 10,1 | 16,2 | 4850 | 8100 |
| CK 303716 | HK 3016 | 30 | 37 | 16 | | 0,03 | 15,2 | 27 | 4850 | 8100 |
| CK 303720 | HK 3020 | 30 | 37 | 20 | | 0,038 | 19,7 | 33,5 | 4850 | 8100 |
| CK 323924 | HK 3224 | 32 | 39 | 24 | | 0,0507 | 25,5 | 52 | 4300 | 7300 |
| CK 354212 | HK 3512 | 35 | 42 | 12 | | 0,0277 | 12,1 | 19,3 | 4300 | 7100 |
| CK 354216 | HK 3516 | 35 | 42 | 16 | | 0,035 | 15,7 | 27,5 | 4300 | 7100 |
| CK 354220 | HK 3520 | 35 | 42 | 20 | | 0,043 | 20,8 | 41 | 4300 | 7100 |
| CK 404712 | HK 4012 | 40 | 47 | 12 | | 0,03 | 14 | 24,3 | 3800 | 6300 |
| CK 404716 | HK 4016 | 40 | 47 | 16 | | 0,039 | 20 | 38,5 | 3800 | 6300 |
| CK 404720 | HK 4020 | 40 | 47 | 20 | | 0,049 | 25,5 | 52 | 3800 | 6300 |
| CK 455212 | HK 4512 | 45 | 52 | 12 | | 0,0348 | 12,9 | 22,5 | 3500 | 5800 |
| CK 455216 | HK 4516 | 45 | 52 | 16 | | 0,043 | 19,3 | 38 | 3500 | 5800 |
| CK 455220 | HK 4520 | 45 | 52 | 20 | | 0,054 | 22 | 51 | 3500 | 5800 |
| CK 505820 | HK 5020 | 50 | 58 | 20 | | 0,07 | 28 | 60 | 3500 | 5300 |
| CK 505824 | HK 5024 | 50 | 58 | 24 | | 0,084 | - | - | - | - |
| CK 556320 | HK 5520 | 55 | 63 | 20 | | 0,076 | 33,2 | 60 | 2700 | 4500 |
| CK 556324 | HK 5524 | 55 | 63 | 24 | | 0,091 | - | - | - | - |
| CK 556328 | HK 5528 | 55 | 63 | 28 | | 0,111 | 39,1 | 98 | 2700 | 4500 |
| CK 606820 | HK 6020 | 60 | 68 | 20 | | 0,086 | 30,5 | 72 | 2400 | 4000 |
| CK 606832 | HK 6032 | 60 | 68 | 32 | | 0,136 | 50 | 131 | 2400 | 4000 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| НД… | (MF…) | - with profiled bottom without separator |
| 94./…; НК…. | (F….) | - with through bore, without separator |




НД… (MF…)

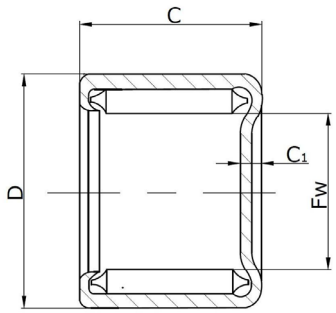


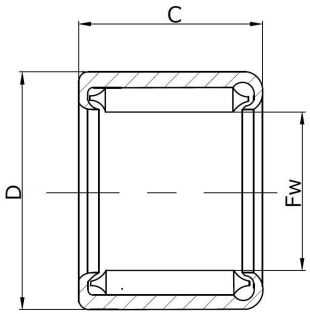

94./…; НК…. (F….)

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| НД 081410 | - | 8 | 14 | 10 | | 0,0056 | - | - | - | - |
| НД 101612 | - | 10 | 16 | 12 | | 0,0085 | - | - | - | - |
| НД 121810 | - | 12 | 18 | 10 | | 0,0084 | - | - | - | - |
| НД 121812 | - | 12 | 18 | 12 | | 0,0102 | - | - | - | - |
| НД 142012 | - | 14 | 20 | 12 | | 0,0116 | - | - | - | - |
| НД 152112 | - | 15 | 21 | 12 | | 0,0122 | - | - | - | - |
| НД 162212 | - | 16 | 22 | 12 | | 0,0134 | - | - | - | - |
| НД 172312 | - | 17 | 23 | 12 | | 0,0144 | - | - | - | - |
| НД 182412 | - | 18 | 24 | 12 | | 0,016 | - | - | - | - |
| НД 182416 | - | 18 | 24 | 16 | | 0,021 | - | - | - | - |
| НД 202612 | - | 20 | 26 | 12 | | 0,017 | - | - | - | - |
| НД 202616 | - | 20 | 26 | 16 | | 0,022 | - | - | - | - |
| НД 222816 | - | 22 | 28 | 16 | | 0,025 | - | - | - | - |
| НД 354216 | - | 35 | 42 | 16 | | 0,046 | - | - | - | - |
| НД 455216 | - | 45 | 52 | 16 | | 0,058 | - | - | - | - |
| НД 505818 | - | 50 | 58 | 18 | | 0,085 | - | - | - | - |
| НД 505820 | - | 50 | 58 | 20 | | 0,091 | - | - | - | - |
| НД 556320 | - | 55 | 63 | 20 | | 0,192 | - | - | - | - |
| | | | | | | | | | | |
| 941/6 | - | 6 | 10 | 7 | | 0,002 | 2,39 | 2,17 | 6300 | 8000 |
| 941/7 | - | 7 | 12 | 8 | | 0,004 | 3,27 | 3,16 | 6300 | 8000 |
| 941/8 | F-081410 | 8 | 14 | 10 | | 0,007 | 5,2 | 7,15 | 4500 | 7400 |
| 941/9 | F-091510 | 9 | 15 | 10 | | 0,006 | 8 | 11,5 | 4200 | 7100 |
| 941/10 | F-101610 | 10 | 16 | 10 | | 0,008 | 5,2 | 1,36 | 5600 | 7100 |
| 941/12 | F-121712 | 12 | 17 | 12 | | 0,009 | 5,5 | 2,51 | 5000 | 7100 |
| 941/15 | F-152012 | 15 | 20 | 12 | | 0,011 | 7 | 3,14 | 5000 | 7100 |
| 941/17 | F-1714 | 17 | 23 | 14 | | 0,015 | 4,6 | 4,4 | 4500 | 7000 |
| 941/20 | F-2014 | 20 | 26 | 14 | | 0,022 | 9,9 | 5,3 | 4000 | 6900 |
| 941/25 | F-2516 | 25 | 32 | 16 | | 0,033 | 15,6 | 7,3 | 3200 | 5100 |
| 941/30 | F-303816 | 30 | 38 | 16 | | 0,045 | 17 | 7,85 | 2600 | 4600 |
| | | | | | | | | | | |
| 942/8 | F-081412 | 8 | 14 | 12 | | 0,009 | 4,55 | 7,15 | 4500 | 7400 |
| 942/9 | F-091513 | 9 | 15 | 13 | | 0,008 | 8,56 | 12,8 | 4200 | 7100 |
| 942/10 | F-101615 | 10 | 16 | 15 | | 0,012 | 6,89 | 11,5 | 4200 | 7100 |

DESIGN OPTIONS

| | | |
|---|---|---|
| НД… | (MF…) | - with profiled bottom without separator |
| 94./…; НК…. | (F….) | - with through bore, without separator |



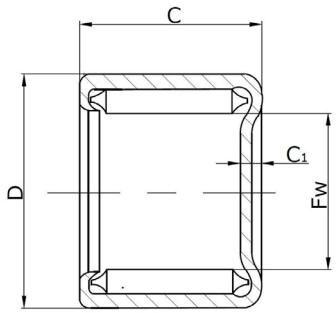




**НД… (MF…)** **94./…; НК…. (F….)**

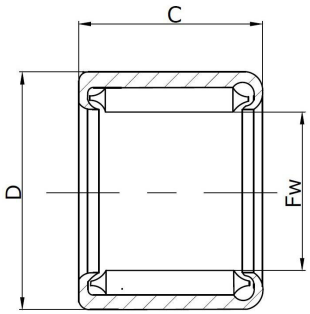
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 942/12 | F-121715 | 12 | 17 | 15 | | 0,01 | 9 | 12,5 | 4200 | 7100 |
| 942/15 | F-152016 | 15 | 20 | 16 | | 0,013 | 9,5 | 12,8 | 4200 | 7100 |
| 942/17 | F-1718 | 17 | 23 | 18 | | 0,021 | 13,8 | 24,8 | 4400 | 7300 |
| 942/20 | F-2020 | 20 | 26 | 20 | | 0,026 | 18,8 | 42,5 | 4140 | 6900 |
| 942/25 | F-2522 | 25 | 32 | 22 | | 0,046 | 21,4 | 11,7 | 3100 | 5100 |
| 942/30 | F-303824 | 30 | 38 | 24 | | 0,046 | 25,5 | 14,9 | 2580 | 4300 |
| 942/32 | - | 32 | 40 | 24 | | 0,071 | 26,5 | 15,9 | 2600 | 4000 |
| 942/35 | F-354325 | 35 | 43 | 25 | | 0,072 | 38,7 | 86,2 | 1920 | 3200 |
| 942/40 | F-405032 | 40 | 50 | 32 | | 0,095 | 42,5 | 108 | 1560 | 2600 |
| 942/70 | F-707832 | 70 | 78 | 32 | | 0,18 | 48 | 51,9 | 1300 | 1600 |
| | | | | | | | | | | |
| 943/10 | F-1017 | 10 | 16 | 17 | | 0,011 | 8,8 | 3,42 | 5000 | 8000 |
| 943/12 | F-121718 | 12 | 17 | 18 | | 0,013 | 9,8 | 13,5 | 4200 | 7100 |
| 943/15 | F-1520 | 15 | 20 | 20 | | 0,0172 | 10,5 | 16 | 4200 | 7100 |
| 943/17 | F-1722 | 17 | 23 | 22 | | 0,027 | 19,3 | - | 4400 | 7300 |
| 943/20 | F-2025 | 20 | 26 | 25 | | 0,035 | 17,7 | 11,8 | 4000 | 6300 |
| 943/25 | F-2525 | 25 | 32 | 25 | | 0,048 | 24 | 13,8 | 3200 | 5100 |
| 943/30 | F-3032 | 30 | 38 | 32 | | 0,085 | 32 | 22 | 2600 | 4300 |
| 943/32 | F-3232 | 32 | 40 | 32 | | 0,091 | 36 | 25,1 | 2500 | 3800 |
| 943/35 | F-3532 | 35 | 43 | 32 | | 0,096 | 40,5 | 29,1 | 2400 | 3200 |
| 943/40 | F-4038 | 40 | 50 | 38 | | 0,162 | 43 | 35,8 | 2000 | 2600 |
| 943/45 | F-4538 | 45 | 55 | 38 | | 0,181 | 45,2 | 40,2 | 1600 | 2900 |
| 943/50 | F-5038 | 50 | 60 | 38 | | 0,216 | 48 | 44,7 | 2000 | 2600 |
| 943/80 | F-8045 | 80 | 88 | 45 | | 0,259 | 110,6 | 421 | 1000 | 1300 |
| | | | | | | | | | | |
| 944/22 | F-2212 | 22 | 28 | 12 | | 0,02 | 9 | 13,3 | 3480 | 5800 |
| | | | | | | | | | | |
| НК 081410 | - | 8 | 14 | 10 | | 0,0053 | - | - | - | - |
| НК 101612 | - | 10 | 16 | 12 | | 0,008 | - | - | - | - |
| НК 121810 | - | 12 | 18 | 10 | | 0,0076 | - | - | - | - |
| НК 121812 | - | 12 | 18 | 12 | | 0,0094 | - | - | - | - |
| НК 142012 | - | 14 | 20 | 12 | | 0,0105 | - | - | - | - |
| НК 152112 | - | 15 | 21 | 12 | | 0,011 | - | - | - | - |
| НК 162212 | - | 16 | 22 | 12 | | 0,012 | - | - | - | - |

DESIGN OPTIONS

| | | |
|---|---|---|
| НД… | (MF…) | - with profiled bottom without separator |
| 94./…; НК…. | (F….) | - with through bore, without separator |




НД… (MF…)



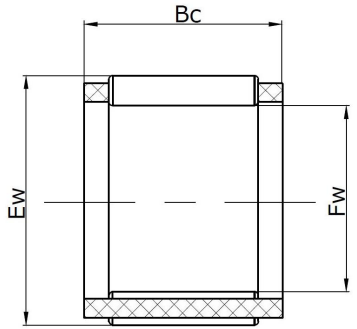

94./…; НК…. (F….)

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| НК 172312 | - | 17 | 23 | 12 | | 0,013 | - | - | - | - |
| НК 182412 | - | 18 | 24 | 12 | | 0,014 | - | - | - | - |
| НК 182416 | - | 18 | 24 | 16 | | 0,019 | - | - | - | - |
| НК 202612 | - | 20 | 26 | 12 | | 0,015 | - | - | - | - |
| НК 202616 | - | 20 | 26 | 16 | | 0,02 | - | - | - | - |
| НК 222816 | - | 22 | 28 | 16 | | 0,022 | - | - | - | - |
| НК 354216 | - | 35 | 42 | 16 | | 0,04 | - | - | - | - |
| НК 455216 | - | 45 | 52 | 16 | | 0,048 | - | - | - | - |
| НК 505818 | - | 50 | 58 | 18 | | 0,071 | - | - | - | - |
| НК 505820 | - | 50 | 58 | 20 | | 0,077 | - | - | - | - |
| НК 556320 | - | 55 | 63 | 20 | | 0,086 | - | - | - | - |

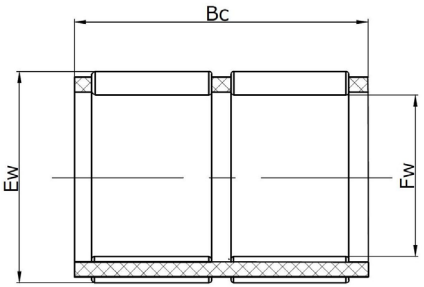
DESIGN OPTIONS:

| | | |
|---|---|---|
| К…*…*… | (К…*…*…) | - single-row |
| КК…*…*… | (К…*…*…W) | - double-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast ;
- made of nonferrous metals




К…*…*… (К…*…*…)



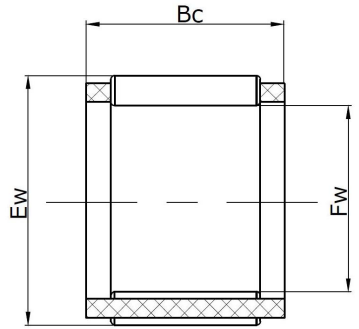

КК…*…*… (К…*…*…W)

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| К 5х8х8 | К 5х8х8 | 5 | 8 | 8 | | 0,0007 | 2,35 | 1,92 | 36000 | 40000 |
| К 6х9х10 | К 6х9х10 | 6 | 9 | 10 | | 0,001 | 3,35 | 3,15 | 34000 | 38000 |
| К 6х9х8 | К 6х9х8 | 6 | 9 | 8 | | 0,0008 | 2,6 | 2,28 | 34000 | 38000 |
| К 7х10х10 | К 7х10х10 | 7 | 10 | 10 | | 0,0011 | 3,65 | 3,6 | 32000 | 36000 |
| К 7х10х8 | К 7х10х8 | 7 | 10 | 8 | | 0,0009 | 2,85 | 2,65 | 32000 | 36000 |
| К 8х11х10 | К 8х11х10 | 8 | 11 | 10 | | 0,002 | 3,8 | 4,25 | 21000 | 32000 |
| К 8х11х13 | К 8х11х13 | 8 | 11 | 13 | | 0,003 | 5 | 5,85 | 21000 | 32000 |
| К 8х12х10 | К 8х12х10 | 8 | 12 | 10 | | 0,003 | 5 | 4,7 | 19000 | 32000 |
| К 9х12х10 | К 9х12х10 | 9 | 12 | 10 | | 0,003 | 4,05 | 4,75 | 20000 | 30000 |
| К 9х12х13 | К 9х12х13 | 9 | 12 | 13 | | 0,004 | 5,3 | 6,55 | 20000 | 30000 |
| К 10х13х10 | К 10х13х10 | 10 | 13 | 10 | | 0,002 | 5,2 | 6,55 | 19000 | 28000 |
| К 10х13х13 | К 10х13х13 | 10 | 13 | 13 | | 0,004 | 5,6 | 7,35 | 19000 | 28000 |
| К 10х14х13 | К 10х14х13 | 10 | 14 | 13 | | 0,005 | 7,5 | 8,8 | 17000 | 29000 |
| К 12х15х10 | К 12х15х10 | 12 | 15 | 10 | | 0,003 | 5,6 | 7,65 | 17000 | 27000 |
| К 12х15х13 | К 12х15х13 | 12 | 15 | 13 | | 0,004 | 6,4 | 9,15 | 17000 | 26000 |
| К 12х16х13 | К 12х16х13 | 12 | 16 | 13 | | 0,007 | 7,1 | 8,65 | 17000 | 27000 |
| К 12х17х13 | К 12х17х13 | 12 | 17 | 13 | | 0,008 | 8,5 | 9,5 | 17000 | 26000 |
| К 14х18х10 | К 14х18х10 | 14 | 18 | 10 | | 0,005 | 6,8 | 8,5 | 15000 | 25000 |
| К 14х18х13 | К 14х18х13 | 14 | 18 | 13 | | 0,007 | 9,15 | 12,5 | 15000 | 25000 |
| К 14х18х17 | К 14х18х17 | 14 | 18 | 17 | | 0,008 | 11,8 | 17 | 15000 | 25000 |
| К 14х18х20 | - | 14 | 18 | 20 | | 0,0074 | 11 | 14,4 | 15000 | 25000 |
| К 14х18х25 | - | 14 | 18 | 25 | | 0,0122 | 13,6 | 19 | 15000 | 25000 |
| К 14х20х12 | К 14х20х12 | 14 | 20 | 12 | | 0,01 | 10 | 10,8 | 15000 | 24000 |
| К 14х20х17 | К 14х20х17 | 14 | 20 | 17 | | 0,014 | 13,5 | 14,6 | 15000 | 24000 |
| К 15х19х10 | К 15х19х10 | 15 | 19 | 10 | | 0,005 | 7,5 | 9,8 | 15000 | 23000 |
| К 15х19х13 | К 15х19х13 | 15 | 19 | 13 | | 0,007 | 9,15 | 12,7 | 15000 | 23000 |
| К 15х19х17 | К 15х19х17 | 15 | 19 | 17 | | 0,009 | 11,6 | 17,3 | 15000 | 23000 |
| К 15х19х20 | К 15х19х20 | 15 | 19 | 20 | | 0,012 | 10,2 | 14,3 | 15000 | 23000 |
| К 15х20х20 | К 15х20х20 | 15 | 20 | 20 | | - | - | - | 15000 | 23000 |
| К 15х21х17 | К 15х21х17 | 15 | 21 | 17 | | 0,014 | 15,1 | 17,2 | 15000 | 23000 |
| К 16х20х10 | К 16х20х10 | 16 | 20 | 10 | | 0,006 | 7,35 | 9,8 | 15000 | 22000 |
| К 16х20х13 | К 16х20х13 | 16 | 20 | 13 | | 0,007 | 9,5 | 13,7 | 15000 | 22000 |
| К 16х20х17 | К 16х20х17 | 16 | 20 | 17 | | 0,009 | 11,2 | 17 | 15000 | 22000 |
| К 16х20х20 | К 16х20х20 | 16 | 20 | 20 | | 0,01 | 12,7 | 19,6 | 15000 | 22000 |

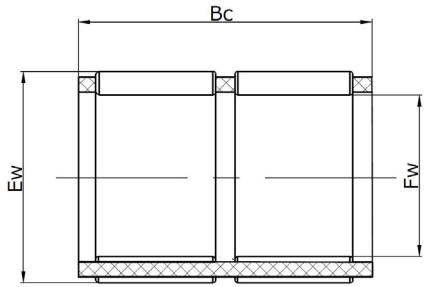
DESIGN OPTIONS:

| | | |
|---|---|---|
| K…*…*… | (K…*…*…) | - single-row |
| KK…*…*… | (K…*…*…W) | - double-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast ;
- made of nonferrous metals




K…*…*… (K…*…*…)



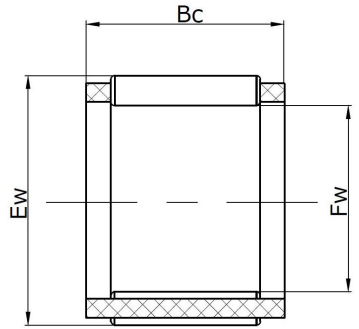

KK…*…*… (K…*…*…W)

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| K 16x22x12 | K 16x22x12 | 16 | 22 | 12 | | 0,012 | 11 | 12,5 | 15000 | 22000 |
| K 16x22x17 | K 16x22x17 | 16 | 22 | 17 | | - | - | - | 15000 | 22000 |
| K 17x21x10 | K 17x21x10 | 17 | 21 | 10 | | 0,005 | 7,65 | 10,6 | 15000 | 22000 |
| K 17x21x13 | K 17x21x13 | 17 | 21 | 13 | | 0,008 | 10 | 14,6 | 15000 | 22000 |
| K 17x22x20 | K 17x22x20 | 17 | 22 | 20 | | 0,018 | 16,3 | 23,6 | 15000 | 22000 |
| K 17x23x17 | K 17x23x17 | 17 | 23 | 17 | | - | - | - | 15000 | 22000 |
| K 18x22x10 | K 18x22x10 | 18 | 22 | 10 | | 0,006 | 8 | 11,2 | 15000 | 22000 |
| K 18x22x13 | K 18x22x13 | 18 | 22 | 13 | | 0,008 | 10,2 | 15,6 | 15000 | 22000 |
| K 18x22x17 | K 18x22x17 | 18 | 22 | 17 | | 0,01 | 12,5 | 20 | 14000 | 21000 |
| K 18x22x20 | K 18x22x20 | 18 | 22 | 20 | | 0,14 | 14,3 | 23,6 | 14000 | 21000 |
| K 18x24x12 | K 18x24x12 | 18 | 24 | 12 | | 0,013 | 11,2 | 13,4 | 14000 | 21000 |
| K 18x24x15 | K 18x24x15 | 18 | 24 | 15 | | 0,014 | 11 | 10 | 14000 | 21000 |
| K 18x24x17 | K 18x24x17 | 18 | 24 | 17 | | - | - | - | 14000 | 21000 |
| K 18x24x20 | K 18x24x20 | 18 | 24 | 20 | | 0,02 | 18,3 | 25 | 14000 | 21000 |
| K 20x24x10 | K 20x24x10 | 20 | 24 | 10 | | 0,007 | 8,5 | 12,7 | 13000 | 20000 |
| K 20x24x13 | K 20x24x13 | 20 | 24 | 13 | | 0,009 | 11 | 17,3 | 13000 | 20000 |
| K 20x24x17 | K 20x24x17 | 20 | 24 | 17 | | 0,011 | 14 | 24 | 13000 | 20000 |
| K 20x25x20 | K 20x25x20 | 20 | 25 | 20 | | 0,023 | - | - | 13000 | 20000 |
| K 20x26x17 | K 20x26x17 | 20 | 26 | 17 | | 0,019 | 18,6 | 26,5 | 13000 | 20000 |
| K 20x26x20 | K 20x26x20 | 20 | 26 | 20 | | 0,022 | 19,3 | 27,5 | 13000 | 20000 |
| K 21x27x16 | - | 21 | 27 | 16 | | 0,0128 | 15,3 | 19 | 13000 | 20000 |
| K 22x26x10 | K 22x26x10 | 22 | 26 | 10 | | 0,006 | 8,65 | 13,4 | 12000 | 19000 |
| K 22x26x13 | K 22x26x13 | 22 | 26 | 13 | | 0,01 | 11,2 | 18,6 | 12000 | 19000 |
| K 22x26x17 | K 22x26x17 | 22 | 26 | 17 | | 0,012 | 14,6 | 26,5 | 12000 | 19000 |
| K 22x28x17 | K 22x28x17 | 22 | 28 | 17 | | 0,021 | 17,3 | 24,5 | 12000 | 19000 |
| K 22x30x22 | - | 22 | 30 | 22 | | 0,0264 | 20,7 | 24,6 | 10000 | 17000 |
| K 25x29x10 | K 25x29x10 | 25 | 29 | 10 | | 0,008 | 9,15 | 15 | 10000 | 17000 |
| K 25x29x13 | K 25x29x13 | 25 | 29 | 13 | | 0,014 | 10,8 | 18,6 | 10000 | 17000 |
| K 25x30x13 | K 25x30x13 | 25 | 30 | 13 | | 0,014 | 14 | 22 | 10000 | 17000 |
| K 25x30x20 | K 25x30x20 | 25 | 30 | 20 | | 0,022 | 20 | 34,5 | 10000 | 17000 |
| K 25x31x17 | K 25x31x17 | 25 | 31 | 17 | | 0,023 | 18,6 | 28 | 10000 | 17000 |
| K 25x33x20 | K 25x33x20 | 25 | 33 | 20 | | 0,045 | 24,5 | 32,5 | 10000 | 17000 |
| K 28x33x13 | K 28x33x13 | 28 | 33 | 13 | | 0,015 | 15,3 | 24,2 | 10000 | 17000 |
| K 28x33x17 | K 28x33x17 | 28 | 33 | 17 | | 0,02 | 19 | 33,5 | 10000 | 17000 |

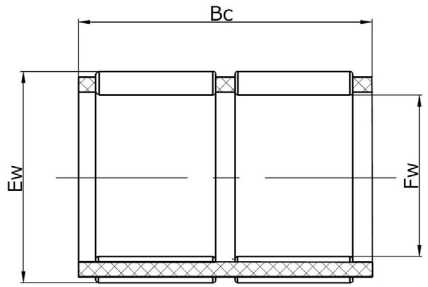
DESIGN OPTIONS:

| | | |
|---|---|---|
| K…*…*… | (K…*…*…) | - single-row |
| KK…*…*… | (K…*…*…W) | - double-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast ;
- made of nonferrous metals




K…*…*… (K…*…*…)



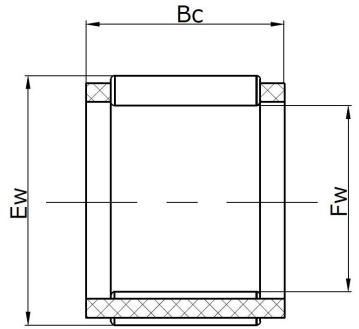

KK…*…*… (K…*…*…W)

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| K 28x33x27 | K 28x33x27 | 28 | 33 | 27 | | 0,031 | 27,5 | 54 | 10000 | 17000 |
| K 28x34x17 | K 28x34x17 | 28 | 34 | 17 | | 0,026 | 20 | 32 | 10000 | 17000 |
| K 28x35x20 | K 28x35x20 | 28 | 35 | 20 | | 0,018 | - | - | 10000 | 17000 |
| K 30x35x13 | K 30x35x13 | 30 | 35 | 13 | | 0,017 | 15 | 25,5 | 8500 | 14000 |
| K 30x35x17 | K 30x35x17 | 30 | 35 | 17 | | 0,022 | 19,3 | 35,5 | 8500 | 14000 |
| K 30x35x20 | K 30x35x20 | 30 | 35 | 20 | | 0,025 | 21,6 | 43 | 8500 | 14000 |
| K 30x36x25 | K 30x36x25 | 30 | 36 | 25 | | 0,035 | - | - | 8500 | 14000 |
| K 30x37x20 | K 30x37x20 | 30 | 37 | 20 | | - | - | - | 8500 | 14000 |
| K 30x40x30 | K 30x40x30 | 30 | 40 | 30 | | 0,081 | 44 | 64 | 8500 | 14000 |
| K 60x68x25 | K 60x68x25 | 30 | 68 | 25 | | 0,123 | 49 | 104 | 8500 | 14000 |
| K 32x37x13 | K 32x37x13 | 32 | 37 | 13 | | 0,021 | 14,6 | 25 | 8500 | 14000 |
| K 32x37x17 | K 32x37x17 | 32 | 37 | 17 | | 0,022 | 19 | 35,5 | 8500 | 14000 |
| K 32x37x27 | K 32x37x27 | 32 | 37 | 27 | | 0,042 | 28 | 57 | 8500 | 14000 |
| K 32x39x20 | K 32x39x20 | 32 | 39 | 20 | | - | - | - | 8500 | 14000 |
| K 33x45x18 | - | 33 | 45 | 18 | | 0,0501 | 25,1 | 27,1 | 8000 | 12000 |
| K 35x40x13 | K 35x40x13 | 35 | 40 | 13 | | 0,019 | 15,6 | 28 | 8000 | 12000 |
| K 35x40x17 | K 35x40x17 | 35 | 40 | 17 | | 0,026 | 20 | 39 | 8000 | 12000 |
| K 35x41x20 | K 35x41x20 | 35 | 41 | 20 | | 0,029 | - | - | 8000 | 12000 |
| K 35x42x16 | K 35x42x16 | 35 | 42 | 16 | | 0,036 | 23,6 | 37,5 | 8000 | 12000 |
| K 35x42x20 | K 35x42x20 | 35 | 42 | 20 | | 0,051 | 28,5 | 48 | 8000 | 12000 |
| K 38x46x20 | K 38x46x20 | 38 | 46 | 20 | | 0,056 | 31,5 | 52 | 7000 | 11000 |
| K 39x55x26 | - | 39 | 55 | 26 | | 0,132 | 51,4 | 59,5 | 6000 | 10000 |
| K 40x45x17 | K 40x45x17 | 40 | 45 | 17 | | 0,029 | 21,6 | 45 | 6000 | 10000 |
| K 40x45x27 | K 40x45x27 | 40 | 45 | 27 | | 0,041 | 31 | 71 | 6000 | 10000 |
| K 40x46x20 | K 40x46x20 | 40 | 46 | 20 | | 0,031 | - | - | 6000 | 10000 |
| K 40x46x25 | K 40x46x25 | 40 | 46 | 25 | | 0,077 | - | - | 6000 | 10000 |
| K 40x48x20 | K 40x48x20 | 40 | 48 | 20 | | 0,06 | 31 | 51 | 6000 | 10000 |
| K 40x48x25 | K 40x48x25 | 40 | 48 | 25 | | 0,065 | 42,5 | 71 | 6000 | 10000 |
| K 42x47x13 | K 42x47x13 | 42 | 47 | 13 | | 0,023 | 18 | 35,5 | 6000 | 10000 |
| K 42x47x17 | K 42x47x17 | 42 | 47 | 17 | | 0,035 | 21,6 | 45,5 | 6000 | 10000 |
| K 42x50x20 | K 42x50x20 | 42 | 50 | 20 | | 0,062 | 32 | 54 | 6000 | 10000 |
| K 42x50x30 | K 42x50x30 | 42 | 50 | 30 | | 0,082 | 40,5 | 45 | 6000 | 10000 |
| K 45x50x17 | K 45x50x17 | 45 | 50 | 17 | | 0,032 | 23,6 | 53 | 6000 | 10000 |
| K 45x50x23 | K 45x50x23 | 45 | 50 | 23 | | - | - | - | 6000 | 10000 |

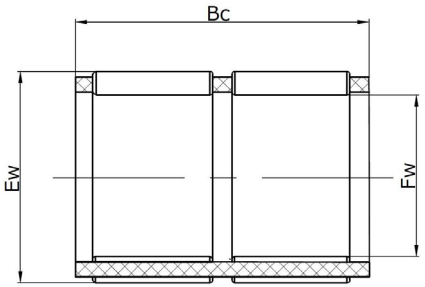
DESIGN OPTIONS:

| | | |
|---|---|---|
| K…*…*… | (K…*…*…) | - single-row |
| KK…*…*… | (K…*…*…W) | - double-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast ;
- made of nonferrous metals




**K…*…*… (K…*…*…)**



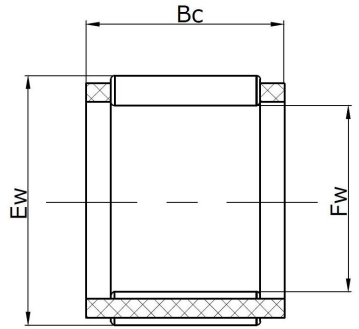

**KK…*…*… (K…*…*…W)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| K 45x50x27 | K 45x50x27 | 45 | 50 | 27 | | 0,058 | 32,5 | 78 | 6000 | 10000 |
| K 45x52x20 | K 45x52x20 | 45 | 52 | 20 | | - | - | - | 6000 | 10000 |
| K 45x53x20 | K 45x53x20 | 45 | 53 | 20 | | 0,065 | 34 | 60 | 6000 | 10000 |
| K 45x53x25 | K 45x53x25 | 45 | 53 | 25 | | 0,094 | 40,5 | 75 | 6000 | 10000 |
| K 50x55x20 | K 50x55x20 | 50 | 55 | 20 | | 0,04 | 28,5 | 69,5 | 5600 | 8500 |
| K 50x55x27 | K 50x55x27 | 50 | 55 | 27 | | - | - | - | 5600 | 8500 |
| K 50x58x25 | K 50x58x25 | 50 | 58 | 25 | | 0,87 | 44 | 86,5 | 5600 | 8500 |
| K 55x61x20 | K 55x61x20 | 55 | 61 | 20 | | - | - | - | 5300 | 8000 |
| K 55x61x30 | K 55x61x30 | 55 | 61 | 30 | | - | - | - | 5300 | 8000 |
| K 55x63x20 | K 55x63x20 | 55 | 63 | 20 | | 0,078 | 38 | 75 | 5300 | 8000 |
| K 55x63x25 | K 55x63x25 | 55 | 63 | 25 | | 0,095 | 47,5 | 98 | 5300 | 8000 |
| K 60x65x20 | - | 60 | 65 | 20 | | 0,031 | 29,5 | 72 | 4500 | 6700 |
| K 60x66x20 | K 60x66x20 | 60 | 66 | 20 | | - | - | - | 4500 | 6700 |
| K 60x66x30 | K 60x66x30 | 60 | 66 | 30 | | - | - | - | 4500 | 6700 |
| K 60x68x30 | K 60x68x30 | 60 | 68 | 30 | | 0,13 | 40,5 | 63,5 | 4500 | 6700 |
| K 60x70x30 | K 60x70x30 | 60 | 70 | 30 | | - | - | - | 4500 | 6700 |
| K 65x73x30 | K 65x73x30 | 65 | 73 | 30 | | 0,131 | 57 | 129 | 4300 | 6300 |
| K 70x76x15 | K 70x76x15 | 70 | 76 | 15 | | - | - | - | 4000 | 6000 |
| K 70x76x20 | K 70x76x20 | 70 | 76 | 20 | | - | 34 | 85 | 4000 | 6000 |
| K 70x76x30 | K 70x76x30 | 70 | 76 | 30 | | 0,082 | 49 | 134 | 4000 | 6000 |
| K 70x78x30 | K 70x78x30 | 70 | 78 | 30 | | 0,14 | 58,5 | 140 | 4000 | 6000 |
| K 75x81x20 | K 75x81x20 | 75 | 81 | 20 | | 0,121 | 37,5 | 94 | 3800 | 5600 |
| K 75x81x30 | K 75x81x30 | 75 | 81 | 30 | | 0,072 | 52 | 143 | 3800 | 5600 |
| K 75x83x23 | - | 75 | 83 | 23 | | 0,073 | 49 | 105 | 3800 | 5600 |
| K 75x83x30 | K 75x83x30 | 75 | 83 | 30 | | 0,181 | 57 | 140 | 3800 | 5600 |
| K 80x86x20 | K 80x86x20 | 80 | 86 | 20 | | 0,106 | 36,5 | 98 | 3600 | 5300 |
| K 80x88x20 | K 80x88x20 | 80 | 88 | 20 | | 0,112 | 44 | 102 | 3600 | 5300 |
| K 80x88x25 | K 80x88x25 | 80 | 88 | 25 | | 0,161 | 51 | 122 | 3600 | 5300 |
| K 80x88x30 | K 80x88x30 | 80 | 88 | 30 | | 0,16 | 64 | 163 | 3600 | 5300 |
| K 85x92x20 | K 85x92x20 | 85 | 92 | 20 | | 0,094 | 38 | 93 | 3600 | 5300 |
| K 85x93x25 | K 85x93x25 | 85 | 93 | 25 | | 0,17 | 53 | 129 | 3600 | 5300 |
| K 85x93x30 | K 85x93x30 | 85 | 93 | 30 | | 0,169 | 65,5 | 173 | 3600 | 5300 |
| K 85x95x25 | K 85x95x25 | 85 | 95 | 25 | | 0,166 | 67 | 150 | 3600 | 5300 |
| K 90x98x25 | K 90x98x25 | 90 | 98 | 25 | | 0,179 | 52 | 129 | 3000 | 4500 |

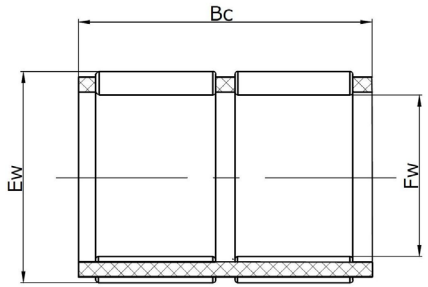
DESIGN OPTIONS:

| | | |
|---|---|---|
| K…*…*… | (K…*…*…) | - single-row |
| KK…*…*… | (K…*…*…W) | - double-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast ;
- made of nonferrous metals




K…*…*… (K…*…*…)



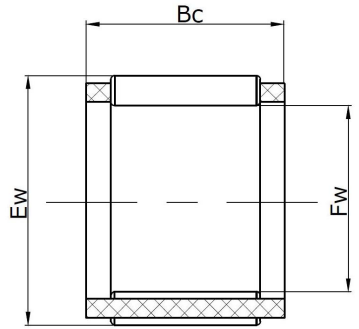

KK…*…*… (K…*…*…W)

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| K 90x98x30 | K 90x98x30 | 90 | 98 | 30 | | 0,215 | 60 | 156 | 3000 | 4500 |
| K 95x103x30 | K 95x103x30 | 95 | 103 | 30 | | 0,228 | 67 | 183 | 3000 | 4500 |
| K 100x107x35 | K 100x107x35 | 100 | 107 | 35 | | 0,096 | - | - | 2700 | 3600 |
| K 100x108x30 | K 100x108x30 | 100 | 108 | 30 | | 0,239 | 68 | 193 | 2700 | 3600 |
| K 100x110x30 | K 100x110x30 | 100 | 110 | 30 | | - | - | - | 2700 | 3600 |
| K 140x150x43 | - | 140 | 150 | 43 | | 0,397 | 121,3 | 367,2 | 1800 | 3000 |
| | | | | | | | | | | |
| KK 10x13x23 | KK 10x13x23 | 10 | 13 | 23 | | 0,004 | 7,8 | 11,4 | 19000 | 28000 |
| KK 12x15x20 | KK 12x15x20 | 12 | 15 | 20 | | 0,0052 | 8 | 11,3 | 17000 | 26000 |
| KK 15x18x22 | K 15x18x22ZW | 15 | 18 | 22 | | 0,0083 | 9,4 | 15,1 | 15000 | 23000 |
| KK 15x19x22 | K 15x19x22ZW | 15 | 19 | 22 | | 0,01 | 11,6 | 17,3 | 15000 | 23000 |
| KK 15x19x24 | K 15x19x24ZW | 15 | 19 | 24 | | 0,0105 | 13,9 | 20,4 | 15000 | 23000 |
| KK 16x20x20 | K 16x20x20ZW | 16 | 20 | 20 | | 0,008 | - | - | 15000 | 22000 |
| KK 18x22x24 | K 18x22x24ZW | 18 | 22 | 24 | | 0,013 | - | - | 14000 | 21000 |
| KK 18x24x26 | K 18x24x26ZW | 18 | 24 | 26 | | 0,018 | - | - | 14000 | 21000 |
| KK 20x24x26 | K 20x24x26ZW | 20 | 24 | 26 | | 0,01 | - | - | 13000 | 20000 |
| KK 20x25x40 | K 20x25x40ZW | 20 | 25 | 40 | | 0,041 | 28,5 | 51 | 13000 | 20000 |
| KK 20x26x34 | K20x26x34ZW | 20 | 26 | 34 | | - | - | - | - | - |
| KK20x28x36 | K20x28x36ZW | 20 | 28 | 36 | | - | - | - | - | - |
| KK 22x26x26 | K 22x26x26ZW | 22 | 26 | 26 | | 0,014 | - | - | 12000 | 19000 |
| KK 22x27x40 | K 22x27x40ZW | 22 | 27 | 40 | | 0,045 | 30 | 55 | 12000 | 19000 |
| KK 24x28x36 | K 24x28x36ZW | 24 | 28 | 36 | | 0,027 | 25 | 53 | 10000 | 17000 |
| KK 24x30x31 | K 24x30x31ZW | 24 | 30 | 31 | | 0,0391 | 27,5 | 43,5 | 10000 | 17000 |
| KK 25x30x26 | K 25x30x26ZW | 25 | 30 | 26 | | 0,027 | 21,4 | 35,5 | 10000 | 17000 |
| KK 25x30x39 | K 25x30x39ZW | 25 | 30 | 39 | | 0,029 | 29,5 | 54 | 10000 | 17000 |
| KK 26x30x22 | ZWK 26x30x22 | 26 | 30 | 22 | | 0,017 | 16 | 30,5 | 10000 | 17000 |
| KK 28x33x26 | K 28x33x26ZW | 28 | 33 | 27 | | 0,033 | 23,5 | 42 | 10000 | 17000 |
| KK 28x33x27 | K 28x33x27ZW | 28 | 33 | 27 | | 0,0193 | - | - | 10000 | 17000 |
| KK 30x35x26 | K 30x35x26ZW | 30 | 35 | 26 | | 0,032 | 24 | 44 | 8500 | 14000 |
| KK 30x35x27 | K 30x35x27ZW | 30 | 35 | 27 | | 0,031 | 19 | 34,5 | 8500 | 14000 |
| KK 30x38x30 | K 30x38x30ZW | 30 | 38 | 30 | | 0,052 | 44 | 70 | 8500 | 14000 |
| KK 32x40x42 | K 32x40x42ZW | 32 | 40 | 42 | | 0,0771 | 50 | 84 | 8500 | 14000 |
| KK 32x52x48 | K 32x52x48ZW | 32 | 52 | 48 | | - | - | - | 8500 | 14000 |
| KK 34x39x45 | K 34x39x45ZW | 34 | 39 | 45 | | 0,058 | 37,5 | 85 | 8000 | 12000 |

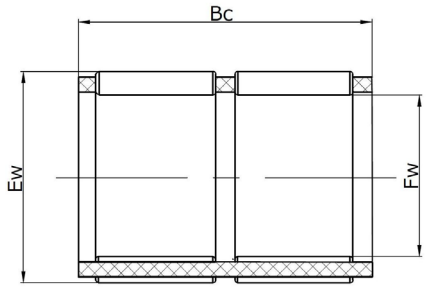
DESIGN OPTIONS:

| | | |
|---|---|---|
| K…*…*… | (K…*…*…) | - single-row |
| KK…*…*… | (K…*…*…W) | - double-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast ;
- made of nonferrous metals




K…*…*… (K…*…*…)



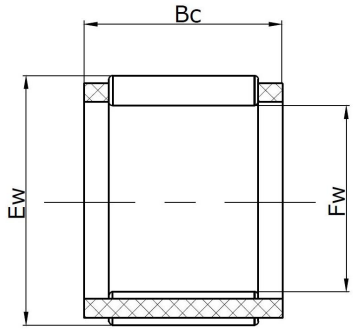

KK…*…*… (K…*…*…W)

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| KK 35x40x25 | K 35x40x25ZW | 35 | 40 | 25 | | 0,0255 | 25,5 | 50 | 8000 | 12000 |
| KK 35x40x26 | K 35x40x26ZW | 35 | 40 | 26 | | 0,036 | 25 | 52 | 8000 | 12000 |
| KK 35x40x30 | K 35x40x30ZW | 35 | 40 | 30 | | 0,043 | 25,5 | 50 | 8000 | 12000 |
| KK 35x40x32 | K 35x40x32ZW | 35 | 40 | 32 | | 0,048 | 32 | 66 | 8000 | 12000 |
| KK 35x41x40 | K 35x41x40ZW | 35 | 41 | 40 | | 0,069 | 41,5 | 86,5 | 8000 | 12000 |
| KK 35x42x35,8 | K 35x42x35,8ZW | 35 | 42 | 35,8 | | - | - | - | 8000 | 12000 |
| KK 35x42x45 | K 35x42x45ZW | 35 | 42 | 45 | | 0,119 | 44 | 83 | 8000 | 12000 |
| KK 36x42x46 | K 36x42x46ZW | 36 | 42 | 46 | | 0,086 | 51 | 108 | 7000 | 11000 |
| KK 37x42x26 | K 37x42x26ZW | 37 | 42 | 26 | | 0,0168 | - | - | 7000 | 11000 |
| KK 37x42x28 | K 37x42x28ZW | 37 | 42 | 28 | | 0,0384 | 27 | 54 | 7000 | 11000 |
| KK 37x42x31 | K 37x42x31ZW | 37 | 42 | 31 | | 0,03 | - | - | 7000 | 11000 |
| KK 37x42x33 | K 37x42x33ZW | 37 | 42 | 33 | | 0,0305 | - | - | 7000 | 11000 |
| KK 39x44x26 | K 39x44x26ZW | 39 | 44 | 26 | | 0,036 | 21,2 | 43 | 6000 | 10000 |
| KK 40x45x30 | K 40x45x30ZW | 40 | 45 | 30 | | 0,048 | 26,5 | 54 | 6000 | 10000 |
| KK 40x45x34 | K 40x45x34ZW | 40 | 45 | 34 | | 0,042 | - | - | 6000 | 10000 |
| KK 40x46x32 | K 40x46x32ZW | 40 | 46 | 32 | | 0,0505 | - | - | 6000 | 10000 |
| KK 40x46x40 | K 40x46x40ZW | 40 | 46 | 40 | | 0,074 | 43 | 96,5 | 6000 | 10000 |
| KK 42x47x26 | K 42x47x26ZW | 42 | 47 | 26 | | 0,43 | 25 | 33,5 | 6000 | 10000 |
| KK 42x47x30 | K 42x47x30ZW | 42 | 47 | 30 | | 0,054 | 33,5 | 76 | 6000 | 10000 |
| KK 42x47x32 | K 42x47x32ZW | 42 | 47 | 32 | | 0,041 | - | - | 6000 | 10000 |
| KK 42x50x40 | K 42x50x40ZW | 42 | 50 | 40 | | 0,122 | 55 | 108 | 6000 | 10000 |
| KK 45x49x31 | K 45x49x31ZW | 45 | 49 | 31 | | 0,035 | 21,5 | 51 | 6000 | 10000 |
| KK 45x50x34 | K 45x50x34ZW | 45 | 50 | 34 | | 0,046 | - | - | 6000 | 10000 |
| KK 45x51x36 | K 45x51x36ZW | 45 | 51 | 36 | | 0,085 | 45 | 99 | 6000 | 10000 |
| KK 45x51x46 | K 45x51x46ZW | 45 | 51 | 46 | | 0,189 | - | - | 6000 | 10000 |
| KK 45x53x21 | K 45x53x21ZW | 45 | 53 | 21 | | 0,052 | - | - | 6000 | 10000 |
| KK 48x53x34 | K 48x53x34ZW | 48 | 53 | 34 | | 0,05 | - | - | 6000 | 10000 |
| KK 50x55x40 | K 50x55x40ZW | 50 | 55 | 40 | | 0,058 | - | - | 5600 | 8500 |
| KK 50x57x36 | K 50x57x36ZW | 50 | 57 | 36 | | 0,845 | - | - | 5600 | 8500 |
| KK 52x58x40 | K 52x58x40ZW | 50 | 58 | 40 | | 0,088 | - | - | 5600 | 8500 |
| KK 52x57x34 | K 52x57x34ZW | 52 | 57 | 34 | | 0,078 | - | - | 5600 | 8500 |
| KK 52x60x50 | K 52x60x50ZW | 52 | 60 | 50 | | 0,153 | - | - | 5600 | 8500 |
| KK 53x59x41 | K 53x59x41ZW | 53 | 59 | 41 | | 0,079 | - | - | 5600 | 8500 |
| KK 55x60x37 | K 55x60x37ZW | 55 | 60 | 37 | | 0,0945 | 43,5 | 116 | 5300 | 8000 |

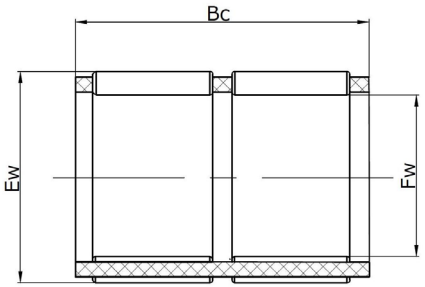
DESIGN OPTIONS:

| | | |
|---|---|---|
| K…*…*… | (K…*…*…) | - single-row |
| KK…*…*… | (K…*…*…W) | - double-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast ;
- made of nonferrous metals




K…*…*… (K…*…*…)



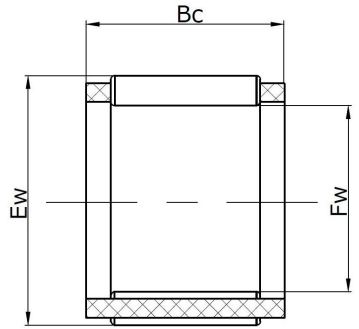

KK…*…*… (K…*…*…W)

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| KK 55x60x40 | K 55x60x40ZW | 55 | 60 | 40 | | 0,0965 | 48,5 | 133 | 5300 | 8000 |
| KK 55x63x32 | K 55x63x32ZW | 55 | 63 | 32 | | 0,122 | 46,5 | 96,5 | 5300 | 8000 |
| KK 57x63x43 | K 57x63x43ZW | 57 | 63 | 32 | | 0,0147 | 51 | 78 | 5300 | 8000 |
| KK 57x65x45 | K 57x65x45ZW | 57 | 65 | 45 | | 0,144 | - | - | 5300 | 8000 |
| KK 58x63x34 | K 58x63x34ZW | 58 | 63 | 34 | | 0,06 | - | - | 5300 | 8000 |
| KK 58x65x36 | K 58x65x36ZW | 58 | 65 | 36 | | 0,106 | 49 | 107 | 5300 | 8000 |
| KK 58x65x40 | K 58x65x40ZW | 58 | 65 | 40 | | 0,117 | 63 | 150 | 5300 | 8000 |
| KK 60x65x40 | K 60x65x40ZW | 60 | 65 | 40 | | 0,072 | - | - | 4500 | 6700 |
| KK 60x66x33 | K 60x66x33ZW | 60 | 66 | 33 | | 0,104 | 46 | 112 | 4500 | 6700 |
| KK 60x66x40 | K 60x66x40ZW | 60 | 66 | 40 | | 0,116 | 59 | 155 | 4500 | 6700 |
| KK 60x68x30 | K 60x68x30ZW | 60 | 68 | 30 | | 0,136 | 41 | 79 | 4500 | 6700 |
| KK 60x68x34 | K 60x68x34ZW | 60 | 68 | 34 | | 0,148 | 48 | 96 | 4500 | 6700 |
| KK 60x68x40 | K 60x68x40ZW | 60 | 68 | 40 | | 0,153 | 52 | 114 | 4500 | 6700 |
| KK 60x70x40 | K 60x70x40ZW | 60 | 70 | 40 | | 0,14 | - | - | 4500 | 6700 |
| KK 62x70x37 | K 62x70x37ZW | 62 | 70 | 37 | | 0,165 | 52 | 85 | 4500 | 6700 |
| KK 62x70x40 | K 62x70x40ZW | 62 | 70 | 40 | | 0,1745 | 66 | 146 | 4500 | 6700 |
| KK 62x70x45 | K 62x70x45ZW | 62 | 70 | 45 | | 0,123 | - | - | 4500 | 6700 |
| KK 62x70x52 | K 62x70x52ZW | 62 | 70 | 52 | | 0,16 | - | - | 4500 | 6700 |
| KK 63x71x40 | K 63x71x40ZW | 63 | 71 | 40 | | 0,122 | - | - | 4500 | 6700 |
| KK 65x73x30 | K 65x73x30ZW | 65 | 73 | 30 | | 0,118 | - | - | 4300 | 6300 |
| KK 65x73x40 | K 65x73x40ZW | 65 | 73 | 40 | | - | - | - | 4300 | 6300 |
| KK 65x73x43 | K 65x73x43ZW | 65 | 73 | 43 | | - | - | - | 4300 | 6300 |
| KK 65x73x46 | K 65x73x46ZW | 65 | 73 | 46 | | 0,162 | 62 | 146 | 4300 | 6300 |
| KK 65x73x47 | K 65x73x47ZW | 65 | 73 | 47 | | 0,17 | - | - | 4300 | 6300 |
| KK 65x73x54 | K 65x73x54ZW | 65 | 73 | 54 | | 0,194 | - | - | 4300 | 6300 |
| KK 68x74x35 | K 68x74x35ZW | 68 | 74 | 35 | | 0,116 | 45 | 113 | 4300 | 6300 |
| KK 68x74x40 | K 68x74x40ZW | 68 | 74 | 40 | | 0,125 | 48 | 132 | 4300 | 6300 |
| KK 68x74x45 | K 68x74x45ZW | 68 | 74 | 45 | | 0,165 | 53 | 88 | 4300 | 6300 |
| KK 68x75x32 | K 68x75x32ZW | 68 | 75 | 32 | | 0,12 | 54 | 128 | 4300 | 6300 |
| KK 68x76x40 | K 68x76x40ZW | 68 | 76 | 40 | | 0,14 | - | - | 4300 | 6300 |
| KK 68x76x47,5 | K 68x76x47,5ZW | 68 | 76 | 47,5 | | 0,168 | - | - | 4300 | 6300 |
| KK 70x76x46 | K 70x76x46ZW | 70 | 76 | 46 | | 0,1235 | - | - | 4000 | 6000 |
| KK 70x76x50 | K 70x76x50ZW | 70 | 76 | 50 | | - | - | - | 4000 | 6000 |
| KK 70x78x37 | K 70x78x37ZW | 70 | 78 | 37 | | 0,15 | 53 | 86 | 4000 | 6000 |

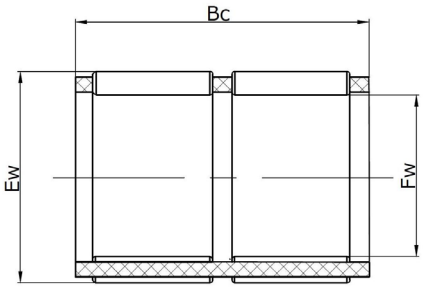
DESIGN OPTIONS:

| | | |
|---|---|---|
| K…*…*… | (K…*…*…) | - single-row |
| KK…*…*… | (K…*…*…W) | - double-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast ;
- made of nonferrous metals




**K…*…*… (K…*…*…)**



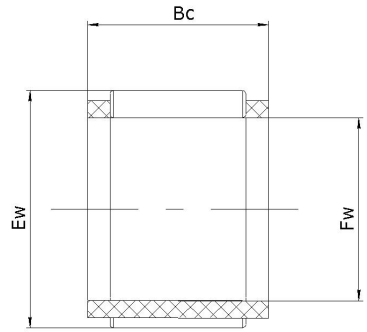

**KK…*…*… (K…*…*…W)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| KK 70x78x44,5 | K 70x78x44,5ZW | 70 | 78 | 44,5 | | 0,206 | - | - | 4000 | 6000 |
| KK 70x78x46 | K 70x78x46ZW | 70 | 78 | 46 | | 0,218 | 78 | 189 | 4000 | 6000 |
| KK 70x78x50 | K 70x78x50ZW | 70 | 78 | 50 | | 0,224 | 72 | 183 | 4000 | 6000 |
| KK 70x78x55 | K 70x78x55ZW | 70 | 78 | 55 | | - | - | - | 4000 | 6000 |
| KK 70x78x57,2 | K 70x78x57,2ZW | 70 | 78 | 57,2 | | 0,1735 | - | - | 4000 | 6000 |
| KK 70x78x65 | K 70x78x65ZW | 70 | 87 | 65 | | - | - | - | 4000 | 6000 |
| KK 72x80x40 | K 72x80x40ZW | 72 | 80 | 40 | | 0,14 | - | - | 4000 | 6000 |
| KK 73x79x50 | K 73x79x50ZW | 73 | 79 | 50 | | 0,164 | 62 | 186 | 4000 | 6000 |
| KK 75x83x35 | K 75x83x35ZW | 75 | 83 | 35 | | 0,165 | 63 | 147 | 3800 | 5600 |
| KK 75x83x40 | K 75x83x40ZW | 75 | 83 | 40 | | 0,19 | 73 | 177 | 3800 | 5600 |
| KK 75x83x46 | K 75x83x46ZW | 75 | 83 | 46 | | 0,219 | 76,5 | 200 | 3800 | 5600 |
| KK 80x88x40 | K 80x88x40ZW | 80 | 88 | 40 | | 0,204 | 76 | 192 | 3600 | 5300 |
| KK 80x88x46 | K 80x88x46ZW | 80 | 88 | 46 | | 0,235 | 88 | 231 | 3600 | 5300 |
| KK 80x88x50 | K 80x88x50ZW | 80 | 88 | 55 | | 0,19 | - | - | 3600 | 5300 |
| KK 80x88x55 | K 80x88x55ZW | 80 | 88 | 55 | | - | - | - | 3600 | 5300 |
| KK 82x90x37 | K 82x90x37ZW | 82 | 90 | 37 | | 0,175 | - | - | 3600 | 5300 |
| KK 84x96x36,5 | K 84x96x36,5ZW | 84 | 96 | 36,5 | | - | - | - | 3600 | 5300 |
| KK 85x92x48 | K 85x92x48ZW | 85 | 92 | 48 | | - | - | - | 3600 | 5300 |
| KK 85x93x40 | | 85 | 93 | 40 | | 0,17 | 75 | 212 | 3600 | 5300 |
| KK 85x93x42 | K 85x93x42ZW | 85 | 93 | 42 | | - | - | - | 3600 | 5300 |
| KK 85x93x55 | K 85x93x55ZW | 85 | 93 | 55 | | - | - | - | 3600 | 5300 |
| KK 92x102x50 | K 92x102x50ZW | 92 | 102 | 50 | | - | - | - | 3000 | 4500 |
| KK 95x103x39,7 | K 95x103x39,7ZW | 95 | 103 | 39,7 | | 0,298 | 72 | 200 | 3000 | 4500 |
| KK 95x103x40 | K 95x103x40ZW | 95 | 103 | 40 | | 0,25 | 83 | 228 | 3000 | 4500 |
| KK 95x103x45 | K 95x103x45ZW | 95 | 103 | 45 | | - | - | - | 3000 | 4500 |

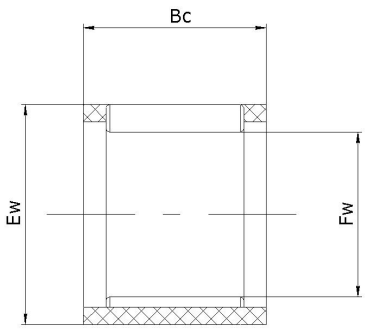
DESIGN OPTIONS:

| | |
|---|---|
| (KBK….) | - conrod bearing part of the piston pin |
| (KZK….) | - conrod bearing part of the bent shaft |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- made of nonferrous metals




**(KBK….)**



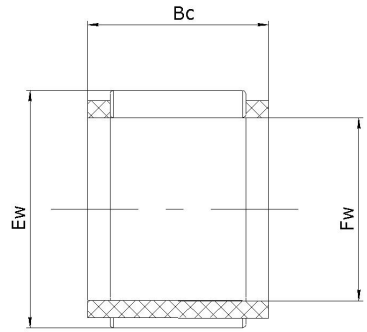

**(KZK….)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | KBK 8x10x11 | 8 | 10 | 11 | | - | - | - | - | - |
| - | KBK 9x12x11,5 | 9 | 12 | 11,5 | | - | - | - | - | - |
| - | KBK 9x12x13 | 9 | 12 | 13 | | - | - | - | - | - |
| - | KBK 9x13x13 | 9 | 13 | 13 | | - | - | - | - | - |
| - | KBK 10x14x13 | 10 | 14 | 13 | | 0,0054 | - | - | - | - |
| - | KBK 10x14x15 | 10 | 14 | 15 | | 0,0058 | - | - | - | - |
| - | KBK 11x15x16 | 11 | 15 | 16 | | - | - | - | - | - |
| - | KBK 11x15x17 | 11 | 15 | 17 | | - | - | - | - | - |
| - | KBK 12x15x13 | 12 | 15 | 13 | | 0,0067 | - | - | - | - |
| - | KBK 12x16x13 | 12 | 16 | 13 | | - | - | - | - | - |
| - | KBK 12x16x15 | 12 | 16 | 15 | | - | - | - | - | - |
| - | KBK 12x16x17 | 12 | 16 | 17 | | 0,009 | - | - | - | - |
| - | KBK 12x17x13 | 12 | 17 | 13 | | - | - | - | - | - |
| - | KBK 12x17x15 | 12 | 17 | 15 | | - | - | - | - | - |
| - | KBK 14x18x13 | 14 | 18 | 13 | | - | - | - | - | - |
| - | KBK 14x18x15 | 14 | 18 | 15 | | - | - | - | - | - |
| - | KBK 14x18x17 | 14 | 18 | 17 | | 0,0099 | - | - | - | - |
| - | KBK 14x18x20 | 14 | 18 | 20 | | 0,0113 | - | - | - | - |
| - | KBK 14x18x21 | 14 | 18 | 21 | | - | - | - | - | - |
| - | KBK 14x18x22 | 14 | 18 | 22 | | - | - | - | - | - |
| - | KBK 15x15x15 | 15 | 15 | 15 | | - | - | - | - | - |
| - | KBK 16x20x20 | 16 | 20 | 20 | | 0,0131 | - | - | - | - |
| - | KBK 18x23x23 | 18 | 23 | 23 | | 0,0224 | - | - | - | - |
| | | | | | | | | | | |
| - | KZK 8x12x8 | 8 | 12 | 8 | | - | - | - | - | - |
| - | KZK 10x14x10 | 10 | 14 | 10 | | 0,004 | - | - | - | - |
| - | KZK 12x16x10 | 12 | 16 | 10 | | - | - | - | - | - |
| - | KZK 12x16x12 | 12 | 16 | 12 | | - | - | - | - | - |
| - | KZK 12x17x10 | 12 | 17 | 10 | | - | - | - | - | - |
| - | KZK 12x18x10 | 12 | 18 | 10 | | - | - | - | - | - |
| - | KZK 13x18x10 | 13 | 18 | 10 | | - | - | - | - | - |
| - | KZK 14x18x10 | 14 | 18 | 10 | | 0,004 | - | - | - | - |
| - | KZK 15x19x10 | 15 | 19 | 10 | | - | - | - | - | - |
| - | KZK 15x20x10 | 15 | 20 | 10 | | 0,0068 | - | - | - | - |

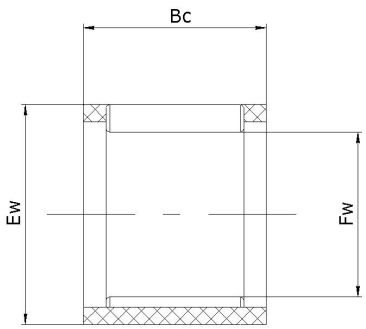
DESIGN OPTIONS:

| | |
|---|---|
| (KBK….) | - conrod bearing part of the piston pin |
| (KZK….) | - conrod bearing part of the bent shaft |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- made of nonferrous metals




**(KBK….)**




**(KZK….)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | KZK 15x20x12 | 15 | 20 | 12 | | - | - | - | - | - |
| - | KZK 15x21x10 | 15 | 21 | 10 | | - | - | - | - | - |
| - | KZK 16x20x10 | 16 | 20 | 10 | | - | - | - | - | - |
| - | KZK 16x20x24 | 16 | 20 | 24 | | - | - | - | - | - |
| - | KZK 16x22x12 | 16 | 22 | 12 | | 0,0094 | - | - | - | - |
| - | KZK 16x22x14 | 16 | 22 | 14 | | 0,0109 | - | - | - | - |
| - | KZK 18x24x12 | 18 | 24 | 12 | | 0,0109 | - | - | - | - |
| - | KZK 20x26x12 | 20 | 26 | 12 | | 0,0108 | - | - | - | - |
| - | KZK 20x26x15 | 20 | 26 | 15 | | - | - | - | - | - |
| - | KZK 20x26x17 | 20 | 26 | 17 | | 0,0167 | - | - | - | - |
| - | KZK 22x28x15 | 22 | 28 | 15 | | 0,0167 | - | - | - | - |
| - | KZK 22x29x16 | 22 | 29 | 16 | | - | - | - | - | - |
| - | KZK 25x30x13 | 25 | 30 | 13 | | - | - | - | - | - |
| - | KZK 25x32x16 | 25 | 32 | 16 | | - | - | - | - | - |
| - | KZK 28x35x16 | 28 | 35 | 16 | | 0,276 | - | - | - | - |

| Обозначение ГОСТ | Рисунок | Диаметр отверстия (d, мм) | Наружный диаметр (D, мм) | Ширина (высота) (B, мм) | Масса (m, кг) | Грузоподъемность динамическая (C, kH) |
|---|---|---|---|---|---|---|
| 704702 | рис.6 | 16,305 | 30 | 21 | 0,069 | 11 |
| 704702 К2 | рис.7 | 16,305 | 30 | 25 | 0,07 | 11 |
| 704702 КУ2 | рис.7 | 16,305 | 30 | 25 | 0,07 | 11 |
| 704703 | рис.7 | 18,385 | 30 | 25 | - | 10,8 |
| | | | | | | |
| 704902 КУ3 | рис.6 | 15,2 | 28 | 22 | 0,061 | 9,5 |
| 704902 К6У | рис.6 | 15,235 | 28 | 20 | 0,06 | 9,5 |
| 704902 К3С17 | рис.6 | 15,2 | 28 | 20 | 0,06 | 9,5 |
| 704902 К4У | рис.5 | 15,235 | 28 | 20 | 0,06 | 9,5 |
| | | | | | | |
| 804607 | рис.10 | 33,635 | 50 | 30 | - | 21,5 |
| | | | | | | |
| 804704 К3 | рис.8 | 22 | 35 | 27 | 0,09 | 16 |
| 804706 | рис.11 | 31,455 | 47 | 36 | 0,23 | 42 |
| 804707 К3 | рис.10 | 33,635 | 50 | 37 | 0,27 | 33 |
| 804707 А | рис.12 | 33,365 | 50 | 37 | 0,31 | 51 |
| 804709 К5 | рис.10 | 44,985 | 62 | 37 | 0,37 | 38,5 |
| 804709 А | рис.12 | 45,275 | 62 | 37 | 0,34 | 52 |
| 804709 А2 | рис.11 | 45 | 62 | 37 | 0,35 | 52 |
| 804710 А | рис.13 | 49,425 | 72 | 47 | 0,45 | 60 |
| | | | | | | |
| 804805 К1 | рис.10 | 25,1 | 39 | 31 | 0,136 | 18,5 |
| 804805 К2 | рис.10 | 24,986 | 39 | 30 | 0,14 | 18,5 |
| 804807 К3 | рис.10 | 33,635 | 50 | 31 | 0,23 | 21,5 |
| 804907 К3 | рис.8 | 33,635 | 50 | 25 | 0,25 | 21,5 |
| | | | | | | |
| 814709 К | рис.10 | 44,985 | 62 | 37 | - | 65 |
| 814712 К1 | рис.13 | 60 | 55 | 68 | 1,73 | - |
| 814712 К4 | рис.14 | 58,53 | 90 | 70 | 2,27 | - |
| 814715 К1 | рис.14 | 75 | 110 | 81 | 3,61 | - |
| | | | | | | |
| 814906 К | рис.10 | 33,635 | 50 | 37 | - | 50 |
| | | | | | | |
| 904700 К | рис.3 | 10,005 | 19 | 11 | 0,01 | 5 |
| 904700 У | рис.2 | 10,005 | 19 | 9 | 0,011 | - |
| 904704 | рис.4 | 22 | 35 | 28 | - | 15,3 |
| | | | | | | |
| 904902 К1 | рис.1 | 14,723 | 23,841 | 13 | 0,025 | 11 |
| | | | | | | |
| 804704 К1 | рис.9 | 22 | 35 | 27 | 0,09 | 16 |
| 804704 К2 | рис.9 | 22 | 35 | 27 | 0,09 | 16 |

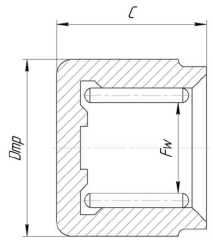


Рис. 1

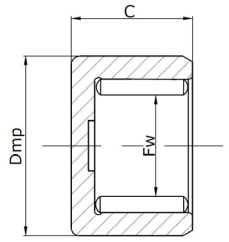


Рис. 2

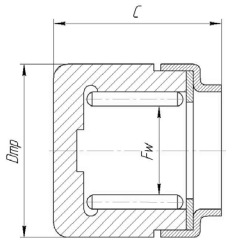


Рис. 3

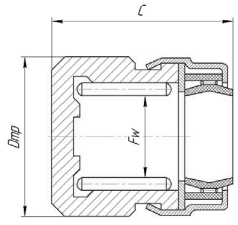


Рис. 4

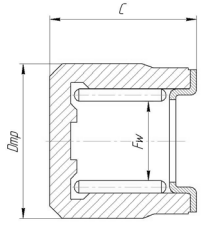


Рис. 5

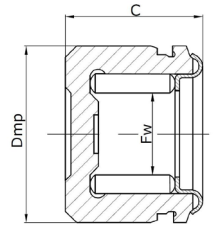


Рис. 6

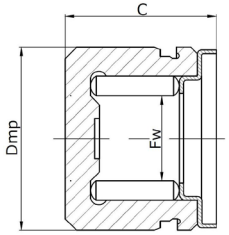


Рис. 7

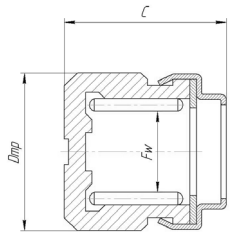


Рис. 8

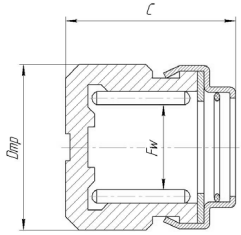


Рис. 9

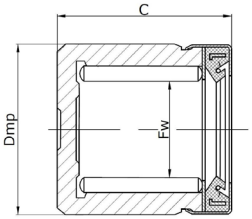


Рис. 10

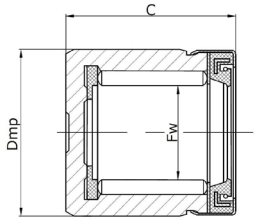


Рис. 11

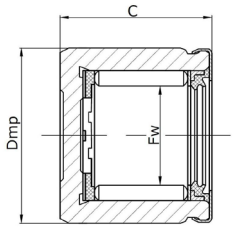


Рис. 12

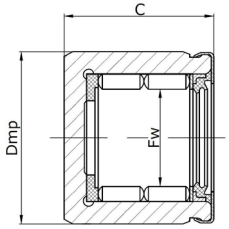


Рис. 13

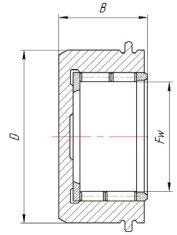
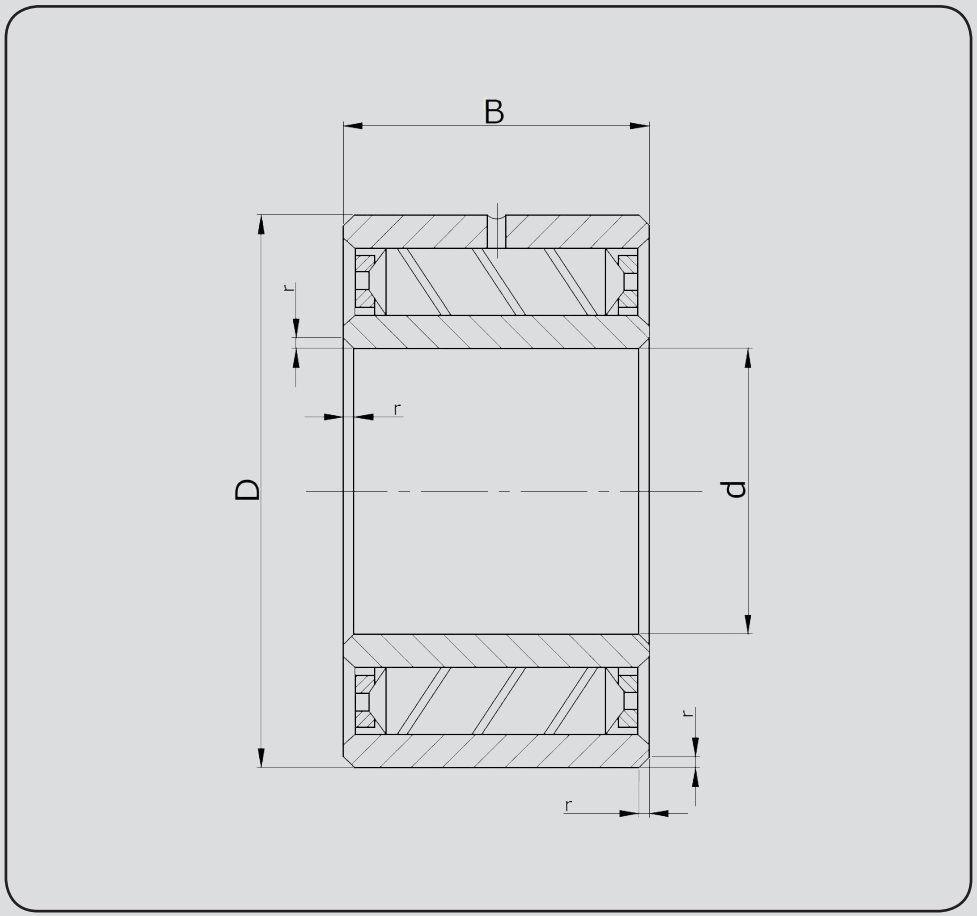


Рис. 14




# RADIAL ROLLER BEARINGS WITH TWISTED ROLLERS

**(TYPE BEARINGS «5»)**


**WITH EXTERNAL AND INTERNAL RACES ..... 410**

**WITH THE CHASE FOR FASTENING ON THE EXTENDED INNER RACE ..... 412**

**WITH ONE OUTER INTEGRAL RACE ..... 414**

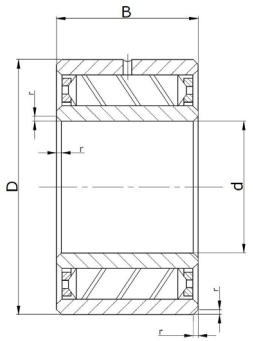
**WITH ONE OUTER SPLIT RACE ..... 414**

**WITHOUT RACES ..... 416**

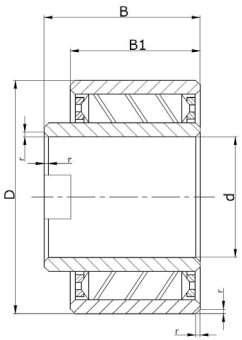
DESIGN OPTIONS:

| | |
|---|---|
| 5 000 | - with external and internal races |
| 15 000 | - with the chase for fastening on the extended inner race |

OPTIONS OF SEPARATOR DESIGN:
- separator steel combined




**5 000**



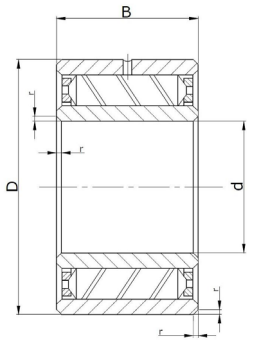

**15 000**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5026 | - | 30 | 60 | 28 | | 0,43 | - | - | - | - |
| 5027 | - | 35 | 72 | 30 | | 0,62 | - | - | - | - |
| 5028 | - | 40 | 80 | 35 | | 0,94 | - | - | - | - |
| 5029 | - | 45 | 85 | 40 | | 1,09 | - | - | - | - |
| | | | | | | | | | | |
| 5210 | 50F2 | 50 | 90 | 44 | | 1,3 | 31 | 77,6 | - | - |
| 5212 | 60F2 | 60 | 110 | 49 | | 2,1 | 42,4 | 106,1 | - | - |
| 5215 | 75F2 | 75 | 130 | 67 | | 3,8 | 72,9 | 183 | - | - |
| 5216 | 80F2 | 80 | 140 | 67 | | 4,2 | 76,8 | 192,7 | - | - |
| 5217 | 85F2 | 85 | 150 | 70 | | 5,1 | 75 | 186,7 | - | - |
| 5218 | 90F2 | 90 | 160 | 70 | | 6 | 89,5 | 224,4 | - | - |
| 5219 | 95F2 | 95 | 170 | 76 | | 8,08 | - | - | - | - |
| 5220 | 100F2 | 100 | 180 | 82 | | 9 | 113,3 | 284 | - | - |
| 5222 | 110F2 | 110 | 200 | 89 | | 11,9 | 140 | 355 | - | - |
| 5224 | 120F2 | 120 | 215 | 98 | | 14,8 | 169 | 423 | - | - |
| 5226 | 130F2 | 130 | 230 | 108 | | 19,94 | - | - | - | - |
| 5230 | 150F2 | 150 | 270 | 120 | | 29,8 | 248 | 621,5 | - | - |
| 5232 | 160F2 | 160 | 290 | 124 | | 35,9 | 282 | 708 | - | - |
| 5236 | 180F2 | 180 | 320 | 149 | | 52,2 | 379 | 949,5 | - | - |
| | | | | | | | | | | |
| 3005218 | 90F1 | 90 | 160 | 52,4 | | 4,8 | 60,4 | 151,4 | - | - |
| 3005220 | 100F1 | 100 | 180 | 60 | | 7 | 74,2 | 186,1 | - | - |
| 3005728 | 140F1 | 140 | 225 | 68 | | 10,6 | 137,5 | 347,7 | - | - |
| | | | | | | | | | | |
| 5305 | - | 25 | 62 | 28 | | 0,64 | - | - | - | - |
| 5306 | - | 30 | 72 | 30 | | 0,68 | - | - | - | - |
| 5307 | - | 35 | 80 | 35 | | 0,84 | - | - | - | - |
| 5308 | - | 40 | 90 | 36 | | 1,11 | - | - | - | - |
| 5309 | - | 45 | 100 | 3*9 | | 1,24 | - | - | - | - |
| 5310 | - | 50 | 110 | 44 | | 2,02 | - | - | - | - |
| 5311 | - | 55 | 120 | 49 | | 2,98 | - | - | - | - |
| 5312 | - | 60 | 130 | 54 | | 3,72 | - | - | - | - |
| 5313 | - | 65 | 140 | 59 | | 4,25 | - | - | - | - |
| 5314 | - | 70 | 150 | 64 | | 5,43 | - | - | - | - |

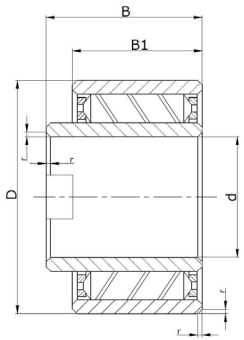
DESIGN OPTIONS:

| | |
|---|---|
| 5 000 | - with external and internal races |
| 15 000 | - with the chase for fastening on the extended inner race |

OPTIONS OF SEPARATOR DESIGN:
- separator steel combined




**5 000**



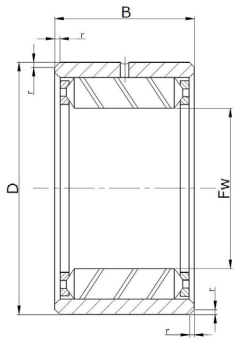

**15 000**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5315 | - | 75 | 160 | 68 | | 6,7 | - | - | - | - |
| 5316 | - | 80 | 170 | 68 | | 7,4 | - | - | - | - |
| 5317 | - | 85 | 180 | 73 | | 9,17 | - | - | - | - |
| 5318 | - | 90 | 190 | 76 | | 12,1 | - | - | - | - |
| 5319 | - | 95 | 200 | 78 | | 12,5 | - | - | - | - |
| 5320 | - | 100 | 215 | 83 | | 15,82 | - | - | - | - |
| 5322 | - | 110 | 240 | 95 | | 21,24 | - | - | - | - |
| 5324 | - | 120 | 260 | 105 | | 27,95 | - | - | - | - |
| 5326 | - | 130 | 280 | 110 | | 33,46 | - | - | - | - |
| | | | | | | | | | | |
| 5740 | 200F2 | 200 | 340 | 175 | | 67,8 | 498 | 1249,8 | - | - |
| 5744 | 220F1 | 220 | 380 | 175 | | 87,3 | 542 | 1362 | - | - |
| 5748 | - | 240 | 360 | 114 | | 43 | - | - | - | - |
| 5756 | - | 280 | 420 | 127 | | 61,2 | - | - | - | - |
| 5788 | - | 440 | 560 | 110 | | 70,7 | - | - | - | - |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 5826 | - | 130 | 230 | 110 | | 19,9 | - | - | - | - |
| 5828 | - | 140 | 250 | 120 | | 26,5 | - | - | - | - |
| | | | | | | | | | | |
| 15744 | 220P | 220 | 380 | 175/240 | | 96 | 542 | 1362 | - | - |
| | | | | | | | | | | |
| 15826 | - | 130 | 230 | 110 | | 22 | - | - | - | - |
| 15832 | 160P | 160 | 290 | 170 | | 41,1 | 282,5 | 707,8 | - | - |
| | | | | | | | | | | |
| 15917 | 87P1 | 87,313 | 160 | 79,5 | | 5,75 | 60,4 | 151,5 | - | - |
| 15925 | - | 125 | 230 | 80 | | 16,7 | - | - | - | - |
| 15930 | 150P1 | 150,813 | 270 | 136,5 | | 25 | 171 | 428,7 | - | - |
| 15933 | 163P1 | 163,513 | 290 | 139,7 | | 33,9 | 211 | 528,5 | - | - |
| | | | | | | | | | | |
| 3015220 | 100P1 | 100 | 180 | 60/92 | | 9,4 | 74,2 | 186,1 | - | - |

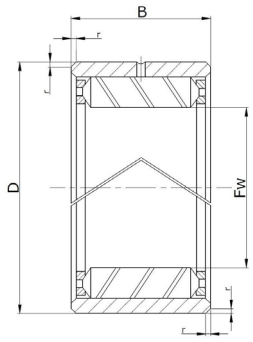
DESIGN OPTIONS:

| | |
|---|---|
| 35 000 | - with one outer integral race |
| 45 000 | - with one outer split race |

OPTIONS OF SEPARATOR DESIGN:
- separator steel combined




**35 000**



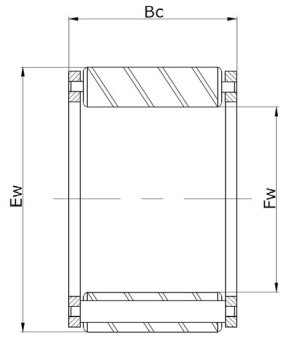

**45 000**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 35206 | - | 40 | 62 | 28 | | 0,31 | - | - | - | - |
| 35208 | - | 50 | 80 | 35 | | 0,59 | - | - | - | - |
| 35210 | - | 60 | 90 | 44 | | 1 | - | - | - | - |
| 35212 | - | 60 | 90 | 44 | | 1 | - | - | - | - |
| 35212 | - | 75 | 110 | 49 | | 1,52 | - | - | - | - |
| 35214 | - | 85 | 125 | 60 | | 2,29 | - | - | - | - |
| 35215 | - | 90 | 130 | 67 | | 2,92 | - | - | - | - |
| 35217 | - | 100 | 150 | 70 | | 4,29 | - | - | - | - |
| 35218 | - | 110 | 160 | 70 | | 4,78 | - | - | - | - |
| 35220 | - | 120 | 180 | 82 | | 9,36 | - | - | - | - |
| 35222 | - | 110 | 160 | 70 | | 4,3 | - | - | - | - |
| 35222 | - | 135 | 200 | 89 | | 9,65 | - | - | - | - |
| 35224 | - | 145 | 215 | 98 | | 10,17 | - | - | - | - |
| 35234 K | - | 170 | 250 | 120 | | 19,7 | - | - | - | - |
| | | | | | | | | | | |
| 35914 | - | 68 | 100 | 34 | | 0,8 | - | - | - | - |
| 35922 | - | 107,954 | 160 | 71,5 | | 4 | - | - | - | - |
| | | | | | | | | | | |
| 45213 | - | 65 | 120 | 100 | | 3,37 | - | - | - | - |
| | | | | | | | | | | |
| 45707 | - | 35 | 65 | 50 | | 0,61 | - | - | - | - |
| 45708 | - | 40 | 75 | 50 | | 0,98 | - | - | - | - |
| 45711 | - | 55 | 100 | 100 | | 3,1 | - | - | - | - |
| 45804 | - | 20 | 24 | 25 | | 0,07 | - | - | - | - |
| 45905 | - | 25,4 | 49,21 | 50 | | 0,39 | - | - | - | - |

DESIGN OPTIONS:

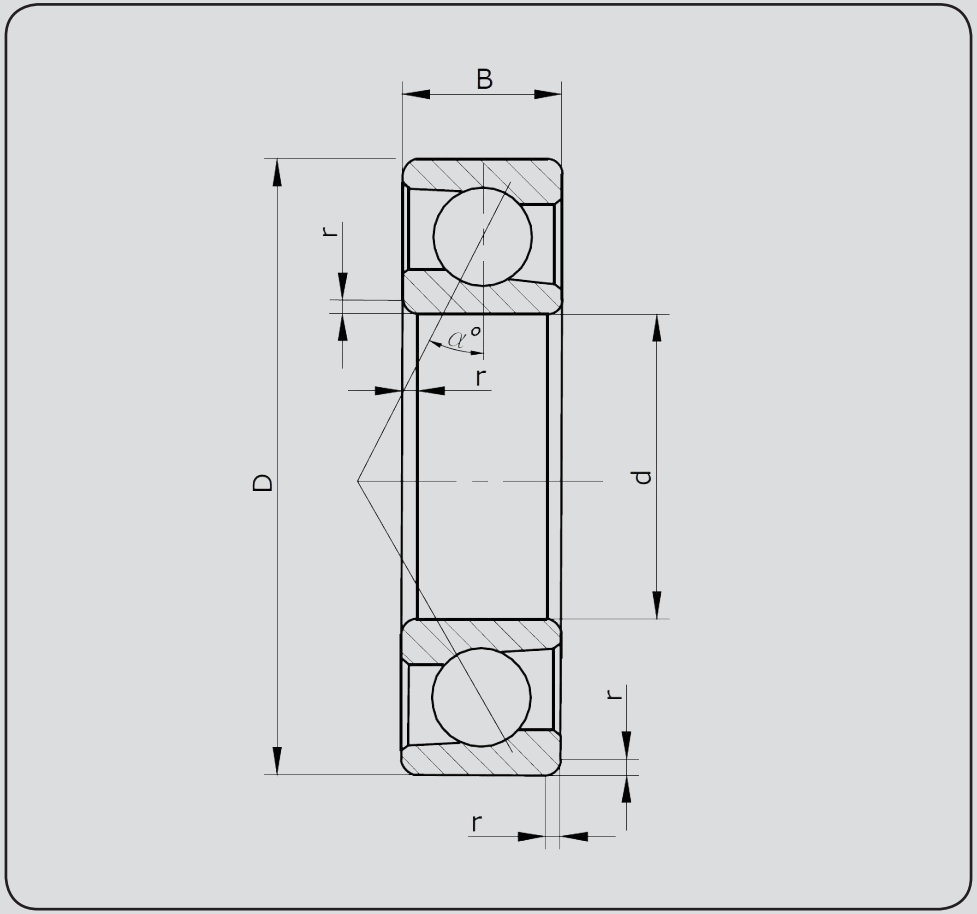
| | |
|---|---|
| 65 000 | - without rings |

OPTIONS OF SEPARATOR DESIGN:
- steel separator combined




**65 000**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 65236 | - | 180 | 240 | 120 | | 11,3 | - | - | - | - |
| | | | | | | | | | | |
| 65317 | - | 110 | 160 | 73 | | 3,98 | - | - | - | - |
| 65322 | - | 140 | 210 | 95 | | 9,21 | - | - | - | - |
| | | | | | | | | | | |
| 65902 | - | 15,863 | 28,565 | 24,3 | | 0,04 | - | - | - | - |
| 65908 K | - | 38,31 | 63,69 | 29,4 | | 0,3 | - | - | - | - |
| 65910 | - | 52,4 | 80,975 | 44 | | 0,67 | - | - | - | - |
| 65911 | - | 53,977 | 92,079 | 70,5 | | 1,43 | - | - | - | - |
| 65915 | - | 73,025 | 101,625 | 89,03 | | 1,78 | - | - | - | - |




# RADIAL-THRUST BALL BEARINGS SINGLE-ROW AND DOUBLE-ROW

**(TYPE BEARING «6»)**

## I. RADIAL-STOP BALL BEARINGS SINGLE-ROW


RELEASABLE ..... 420
UNRELEASABLE ..... 424
WITH THE RELEASABLE INNER RACE ..... 456


## II. RADIAL-THRUST BALL BEARINGS SINGLE-ROW DUAL


..... 468

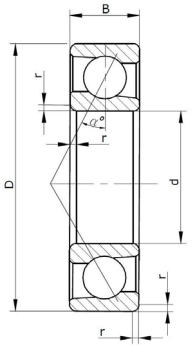

## III. RADIAL-THRUST BALL BEARINGS DOUBLE-ROW


..... 504

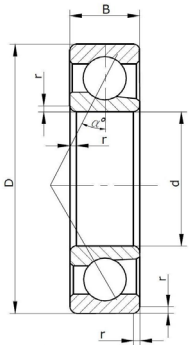
DESIGN OPTIONS:

| | | |
|---|---|---|
| 6000 | (E 00) | - with the releasable outer race with contact angle 12° |
| 76000 | | - with the releasable inner race with contact angle 15° |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**6000 (E 00)**



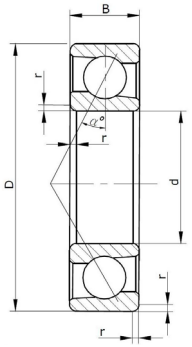

**76000**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 6003 | E 3 | 3 | 16 | 5 | | 0,006 | 1,2 | 0,24 | 28000 | 34000 |
| 6004 | E 4 | 4 | 16 | 5 | | 0,005 | 1,65 | 0,28 | 28000 | 34000 |
| 6005 | E 5 | 5 | 16 | 5 | | 0,005 | 1,56 | 0,4 | 28000 | 34000 |
| 6006 | E 6 | 6 | 21 | 7 | | 0,011 | 2,85 | 0,46 | 28000 | 34000 |
| 6008 | E 8 | 8 | 24 | 7 | | 0,015 | 3,25 | 0,55 | 26000 | 32000 |
| 6010 | E 10 | 10 | 28 | 8 | | 0,023 | 3,3 | 0,75 | 26000 | 32000 |
| 6011 | E 11 | 11 | 32 | 7 | | 0,029 | 2,68 | 0,75 | 22000 | 28000 |
| 6012 | E 12 | 12 | 32 | 7 | | 0,029 | 2,68 | 0,75 | 22000 | 28000 |
| 6013 | E 13 | 13 | 30 | 7 | | 0,022 | 2,68 | 0,75 | 22000 | 28000 |
| 6015 | E 15 | 15 | 35 | 8 | | 0,035 | 3,5 | 1 | 19000 | 24000 |
| 6017 | E 17 | 17 | 44 | 11 | | 0,079 | 5,62 | 1,26 | 16000 | 19000 |
| 6019 | E 19 | 19 | 40 | 12 | | 0,049 | 3,45 | 1 | 17000 | 20000 |
| 6020 | E 20 | 20 | 47 | 12 | | 0,095 | 6,8 | 2,1 | 14000 | 17000 |
| | | | | | | | | | | |
| 6023 | | 3 | 10 | 4 | | 0,002 | 0,59 | 0,216 | 28000 | 34000 |
| 6024 | | 4 | 13 | 5 | | 0,003 | - | - | - | - |
| 6025 | | 5 | 16 | 5 | | 0,005 | 2,2 | 0,97 | 28000 | 34000 |
| 6026 | | 6 | 19 | 6 | | 0,008 | 2,69 | 1,14 | 28000 | 34000 |
| 6027 | | 7 | 22 | 7 | | 0,013 | 3,84 | 1,63 | 28000 | 34000 |
| 6029 | | 9 | 26 | 8 | | 0,02 | - | - | - | - |
| | | | | | | | | | | |
| 1006091 | - | 1 | 4 | 1,6 | | 0,0001 | - | - | - | - |
| 1006092 | - | 2 | 6 | 2,3 | | 0,0004 | - | - | - | - |
| 1006093 | - | 3 | 8 | 3 | | 0,0007 | - | - | - | - |
| 1006094 | - | 4 | 11 | 4 | | 0,002 | 0,79 | 0,285 | 28000 | 34000 |
| 1006095 | - | 5 | 13 | 4 | | 0,0025 | 0,895 | 0,336 | 28000 | 34000 |
| 1006096 | - | 6 | 15 | 5 | | 0,004 | 1,4 | 0,545 | 28000 | 34000 |
| 1006097 | - | 7 | 17 | 5 | | 0,005 | - | - | - | - |
| 1006098 | - | 8 | 19 | 6 | | 0,007 | - | - | - | - |
| 1006099 | - | 9 | 20 | 6 | | 0,008 | - | - | - | - |
| 1006900 | - | 10 | 22 | 6 | | 0,01 | - | - | - | - |
| | | | | | | | | | | |
| 6100 | - | 10 | 26 | 8 | | 0,02 | 4,95 | 2,18 | 28000 | 34000 |
| 6101 | - | 12 | 28 | 8 | | 0,025 | 5,45 | 2,45 | 20000 | 26000 |

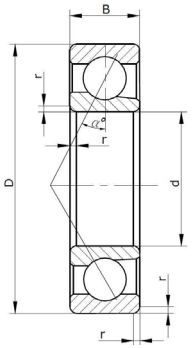
DESIGN OPTIONS:

| | | |
|---|---|---|
| 6000 | (E 00) | - with the releasable outer race with contact angle 12° |
| 76000 | | - with the releasable inner race with contact angle 15° |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**6000 (E 00)**




**76000**

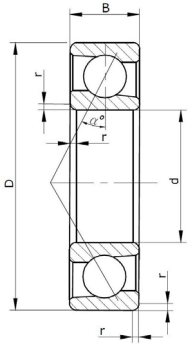
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 6102 | - | 15 | 32 | 9 | | 0,03 | 6,44 | 3 | 18000 | 24000 |
| 6103 | - | 17 | 35 | 10 | | 0,04 | - | - | - | - |
| 6104 | - | 20 | 42 | 12 | | 0,07 | - | - | - | - |
| | | | | | | | | | | |
| 6200 | - | 10 | 30 | 9 | | 0,03 | - | - | - | - |
| 6204 | - | 20 | 47 | 14 | | 0,104 | 12 | 8,31 | 14000 | 18000 |
| | | | | | | | | | | |
| 6301 | - | 12 | 37 | 12 | | 0,054 | 7,44 | 4,53 | 20000 | 26000 |
| | | | | | | | | | | |
| 6703 | - | 17 | 44 | 10 | | 0,075 | - | - | 16000 | 20000 |
| | | | | | | | | | | |
| 6017 К | | 7 | 19 | 6 | | 0,012 | 3,06 | 1,91 | 28000 | 34000 |
| 6028 К | | 8 | 24 | 8 | | 0,018 | 4,39 | 1,9 | 26000 | 32000 |
| | | | | | | | | | | |
| 76017 | | 7 | 19 | 6 | | 0,012 | 1,18 | 0,91 | | |
| 76018 | | 8 | 22 | 7 | | 0,012 | 1,46 | 1,13 | | |
| 76019 | | 9 | 24 | 7 | | 0,016 | 1,48 | 1,14 | | |
| 76100 | | 10 | 26 | 8 | | 0,021 | 2,1 | 1,63 | | |
| 76101 | | 12 | 28 | 8 | | 0,022 | 2,14 | 1,66 | | |
| 76102 | | 15 | 312 | 9 | | 0,031 | 3,01 | 2,33 | | |
| | | | | | | | | | | |
| 1076095 | - | 5 | 13 | 4 | | 0,0025 | - | - | - | - |
| 1076096 | - | 6 | 15 | 5 | | 0,004 | - | - | - | - |
| 1076097 | - | 7 | 17 | 5 | | 0,005 | - | - | - | - |
| | | | | | | | | | | |
| 2076083 | - | 3 | 7 | 2,5 | | 0,0004 | - | - | - | - |
| 2076084 | - | 4 | 9 | 3 | | 0,0008 | - | - | - | - |

# I. RADIAL-THRUST BALL BEARINGS
## SINGLE-ROW

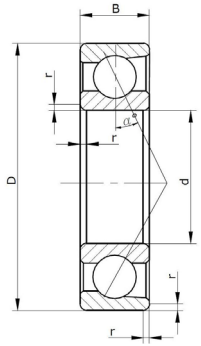
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

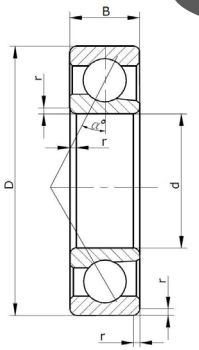
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**



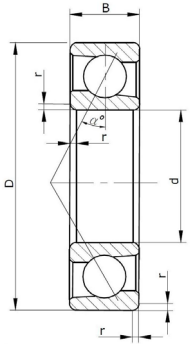

**36000K; 46000K; 66000K**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 36016 | 706C | 6 | 17 | 6 | | 0,01 | 2,15 | 0,845 | 100000 | 153000 |
| 36017 | 707C | 7 | 19 | 6 | | 0,012 | 2,39 | 1 | 89000 | 135000 |
| 36018 | 708C | 8 | 22 | 7 | | 0,015 | 3,55 | 1,54 | 77000 | 117000 |
| 36019 | 709AC | 9 | 24 | 7 | | 0,018 | 3,75 | 2 | 55000 | 90000 |
| | | | | | | | | | | |
| 36027 | - | 7 | 22 | 7 | | 0,013 | - | - | - | - |
| 36028 | - | 8 | 24 | 8 | | 0,018 | - | - | - | - |
| 36029 | - | 9 | 26 | 8 | | 0,02 | - | - | - | - |
| | | | | | | | | | | |
| 36100 | 7000 C | 10 | 26 | 8 | | 0,02 | 3,9 | 2,2 | 45000 | 63000 |
| 36101 | 7001 C | 12 | 28 | 8 | | 0,025 | 4,25 | 2,45 | 40000 | 56000 |
| 36102 | 7002 C | 15 | 32 | 9 | | 0,03 | 4,9 | 3 | 34000 | 48000 |
| 36103 | 7003 C | 17 | 35 | 10 | | 0,04 | 5,7 | 3,6 | 32000 | 43000 |
| 36104 | 7004 C | 20 | 42 | 12 | | 0,07 | 7,8 | 5,2 | 26000 | 36000 |
| 36105 | 7005 C | 25 | 47 | 12 | | 0,08 | 8,65 | 6,1 | 22000 | 30000 |
| 36106 | 7006 C | 30 | 55 | 13 | | 0,12 | 14,5 | 8,3 | 19000 | 26000 |
| 36107 | 7007 C | 35 | 62 | 14 | | 0,16 | 12,9 | 9,8 | 17000 | 22000 |
| 36108 | 7008 C | 40 | 68 | 15 | | 0,195 | 13,7 | 11 | 15000 | 20000 |
| 36109 | 7009 C | 45 | 75 | 16 | | 0,25 | 18,3 | 15 | 14000 | 19000 |
| 36110 | 7010 C | 50 | 80 | 16 | | 0,27 | 19,3 | 16,6 | 12000 | 17000 |
| 36111 | 7011 C | 55 | 90 | 18 | | 0,395 | 27 | 23,2 | 11000 | 15000 |
| 36112 | 7012 C | 60 | 95 | 18 | | 0,42 | 35 | 24,5 | 10000 | 14000 |
| 36113 | 7013 C | 65 | 100 | 18 | | 0,45 | 37 | 27,5 | 10000 | 13000 |
| 36114 | 7014 C | 70 | 110 | 20 | | 0,62 | 46,1 | 33,5 | 9000 | 12000 |
| 36115 | 7015 C | 75 | 115 | 20 | | 0,655 | 48 | 34,5 | 8500 | 12000 |
| 36116 | 7016 C | 80 | 125 | 22 | | 0,875 | 56 | 40,1 | 8000 | 11000 |
| 36117 | 7017 C | 85 | 130 | 22 | | 0,915 | 60 | 46,5 | 7500 | 10000 |
| 36118 | 7018 C | 90 | 140 | 24 | | 1,19 | 63,5 | 55 | 7100 | 9600 |
| 36120 | 7020 C | 100 | 150 | 24 | | 1,29 | 58,5 | 60 | 6300 | 9000 |
| 36122 | 7022 C | 110 | 170 | 28 | | 2,02 | 80 | 81,5 | 5600 | 8000 |
| 36124 | 7024 C | 120 | 180 | 28 | | 2,17 | 81,5 | 86,5 | 5500 | 7300 |
| 36126 | 7026 C | 130 | 200 | 33 | | 3,28 | 85 | 90 | 5400 | 6500 |
| 36128 | 7028 C | 140 | 210 | 33 | | 3,48 | - | - | - | - |
| 36130 | 7030 C | 150 | 225 | 35 | | 4,22 | - | - | - | - |

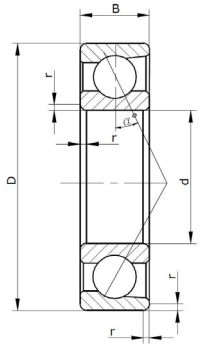
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

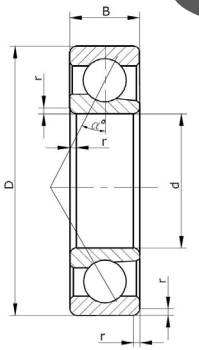
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**




**36000K; 46000K; 66000K**

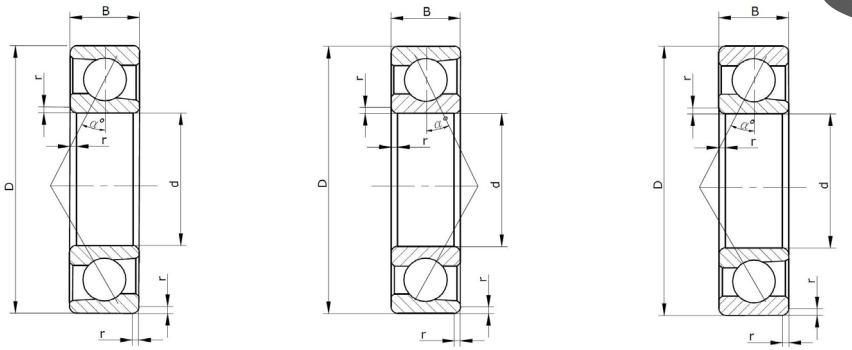
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 36132 | 7032 C | 160 | 240 | 38 | | 5,19 | - | - | - | - |
| 36134 | 7034 C | 170 | 260 | 42 | | 6,96 | - | - | - | - |
| 36136 | 7036 C | 180 | 280 | 46 | | 9,09 | - | - | - | - |
| | | | | | | | | | | |
| 36200 | 7200 C | 10 | 30 | 9 | | 0,03 | 5,4 | 2,61 | 40000 | 56000 |
| 36201 | 7201 C | 12 | 32 | 10 | | 0,04 | 5,5 | 3,35 | 36000 | 50000 |
| 36202 | 7202 C | 15 | 35 | 11 | | 0,05 | 8,65 | 4,55 | 32000 | 45000 |
| 36203 | 7203 C | 17 | 40 | 12 | | 0,07 | 10,9 | 5,75 | 28000 | 38000 |
| 36204 | 7204 C | 20 | 47 | 14 | | 0,11 | 11,9 | 7,45 | 24000 | 34000 |
| 36205 | 7205 C | 25 | 52 | 15 | | 0,135 | 11,4 | 8 | 22000 | 28000 |
| 36206 | 7206 C | 30 | 62 | 16 | | 0,2 | 16,3 | 12 | 18000 | 24000 |
| 36207 | 7207 C | 35 | 72 | 17 | | 0,29 | 20 | 15,3 | 15000 | 20000 |
| 36208 | 7208 C | 40 | 80 | 18 | | 0,37 | 27 | 20,4 | 14000 | 19000 |
| 36209 | 7209 C | 45 | 85 | 19 | | 0,425 | 32 | 25,5 | 12000 | 17000 |
| 36210 | 7210 C | 50 | 90 | 20 | | 0,48 | 35,5 | 28,5 | 12000 | 16000 |
| 36211 | 7211 C | 55 | 100 | 21 | | 0,63 | 41,5 | 34,5 | 10000 | 14000 |
| 36212 | 7212 C | 60 | 110 | 22 | | 0,8 | 50 | 42,5 | 9500 | 13000 |
| 36213 | 7213 C | 65 | 120 | 23 | | 1 | 73 | 58,5 | 9000 | 12000 |
| 36214 | 7214 C | 70 | 125 | 24 | | 1,1 | 79,5 | 64,5 | 8500 | 11000 |
| 36215 | 7215 C | 75 | 130 | 25 | | 2,21 | 83 | 70 | 8000 | 11000 |
| 36216 | 7216 C | 80 | 140 | 26 | | 1,47 | 93 | 77,5 | 7500 | 10000 |
| 36217 | 7217 C | 85 | 150 | 28 | | 1,84 | 107 | 90,5 | 6700 | 9500 |
| 36218 | 7218 C | 90 | 160 | 30 | | 2,26 | 123 | 105 | 6300 | 9000 |
| 36219 | 7219 C | 95 | 170 | 32 | | 2,63 | 133 | 112 | 6000 | 8500 |
| 36220 | 7220 C | 100 | 180 | 34 | | 3,32 | 149 | 127 | 5600 | 8000 |
| 36222 | 7222 C | 110 | 200 | 38 | | 4,62 | 176 | 160 | 5000 | 7100 |
| 36224 | 7224 C | 120 | 215 | 40 | | 5,48 | - | - | - | - |
| 36226 | 7226 C | 130 | 230 | 40 | | 6,2 | - | - | - | - |
| 36228 | 7228 C | 140 | 250 | 42 | | 7,75 | - | - | - | - |
| 36230 | 7230 C | 150 | 270 | 45 | | 9,75 | - | - | - | - |
| 36232 | 7232 C | 160 | 290 | 48 | | 15,4 | - | - | - | - |
| 36234 | 7234 C | 170 | 310 | 52 | | 19,3 | - | - | - | - |
| 36236 | 7236 C | 180 | 320 | 52 | | 20,4 | - | - | - | - |
| | | | | | | | | | | |

# I. RADIAL-THRUST BALL BEARINGS
## SINGLE-ROW

DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K** **36000 (7000C) 46000 (7000AC) 66000 (7000B)** **36000K; 46000K; 66000K**

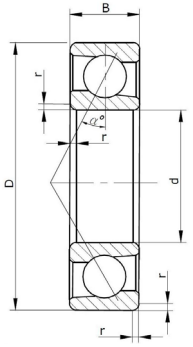
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 36300 | 7300 C | 10 | 35 | 11 | | 0,057 | - | - | - | - |
| 36301 | 7301 C | 12 | 37 | 12 | | 0,067 | - | - | - | - |
| 36302 | 7302 C | 15 | 42 | 13 | | 0,093 | 13,6 | 6,8 | 28000 | 35000 |
| 36303 | 7303 C | 17 | 47 | 14 | | 0,122 | 17,3 | 8,7 | 22000 | 31000 |
| 36304 | 7304 C | 20 | 52 | 15 | | 0,159 | - | - | - | - |
| 36305 | 7305 C | 25 | 62 | 17 | | 0,254 | 28,6 | 16 | 10000 | 15000 |
| 36306 | 7306 C | 30 | 72 | 19 | | 0,383 | 31,8 | 21 | 9000 | 13000 |
| 36307 | 7307 C | 35 | 80 | 21 | | 0,507 | 40,3 | 26 | 8000 | 11000 |
| 36308 | 7308 C | 40 | 90 | 23 | | 0,695 | 53,9 | 32,8 | 7000 | 9500 |
| 36309 | 7309 C | 45 | 100 | 25 | | 0,927 | 63,7 | 42,5 | 7000 | 9500 |
| 36310 | 7310 C | 50 | 110 | 27 | | 1,2 | 75,4 | 57 | 7000 | 8700 |
| 36311 | 7311 C | 55 | 120 | 29 | | 1,55 | 92,3 | 65 | 7000 | 8700 |
| 36312 | 7312 C | 60 | 130 | 31 | | 1,94 | - | - | - | - |
| 36313 | 7313 C | 65 | 140 | 33 | | 2,38 | 120 | 88 | 6300 | 8000 |
| 36314 | 7314 C | 70 | 150 | 35 | | 2,89 | 134 | 100 | 6300 | 8000 |
| 36315 | 7315 C | 75 | 160 | 37 | | 3,47 | 146 | 113 | 4800 | 5600 |
| 36316 | 7316 C | 80 | 170 | 39 | | 4,12 | - | - | - | - |
| 36317 | 7317 C | 85 | 180 | 41 | | 4,84 | - | - | - | - |
| 36318 | 7318 C | 90 | 190 | 43 | | 5,65 | 189 | 145 | 2800 | 3600 |
| | | | | | | | | | | |
| 1036900 | 7900C | 10 | 22 | 6 | | 0,01 | 2,6 | 1,46 | 48000 | 63000 |
| 1036901 | 7901C | 12 | 24 | 6 | | 0,011 | 3,35 | 1,86 | 45000 | 63000 |
| 1036902 | 7902C | 15 | 28 | 7 | | 0,016 | 3,65 | 2,24 | 38000 | 53000 |
| 1036903 | 7903C | 17 | 30 | 7 | | 0,17 | 3,8 | 2,45 | 34000 | 48000 |
| 1036904 | 7904C | 20 | 37 | 9 | | 0,035 | 6,7 | 4,4 | 28000 | 38000 |
| 1036905 | 7905C | 25 | 42 | 9 | | 0,04 | 7,1 | 4,75 | 24000 | 34000 |
| 1036906 | 7906C | 30 | 47 | 9 | | 0,047 | 7,65 | 5,5 | 22000 | 28000 |
| 1036907 | 7907XC | 35 | 55 | 10 | | 0,076 | 8,5 | 6,55 | 18000 | 24000 |
| 1036908 | 7908C | 40 | 62 | 12 | | 0,108 | 12,5 | 9,65 | 16000 | 22000 |
| 1036909 | 7909C | 45 | 68 | 12 | | 0,127 | 13,4 | 10,8 | 14000 | 20000 |
| 1036910 | 7910C | 50 | 72 | 12 | | 0,13 | 14,6 | 12,7 | 13000 | 18000 |
| 1036911 | 7911C | 55 | 80 | 13 | | 0,178 | 17 | 15 | 12000 | 16000 |
| 1036912 | 7912C | 60 | 85 | 13 | | 0,192 | 18 | 16,3 | 11000 | 15000 |
| 1036913 | 7913C | 65 | 90 | 13 | | 0,206 | 18,3 | 17,3 | 10000 | 14000 |

# I. RADIAL-THRUST BALL BEARINGS
## SINGLE-ROW

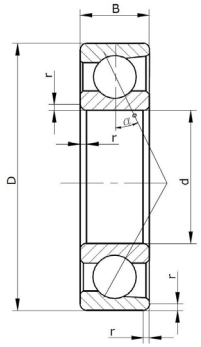
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

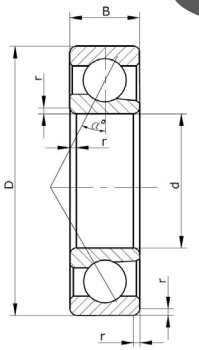
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**



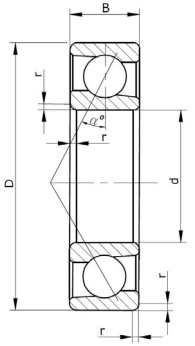

**36000K; 46000K; 66000K**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1036914 | 7914C | 70 | 100 | 16 | | 0,333 | 25 | 23,6 | 9500 | 13000 |
| 1036915 | 7915C | 75 | 105 | 16 | | 0,354 | 25,5 | 24,5 | 9000 | 12000 |
| 1036916 | 7916C | 80 | 110 | 16 | | 0,373 | 26 | 26 | 8500 | 12000 |
| 1036917 | 7917C | 85 | 120 | 18 | | 0,531 | 33,5 | 33,5 | 8000 | 11000 |
| 1036918 | 7918C | 90 | 125 | 18 | | 0,559 | 34,5 | 35,5 | 7500 | 10000 |
| 1036920 | 7920C | 100 | 140 | 20 | | 0,796 | 36,5 | 39 | 6700 | 9000 |
| 1036922 | 7922C | 110 | 150 | 20 | | 0,844 | 46,5 | 50 | 6300 | 8500 |
| 1036924 | 7924C | 120 | 165 | 22 | | 1,16 | 57 | 62 | 5600 | 7500 |
| 1036926 | 7926C | 130 | 180 | 24 | | 1,54 | 67 | 75 | 5000 | 7100 |
| 1036928 | 7928C | 140 | 190 | 24 | | 1,62 | 75 | 85 | 4800 | 6700 |
| 1036930 | 7930C | 150 | 210 | 28 | | 2,54 | 93 | 108 | 4300 | 6000 |
| 1036932 | 7932C | 160 | 220 | 28 | | 2,67 | 95 | 112 | 3800 | 5000 |
| 1036934 | 7934C | 170 | 230 | 28 | | 2,81 | 98 | 120 | 3600 | 4800 |
| 1036936 | 7936C | 180 | 250 | 33 | | 4,23 | 120 | 146 | 3200 | 4500 |
| 1036938 | 7938C | 190 | 260 | 33 | | 4,35 | 129 | 156 | 3000 | 4300 |
| 1036940 | 7940C | 200 | 280 | 38 | | 6,25 | 166 | 204 | 2800 | 4000 |
| 1036944 | 7944C | 220 | 300 | 38 | | 6,58 | 170 | 220 | - | - |
| 1036948 | 7948C | 240 | 320 | 38 | | 7,03 | 173 | 228 | - | - |
| | | | | | | | | | | |
| 46016 | 706AC | 6 | 17 | 6 | | 0,01 | 2,03 | 0,795 | 66000 | 87000 |
| 46017 | 707AC | 7 | 19 | 6 | | 0,012 | 2,24 | 0,94 | 58000 | 77000 |
| 46018 | 708AC | 8 | 22 | 7 | | 0,015 | 3,35 | 1,45 | 50000 | 67000 |
| 46019 | - | 9 | 24 | 7 | | 0,018 | - | - | - | - |
| | | | | | | | | | | |
| 46027 | - | 7 | 22 | 7 | | 0,013 | - | - | - | - |
| 46028 | - | 8 | 24 | 8 | | 0,018 | - | - | - | - |
| 46029 | - | 9 | 26 | 8 | | 0,02 | - | - | - | - |
| | | | | | | | | | | |
| 46100 | 7000 AC | 10 | 26 | 8 | | 0,02 | 4,95 | 2,18 | 40000 | 56000 |
| 46101 | 7001 AC | 12 | 28 | 8 | | 0,025 | 5,8 | 2,98 | 28000 | 38000 |
| 46102 | 7002 AC | 15 | 32 | 9 | | 0,03 | 5,55 | 2,5 | 24000 | 32000 |
| 46103 | 7003 AC | 17 | 35 | 10 | | 0,04 | 5,4 | 3,6 | 22000 | 30000 |
| 46104 | 7004 AC | 20 | 42 | 12 | | 0,07 | 7,6 | 5,2 | 18000 | 24000 |
| 46105 | 7005 AC | 25 | 47 | 12 | | 0,08 | 8,5 | 6,1 | 16000 | 22000 |

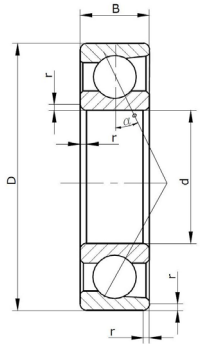
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

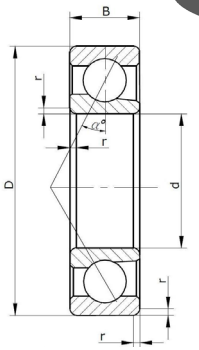
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**



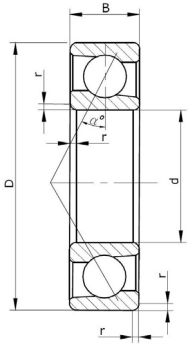

**36000K; 46000K; 66000K**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 46106 | 7006 AC | 30 | 55 | 13 | | 0,12 | 11,2 | 7,88 | 13000 | 18000 |
| 46107 | 7007 AC | 35 | 62 | 14 | | 0,16 | 12,1 | 9,8 | 12000 | 16000 |
| 46108 | 7008 AC | 40 | 68 | 15 | | 0,195 | 18,9 | 11,1 | 10000 | 14000 |
| 46109 | 7009 AC | 45 | 75 | 16 | | 0,25 | 22,5 | 13,4 | 9500 | 13000 |
| 46110 | 7010 AC | 50 | 80 | 16 | | 0,27 | 18,9 | 16,6 | 8500 | 12000 |
| 46111 | 7011 AC | 55 | 90 | 18 | | 0,395 | 32,6 | 21,1 | 7500 | 11000 |
| 46112 | 7012 AC | 60 | 95 | 18 | | 0,42 | 33 | 24,5 | 7100 | 10000 |
| 46113 | 7013 AC | 65 | 100 | 18 | | 0,45 | 35 | 27,5 | 6700 | 9500 |
| 46114 | 7014 AC | 70 | 110 | 20 | | 0,62 | 47 | 31,7 | 6300 | 8500 |
| 46115 | 7015 AC | 75 | 115 | 20 | | 0,655 | 45 | 33,4 | 6000 | 8000 |
| 46116 | 7016 AC | 80 | 125 | 22 | | 0,875 | 55 | 40,1 | 5600 | 7500 |
| 46117 | 7017 AC | 85 | 130 | 22 | | 0,915 | 56,5 | 46,4 | 5300 | 7100 |
| 46118 | 7018 AC | 90 | 140 | 24 | | 1,19 | 56 | 53,6 | 4800 | 6700 |
| 46120 | 7020 AC | 100 | 150 | 24 | | 1,29 | 71,5 | 60,5 | 4500 | 6000 |
| 46122 | 7022 AC | 110 | 170 | 28 | | 2,02 | 96,3 | 73,5 | 4000 | 5300 |
| 46124 | 7024 AC | 120 | 180 | 28 | | 2,17 | 101 | 80,8 | 3600 | 5000 |
| 46126 | 7026 AC | 130 | 200 | 33 | | 3,28 | 127 | 103 | 3400 | 4500 |
| 46128 | 7028 AC | 140 | 210 | 33 | | 3,48 | 134 | 109 | 3200 | 4300 |
| 46130 | 7030 AC | 150 | 225 | 35 | | 4,22 | 144 | 120 | 2400 | 3000 |
| 46132 | 7032 AC | 160 | 240 | 38 | | 5,19 | 162 | 137 | 2200 | 2800 |
| 46134 | 7034 AC | 170 | 260 | 42 | | 6,96 | 195 | 169 | 2000 | 2600 |
| 46136 | 7036 AC | 180 | 280 | 46 | | 9,09 | 207 | 252 | 1900 | 2400 |
| 46138 | 7038 AC | 190 | 290 | 46 | | 9,81 | 224 | 280 | 1800 | 2400 |
| 46140 | 7040 AC | 200 | 310 | 51 | | 12,3 | 240 | 310 | 1700 | 2200 |
| 46144 | 7044 AC | 220 | 340 | 56 | | 16,1 | 306 | 320 | 1600 | 2000 |
| 46148 | 7048 AC | 240 | 360 | 56 | | 22,4 | - | - | - | - |
| | | | | | | | | | | |
| 46200 | 7200 AC | 10 | 30 | 9 | | 0,03 | 5,4 | 2,71 | 28000 | 38000 |
| 46201 | 7201 AC | 12 | 32 | 10 | | 0,04 | 7,9 | 3,8 | 26000 | 34000 |
| 46202 | 7202 AC | 15 | 35 | 11 | | 0,05 | 8,52 | 4,65 | 22000 | 30000 |
| 46203 | 7203 AC | 17 | 40 | 12 | | 0,07 | 10,8 | 6 | 20000 | 28000 |
| 46204 | 7204 AC | 20 | 47 | 14 | | 0,11 | 14,8 | 7,64 | 17000 | 22000 |
| 46205 | 7205 AC | 25 | 52 | 15 | | 0,135 | 15,7 | 8,34 | 15000 | 20000 |
| 46206 | 7206 AC | 30 | 62 | 16 | | 0,2 | 21,9 | 12 | 12000 | 17000 |

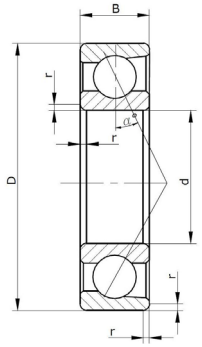
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

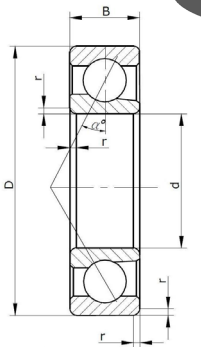
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**



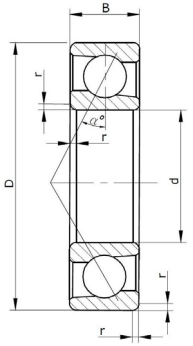

**36000K; 46000K; 66000K**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 46207 | 7207 AC | 35 | 72 | 17 | | 0,29 | 29 | 16,4 | 10000 | 14000 |
| 46208 | 7208 AC | 40 | 80 | 18 | | 0,37 | 36,8 | 21,4 | 9500 | 13000 |
| 46209 | 7209 AC | 45 | 85 | 19 | | 0,425 | 38,7 | 23,1 | 8500 | 12000 |
| 46210 | 7210 AC | 50 | 90 | 20 | | 0,48 | 40,6 | 24,9 | 8000 | 11000 |
| 46211 | 7211 AC | 55 | 100 | 21 | | 0,63 | 50,3 | 31,5 | 7100 | 10000 |
| 46212 | 7212 AC | 60 | 110 | 22 | | 0,8 | 60,8 | 38,8 | 6700 | 9000 |
| 46213 | 7213 AC | 65 | 120 | 23 | | 1 | 69,4 | 58 | 6000 | 8500 |
| 46214 | 7214 AC | 70 | 125 | 24 | | 1,1 | 76,5 | 63,5 | 5600 | 8000 |
| 46215 | 7215 AC | 75 | 130 | 25 | | 2,21 | 76 | 64,5 | 5600 | 7500 |
| 46216 | 7216 AC | 80 | 140 | 26 | | 1,47 | 89 | 76 | 5000 | 7100 |
| 46217 | 7217 AC | 85 | 150 | 28 | | 1,84 | 103 | 89 | 4800 | 6700 |
| 46218 | 7218 AC | 90 | 160 | 30 | | 2,26 | 118 | 103 | 4500 | 6000 |
| 46219 | 7219AC | 95 | 170 | 32 | | 2,68 | 128 | 111 | 4300 | 5600 |
| 46220 | 7220 AC | 100 | 180 | 34 | | 3,32 | 144 | 126 | 4000 | 5300 |
| 46222 | 7222 AC | 110 | 200 | 38 | | 4,62 | 170 | 158 | 3600 | 4800 |
| 46224 | 7224 AC | 120 | 215 | 40 | | 5,48 | 183 | 177 | 3200 | 4500 |
| 46226 | 7226 AC | 130 | 230 | 40 | | 6,2 | 189 | 193 | 2400 | 3200 |
| 46228 | 7228 AC | 140 | 250 | 42 | | 7,75 | 221 | 234 | 2200 | 3000 |
| 46230 | 7230 AC | 150 | 270 | 45 | | 9,75 | 248 | 280 | 2000 | 2800 |
| 46232 | 7232 AC | 160 | 290 | 48 | | 15,4 | 263 | 305 | 1900 | 2600 |
| 46234 | 7234 AC | 170 | 310 | 52 | | 19,3 | 296 | 360 | 1800 | 2400 |
| 46236 | 7236 AC | 180 | 320 | 52 | | 20,4 | 305 | 385 | 1700 | 2200 |
| 46238 | 7238 AC | 190 | 340 | 55 | | 24,4 | 312 | 410 | 1600 | 2200 |
| 46240 | 7240 AC | 200 | 360 | 58 | | 29 | 335 | 450 | 1500 | 2000 |
| 46244 | 7244 AC | 220 | 400 | 65 | | 40 | - | - | - | - |
| | | | | | | | | | | |
| 46300 | 7300 AC | 10 | 35 | 11 | | 0,057 | 9,3 | 4,3 | 20000 | 26000 |
| 46301 | 7301 AC | 12 | 37 | 12 | | 0,067 | 9,45 | 4,5 | 18000 | 24000 |
| 46302 | 7302 AC | 15 | 42 | 13 | | 0,093 | 13,4 | 7,1 | 16000 | 22000 |
| 46303 | 7303 AC | 17 | 47 | 14 | | 0,122 | 15,9 | 8,65 | 14000 | 19000 |
| 46304 | 7304 AC | 20 | 52 | 15 | | 0,159 | 18,7 | 10,4 | 13000 | 17000 |
| 46305 | 7305 AC | 25 | 62 | 17 | | 0,254 | 26,9 | 14,6 | 10000 | 14000 |
| 46306 | 7306 AC | 30 | 72 | 19 | | 0,383 | 33,5 | 20,9 | 9000 | 12000 |
| 46307 | 7307 AC | 35 | 80 | 21 | | 0,507 | 40 | 26,3 | 8000 | 10000 |

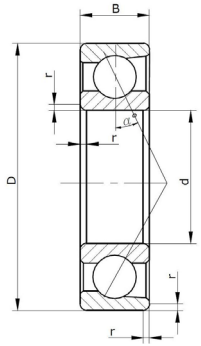
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

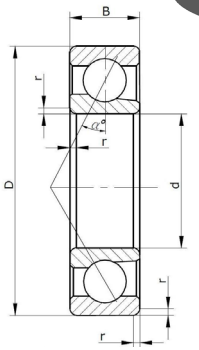
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**




**36000K; 46000K; 66000K**

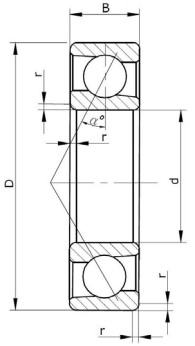
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 46308 | 7308 AC | 40 | 90 | 23 | | 0,695 | 49 | 33 | 7100 | 9000 |
| 46309 | 7309 AC | 45 | 100 | 25 | | 0,927 | 63,5 | 43,5 | 6300 | 8500 |
| 46310 | 7310 AC | 50 | 110 | 27 | | 1,2 | 74 | 52 | 5600 | 7500 |
| 46311 | 7311 AC | 55 | 120 | 29 | | 1,55 | 86 | 61,5 | 5000 | 6700 |
| 46312 | 7312 AC | 60 | 130 | 31 | | 1,94 | 100 | 65,3 | 4800 | 6300 |
| 46313 | 7313 AC | 65 | 140 | 33 | | 2,38 | 113 | 75 | 4300 | 6000 |
| 46314 | 7314 AC | 70 | 150 | 35 | | 2,89 | 127 | 85,3 | 4000 | 5300 |
| 46315 | 7315 AC | 75 | 160 | 37 | | 3,47 | 136 | 106 | 3800 | 5000 |
| 46316 | 7316 AC | 80 | 170 | 39 | | 4,12 | 147 | 119 | 3600 | 4800 |
| 46317 | 7317 AC | 85 | 180 | 41 | | 4,84 | 159 | 133 | 3400 | 4500 |
| 46318 | 7318 AC | 90 | 190 | 43 | | 5,65 | 171 | 147 | 3200 | 4300 |
| 46319 | 7319 AC | 95 | 200 | 45 | | 6,25 | 183 | 162 | 3000 | 4000 |
| 46320 | 7320 AC | 100 | 215 | 47 | | 8,04 | 207 | 193 | 2800 | 3800 |
| 46322 | 7322 AC | 110 | 240 | 50 | | 10,8 | 220 | 215 | 2600 | 3400 |
| 46324 | 7324 AC | 120 | 260 | 55 | | 13,7 | 246 | 252 | 2200 | 3000 |
| 46326 | 7326 AC | 130 | 280 | 58 | | 16,8 | 273 | 293 | 2200 | 2800 |
| 46328 | 7328 AC | 140 | 300 | 62 | | 20,4 | 300 | 332 | 2000 | 2600 |
| 46330 | 7330 AC | 150 | 320 | 65 | | 24,4 | 357 | 370 | 1800 | 2400 |
| 46332 | 7332 AC | 160 | 340 | 68 | | 30,7 | 345 | 420 | 1700 | 2200 |
| | | | | | | | | | | |
| 46416 | 7416 AC | 80 | 200 | 48 | | 7,25 | 196 | 160 | 2600 | 3400 |
| 46418 | 7418 AC | 90 | 225 | 54 | | 12 | 221 | 187 | 2400 | 3200 |
| | | | | | | | | | | |
| 46742 | - | 210 | 300 | 40 | | 9,43 | 222 | 216 | 1540 | 2300 |
| 46792 | - | 460 | 600 | 50 | | 38 | 380 | 520 | 750 | 100 |
| | | | | | | | | | | |
| 1046900 | 7900AC | 10 | 22 | 6 | | 0,01 | 2,45 | 1,37 | 40000 | 56000 |
| 1046901 | 7901AC | 12 | 24 | 6 | | 0,011 | 3,2 | 1,6 | 38000 | 53000 |
| 1046902 | 7902AC | 15 | 28 | 7 | | 0,016 | 3,45 | 2,12 | 32000 | 43000 |
| 1046903 | 7903AC | 17 | 30 | 7 | | 0,17 | 3,65 | 2,28 | 30000 | 40000 |
| 1046904 | 7904AC | 20 | 37 | 9 | | 0,035 | 6,4 | 4,4 | 24000 | 32000 |
| 1046905 | 7905AC | 25 | 42 | 9 | | 0,04 | 6,7 | 4,5 | 20000 | 28000 |
| 1046906 | 7906AC | 30 | 47 | 9 | | 0,047 | 7,2 | 5,1 | 18000 | 24000 |
| 1046907 | 7907AC | 35 | 55 | 10 | | 0,076 | 8 | 6,2 | 15000 | 20000 |

# I. RADIAL-THRUST BALL BEARINGS
## SINGLE-ROW

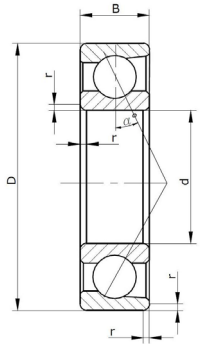
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

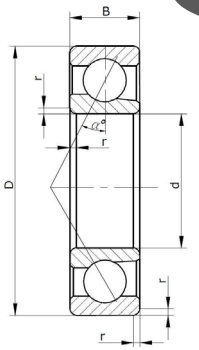
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**



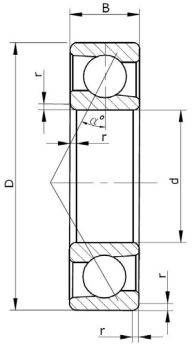

**36000K; 46000K; 66000K**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1046908 | 7908AC | 40 | 62 | 12 | | 0,108 | 11,8 | 9 | 14000 | 18000 |
| 1046909 | 7909AC | 45 | 68 | 12 | | 0,127 | 12,5 | 10,2 | 12000 | 17000 |
| 1046910 | 7910AC | 50 | 72 | 12 | | 0,13 | 13,7 | 12 | 11000 | 15000 |
| 1046911 | 7911AC | 55 | 80 | 13 | | 0,178 | 16 | 14 | 10000 | 14000 |
| 1046912 | 7912AC | 60 | 85 | 13 | | 0,192 | 17 | 15,3 | 9500 | 13000 |
| 1046913 | 7913AC | 65 | 90 | 13 | | 0,206 | 17,3 | 16 | 9000 | 12000 |
| 1046914 | 7914AC | 70 | 100 | 16 | | 0,333 | 23,6 | 22 | 8000 | 11000 |
| 1046915 | 7915AC | 75 | 105 | 16 | | 0,354 | 24 | 23,2 | 7500 | 10000 |
| 1046916 | 7916AC | 80 | 110 | 16 | | 0,373 | 24,5 | 24,5 | 7100 | 10000 |
| 1046917 | 7917AC | 85 | 120 | 18 | | 0,531 | 32 | 31,5 | 6700 | 9000 |
| 1046918 | 7918AC | 90 | 125 | 18 | | 0,559 | 32,5 | 32,5 | 6300 | 8500 |
| 1046920 | 7920AC | 100 | 140 | 20 | | 0,796 | 34 | 37,5 | 5600 | 8000 |
| 1046922 | 7922AC | 110 | 150 | 20 | | 0,844 | 44 | 46,5 | 5300 | 7100 |
| 1046924 | 7924AC | 120 | 165 | 22 | | 1,16 | 54 | 58,5 | 4800 | 6300 |
| 1046926 | 7926AC | 130 | 180 | 24 | | 1,54 | 63 | 69,5 | 4300 | 6000 |
| 1046928 | 7928AC | 140 | 190 | 24 | | 1,62 | 71 | 80 | 4000 | 5600 |
| 1046930 | 7930AC | 150 | 210 | 28 | | 2,54 | 88 | 100 | 3800 | 5000 |
| 1046932 | 7932AC | 160 | 220 | 28 | | 2,67 | 90 | 104 | - | - |
| 1046934 | 7934AC | 170 | 230 | 28 | | 2,81 | 93 | 112 | - | - |
| 1046936 | 7936AC | 180 | 250 | 33 | | 4,23 | 114 | 137 | - | - |
| 1046938 | 7938AC | 190 | 260 | 33 | | 4,35 | 122 | 150 | - | - |
| 1046940 | 7940AC | 200 | 280 | 38 | | 6,25 | 156 | 190 | - | - |
| 1046944 | 7944AC | 220 | 300 | 38 | | 6,58 | 160 | 204 | - | - |
| 1046948 | 7948AC | 240 | 320 | 38 | | 7,03 | 163 | 212 | - | - |
| | | | | | | | | | | |
| 66108 | 7008B | 40 | 68 | 15 | | 0,22 | 16,8 | 13,2 | 8300 | 11000 |
| 66114 | 7014B | 70 | 110 | 20 | | 0,714 | 38,3 | 35,5 | 5000 | 6600 |
| 66116 | 7016B | 80 | 125 | 22 | | 1,01 | 47,8 | 45,7 | 4300 | 5800 |
| 66118 | 7018B | 90 | 140 | 24 | | 1,43 | 58,5 | 57 | 4300 | 6200 |
| 66120 | 7020B | 100 | 150 | 24 | | 1,49 | 61 | 63,5 | 3500 | 4700 |
| 66121 | 7021B | 105 | 160 | 26 | | 1,87 | 71,5 | 73,5 | 3300 | 4400 |
| 66122 | 7022B | 110 | 170 | 28 | | 2,3 | 86,5 | 86 | 3100 | 4200 |
| 66124 | 7024B | 120 | 180 | 28 | | 2,38 | 91,5 | 96 | 2900 | 3900 |
| 66126 | 7026B | 130 | 200 | 33 | | 4 | 105 | 113 | 2600 | 3500 |

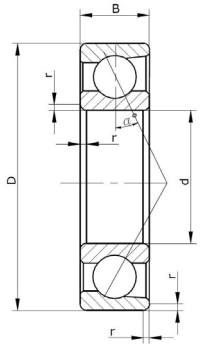
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

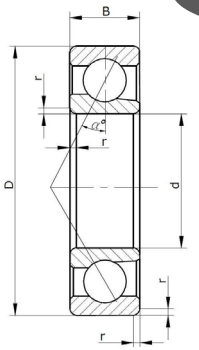
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**



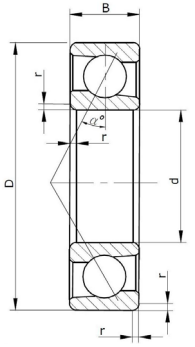

**36000K; 46000K; 66000K**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 66128 | 7028B | 140 | 210 | 33 | | 4,8 | 107 | 119 | 2500 | 3300 |
| 66130 | 7030B | 150 | 225 | 35 | | 4,75 | 122 | 138 | 2300 | 3000 |
| 66132 | 7032B | 160 | 240 | 38 | | 5,93 | 139 | 159 | 2100 | 2800 |
| 66134 | 7034B | 170 | 260 | 42 | | 7,93 | 166 | 193 | 1900 | 2600 |
| 66136 | 7036B | 180 | 280 | 46 | | 10 | 190 | 235 | 1650 | 2200 |
| 66138 | 7038B | 190 | 290 | 46 | | 12,1 | 194 | 241 | 1700 | 2300 |
| 66140 | 7040B | 200 | 310 | 51 | | 15,59 | 218 | 279 | 1600 | 2100 |
| 66144 | 7044B | 220 | 340 | 56 | | 18,5 | 239 | 318 | 1400 | 1900 |
| 66148 | 7048B | 240 | 360 | 56 | | 19,5 | 250 | 380 | 1150 | 1600 |
| 66152 | 7052B | 260 | 400 | 65 | | 28,7 | 291 | 431 | 1100 | 1500 |
| 66156 | 7056B | 280 | 420 | 65 | | 32,9 | 325 | 520 | 900 | 1300 |
| 66160 | 7060B | 300 | 460 | 74 | | 43 | 360 | 620 | 900 | 1200 |
| 66164 | 7064B | 320 | 480 | 74 | | 46 | 391 | 651 | 890 | 1200 |
| 66168 | 7060B | 340 | 520 | 82 | | 61,8 | 450 | 777 | 800 | 1100 |
| 66172 | 7072B | 360 | 540 | 82 | | 64,6 | 461 | 824 | 750 | 1000 |
| 66176 | 7076B | 380 | 560 | 82 | | 67,2 | 472 | 870 | 700 | 940 |
| 66180 | 7080B | 400 | 600 | 90 | | 91,5 | 515 | 1010 | 710 | 960 |
| 66184 | 7084B | 420 | 620 | 90 | | 93 | 525 | 1040 | 680 | 910 |
| 66188 | 7088B | 440 | 650 | 94 | | 100 | 560 | 1170 | 630 | 840 |
| 66192 | 7092B | 460 | 680 | 100 | | 121 | 605 | 1280 | 610 | 800 |
| 66196 | 7096B | 480 | 700 | 100 | | 126 | 610 | 1330 | 550 | 740 |
| 661/500 | 70/500B | 500 | 720 | 100 | | 132 | 620 | 1410 | 550 | 760 |
| 661/530 | 70/530B | 530 | 780 | 112 | | 182 | 725 | 1690 | 510 | 680 |
| | | | | | | | | | | |
| 66200 | 7200B | 10 | 30 | 9 | | 0,037 | 5 | 2,5 | 20000 | 28000 |
| 66201 | 7201B | 12 | 32 | 10 | | 0,041 | 7,45 | 3,75 | 18000 | 26000 |
| 66202 | 7202B | 15 | 35 | 11 | | 0,045 | 7,95 | 4,3 | 16000 | 22000 |
| 66203 | 7203B | 17 | 40 | 12 | | 0,063 | 9,95 | 5,5 | 14000 | 19000 |
| 66204 | 7204B | 20 | 47 | 14 | | 0,107 | 13,3 | 7,65 | 12000 | 16000 |
| 66205 | 7205B | 25 | 52 | 15 | | 0,123 | 14,8 | 9,4 | 10000 | 14000 |
| 66206 | 7206B | 30 | 62 | 16 | | 0,201 | 20,5 | 13,5 | 8500 | 12000 |
| 66207 | 7207B | 35 | 72 | 17 | | 0,29 | 27,1 | 18,4 | 7500 | 10000 |
| 66208 | 7208B | 40 | 80 | 18 | | 0,373 | 32 | 23 | 6700 | 9000 |
| 66209 | 7209B | 45 | 85 | 19 | | 0,414 | 36 | 26,2 | 6300 | 8500 |

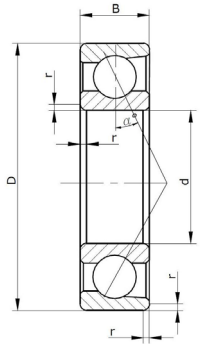
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

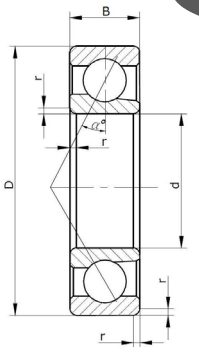
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**




**36000K; 46000K; 66000K**

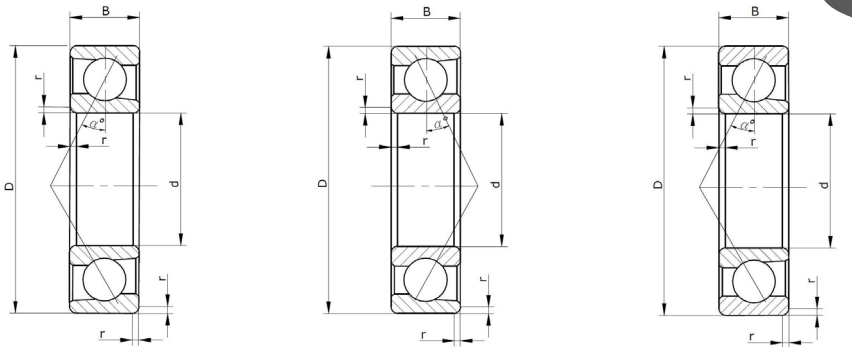
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 66210 | 7210B | 50 | 90 | 20 | | 0,466 | 37,5 | 28,6 | 5600 | 8000 |
| 66211 | 7211B | 55 | 100 | 21 | | 0,63 | 46,3 | 36 | 5300 | 7100 |
| 66212 | 7212B | 60 | 110 | 22 | | 0,798 | 56 | 44,5 | 4800 | 6300 |
| 66213 | 7213B | 65 | 120 | 23 | | 1,03 | 63,5 | 52,5 | 4300 | 6000 |
| 66214 | 7214B | 70 | 125 | 24 | | 1,14 | 69 | 55,1 | 4000 | 5600 |
| 66215 | 7215B | 75 | 130 | 25 | | 1,27 | 71,5 | 58 | 3800 | 5300 |
| 66216 | 7216B | 80 | 140 | 26 | | 1,45 | 87,9 | 58,5 | 3800 | 5000 |
| 66217 | 7117B | 85 | 150 | 28 | | 1,92 | 94,4 | 61,4 | 3600 | 4800 |
| 66218 | 7218B | 90 | 160 | 30 | | 2,35 | 113 | 75 | 3400 | 4300 |
| 66219 | 7219B | 95 | 170 | 32 | | 2,63 | 121 | 85 | 3000 | 4000 |
| 66220 | 7220B | 100 | 180 | 34 | | 3,4 | 130 | 114 | 2800 | 3800 |
| 66221 | 7221B | 105 | 190 | 36 | | 5,16 | 142 | 129 | 2600 | 3600 |
| 66222 | 7222B | 110 | 200 | 38 | | 5,28 | 154 | 144 | 2600 | 3400 |
| 66224 | 7224B | 120 | 215 | 40 | | 6,254 | 165 | 162 | 2400 | 3200 |
| 66226 | 7226B | 130 | 230 | 40 | | 7,1 | 171 | 175 | 2200 | 3000 |
| 66228 | 7228B | 140 | 250 | 42 | | 9,064 | 197 | 213 | 2000 | 2800 |
| 66230 | 7230B | 150 | 270 | 45 | | 11,2 | 225 | 254 | 1800 | 2600 |
| 66232 | 7232B | 160 | 290 | 48 | | 14,2 | 238 | 279 | 1700 | 2400 |
| 66234 | 7234B | 170 | 310 | 52 | | 18,8 | 266 | 325 | 1600 | 2200 |
| 66236 | 7236B | 180 | 320 | 52 | | 18,4 | 276 | 350 | 1500 | 2000 |
| 66238 | 7238B | 190 | 340 | 55 | | 22,5 | 284 | 375 | 1400 | 2000 |
| 66240 | 7240B | 200 | 360 | 58 | | 26,6 | 305 | 410 | 1300 | 1800 |
| | | | | | | | | | | |
| 66300 | 7300B | 10 | 35 | 11 | | 0,054 | 8,75 | 4,05 | 18000 | 24000 |
| 66301 | 7301B | 12 | 37 | 12 | | 0,07 | 8,85 | 4,2 | 16000 | 22000 |
| 66302 | 7302B | 15 | 42 | 13 | | 0,086 | 12,5 | 6,6 | 14000 | 19000 |
| 66303 | 7303B | 17 | 47 | 14 | | 0,13 | 14,8 | 8 | 13000 | 17000 |
| 66304 | 7304B | 20 | 52 | 15 | | 0,14 | 17,3 | 9,65 | 11000 | 15000 |
| 66305 | 7305B | 25 | 62 | 17 | | 0,254 | 24,5 | 13,4 | 8500 | 11000 |
| 66306 | 7306B | 30 | 72 | 19 | | 0,354 | 31 | 19,3 | 8000 | 11000 |
| 66307 | 7307B | 35 | 80 | 21 | | 0,456 | 36,5 | 24,2 | 7100 | 9500 |
| 66308 | 7308B | 40 | 90 | 23 | | 0,626 | 45 | 30,5 | 6300 | 8500 |
| 66309 | 7309B | 45 | 100 | 25 | | 0,927 | 58,5 | 40 | 5600 | 7500 |
| 66310 | 7310B | 50 | 110 | 27 | | 1,08 | 68 | 48 | 5000 | 6700 |

# I. RADIAL-THRUST BALL BEARINGS
## SINGLE-ROW

DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.



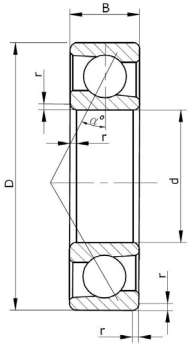

**26000K** **36000 (7000C) 46000 (7000AC) 66000 (7000B)** **36000K; 46000K; 66000K**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 66311 | 7311B | 55 | 120 | 29 | | 1,39 | 79 | 56,5 | 4500 | 6300 |
| 66312 | 7312B | 60 | 130 | 31 | | 1,71 | 90 | 65,5 | 4300 | 5600 |
| 66313 | 7313B | 65 | 140 | 33 | | 2,16 | 102 | 75,5 | 3800 | 5300 |
| 66314 | 7314B | 70 | 150 | 35 | | 2,89 | 119 | 76,8 | 3600 | 4800 |
| 66315 | 7315B | 75 | 160 | 37 | | 3,47 | 125 | 97,5 | 3400 | 4800 |
| 66316 | 7316B | 80 | 170 | 39 | | 4,35 | 135 | 109 | 3200 | 4300 |
| 66317 | 7317B | 85 | 180 | 41 | | 4,58 | 146 | 122 | 3000 | 4000 |
| 66318 | 7318B | 90 | 190 | 43 | | 5,32 | 156 | 135 | 2800 | 3800 |
| 66319 | 7319B | 95 | 200 | 45 | | 5,7 | 167 | 149 | 2600 | 3600 |
| 66320 | 7320B | 100 | 215 | 47 | | 7,65 | 190 | 178 | 2400 | 3400 |
| 66321 | 7321B | 105 | 225 | 49 | | 9,43 | 191 | 177 | 2400 | 3200 |
| 66322 | 7322B | 110 | 240 | 50 | | 10,8 | 201 | 197 | 2200 | 3000 |
| 66324 | 7324B | 120 | 260 | 55 | | 14,4 | 225 | 231 | 2000 | 2800 |
| 66326 | 7326B | 130 | 280 | 58 | | 17,6 | 250 | 268 | 1900 | 2600 |
| 66328 | 7328B | 140 | 300 | 62 | | 21,6 | 275 | 310 | 1700 | 2400 |
| 66330 | 7330B | 150 | 320 | 65 | | 24,4 | 289 | 340 | 1600 | 2200 |
| 66332 | 7332B | 160 | 340 | 68 | | 30,8 | 315 | 385 | 1500 | 2000 |
| 66336 | 7336B | 180 | 380 | 75 | | 44,2 | 375 | 490 | 1300 | 1800 |
| 66340 | 7340B | 200 | 420 | 80 | | 56,65 | 430 | 600 | 1200 | 1600 |
| | | | | | | | | | | |
| 66405 | 7405B | 25 | 80 | 21 | | 0,594 | 36,9 | 21,5 | 7300 | 10000 |
| 66406 | 7406B | 30 | 90 | 23 | | 0,77 | 37,7 | 27,6 | 5000 | 6700 |
| 66407 | 7407B | 35 | 100 | 25 | | 0,95 | 56,2 | 34,3 | 5700 | 7900 |
| 66408 | 7408B | 40 | 110 | 27 | | 1,37 | 55,5 | 42,3 | 5200 | 7200 |
| 66409 | 7409B | 45 | 120 | 29 | | 1,75 | 62,8 | 47,3 | 4800 | 6600 |
| 66410 | 7410B | 50 | 130 | 31 | | 2,17 | 76,1 | 60,1 | 4400 | 6000 |
| 66411 | 7411B | 55 | 140 | 33 | | 2,3 | 110 | 76,5 | 4000 | 5500 |
| 66412 | 7412B | 60 | 150 | 35 | | 3,37 | 96,1 | 79,5 | 3700 | 5100 |
| 66413 | 7413B | 65 | 160 | 37 | | 3,4 | 129 | 96,8 | 3500 | 4800 |
| 66414 | 7414B | 70 | 180 | 42 | | 5,74 | 148 | 119 | 3100 | 4300 |
| 66415 | 7415B | 75 | 190 | 45 | | 5,9 | 158 | 131 | 2900 | 4000 |
| 66416 | 7416B | 80 | 200 | 48 | | 7,25 | 179 | 154 | 2700 | 3800 |
| 66417 | 7417B | 85 | 210 | 52 | | 8,54 | 189 | 167 | 2600 | 3600 |
| 66418 | 7418B | 90 | 225 | 54 | | 12 | 200 | 182 | 2500 | 3400 |

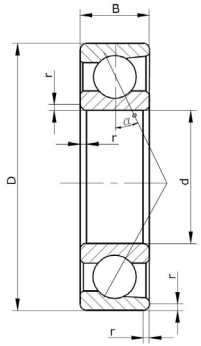
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

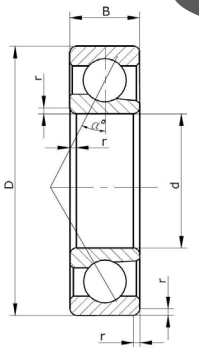
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**



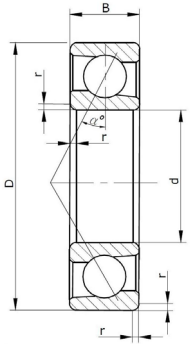

**36000K; 46000K; 66000K**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 66432 | 7432B | 160 | 400 | 88 | | 60,4 | 305 | 429 | 1000 | 1200 |
| | | | | | | | | | | |
| 66719 | - | 95 | 250 | 55 | | 14,8 | 288 | 213 | 2400 | 3400 |
| | | | | | | | | | | |
| 66941 | - | 203,2 | 254 | 25,4 | | 3,14 | - | - | - | - |
| | | | | | | | | | | |
| 36200 K | - | 10 | 30 | 9 | | 0,03 | 5,4 | 2,61 | 40000 | 56000 |
| 36201 K | - | 12 | 32 | 10 | | 0,04 | 5,5 | 3,35 | 36000 | 50000 |
| 36202 K | - | 15 | 35 | 11 | | 0,05 | 8,65 | 4,55 | 32000 | 45000 |
| 36203 K | - | 17 | 40 | 12 | | 0,07 | 10,9 | 5,75 | 28000 | 38000 |
| 36204 K | - | 20 | 47 | 14 | | 0,11 | 11,9 | 7,45 | 24000 | 34000 |
| 36205 K | - | 25 | 52 | 15 | | 0,135 | 11,4 | 8 | 22000 | 28000 |
| 36206 K | - | 30 | 62 | 16 | | 0,2 | 16,3 | 12 | 18000 | 24000 |
| 36207 K | - | 35 | 72 | 17 | | 0,29 | 20 | 15,3 | 15000 | 20000 |
| 36208 K | - | 40 | 80 | 18 | | 0,37 | 27 | 20,4 | 14000 | 19000 |
| 36209 K | - | 45 | 85 | 19 | | 0,425 | 32 | 25,5 | 12000 | 17000 |
| 36210 K | - | 50 | 90 | 20 | | 0,48 | 35,5 | 28,5 | 12000 | 16000 |
| 36211 K | - | 55 | 100 | 21 | | 0,63 | 41,5 | 34,5 | 10000 | 14000 |
| 36212 K | - | 60 | 110 | 22 | | 0,8 | 50 | 42,5 | 9500 | 13000 |
| 36213 K | - | 65 | 120 | 23 | | 1 | 73 | 58,5 | 9000 | 12000 |
| 36214 K | - | 70 | 125 | 24 | | 1,1 | 79,5 | 64,5 | 8500 | 11000 |
| 36215 K | - | 75 | 130 | 25 | | 2,21 | 83 | 70 | 8000 | 11000 |
| 36216 K | - | 80 | 140 | 26 | | 1,47 | 93 | 77,5 | 7500 | 10000 |
| 36217 K | - | 85 | 150 | 28 | | 1,84 | 107 | 90,5 | 6700 | 9500 |
| 36218 K | - | 90 | 160 | 30 | | 2,26 | 123 | 105 | 6300 | 9000 |
| 36219 K | - | 95 | 170 | 32 | | 2,63 | 133 | 112 | 6000 | 8500 |
| 36220 K | - | 100 | 180 | 34 | | 3,32 | 149 | 127 | 5600 | 8000 |
| 36222 K | - | 110 | 200 | 38 | | 4,62 | 176 | 160 | 5000 | 7100 |
| 36224 K | - | 120 | 215 | 40 | | 5,48 | - | - | - | - |
| 36226 K | - | 130 | 230 | 40 | | 6,2 | - | - | - | - |
| 36228 K | - | 140 | 250 | 42 | | 7,75 | - | - | - | - |
| 36230 K | - | 150 | 270 | 45 | | 9,75 | - | - | - | - |
| 36232 K | - | 160 | 290 | 48 | | 15,4 | - | - | - | - |
| 36234 K | - | 170 | 310 | 52 | | 19,3 | - | - | - | - |

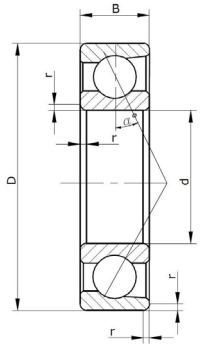
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

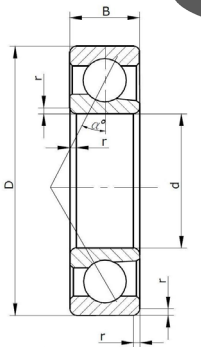
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**




**36000K; 46000K; 66000K**

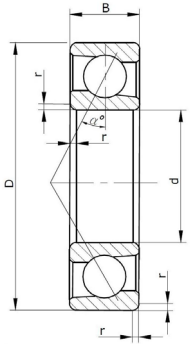
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 36236 K | - | 180 | 320 | 52 | | 20,4 | - | - | - | - |
| | | | | | | | | | | |
| 36300 K | - | 10 | 35 | 11 | | 0,057 | - | - | - | - |
| 36301 K | - | 12 | 37 | 12 | | 0,067 | - | - | - | - |
| 36302 K | - | 15 | 42 | 13 | | 0,093 | 13,6 | 6,8 | 28000 | 35000 |
| 36303 K | - | 17 | 47 | 14 | | 0,122 | 17,3 | 8,7 | 22000 | 31000 |
| 36304 K | - | 20 | 52 | 15 | | 0,159 | - | - | - | - |
| 36305 K | - | 25 | 62 | 17 | | 0,254 | - | - | - | - |
| 36306 K | - | 30 | 72 | 19 | | 0,383 | - | - | - | - |
| 36307 K | - | 35 | 80 | 21 | | 0,507 | - | - | - | - |
| 36308 K | - | 40 | 90 | 23 | | 0,695 | 53,9 | 32,8 | - | - |
| 36309 K | - | 45 | 100 | 25 | | 0,927 | - | - | - | - |
| 36310 K | - | 50 | 110 | 27 | | 1,2 | - | - | - | - |
| 36311 K | - | 55 | 120 | 29 | | 1,55 | - | - | - | - |
| 36312 K | - | 60 | 130 | 31 | | 1,94 | - | - | - | - |
| 36313 K | - | 65 | 140 | 33 | | 2,38 | - | - | - | - |
| 36314 K | - | 70 | 150 | 35 | | 2,89 | - | - | - | - |
| 36315 K | - | 75 | 160 | 37 | | 3,47 | - | - | - | - |
| 36316 K | - | 80 | 170 | 39 | | 4,12 | - | - | - | - |
| 36317 K | - | 85 | 180 | 41 | | 4,84 | - | - | - | - |
| 36318 K | - | 90 | 190 | 43 | | 5,65 | 189 | 145 | 2800 | 3600 |
| | | | | | | | | | | |
| 46200 K | - | 10 | 30 | 9 | | 0,03 | 5,4 | 2,71 | 28000 | 38000 |
| 46201 K | - | 12 | 32 | 10 | | 0,04 | 7,9 | 3,8 | 26000 | 34000 |
| 46202 K | - | 15 | 35 | 11 | | 0,05 | 8,52 | 4,65 | 22000 | 30000 |
| 46203 K | - | 17 | 40 | 12 | | 0,07 | 10,8 | 6 | 20000 | 28000 |
| 46204 K | - | 20 | 47 | 14 | | 0,11 | 14,8 | 7,64 | 17000 | 22000 |
| 46205 K | - | 25 | 52 | 15 | | 0,135 | 15,7 | 8,34 | 15000 | 20000 |
| 46206 K | - | 30 | 62 | 16 | | 0,2 | 21,9 | 12 | 12000 | 17000 |
| 46207 K | - | 35 | 72 | 17 | | 0,29 | 29 | 16,4 | 10000 | 14000 |
| 46208 K | - | 40 | 80 | 18 | | 0,37 | 36,8 | 21,4 | 9500 | 13000 |
| 46209 K | - | 45 | 85 | 19 | | 0,425 | 38,7 | 23,1 | 8500 | 12000 |
| 46210 K | - | 50 | 90 | 20 | | 0,48 | 40,6 | 24,9 | 8000 | 11000 |
| 46211 K | - | 55 | 100 | 21 | | 0,63 | 50,3 | 31,5 | 7100 | 10000 |

# I. RADIAL-THRUST BALL BEARINGS
## SINGLE-ROW

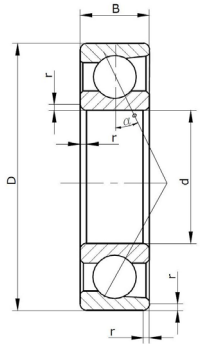
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

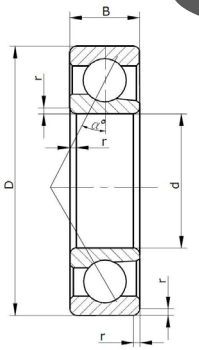
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**



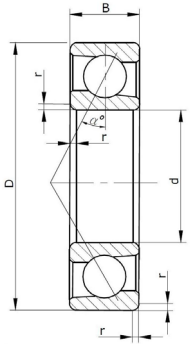

**36000K; 46000K; 66000K**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 46212 K | - | 60 | 110 | 22 | | 0,8 | 60,8 | 38,8 | 6700 | 9000 |
| 46213 K | - | 65 | 120 | 23 | | 1 | 69,4 | 58 | 6000 | 8500 |
| 46214 K | - | 70 | 125 | 24 | | 1,1 | 76,5 | 63,5 | 5600 | 8000 |
| 46215 K | - | 75 | 130 | 25 | | 2,21 | 76 | 64,5 | 5600 | 7500 |
| 46216 K | - | 80 | 140 | 26 | | 1,47 | 89 | 76 | 5000 | 7100 |
| 46217 K | - | 85 | 150 | 28 | | 1,84 | 103 | 89 | 4800 | 6700 |
| 46218 K | - | 90 | 160 | 30 | | 2,26 | 118 | 103 | 4500 | 6000 |
| 46219 K | - | 95 | 170 | 32 | | 2,68 | 128 | 111 | 4300 | 5600 |
| 46220 K | - | 100 | 180 | 34 | | 3,32 | 144 | 126 | 4000 | 5300 |
| 46222 K | - | 110 | 200 | 38 | | 4,62 | 170 | 158 | 3600 | 4800 |
| 46224 K | - | 120 | 215 | 40 | | 5,48 | 183 | 177 | 3200 | 4500 |
| 46226 K | - | 130 | 230 | 40 | | 6,2 | 189 | 193 | 2400 | 3200 |
| 46228 K | - | 140 | 250 | 42 | | 7,75 | 221 | 234 | 2200 | 3000 |
| 46230 K | - | 150 | 270 | 45 | | 9,75 | 248 | 280 | 2000 | 2800 |
| 46232 K | - | 160 | 290 | 48 | | 15,4 | 263 | 305 | 1900 | 2600 |
| 46234 K | - | 170 | 310 | 52 | | 19,3 | 296 | 360 | 1800 | 2400 |
| 46236 K | - | 180 | 320 | 52 | | 20,4 | 305 | 385 | 1700 | 2200 |
| 46238 K | - | 190 | 340 | 55 | | 24,4 | 312 | 410 | 1600 | 2200 |
| 46240 K | - | 200 | 360 | 58 | | 29 | 335 | 450 | 1500 | 2000 |
| 46244 K | - | 220 | 400 | 65 | | 40 | - | - | - | - |
| | | | | | | | | | | |
| 46300 K | - | 10 | 35 | 11 | | 0,057 | 9,3 | 4,3 | 20000 | 26000 |
| 46301 K | - | 12 | 37 | 12 | | 0,067 | 9,45 | 4,5 | 18000 | 24000 |
| 46302 K | - | 15 | 42 | 13 | | 0,093 | 13,4 | 7,1 | 16000 | 22000 |
| 46303 K | - | 17 | 47 | 14 | | 0,122 | 15,9 | 8,65 | 14000 | 19000 |
| 46304 K | - | 20 | 52 | 15 | | 0,159 | 18,7 | 10,4 | 13000 | 17000 |
| 46305 K | - | 25 | 62 | 17 | | 0,254 | 26,9 | 14,6 | 10000 | 14000 |
| 46306 K | - | 30 | 72 | 19 | | 0,383 | 33,5 | 20,9 | 9000 | 12000 |
| 46307 K | - | 35 | 80 | 21 | | 0,507 | 40 | 26,3 | 8000 | 10000 |
| 46308 K | - | 40 | 90 | 23 | | 0,695 | 49 | 33 | 7100 | 9000 |
| 46309 K | - | 45 | 100 | 25 | | 0,927 | 63,5 | 43,5 | 6300 | 8500 |
| 46310 K | - | 50 | 110 | 27 | | 1,2 | 74 | 52 | 5600 | 7500 |
| 46311 K | - | 55 | 120 | 29 | | 1,55 | 86 | 61,5 | 5000 | 6700 |
| 46312 K | - | 60 | 130 | 31 | | 1,94 | 100 | 65,3 | 4800 | 6300 |

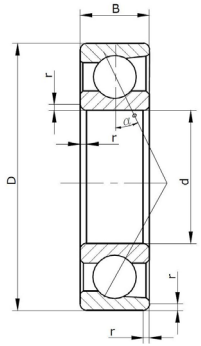
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

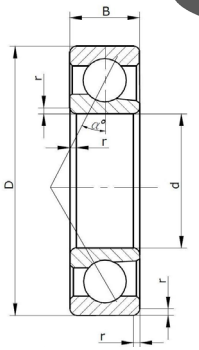
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**



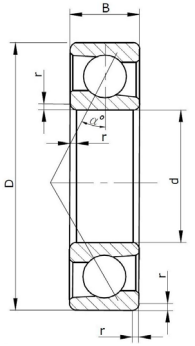

**36000K; 46000K; 66000K**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 46313 K | - | 65 | 140 | 33 | | 2,38 | 113 | 75 | 4300 | 6000 |
| 46314 K | - | 70 | 150 | 35 | | 2,89 | 127 | 85,3 | 4000 | 5300 |
| 46315 K | - | 75 | 160 | 37 | | 3,47 | 136 | 106 | 3800 | 5000 |
| 46316 K | - | 80 | 170 | 39 | | 4,12 | 147 | 119 | 3600 | 4800 |
| 46317 K | - | 85 | 180 | 41 | | 4,84 | 159 | 133 | 3400 | 4500 |
| 46318 K | - | 90 | 190 | 43 | | 5,65 | 171 | 147 | 3200 | 4300 |
| 46319 K | - | 95 | 200 | 45 | | 6,25 | 183 | 162 | 3000 | 4000 |
| 46320 K | - | 100 | 215 | 47 | | 8,04 | 207 | 193 | 2800 | 3800 |
| 46322 K | - | 110 | 240 | 50 | | 10,8 | 220 | 215 | 2600 | 3400 |
| 46324 K | - | 120 | 260 | 55 | | 13,7 | 246 | 252 | 2200 | 3000 |
| 46326 K | - | 130 | 280 | 58 | | 16,8 | 273 | 293 | 2200 | 2800 |
| 46328 K | - | 140 | 300 | 62 | | 20,4 | 300 | 332 | 2000 | 2600 |
| 46330 K | - | 150 | 320 | 65 | | 24,4 | 357 | 370 | 1800 | 2400 |
| | | | | | | | | | | |
| 66303 K | - | 17 | 47 | 14 | | 0,122 | - | - | - | - |
| 66304 K | - | 20 | 52 | 15 | | 0,159 | - | - | - | - |
| 66305 K | - | 25 | 62 | 17 | | 0,254 | - | - | - | - |
| 66306 K | - | 30 | 72 | 19 | | 0,383 | - | - | - | - |
| 66307 K | - | 35 | 80 | 21 | | 0,507 | - | - | - | - |
| 66308 K | - | 40 | 90 | 23 | | 0,695 | - | - | - | - |
| 66309 K | - | 45 | 100 | 25 | | 0,927 | 60,8 | 36,4 | - | - |
| 66310 K | - | 50 | 110 | 27 | | 1,2 | - | - | - | - |
| 66311 K | - | 55 | 120 | 29 | | 1,55 | - | - | - | - |
| 66312 K | - | 60 | 130 | 31 | | 1,94 | 93,7 | 58,8 | - | - |
| 66313 K | - | 65 | 140 | 33 | | 2,38 | - | - | - | - |
| 66314 K | - | 70 | 150 | 35 | | 2,89 | 119 | 76,8 | - | - |
| 66315 K | - | 75 | 160 | 37 | | 3,47 | - | - | - | - |
| 66316 K | - | 80 | 170 | 39 | | 4,12 | - | - | - | - |
| 66317 K | - | 85 | 180 | 41 | | 4,84 | - | - | - | - |
| 66318 K | - | 90 | 190 | 43 | | 5,65 | - | - | - | - |
| 66319 K | - | 95 | 200 | 45 | | 6,25 | - | - | - | - |
| 66320 K | - | 100 | 215 | 47 | | 8,04 | - | - | - | - |
| 66322 K | - | 110 | 240 | 50 | | 10,8 | 225 | 190 | - | - |
| 66324 K | - | 120 | 260 | 55 | | 13,7 | - | - | - | - |

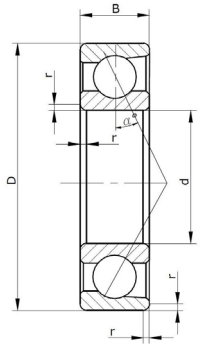
DESIGN OPTIONS:

| | | |
|---|---|---|
| 36000<br>46000<br>66000 | (7000C)<br>(7000AC)<br>(7000B) | - All-in-one with bevel on outer ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 36000K<br>46000K<br>66000K | | - All-in-one with bevel on inner ring: with contact angle 15°<br>with contact angle 26°<br>with contact angle 36° |
| 26000K | | - All-in-one with bevel on outer and inner ring with contact angle 40° |

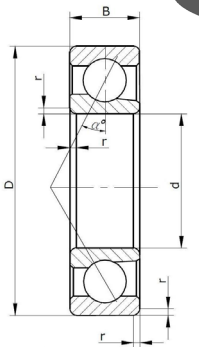
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**26000K**




**36000 (7000C) 46000 (7000AC) 66000 (7000B)**



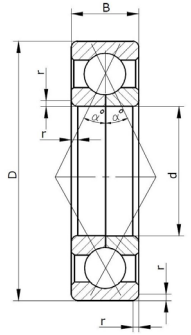

**36000K; 46000K; 66000K**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 66326 K | - | 130 | 280 | 58 | | 16,8 | - | - | - | - |
| 66328 K | - | 140 | 300 | 62 | | 20,4 | - | - | - | - |
| 66330 K | - | 150 | 320 | 65 | | 24,4 | 313 | 307 | - | - |
| 66332 K | - | 160 | 340 | 68 | | 34,3 | - | - | - | - |
| 66334 K | - | 170 | 360 | 72 | | 40,7 | - | - | - | - |
| | | | | | | | | | | |
| 26300 K | - | 10 | 35 | 11 | | 0,057 | - | - | - | - |
| 26301 K | - | 12 | 37 | 12 | | 0,067 | - | - | - | - |
| 26302 K | - | 15 | 42 | 13 | | 0,093 | - | - | - | - |
| 26303 K | - | 17 | 47 | 14 | | 0,122 | - | - | - | - |
| 26304 K | - | 20 | 52 | 15 | | 0,159 | - | - | - | - |
| 26305 K | - | 25 | 62 | 17 | | 0,254 | - | - | - | - |
| 26306 K | - | 30 | 72 | 19 | | 0,383 | - | - | - | - |
| 26307 K | - | 35 | 80 | 21 | | 0,507 | - | - | - | - |
| 26308 K | - | 40 | 90 | 23 | | 0,695 | - | - | - | - |
| 26309 K | - | 45 | 100 | 25 | | 0,927 | - | - | - | - |
| 26310 K | - | 50 | 110 | 27 | | 1,2 | - | - | - | - |
| 26311 K | - | 55 | 120 | 29 | | 1,55 | - | - | - | - |
| 26312 K | - | 60 | 130 | 31 | | 1,94 | - | - | - | - |
| 26313 K | - | 65 | 140 | 33 | | 2,38 | - | - | - | - |
| 26314 K | - | 70 | 150 | 35 | | 2,89 | - | - | - | - |
| 26315 K | - | 75 | 160 | 37 | | 3,47 | - | - | - | - |
| 26316 K | - | 80 | 170 | 39 | | 4,12 | - | - | - | - |
| 26317 K | - | 85 | 180 | 41 | | 4,84 | - | - | - | - |
| 26318 K | - | 90 | 190 | 43 | | 5,65 | - | - | - | - |
| 26320 K | - | 100 | 215 | 47 | | 8,04 | - | - | - | - |
| 26322 K | - | 110 | 240 | 50 | | 10,8 | - | - | - | - |
| 26324 K | - | 120 | 260 | 55 | | 13,7 | - | - | - | - |
| 26326 K | - | 130 | 280 | 58 | | 16,8 | - | - | - | - |
| 26328 K | - | 140 | 300 | 62 | | 20,4 | - | - | - | - |
| 26330 K | - | 150 | 320 | 65 | | 24,4 | - | - | - | - |
| 26332 K | - | 160 | 340 | 68 | | 34,3 | - | - | - | - |
| 26334 K | - | 170 | 360 | 72 | | 40,7 | - | - | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 126000 | (Q ….) | - with the releasable inner race with a three-point contact |
| 176000 | (QJ….) | - with the releasable inner race with a four-point contact |

OPTIONS OF SEPARATOR DESIGN:
- mechanically processed massive made of brass;
- glassnylon composite cast;



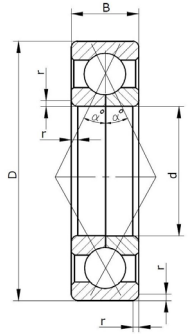

**126000 (Q ….) 176000 (QJ….)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 126100 | - | 10 | 26 | 8 | | 0,025 | 4,95 | 2,18 | 32000 | 40000 |
| 126101 | - | 12 | 28 | 8 | | 0,027 | - | - | - | - |
| 126102 | - | 15 | 32 | 9 | | 0,038 | 5,55 | 2,5 | 30000 | 36000 |
| 126103 | - | 17 | 35 | 10 | | 0,05 | - | - | - | - |
| 126104 | - | 20 | 42 | 12 | | 0,088 | - | - | - | - |
| 126105 | - | 25 | 47 | 12 | | 0,102 | 8,5 | 6,7 | 8400 | 9800 |
| 126106 | - | 30 | 55 | 13 | | 0,148 | 14,5 | 7,88 | 7700 | 9000 |
| 126107 | - | 35 | 62 | 14 | | 0,196 | 16,5 | 9,07 | 7000 | 8300 |
| 126108 | - | 40 | 68 | 15 | | 0,243 | 17 | 9,72 | 10000 | 13000 |
| 126109 | - | 45 | 75 | 16 | | 0,308 | 22,5 | 13,4 | 6000 | 7100 |
| 126110 | - | 50 | 80 | 16 | | 0,334 | 29,8 | 15,41 | 5500 | 6700 |
| 126111 | - | 55 | 90 | 18 | | 0,489 | 32,6 | 17,3 | 5200 | 6200 |
| 126112 | - | 60 | 95 | 18 | | 0,522 | 37,4 | 24,5 | 4800 | 5900 |
| 126113 | - | 65 | 100 | 18 | | 0,566 | 41,9 | 28,7 | 4500 | 5600 |
| 126114 | - | 70 | 110 | 20 | | 0,77 | 46,1 | 31,7 | 4300 | 5400 |
| 126115 | - | 75 | 115 | 20 | | 0,813 | 47,3 | 33,4 | 4100 | 5200 |
| 126116 | - | 80 | 125 | 22 | | 1,08 | 56 | 40,1 | 3800 | 5000 |
| 126117 | - | 85 | 130 | 22 | | 1,14 | 57,4 | 42,1 | 3450 | 4800 |
| 126118 | - | 90 | 140 | 24 | | 1,48 | 63,5 | 47,2 | 3200 | 4500 |
| 126119 | - | 95 | 145 | 24 | | 1,52 | 66,8 | 50,1 | 5000 | 6300 |
| 126120 | - | 100 | 150 | 24 | | 1,6 | 71,5 | 55,1 | 2900 | 4100 |
| 126122 | - | 110 | 170 | 28 | | 2,55 | 96,3 | 73,5 | 3800 | 6000 |
| 126124 | - | 120 | 180 | 28 | | 2,7 | 101 | 80,8 | 4400 | 5400 |
| 126126 | - | 130 | 200 | 33 | | 3,5 | 127 | 103 | 4000 | 5000 |
| 126128 | - | 140 | 210 | 33 | | 4,35 | 134 | 109 | 3200 | 4300 |
| 126130 | - | 150 | 225 | 35 | | 5,3 | 144 | 120 | 3200 | 4300 |
| 126132 | - | 160 | 240 | 38 | | 6,5 | 162 | 137 | 2600 | 3200 |
| 126134 | - | 170 | 260 | 42 | | 8,7 | 195 | 169 | 2600 | 3200 |
| | | | | | | | | | | |
| 126206 | - | 30 | 62 | 16 | | 0,24 | 20,7 | 11 | 8500 | 11000 |
| 126207 | - | 35 | 72 | 17 | | 0,35 | 29 | 16,3 | 7500 | 10000 |
| 126208 | - | 40 | 80 | 18 | | 0,45 | 36,8 | 26,6 | 6700 | 9000 |
| 126209 | - | 45 | 85 | 19 | | 0,52 | 38,7 | 23,1 | 6300 | 8500 |
| 126210 | - | 50 | 90 | 20 | | 0,59 | 40,6 | 24,9 | 5600 | 8000 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 126000 | (Q ….) | - with the releasable inner race with a three-point contact |
| 176000 | (QJ….) | - with the releasable inner race with a four-point contact |

OPTIONS OF SEPARATOR DESIGN:
- mechanically processed massive made of brass;
- glassnylon composite cast;



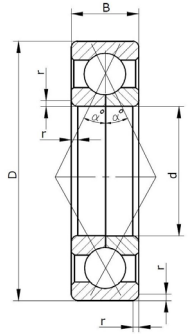

**126000 (Q ….) 176000 (QJ….)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 126211 | - | 55 | 100 | 21 | | 0,77 | 50,3 | 31,5 | 5300 | 7100 |
| 126212 | - | 60 | 110 | 22 | | 0,99 | 58 | 36,1 | 4800 | 6300 |
| 126213 | - | 65 | 120 | 23 | | 1,22 | 60 | 41,3 | 4300 | 6000 |
| 126214 | - | 70 | 125 | 24 | | 1,32 | 69 | 47,5 | 4000 | 5600 |
| 126215 | - | 75 | 130 | 25 | | 1,47 | 78,4 | 53,8 | 3800 | 5300 |
| 126216 | - | 80 | 140 | 26 | | 1,84 | 87,9 | 60 | 3600 | 5000 |
| 126217 | - | 85 | 150 | 28 | | 2,26 | 94,4 | 65,1 | 3400 | 4800 |
| 126218 | - | 90 | 160 | 30 | | 2,75 | 111 | 76,2 | 3200 | 4300 |
| 126219 | - | 95 | 170 | 32 | | 3,22 | 127 | 87,6 | 3000 | 4000 |
| 126220 | - | 100 | 180 | 34 | | 4,03 | 142 | 99,5 | 2800 | 3800 |
| 126222 | - | 110 | 200 | 38 | | 5,6 | 180 | 140 | 2600 | 3400 |
| 126224 | - | 120 | 215 | 40 | | 6,94 | 188 | 150 | 2400 | 3200 |
| 126226 | - | 130 | 230 | 40 | | 7,74 | 192 | 156 | 2200 | 3000 |
| | | | | | | | | | | |
| 1126920 | - | 100 | 140 | 20 | | 1,03 | - | - | - | - |
| 1126922 | - | 110 | 150 | 20 | | 1,22 | - | - | - | - |
| 1126924 | - | 120 | 165 | 22 | | 1,43 | - | - | - | - |
| 1126926 | - | 130 | 180 | 24 | | 2,06 | - | - | - | - |
| 1126928 | - | 140 | 190 | 24 | | 2,34 | 80 | 72 | - | - |
| 1126930 | - | 150 | 210 | 28 | | 3,2 | - | - | - | - |
| 1126932 | - | 160 | 220 | 28 | | 3,54 | - | - | - | - |
| 1126934 | - | 170 | 230 | 28 | | 3,62 | - | - | - | - |
| 1126936 | - | 180 | 250 | 33 | | 5,55 | - | - | - | - |
| 1126938 | - | 190 | 260 | 33 | | 5,56 | 150 | 142 | - | - |
| 1126940 | - | 200 | 280 | 38 | | 6,85 | 172 | 163 | - | - |
| 1126944 | - | 220 | 300 | 38 | | 8,86 | - | - | - | - |
| 1126948 | - | 240 | 320 | 38 | | 9,18 | - | - | - | - |
| 1126952 | - | 260 | 360 | 46 | | 14,47 | - | - | - | - |
| 1126956 | - | 280 | 380 | 46 | | 16,5 | - | - | - | - |
| 1126960 | - | 300 | 420 | 56 | | 22,45 | - | - | - | - |
| 1126964 | - | 320 | 440 | 56 | | 27,4 | 328 | 397 | - | - |
| | | | | | | | | | | |
| 176100 | QJ 1000 | 10 | 26 | 8 | | 0,025 | 4,95 | 2,18 | 32000 | 40000 |
| 176101 | QJ 1001 | 12 | 28 | 8 | | 0,027 | - | - | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 126000 | (Q ….) | - with the releasable inner race with a three-point contact |
| 176000 | (QJ….) | - with the releasable inner race with a four-point contact |

OPTIONS OF SEPARATOR DESIGN:
- mechanically processed massive made of brass;
- glassnylon composite cast;



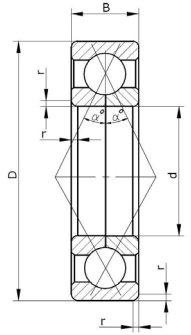

**126000 (Q ….) 176000 (QJ….)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 176102 | QJ 1002 | 15 | 32 | 9 | | 0,038 | 5,55 | 2,5 | 30000 | 36000 |
| 176103 | QJ 1003 | 17 | 35 | 10 | | 0,05 | - | - | - | - |
| 176104 | QJ 1004 | 20 | 42 | 12 | | 0,088 | - | - | - | - |
| 176105 | QJ 1005 | 25 | 47 | 12 | | 0,102 | 8,5 | 6,7 | 8400 | 9800 |
| 176106 | QJ 1006 | 30 | 55 | 13 | | 0,148 | 14,5 | 7,88 | 7700 | 9000 |
| 176107 | QJ 1007 | 35 | 62 | 14 | | 0,196 | 16,5 | 9,07 | 7000 | 8300 |
| 176108 | QJ 1008 | 40 | 68 | 15 | | 0,243 | 17 | 41 | 6300 | 7700 |
| 176109 | QJ 1009 | 45 | 75 | 16 | | 0,308 | 22,5 | 13,4 | 6000 | 7100 |
| 176110 | QJ 1010 | 50 | 80 | 16 | | 0,334 | 29,8 | 15,41 | 5500 | 6700 |
| 176111 | QJ 1011 | 55 | 90 | 18 | | 0,489 | 32,6 | 17,3 | 5200 | 6200 |
| 176112 | QJ 1012 | 60 | 95 | 18 | | 0,522 | 37,4 | 24,5 | 4800 | 5900 |
| 176113 | QJ 1013 | 65 | 100 | 18 | | 0,566 | 41,9 | 28,1 | 4500 | 5600 |
| 176114 | QJ 1014 | 70 | 110 | 20 | | 0,77 | 46,1 | 31,7 | 4300 | 5400 |
| 176115 | QJ 1015 | 75 | 115 | 20 | | 0,813 | 47,3 | 33,4 | 4100 | 5200 |
| 176116 | QJ 1016 | 80 | 125 | 22 | | 1,08 | 56 | 40,1 | 3800 | 5000 |
| 176117 | QJ 1017 | 85 | 130 | 22 | | 1,14 | 57,4 | 42,1 | 3450 | 4800 |
| 176118 | QJ 1018 | 90 | 140 | 24 | | 1,48 | 63,5 | 47,2 | 3200 | 4500 |
| 176119 | QJ 1019 | 95 | 145 | 24 | | 1,52 | 66,8 | 50,1 | 3050 | 4300 |
| 176120 | QJ 1020 | 100 | 150 | 24 | | 1,6 | 71,5 | 55,1 | 2900 | 4100 |
| 176122 | QJ 1022 | 110 | 170 | 28 | | 2,55 | 96,3 | 73,5 | 2600 | 3700 |
| 176124 | QJ 1024 | 120 | 180 | 28 | | 2,7 | 101 | 80,8 | 2450 | 3500 |
| 176126 | QJ 1026 | 130 | 200 | 33 | | 3,5 | 127 | 103 | 2300 | 3300 |
| 176128 | QJ 1028 | 140 | 210 | 33 | | 4,35 | 134 | 109 | 2150 | 3100 |
| 176130 | QJ 1030 | 150 | 225 | 35 | | 5,3 | 144 | 120 | 1900 | 2700 |
| 176132 | QJ 1032 | 160 | 240 | 38 | | 6,5 | 162 | 137 | 1750 | 2500 |
| 176134 | QJ 1034 | 170 | 260 | 42 | | 8,7 | 195 | 169 | 1700 | 2400 |
| 176136 | QJ 1036 | 180 | 280 | 46 | | 11,4 | 218 | 189 | 1650 | 2300 |
| 176138 | QJ 1038 | 190 | 290 | 46 | | 11,9 | 240 | 212 | 1500 | 2100 |
| 176140 | QJ 1040 | 200 | 310 | 51 | | 15,4 | 251 | 245 | 1350 | 1900 |
| 176144 | QJ 1044 | 220 | 340 | 56 | | 20,2 | 280 | 284 | 1200 | 1700 |
| 176148 | QJ 1048 | 240 | 360 | 56 | | 21,6 | 315 | 326 | 1100 | 1500 |
| 176152 | QJ 1052 | 260 | 400 | 65 | | 32,2 | 352 | 359 | 1000 | 1400 |
| 176156 | QJ 1056 | 280 | 420 | 65 | | 34,2 | 388 | 395 | 950 | 1300 |
| 176160 | QJ 1060 | 300 | 460 | 74 | | 48,3 | 419 | 442 | 850 | 1200 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 126000 | (Q ….) | - with the releasable inner race with a three-point contact |
| 176000 | (QJ….) | - with the releasable inner race with a four-point contact |

OPTIONS OF SEPARATOR DESIGN:
- mechanically processed massive made of brass;
- glassnylon composite cast;



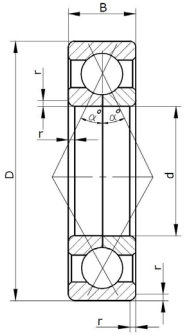

**126000 (Q ….) 176000 (QJ….)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 176164 | QJ 1064 | 320 | 480 | 74 | | 54,7 | 452 | 495 | 800 | 1100 |
| 176168 | QJ 1068 | 340 | 520 | 82 | | 68 | 484 | 530 | 700 | 1000 |
| | | | | | | | | | | |
| 176204 | QJ 204 | 20 | 47 | 14 | | 0,13 | 14,8 | 7,64 | 11150 | 15900 |
| 176205 | QJ 205 | 25 | 52 | 15 | | 0,16 | 14,8 | 7,65 | 9750 | 13900 |
| 176206 | QJ 206 | 30 | 62 | 16 | | 0,24 | 20,7 | 11 | 8500 | 11000 |
| 176207 | QJ 207 | 35 | 72 | 17 | | 0,35 | 29 | 16,3 | 7500 | 10000 |
| 176208 | QJ 208 | 40 | 80 | 18 | | 0,45 | 36,8 | 26,6 | 6700 | 9000 |
| 176209 | QJ 209 | 45 | 85 | 19 | | 0,52 | 38,7 | 23,1 | 6300 | 8500 |
| 176210 | QJ 210 | 50 | 90 | 20 | | 0,59 | 40,6 | 24,9 | 5600 | 8000 |
| 176211 | QJ 211 | 55 | 100 | 21 | | 0,77 | 50,3 | 31,5 | 5300 | 7100 |
| 176212 | QJ 212 | 60 | 110 | 22 | | 0,99 | 58 | 36,1 | 4800 | 6300 |
| 176213 | QJ 213 | 65 | 120 | 23 | | 1,22 | 60 | 41,3 | 4300 | 6000 |
| 176214 | QJ 214 | 70 | 125 | 24 | | 1,32 | 69 | 47,5 | 4000 | 5600 |
| 176215 | QJ 215 | 75 | 130 | 25 | | 1,47 | 78,4 | 53,8 | 3800 | 5300 |
| 176216 | QJ 216 | 80 | 140 | 26 | | 1,84 | 87,9 | 60 | 3600 | 5000 |
| 176217 | QJ 217 | 85 | 150 | 28 | | 2,26 | 94,4 | 65,1 | 3400 | 4800 |
| 176218 | QJ 218 | 90 | 160 | 30 | | 2,75 | 111 | 76,2 | 3200 | 4300 |
| 176219 | QJ 219 | 95 | 170 | 32 | | 3,22 | 127 | 87,6 | 3000 | 4000 |
| 176220 | QJ 220 | 100 | 180 | 34 | | 4,03 | 142 | 99,5 | 2800 | 3800 |
| 176221 | QJ 221 | 105 | 190 | 36 | | 4,7 | 163 | 114 | 2600 | 3600 |
| 176222 | QJ 222 | 110 | 200 | 38 | | 5,6 | 180 | 140 | 2600 | 3400 |
| 176224 | QJ 224 | 120 | 215 | 40 | | 6,94 | 188 | 150 | 2400 | 3200 |
| 176226 | QJ 226 | 130 | 230 | 40 | | 7,74 | 192 | 156 | 2200 | 3000 |
| 176228 | QJ 228 | 140 | 250 | 42 | | 9,84 | 221 | 188 | 2000 | 2800 |
| 176230 | QJ 230 | 150 | 270 | 45 | | 12,4 | 233 | 208 | 1800 | 2600 |
| 176232 | QJ 232 | 160 | 290 | 48 | | 15,4 | 272 | 256 | 1700 | 2400 |
| 176234 | QJ 234 | 170 | 310 | 52 | | 19,3 | 280 | 272 | 1600 | 2200 |
| 176236 | QJ 236 | 180 | 320 | 52 | | 20,4 | 303 | 300 | 1500 | 2000 |
| 176238 | QJ 238 | 190 | 340 | 55 | | 24,4 | 312 | 319 | 1400 | 2000 |
| 176240 | QJ 240 | 200 | 360 | 58 | | 29 | 330 | 378 | 1300 | 1800 |
| 176244 | QJ 244 | 220 | 400 | 65 | | 40 | 310 | 440 | 1200 | 1600 |
| 176248 | QJ 248 | 240 | 440 | 72 | | 54,1 | 356 | 506 | 1000 | 1400 |
| 176252 | QJ 252 | 260 | 480 | 80 | | 71,5 | 490 | 600 | 850 | 1200 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 126000 | (Q ….) | - with the releasable inner race with a three-point contact |
| 176000 | (QJ….) | - with the releasable inner race with a four-point contact |

OPTIONS OF SEPARATOR DESIGN:
- mechanically processed massive made of brass;
- glassnylon composite cast;



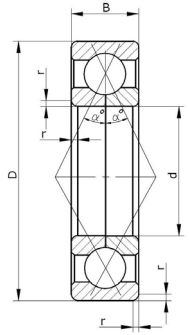

**126000 (Q ….) 176000 (QJ….)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 176256 | QJ 256 | 280 | 500 | 80 | | 75,5 | - | - | - | - |
| 176260 | QJ 260 | 300 | 540 | 85 | | 94 | - | - | - | - |
| 176264 | QJ 264 | 320 | 580 | 92 | | 118 | - | - | - | - |
| | | | | | | | | | | |
| 176303 | QJ 303 | 17 | 47 | 14 | | 0,14 | 16,1 | 8 | 11850 | 16900 |
| 176304 | QJ 304 | 20 | 52 | 15 | | 0,18 | 17,8 | 9 | 10450 | 14900 |
| 176305 | QJ 305 | 25 | 62 | 17 | | 0,29 | 25 | 31,3 | 8500 | 11600 |
| 176306 | QJ 306 | 30 | 72 | 19 | | 0,42 | 32,6 | 18,3 | 8100 | 11000 |
| 176307 | QJ 307 | 35 | 80 | 21 | | 0,57 | 40 | 22,5 | 7100 | 9500 |
| 176308 | QJ 308 | 40 | 90 | 23 | | 0,78 | 47,2 | 27,6 | 6300 | 8500 |
| 176309 | QJ 309 | 45 | 100 | 25 | | 1,04 | 61,4 | 37 | 5600 | 7500 |
| 176310 | QJ 310 | 50 | 110 | 27 | | 1,37 | 71,8 | 44 | 5000 | 6700 |
| 176311 | QJ 311 | 55 | 120 | 29 | | 1,74 | 82,8 | 51,6 | 4500 | 6300 |
| 176312 | QJ 312 | 60 | 130 | 31 | | 2,14 | 100 | 65,3 | 4300 | 5600 |
| 176313 | QJ 313 | 65 | 140 | 33 | | 2,71 | 113 | 75 | 3800 | 5300 |
| 176314 | QJ 314 | 70 | 150 | 35 | | 3,16 | 122 | 80 | 3600 | 5000 |
| 176315 | QJ 315 | 75 | 160 | 37 | | 3,88 | 131 | 86,5 | 3400 | 4800 |
| 176316 | QJ 316 | 80 | 170 | 39 | | 4,59 | 136 | 99 | 3200 | 4300 |
| 176317 | QJ 317 | 85 | 180 | 41 | | 5,47 | 156,4 | 114 | 3000 | 4000 |
| 176318 | QJ 318 | 90 | 190 | 43 | | 6,43 | 165 | 122 | 2800 | 3800 |
| 176319 | QJ 319 | 95 | 200 | 45 | | 7,4 | 187 | 140 | 2600 | 3600 |
| 176320 | QJ 320 | 100 | 215 | 47 | | 9,3 | 215 | 161 | 2400 | 3400 |
| 176322 | QJ 322 | 110 | 240 | 50 | | 12,5 | 247,5 | 185 | 2200 | 3000 |
| 176324 | QJ 324 | 120 | 260 | 55 | | 16 | 284 | 212,5 | 2000 | 2800 |
| 176326 | QJ 326 | 130 | 280 | 58 | | 19,7 | 327 | 249 | 1900 | 2600 |
| 176328 | QJ 328 | 140 | 300 | 62 | | 24 | 357 | 281,7 | 1700 | 2400 |
| 176330 | QJ 330 | 150 | 320 | 65 | | 29,1 | 400 | 370 | 1600 | 2200 |
| 176332 | QJ 332 | 160 | 340 | 68 | | 34,3 | 448 | 422,5 | 1500 | 2000 |
| 176334 | QJ 334 | 170 | 360 | 72 | | 40,7 | 515 | 487 | 1400 | 2000 |
| 176336 | QJ 336 | 180 | 380 | 75 | | 46,8 | 592 | 502 | 1300 | 1800 |
| 176338 | QJ 338 | 190 | 400 | 78 | | 54 | 681 | 577,3 | 1300 | 1700 |
| 176340 | QJ 340 | 200 | 420 | 80 | | 61 | 744 | 664 | 1200 | 1600 |
| 176344 | QJ 344 | 220 | 460 | 88 | | 81 | 780 | 1400 | 1000 | 1400 |
| 176348 | QJ 348 | 240 | 500 | 95 | | 103 | - | - | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 126000 | (Q ….) | - with the releasable inner race with a three-point contact |
| 176000 | (QJ….) | - with the releasable inner race with a four-point contact |

OPTIONS OF SEPARATOR DESIGN:
- mechanically processed massive made of brass;
- glassnylon composite cast;



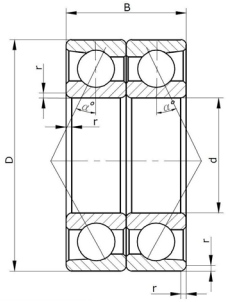

**126000 (Q ….) 176000 (QJ….)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 176352 | QJ 352 | 260 | 540 | 102 | | 132 | - | - | - | - |
| 176356 | QJ 356 | 280 | 580 | 108 | | 157 | - | - | - | - |
| | | | | | | | | | | |
| 1176720 | - | 100 | 165 | 30 | | 2,7 | 105 | 75,1 | 6300 | 6000 |
| 1176722 | - | 110 | 180 | 33 | | - | - | - | - | - |
| 1176724 | - | 120 | 200 | 38 | | 4,75 | 152 | 114 | 5000 | 4000 |
| 1176726 | - | 130 | 210 | - | | - | - | - | - | - |
| 1176728 | - | 140 | 225 | 40 | | - | - | - | - | - |
| 1176730 | - | 150 | 250 | 46 | | - | - | - | - | - |
| 1176732 | - | 160 | 270 | 51 | | - | - | - | - | - |
| 1176734 | - | 170 | 280 | 51 | | 11,6 | 308 | 215 | 3200 | 2600 |
| 1176736 | - | 180 | 300 | 56 | | - | - | - | - | - |
| 1176738 | - | 190 | 320 | 60 | | - | - | - | - | - |
| 1176740 | - | 200 | 340 | 65 | | - | - | - | - | - |
| | | | | | | | | | | |
| 1176920 | - | 100 | 140 | 20 | | 1,03 | - | - | - | - |
| 1176922 | - | 110 | 150 | 20 | | 1,22 | - | - | - | - |
| 1176924 | - | 120 | 165 | 22 | | 1,43 | - | - | - | - |
| 1176926 | - | 130 | 180 | 24 | | 2,06 | - | - | - | - |
| 1176928 | - | 140 | 190 | 24 | | 2,34 | 80 | 72 | - | - |
| 1176930 | - | 150 | 210 | 28 | | 3,2 | - | - | - | - |
| 1176932 | - | 160 | 220 | 28 | | 3,54 | - | - | - | - |
| 1176934 | - | 170 | 230 | 28 | | 3,62 | 117 | 108 | - | - |
| 1176936 | - | 180 | 250 | 33 | | 5,55 | - | - | - | - |
| 1176938 | - | 190 | 260 | 33 | | 5,56 | 150 | 142 | - | - |
| 1176940 | - | 200 | 280 | 38 | | 6,85 | 172 | 163 | - | - |
| 1176944 | - | 220 | 300 | 38 | | 8,86 | - | - | - | - |
| 1176948 | - | 240 | 320 | 38 | | 9,18 | - | - | - | - |
| 1176952 | - | 260 | 360 | 46 | | 14,47 | - | - | - | - |
| 1176956 | - | 280 | 380 | 46 | | 16,5 | - | - | - | - |
| 1176960 | - | 300 | 420 | 56 | | 22,45 | - | - | - | - |
| 1176964 | - | 320 | 440 | 56 | | 27,4 | 328 | 397 | - | - |

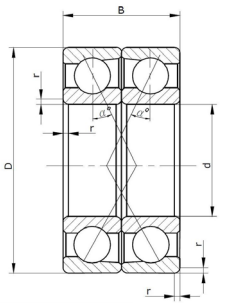
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

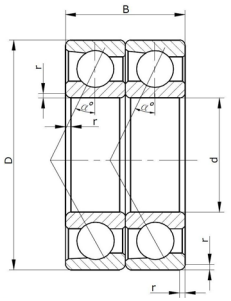
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



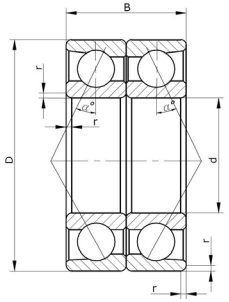

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 236100 | 7000 C/DB | 10 | 26 | 16 | | 0,05 | 8,75 | 5,2 | 24000 | 34000 |
| 236101 | 7001 C/DB | 12 | 28 | 16 | | 0,054 | 9,4 | 5,8 | 32000 | 45000 |
| 236102 | 7002 C/DB | 15 | 32 | 18 | | 0,078 | 10,1 | 6,75 | 28000 | 38000 |
| 236103 | 7003 C/DB | 17 | 35 | 20 | | 0,103 | 10,7 | 7,6 | 26000 | 34000 |
| 236104 | 7004 C/DB | 20 | 42 | 24 | | 0,178 | 18 | 13,1 | 20000 | 30000 |
| 236105 | 7005 C/DB | 25 | 47 | 24 | | 0,206 | 19 | 14,8 | 18000 | 26000 |
| 236106 | 7006 C/DB | 30 | 55 | 26 | | 0,3 | 24,6 | 20,5 | 15000 | 22000 |
| 236107 | 7007 C/DB | 35 | 62 | 28 | | 0,414 | 31 | 27,3 | 13000 | 19000 |
| | | | | | | | | | | |
| 236201 | 7201 C/DB | 12 | 32 | 20 | | 0,078 | 8,8 | 5,2 | 32000 | 45000 |
| 236202 | 7202 C/DB | 15 | 35 | 22 | | 0,096 | 12,8 | 7,7 | 30000 | 40000 |
| 236203 | 7203 C/DB | 17 | 40 | 24 | | 0,138 | 17,6 | 11,7 | 22000 | 32000 |
| 236204 | 7204 C/DB | 20 | 47 | 28 | | 0,226 | 23,6 | 16,1 | 19000 | 26000 |
| 236205 | 7205 C/DB | 25 | 52 | 30 | | 0,278 | 27 | 20,4 | 17000 | 24000 |
| 236206 | 7206 C/DB | 30 | 62 | 32 | | 0,434 | 37,5 | 29,3 | 14000 | 20000 |
| 236207 | 7207 C/DB | 35 | 72 | 34 | | 0,626 | 49,5 | 40 | 12000 | 17000 |
| 236208 | 7208 C/DB | 40 | 80 | 36 | | 0,804 | 59 | 50,5 | 11000 | 15000 |
| 236209 | 7209 C/DB | 45 | 85 | 38 | | 0,92 | 66,5 | 57,5 | 10000 | 14000 |
| 236210 | 7210 C/DB | 50 | 90 | 40 | | 1,02 | 69,5 | 63,5 | 9500 | 13000 |
| 236211 | 7211 C/DB | 55 | 100 | 42 | | 1,36 | 86 | 80 | 8500 | 12000 |
| 236212 | 7212 C/DB | 60 | 110 | 44 | | 1,74 | 104 | 98,5 | 7500 | 11000 |
| 236213 | 7213 C/DB | 65 | 120 | 46 | | 2,18 | 119 | 117 | 7100 | 9500 |
| 236214 | 7214 C/DB | 70 | 125 | 48 | | 2,36 | 129 | 129 | 6700 | 9000 |
| 236215 | 7215 C/DB | 75 | 130 | 50 | | 2,64 | 134 | 140 | 6300 | 9000 |
| 236216 | 7216 C/DB | 80 | 140 | 52 | | 3,14 | 151 | 155 | 6000 | 8000 |
| 236217 | 7217 C/DB | 85 | 150 | 56 | | 4,02 | 174 | 181 | 5600 | 7500 |
| 236218 | 7218 C/DB | 90 | 160 | 60 | | 4,94 | 199 | 209 | 5300 | 7100 |
| 236219 | 7219 C/DB | 95 | 170 | 64 | | 6,04 | 216 | 224 | 4800 | 6700 |
| 236220 | 7220 C/DB | 100 | 180 | 68 | | 7,24 | 242 | 254 | 4500 | 6300 |
| | | | | | | | | | | |
| 236303 | 7303 C/DB | 17 | 47 | 28 | | 0,242 | 25,7 | 16,8 | 20000 | 27000 |
| 236304 | 7304 C/DB | 20 | 52 | 30 | | 0,312 | 30,1 | 19,9 | 18000 | 24000 |
| 236305 | 7305 C/DB | 25 | 62 | 34 | | 0,46 | 42,8 | 30,6 | 15000 | 20000 |
| 236306 | 7306 C/DB | 30 | 72 | 38 | | 0,804 | 52,5 | 40,5 | 13000 | 17000 |

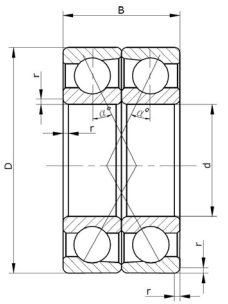
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

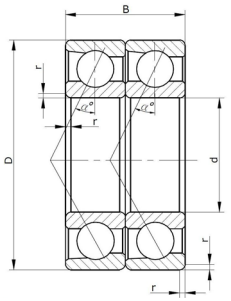
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



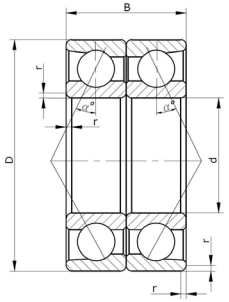

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 236307 | 7307 C/DB | 35 | 80 | 42 | | 1,08 | 61,6 | 47,2 | 11000 | 15000 |
| 236308 | 7308 C/DB | 40 | 90 | 46 | | 1,26 | 75,3 | 58,8 | 10000 | 14000 |
| 236309 | 7309 C/DB | 45 | 100 | 50 | | 1,94 | 96,1 | 79,5 | 9000 | 12000 |
| 236310 | 7310 C/DB | 50 | 110 | 54 | | 2,2 | 122 | 103 | 8000 | 11000 |
| 236311 | 7311 C/DB | 55 | 120 | 58 | | 3,14 | 141 | 121 | 7400 | 9800 |
| 236312 | 7312 C/DB | 60 | 130 | 62 | | 3,94 | 161 | 141 | 7100 | 9400 |
| 236313 | 7313 C/DB | 65 | 140 | 66 | | 4,76 | 182 | 161 | 6800 | 9100 |
| 236314 | 7314 C/DB | 70 | 150 | 70 | | 5,78 | 205 | 184 | 5900 | 7900 |
| 236315 | 7315 C/DB | 75 | 160 | 74 | | 6,94 | 223 | 208 | 5500 | 7400 |
| 236316 | 7316 C/DB | 80 | 170 | 78 | | 8,26 | 242 | 233 | 5200 | 6900 |
| 236317 | 7317 C/DB | 85 | 180 | 82 | | 9,82 | 261 | 261 | 4900 | 6500 |
| 236318 | 7318 C/DB | 90 | 190 | 86 | | 10 | 281 | 289 | 4600 | 6100 |
| | | | | | | | | | | |
| 246100 | 7000 AC/DB | 10 | 26 | 16 | | 0,05 | 8,65 | 5 | 36000 | 50000 |
| 246101 | 7001 AC/DB | 12 | 28 | 16 | | 0,054 | 9,4 | 5,95 | 22000 | 30000 |
| 246102 | 7002 AC/DB | 15 | 32 | 18 | | 0,078 | 9,95 | 6,85 | 19000 | 26000 |
| 246103 | 7003 AC/DB | 17 | 35 | 20 | | 0,103 | 10,4 | 7,65 | 17000 | 24000 |
| 246104 | 7004 AC/DB | 20 | 42 | 24 | | 0,178 | 17,6 | 13,2 | 15000 | 20000 |
| 246105 | 7005 AC/DB | 25 | 47 | 24 | | 0,206 | 18,3 | 14,8 | 13000 | 17000 |
| 246106 | 7006 AC/DB | 30 | 55 | 26 | | 0,3 | 23,6 | 20,2 | 11000 | 15000 |
| 246107 | 7007 AC/DB | 35 | 62 | 28 | | 0,414 | 29,7 | 26,8 | 9500 | 13000 |
| 246108 | 7008 AC/DB | 40 | 68 | 30 | | 0,494 | 31,5 | 31 | 8500 | 11000 |
| 246109 | 7009 AC/DB | 45 | 75 | 32 | | 0,62 | 37,5 | 37,5 | 7500 | 10000 |
| 246110 | 7010 AC/DB | 50 | 80 | 32 | | 0,7 | 40 | 42 | 7100 | 9500 |
| 246111 | 7011 AC/DB | 55 | 90 | 36 | | 0,94 | 52,5 | 55,5 | 6300 | 8500 |
| 246112 | 7012 AC/DB | 60 | 95 | 36 | | 1,02 | 53,5 | 59 | 6000 | 8000 |
| 246113 | 7013 AC/DB | 65 | 100 | 36 | | 1,08 | 56,5 | 65,5 | 5600 | 7500 |
| 246114 | 7014 AC/DB | 70 | 110 | 40 | | 1,62 | 71,5 | 82,5 | 5000 | 6700 |
| 246115 | 7015 AC/DB | 75 | 115 | 40 | | 1,72 | 73 | 87,5 | 4800 | 6700 |
| 246116 | 7016 AC/DB | 80 | 125 | 44 | | 2,22 | 89,5 | 106 | 4300 | 6000 |
| 246117 | 7017 AC/DB | 85 | 130 | 44 | | 2,5 | 91,5 | 112 | 4300 | 5600 |
| 246118 | 7018 AC/DB | 90 | 140 | 48 | | 3,16 | 109 | 133 | 3800 | 5300 |
| 246119 | 7019 AC/DB | 95 | 145 | 48 | | 3,34 | 108 | 134 | 3900 | 4800 |
| 246120 | 7020 AC/DB | 100 | 150 | 48 | | 3,44 | 111 | 141 | 3600 | 5000 |

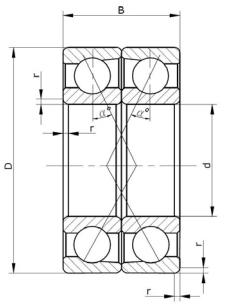
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

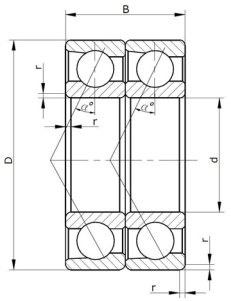
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



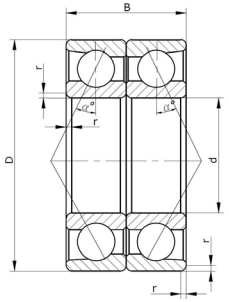

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 246121 | 7021 AC/DB | 105 | 160 | 52 | | 4,32 | 116 | 148 | 3500 | 4400 |
| 246122 | 7022 AC/DB | 110 | 170 | 56 | | 5,42 | 157 | 191 | 3200 | 4300 |
| 246124 | 7024 AC/DB | 120 | 180 | 56 | | 5,88 | 166 | 213 | 3000 | 4000 |
| 246126 | 7026 AC/DB | 130 | 200 | 66 | | 8,86 | 191 | 251 | 2600 | 3600 |
| 246128 | 7028 AC/DB | 140 | 210 | 66 | | 9,4 | 194 | 265 | 2600 | 3400 |
| 246130 | 7030 AC/DB | 150 | 225 | 70 | | 10,98 | 222 | 305 | 1900 | 2400 |
| 246132 | 7032 AC/DB | 160 | 240 | 76 | | 13,34 | 252 | 355 | 1700 | 2400 |
| 246134 | 7034 AC/DB | 170 | 260 | 84 | | 17,84 | 300 | 430 | 1600 | 2200 |
| 246136 | 7036 AC/DB | 180 | 280 | 92 | | 22,56 | 335 | 505 | 1500 | 2000 |
| 246138 | 7038 AC/DB | 190 | 290 | 92 | | 24,2 | 365 | 560 | 1400 | 1900 |
| 246140 | 7040 AC/DB | 200 | 310 | 102 | | 31,18 | 390 | 620 | 1300 | 1800 |
| | | | | | | | | | | |
| 246201 | 7201 AC/DB | 12 | 32 | 20 | | 0,078 | 8,8 | 5,4 | 22000 | 30000 |
| 246202 | 7202 AC/DB | 15 | 35 | 22 | | 0,096 | 13 | 8,05 | 20000 | 28000 |
| 246203 | 7203 AC/DB | 17 | 40 | 24 | | 0,138 | 17,6 | 12 | 16000 | 22000 |
| 246204 | 7204 AC/DB | 20 | 47 | 28 | | 0,226 | 23,5 | 16,6 | 13000 | 19000 |
| 246205 | 7205 AC/DB | 25 | 52 | 30 | | 0,2789 | 26,3 | 20,5 | 12000 | 16000 |
| 246206 | 7206 AC/DB | 30 | 62 | 32 | | 0,434 | 36,5 | 29,5 | 10000 | 13000 |
| 246207 | 7207 AC/DB | 35 | 72 | 34 | | 0,626 | 48,5 | 40 | 8500 | 12000 |
| 246208 | 7208 AC/DB | 40 | 80 | 36 | | 0,804 | 57,5 | 50,5 | 7500 | 10000 |
| 246209 | 7209 AC/DB | 45 | 85 | 38 | | 0,92 | 64,5 | 57,5 | 7100 | 9500 |
| 246210 | 7210 AC/DB | 50 | 90 | 40 | | 1,02 | 67 | 63 | 6300 | 9000 |
| 246211 | 7211 AC/DB | 55 | 100 | 42 | | 1,36 | 83 | 79 | 6000 | 8000 |
| 246212 | 7212 AC/DB | 60 | 110 | 44 | | 1,74 | 100 | 97,5 | 5300 | 7100 |
| 246213 | 7213 AC/DB | 65 | 120 | 46 | | 2,18 | 114 | 116 | 4800 | 6700 |
| 246214 | 7214 AC/DB | 70 | 125 | 48 | | 2,36 | 124 | 127 | 4500 | 6300 |
| 246215 | 7215 AC/DB | 75 | 130 | 50 | | 2,64 | 123 | 129 | 4300 | 6000 |
| 246216 | 7216 AC/DB | 80 | 140 | 52 | | 3,14 | 145 | 152 | 4000 | 5600 |
| 246217 | 7217 AC/DB | 85 | 150 | 56 | | 4,02 | 167 | 178 | 3800 | 5300 |
| 246218 | 7218 AC/DB | 90 | 160 | 60 | | 4,94 | 191 | 206 | 3600 | 5000 |
| 246219 | 7219 AC/DB | 95 | 170 | 64 | | 6,04 | 180 | 188 | 2700 | 3500 |
| 246220 | 7220 AC/DB | 100 | 180 | 68 | | 7,24 | 233 | 251 | 3200 | 4300 |
| 246222 | 7222 AC/DB | 110 | 200 | 76 | | 10,06 | 276 | 315 | 2800 | 4000 |
| 246224 | 7224 AC/DB | 120 | 215 | 80 | | 14,16 | 297 | 355 | 2600 | 3600 |

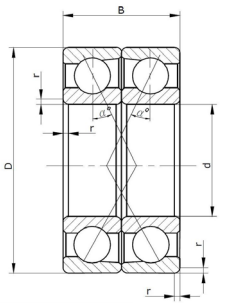
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

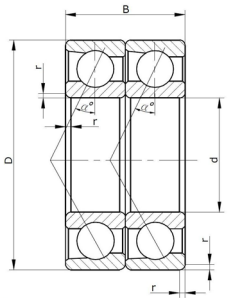
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



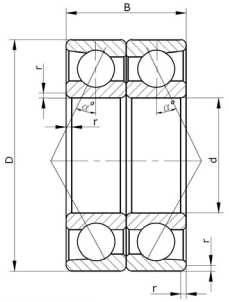

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 246226 | 7226 AC/DB | 130 | 230 | 80 | | 16,2 | 310 | 385 | 1900 | 2600 |
| 246228 | 7228 AC/DB | 140 | 250 | 84 | | 19,9 | 355 | 470 | 1800 | 2400 |
| 246230 | 7230 AC/DB | 150 | 270 | 90 | | 24,92 | 405 | 560 | 1600 | 2200 |
| 246232 | 7232 AC/DB | 160 | 290 | 96 | | 30,98 | 425 | 615 | 1500 | 2000 |
| 246234 | 7234 AC/DB | 170 | 310 | 104 | | 39,38 | 480 | 715 | 1400 | 1900 |
| 246236 | 7236 AC/DB | 180 | 320 | 104 | | 40,52 | 495 | 770 | 1400 | 1800 |
| 246238 | 7238 AC/DB | 190 | 340 | 110 | | 48,62 | 510 | 825 | 1300 | 1700 |
| 246240 | 7240 AC/DB | 200 | 360 | 116 | | 57,64 | 550 | 900 | 1200 | 1600 |
| 246244 | 7244 AC/DB | 220 | 400 | 130 | | - | - | - | - | - |
| | | | | | | | | | | |
| 246303 | 7303 AC/DB | 17 | 47 | 28 | | 0,242 | 25,9 | 17,3 | 11000 | 15000 |
| 246304 | 7304 AC/DB | 20 | 52 | 30 | | 0,312 | 30,5 | 20,8 | 10000 | 13000 |
| 246305 | 7305 AC/DB | 25 | 62 | 34 | | 0,496 | 43 | 31,5 | 8500 | 11000 |
| 246306 | 7306 AC/DB | 30 | 72 | 38 | | 0,762 | 54,5 | 41,5 | 7100 | 9500 |
| 246307 | 7307 AC/DB | 35 | 80 | 42 | | 1,024 | 65 | 52,5 | 6300 | 8500 |
| 246308 | 7308 AC/DB | 40 | 90 | 46 | | 1,466 | 79,5 | 66 | 5600 | 7500 |
| 246309 | 7309 AC/DB | 45 | 100 | 50 | | 1,94 | 103 | 87 | 5000 | 6700 |
| 246310 | 7310 AC/DB | 50 | 110 | 54 | | 2,46 | 121 | 104 | 4500 | 6000 |
| 246311 | 7311 AC/DB | 55 | 120 | 58 | | 3,14 | 139 | 123 | 4000 | 5600 |
| 246312 | 7312 AC/DB | 60 | 130 | 62 | | 3,94 | 159 | 143 | 3800 | 5000 |
| 246313 | 7313 AC/DB | 65 | 140 | 66 | | 4,76 | 180 | 164 | 3600 | 4800 |
| 246314 | 7314 AC/DB | 70 | 150 | 70 | | 5,78 | 203 | 187 | 3200 | 4300 |
| 246315 | 7315 AC/DB | 75 | 160 | 74 | | 6,94 | 221 | 212 | 3000 | 4000 |
| 246316 | 7316 AC/DB | 80 | 170 | 78 | | 8,26 | 239 | 238 | 2800 | 3800 |
| 246317 | 7317 AC/DB | 85 | 180 | 82 | | 9,82 | 258 | 265 | 2600 | 3600 |
| 246318 | 7318 AC/DB | 90 | 190 | 86 | | 11,48 | 277 | 294 | 2600 | 3400 |
| 246319 | 7319 AC/DB | 95 | 200 | 90 | | 13,34 | 297 | 325 | 2400 | 3200 |
| 246320 | 7320 AC/DB | 100 | 215 | 94 | | 16,2 | 335 | 385 | 2200 | 3000 |
| 246321 | 7321 AC/DB | 105 | 225 | 98 | | 18,56 | 337 | 386 | 2800 | 3500 |
| 246322 | 7322 AC/DB | 110 | 240 | 100 | | 21,74 | 360 | 430 | 2000 | 2600 |
| 246324 | 7324 AC/DB | 120 | 260 | 110 | | 33,24 | 400 | 505 | 1800 | 2400 |
| 246326 | 7326 AC/DB | 130 | 280 | 116 | | 39,8 | 445 | 585 | 1700 | 2200 |
| 246328 | 7328 AC/DB | 140 | 300 | 124 | | 48,62 | 490 | 670 | 1600 | 2000 |
| 246330 | 7330 AC/DB | 150 | 320 | 130 | | 56,72 | 515 | 745 | 1500 | 1900 |

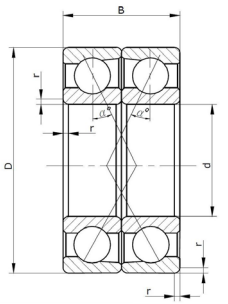
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

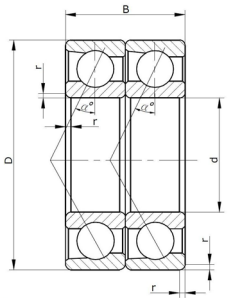
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



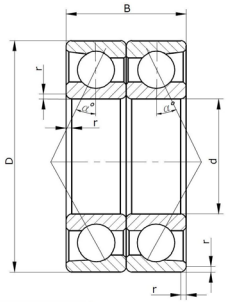

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 246336 | 7336 AC/DB | 180 | 380 | 150 | | 93,44 | 665 | 1070 | 1200 | 1600 |
| 246340 | 7340 AC/DB | 200 | 420 | 160 | | 121,02 | 770 | 1320 | 1100 | 1400 |
| | | | | | | | | | | |
| 266134 | 7034 B/DB | 170 | 260 | 84 | | 17,84 | 270 | 386 | 1600 | 2100 |
| 266136 | 7036 B/DB | 180 | 280 | 92 | | 22,56 | 308 | 457 | 1400 | 1900 |
| 266138 | 7038 B/DB | 190 | 290 | 92 | | 24,2 | 316 | 483 | 1400 | 1800 |
| 266140 | 7040 B/DB | 200 | 310 | 102 | | 31,18 | 355 | 558 | 1300 | 1700 |
| 266144 | 7044 B/DB | 220 | 340 | 112 | | 37 | 389 | 636 | 1100 | 1500 |
| 266148 | 7048 B/DB | 240 | 360 | 112 | | 39,4 | 397 | 677 | 1000 | 1400 |
| 266152 | 7052 B/DB | 260 | 400 | 130 | | 57,4 | 473 | 862 | 910 | 1200 |
| 266156 | 7056 B/DB | 280 | 420 | 130 | | 60,8 | 483 | 906 | 850 | 1100 |
| 266160 | 7060 B/DB | 300 | 460 | 148 | | 87,4 | 621 | 1230 | 770 | 1000 |
| 266164 | 7064 B/DB | 320 | 480 | 148 | | 92 | 636 | 1300 | 710 | 950 |
| 266168 | 7068 B/DB | 340 | 520 | 164 | | 123,6 | 731 | 1550 | 640 | 860 |
| 266172 | 7072 B/DB | 360 | 540 | 164 | | 129,2 | 750 | 1650 | 600 | 800 |
| 266176 | 7076 B/DB | 380 | 560 | 164 | | 134,4 | 767 | 1740 | 560 | 750 |
| | | | | | | | | | | |
| 266200 | 7200 B/DB | 10 | 30 | 18 | | 0,064 | 8,1 | 5 | 16000 | 22000 |
| 266201 | 7201 B/DB | 12 | 32 | 20 | | 0,078 | 12,1 | 7,5 | 15000 | 20000 |
| 266202 | 7202 B/DB | 15 | 35 | 22 | | 0,096 | 12,9 | 8,6 | 13000 | 18000 |
| 266203 | 7203 B/DB | 17 | 40 | 24 | | 0,138 | 16,1 | 11 | 11000 | 15000 |
| 266204 | 7204 B/DB | 20 | 47 | 28 | | 0,226 | 21,6 | 15,3 | 9500 | 13000 |
| 266205 | 7205 B/DB | 25 | 52 | 30 | | 0,278 | 24 | 18,8 | 8500 | 11000 |
| 266206 | 7206 B/DB | 30 | 62 | 32 | | 0,434 | 33,5 | 27 | 7100 | 9500 |
| 266207 | 7207 B/DB | 35 | 72 | 34 | | 0,626 | 44 | 36,5 | 6000 | 8000 |
| 266208 | 7208 B/DB | 40 | 80 | 36 | | 0,804 | 52 | 46 | 5300 | 7500 |
| 266209 | 7209 B/DB | 45 | 85 | 38 | | 0,92 | 58,5 | 52,5 | 5000 | 6700 |
| 266210 | 7210 B/DB | 50 | 90 | 40 | | 1,02 | 60,5 | 57 | 4500 | 6300 |
| 266211 | 7211 B/DB | 55 | 100 | 42 | | 1,36 | 75 | 72 | 4000 | 5600 |
| 266212 | 7212 B/DB | 60 | 110 | 44 | | 1,74 | 91 | 89 | 3800 | 5300 |
| 266213 | 7213 B/DB | 65 | 120 | 46 | | 2,18 | 103 | 105 | 3400 | 4800 |
| 266214 | 7214 B/DB | 70 | 125 | 48 | | 2,36 | 112 | 116 | 3200 | 4500 |
| 266215 | 7215 B/DB | 75 | 130 | 50 | | 2,64 | 112 | 117 | 3200 | 4300 |
| 266216 | 7216 B/DB | 80 | 140 | 52 | | 3,14 | 131 | 139 | 2800 | 4000 |

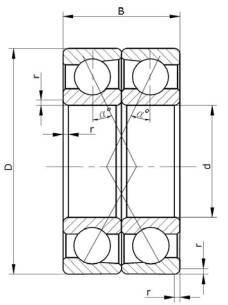
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

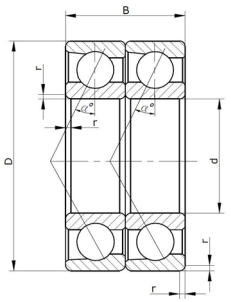
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



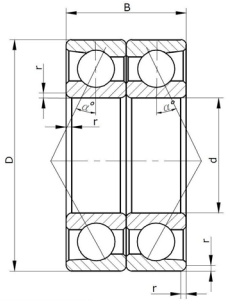

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 266217 | 7217 B/DB | 85 | 150 | 56 | | 4,02 | 151 | 162 | 2800 | 3800 |
| 266218 | 7218 B/DB | 90 | 160 | 60 | | 4,94 | 173 | 188 | 2600 | 3400 |
| 266219 | 7219 B/DB | 95 | 170 | 64 | | 6,04 | 188 | 202 | 2400 | 3200 |
| 266220 | 7220 B/DB | 100 | 180 | 68 | | 7,24 | 212 | 229 | 2200 | 3000 |
| 266222 | 7222 B/DB | 110 | 200 | 76 | | 10,06 | 250 | 289 | 2000 | 2800 |
| 266224 | 7224 B/DB | 120 | 215 | 80 | | 14,16 | 269 | 325 | 1900 | 2600 |
| 266226 | 7226 B/DB | 130 | 230 | 80 | | 16,2 | 278 | 350 | 1700 | 2400 |
| 266256 | 7256 B/DB | 280 | 500 | 160 | | - | - | - | - | - |
| | | | | | | | | | | |
| 266305 | 7305 B/DB | 25 | 62 | 34 | | 0,496 | 39,5 | 29,3 | 7500 | 10000 |
| 266306 | 7306 B/DB | 30 | 72 | 38 | | 0,762 | 50,5 | 38,5 | 6300 | 8500 |
| 266307 | 7307 B/DB | 35 | 80 | 42 | | 1,024 | 59,5 | 48,5 | 5600 | 7500 |
| 266308 | 7308 B/DB | 40 | 90 | 46 | | 1,466 | 73 | 60,5 | 5000 | 6700 |
| 266309 | 7309 B/DB | 45 | 100 | 50 | | 1,94 | 95 | 80,5 | 4500 | 6000 |
| 266310 | 7310 B/DB | 50 | 110 | 54 | | 2,46 | 111 | 96 | 4000 | 5600 |
| 266311 | 7311 B/DB | 55 | 120 | 58 | | 3,14 | 128 | 113 | 3600 | 5000 |
| 266312 | 7312 B/DB | 60 | 130 | 62 | | 3,94 | 146 | 131 | 3400 | 4500 |
| 266313 | 7313 B/DB | 65 | 140 | 66 | | 4,76 | 166 | 151 | 3200 | 4300 |
| 266314 | 7314 B/DB | 70 | 150 | 70 | | 5,78 | 186 | 172 | 2800 | 4000 |
| 266315 | 7315 B/DB | 75 | 160 | 74 | | 6,94 | 202 | 195 | 2800 | 3800 |
| 266316 | 7316 B/DB | 80 | 170 | 78 | | 8,26 | 219 | 218 | 2600 | 3400 |
| 266317 | 7317 B/DB | 85 | 180 | 82 | | 9,82 | 236 | 244 | 2400 | 3200 |
| 266318 | 7318 B/DB | 90 | 190 | 86 | | 11,48 | 254 | 270 | 2200 | 3000 |
| 266319 | 7319 B/DB | 95 | 200 | 90 | | 13,34 | 272 | 298 | 2200 | 3000 |
| 266320 | 7320 B/DB | 100 | 215 | 94 | | 16,2 | 310 | 355 | 2000 | 2800 |
| 266321 | 7321 B/DB | 105 | 225 | 98 | | 18,56 | 310 | 355 | 2100 | 2800 |
| 266322 | 7322 B/DB | 110 | 240 | 100 | | 21,74 | 325 | 395 | 1800 | 2400 |
| 266324 | 7324 B/DB | 120 | 260 | 110 | | 33,24 | 365 | 460 | 1600 | 2200 |
| 266326 | 7326 B/DB | 130 | 280 | 116 | | 39,8 | 405 | 535 | 1500 | 2000 |
| 266328 | 7328 B/DB | 140 | 300 | 124 | | 48,62 | 445 | 615 | 1400 | 1900 |
| 266330 | 7330 B/DB | 150 | 320 | 130 | | 56,72 | 470 | 680 | 1300 | 1800 |
| 266336 | 7336 B/DB | 180 | 380 | 150 | | 93,44 | 605 | 975 | 1100 | 1500 |
| 266340 | 7340 B/DB | 200 | 420 | 160 | | 121,02 | 700 | 1200 | 950 | 1300 |

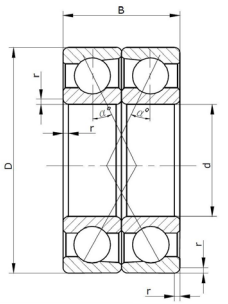
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

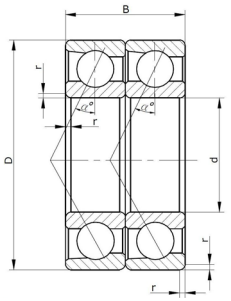
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



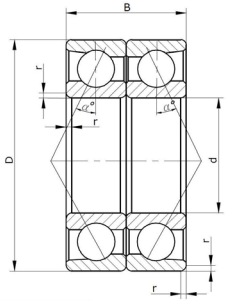

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 266405 | 7405 B/DB | 25 | 80 | 42 | | 1,054 | 60 | 43 | 5500 | 8200 |
| 266406 | 7406 B/DB | 30 | 90 | 46 | | 1,372 | 71,8 | 52,8 | 4900 | 7300 |
| 266407 | 7407 B/DB | 35 | 100 | 50 | | 1,9 | 91,3 | 68,6 | 4300 | 6500 |
| 266408 | 7408 B/DB | 40 | 110 | 54 | | 2,46 | 105 | 80,8 | 3900 | 5900 |
| 266409 | 7409 B/DB | 45 | 120 | 58 | | 3,1 | 128 | 100 | 3600 | 5400 |
| 266410 | 7410 B/DB | 50 | 130 | 62 | | 3,84 | 147 | 121 | 3300 | 4900 |
| 266411 | 7411 B/DB | 55 | 140 | 66 | | 4,72 | 179 | 153 | 3000 | 4500 |
| 266412 | 7412 B/DB | 60 | 150 | 70 | | 5,7 | 198 | 173 | 2800 | 4100 |
| 266413 | 7413 B/DB | 65 | 160 | 74 | | 6,82 | 209 | 194 | 2600 | 3900 |
| 266414 | 7414 B/DB | 70 | 180 | 84 | | 9,98 | 241 | 237 | 2300 | 3500 |
| 266415 | 7415 B/DB | 75 | 190 | 90 | | 11,8 | 257 | 261 | 2200 | 3300 |
| 266416 | 7416 B/DB | 80 | 200 | 96 | | 12 | 290 | 307 | 2100 | 3100 |
| 266417 | 7417 B/DB | 85 | 210 | 104 | | 17,08 | 307 | 334 | 2000 | 3000 |
| 266418 | 7418 B/DB | 90 | 225 | 108 | | 22,8 | 325 | 364 | 1800 | 2800 |
| 266420 | 7420 B/DB | 100 | 250 | 116 | | - | - | - | - | - |
| 266432 | 7432 B/DB | 160 | 400 | 176 | | 121 | 644 | 857 | 1000 | 1300 |
| | | | | | | | | | | |
| 336100 | 7000 C/DF | 10 | 26 | 16 | | 0,05 | 8,75 | 5,2 | 24000 | 34000 |
| 336101 | 7001 C/DF | 12 | 28 | 16 | | 0,054 | 9,4 | 5,8 | 32000 | 45000 |
| 336102 | 7002 C/DF | 15 | 32 | 18 | | 0,078 | 10,1 | 6,75 | 28000 | 38000 |
| 336104 | 7004 C/DF | 20 | 42 | 24 | | 0,178 | 18 | 13,1 | 20000 | 30000 |
| 336105 | 7005 C/DF | 25 | 47 | 24 | | 0,206 | 19 | 14,8 | 18000 | 26000 |
| 336106 | 7006 C/DF | 30 | 55 | 26 | | 0,3 | 24,6 | 20,5 | 15000 | 22000 |
| 336107 | 7007 C/DF | 35 | 62 | 28 | | 0,414 | 31 | 27,3 | 13000 | 19000 |
| | | | | | | | | | | |
| 336201 | 7201 C/DF | 12 | 32 | 20 | | 0,078 | 8,8 | 5,2 | 32000 | 45000 |
| 336202 | 7202 C/DF | 15 | 35 | 22 | | 0,096 | 12,8 | 7,7 | 30000 | 40000 |
| 336203 | 7203 C/DF | 17 | 40 | 24 | | 0,138 | 17,6 | 11,7 | 22000 | 32000 |
| 336204 | 7204 C/DF | 20 | 47 | 28 | | 0,226 | 23,6 | 16,1 | 19000 | 26000 |
| 336205 | 7205 C/DF | 25 | 52 | 30 | | 0,278 | 27 | 20,4 | 17000 | 24000 |
| 336206 | 7206 C/DF | 30 | 62 | 32 | | 0,434 | 37,5 | 29,3 | 14000 | 20000 |
| 336207 | 7207 C/DF | 35 | 72 | 34 | | 0,626 | 49,5 | 40 | 12000 | 17000 |
| 336208 | 7208 C/DF | 40 | 80 | 36 | | 0,804 | 59 | 50,5 | 11000 | 15000 |
| 336209 | 7209 C/DF | 45 | 85 | 38 | | 0,92 | 66,5 | 57,5 | 10000 | 14000 |

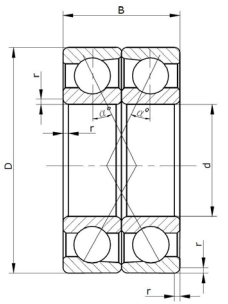
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

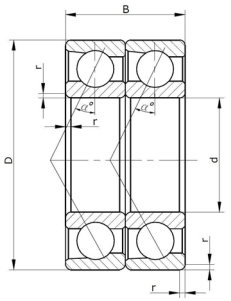
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



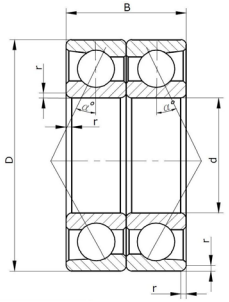

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 336210 | 7210 C/DF | 50 | 90 | 40 | | 1,02 | 69,5 | 63,5 | 9500 | 13000 |
| 336211 | 7211 C/DF | 55 | 100 | 42 | | 1,36 | 86 | 80 | 8500 | 12000 |
| 336212 | 7212 C/DF | 60 | 110 | 44 | | 1,74 | 104 | 98,5 | 7500 | 11000 |
| 336213 | 7213 C/DF | 65 | 120 | 46 | | 2,18 | 119 | 117 | 7100 | 9500 |
| 336214 | 7214 C/DF | 70 | 125 | 48 | | 2,36 | 129 | 129 | 6700 | 9000 |
| 336215 | 7215 C/DF | 75 | 130 | 50 | | 2,64 | 134 | 140 | 6300 | 9000 |
| 336216 | 7216 C/DF | 80 | 140 | 52 | | 3,14 | 151 | 155 | 6000 | 8000 |
| 336217 | 7217 C/DF | 85 | 150 | 56 | | 4,02 | 174 | 181 | 5600 | 7500 |
| 336218 | 7218 C/DF | 90 | 160 | 60 | | 4,94 | 199 | 209 | 5300 | 7100 |
| 336219 | 7219 C/DF | 95 | 170 | 64 | | 6,04 | 216 | 224 | 4800 | 6700 |
| 336220 | 7220 C/DF | 100 | 180 | 68 | | 7,24 | 242 | 254 | 4500 | 6300 |
| 336222 | 7222 C/DF | 110 | 200 | 76 | | 11 | 286 | 321 | 4100 | 5400 |
| | | | | | | | | | | |
| 336305 | 7305 C/DF | 25 | 62 | 34 | | 0,46 | 43 | 30,5 | 15000 | 20000 |
| 336306 | 7306 C/DF | 30 | 72 | 38 | | 0,804 | 52,5 | 40,5 | 13000 | 17000 |
| 336307 | 7307 C/DF | 35 | 80 | 42 | | 1,08 | 61,6 | 47 | 11000 | 15000 |
| 336308 | 7308 C/DF | 40 | 90 | 46 | | 1,26 | 96 | 79 | 9000 | 12000 |
| 336310 | 7310 C/DF | 50 | 110 | 54 | | 2,2 | 122 | 103 | 8000 | 11000 |
| 336312 | 7312 C/DF | 60 | 130 | 62 | | 3,52 | 161 | 140 | 6800 | 9100 |
| 336318 | 7318 C/DF | 90 | 190 | 86 | | 10 | 281 | 289 | 4600 | 6100 |
| 336320 | 7320 C/DF | 100 | 215 | 94 | | 14,1 | 320 | 346 | 4000 | 5300 |
| | | | | | | | | | | |
| 346100 | 7000 AC/DF | 10 | 26 | 16 | | 0,05 | 8,65 | 5 | 36000 | 50000 |
| 346101 | 7001 AC/DF | 12 | 28 | 16 | | 0,054 | 9,4 | 5,95 | 22000 | 30000 |
| 346102 | 7002 AC/DF | 15 | 32 | 18 | | 0,078 | 9,95 | 6,85 | 19000 | 26000 |
| 346103 | 7003 AC/DF | 17 | 35 | 20 | | 0,102 | 10,4 | 7,65 | 17000 | 24000 |
| 346104 | 7004 AC/DF | 20 | 42 | 24 | | 0,178 | 17,6 | 13,2 | 15000 | 20000 |
| 346105 | 7005 AC/DF | 25 | 47 | 24 | | 0,206 | 18,3 | 14,8 | 13000 | 17000 |
| 346106 | 7006 AC/DF | 30 | 55 | 26 | | 0,3 | 23,6 | 20,2 | 11000 | 15000 |
| 346107 | 7007 AC/DF | 35 | 62 | 28 | | 0,414 | 29,7 | 26,8 | 9500 | 13000 |
| 346108 | 7008 AC/DF | 40 | 68 | 30 | | 0,494 | 31,5 | 31 | 8500 | 11000 |
| 346109 | 7009 AC/DF | 45 | 75 | 32 | | 0,62 | 37,5 | 37,5 | 7500 | 10000 |
| 346110 | 7010 AC/DF | 50 | 80 | 32 | | 0,7 | 40 | 42 | 7100 | 9500 |
| 346111 | 7011 AC/DF | 55 | 90 | 36 | | 0,94 | 52,5 | 55,5 | 6300 | 8500 |

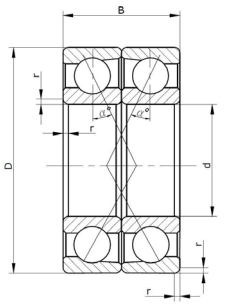
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

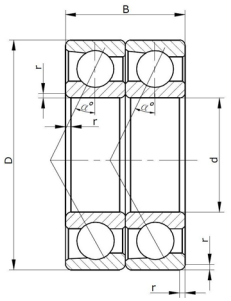
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



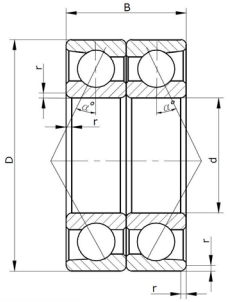

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 346112 | 7012 AC/DF | 60 | 95 | 36 | | 1,02 | 53,5 | 59 | 6000 | 8000 |
| 346113 | 7013 AC/DF | 65 | 100 | 36 | | 1,08 | 56,5 | 65,5 | 5600 | 7500 |
| 346114 | 7014 AC/DF | 70 | 110 | 40 | | 1,62 | 71,5 | 82,5 | 5000 | 6700 |
| 346115 | 7015 AC/DF | 75 | 115 | 40 | | 1,72 | 73 | 87,5 | 4800 | 6700 |
| 346116 | 7016 AC/DF | 80 | 125 | 44 | | 2,22 | 89,5 | 106 | 4300 | 6000 |
| 346117 | 7017 AC/DF | 85 | 130 | 44 | | 2,5 | 91,5 | 112 | 4300 | 5600 |
| 346118 | 7018 AC/DF | 90 | 140 | 48 | | 3,16 | 109 | 133 | 3800 | 5300 |
| 346120 | 7020 AC/DF | 100 | 150 | 48 | | 3,44 | 111 | 141 | 3600 | 5000 |
| 346122 | 7022 AC/DF | 110 | 170 | 56 | | 5,42 | 157 | 191 | 3200 | 4300 |
| 346124 | 7024 AC/DF | 120 | 180 | 56 | | 5,88 | 166 | 213 | 3000 | 4000 |
| 346126 | 7026 AC/DF | 130 | 200 | 66 | | 8,86 | 191 | 251 | 2600 | 3600 |
| 346128 | 7028 AC/DF | 140 | 210 | 66 | | 9,4 | 194 | 265 | 2600 | 3400 |
| 346130 | 7030 AC/DF | 150 | 225 | 70 | | 10,98 | 222 | 305 | 1900 | 2400 |
| 346132 | 7032 AC/DF | 160 | 240 | 76 | | 13,34 | 252 | 355 | 1700 | 2400 |
| 346134 | 7034 AC/DF | 170 | 260 | 84 | | 17,84 | 300 | 430 | 1600 | 2200 |
| 346136 | 7036 AC/DF | 180 | 280 | 92 | | 22,56 | 335 | 505 | 1500 | 2000 |
| 346138 | 7038 AC/DF | 190 | 290 | 92 | | 24,2 | 365 | 560 | 1400 | 1900 |
| 346140 | 7040 AC/DF | 200 | 310 | 102 | | 31,18 | 390 | 620 | 1300 | 1800 |
| | | | | | | | | | | |
| 346205 | 7205 AC/DF | 25 | 52 | 30 | | 0,28 | 25 | 19 | 12000 | 15000 |
| 346206 | 7206 AC/DF | 30 | 62 | 32 | | 0,38 | 34,7 | 27,5 | 10000 | 13000 |
| 346207 | 7207 AC/DF | 35 | 72 | 34 | | 0,58 | 46 | 37 | 8800 | 11000 |
| 346208 | 7208 AC/DF | 40 | 80 | 36 | | 0,8 | 54,6 | 47 | 800 | 10000 |
| 346209 | 7209 AC/DF | 45 | 85 | 38 | | 0,85 | 61 | 53 | 7500 | 9400 |
| 346210 | 7210 AC/DF | 50 | 90 | 40 | | 0,94 | 64 | 59 | 6800 | 8500 |
| 346212 | 7212 AC/DF | 60 | 110 | 44 | | 1,85 | 95 | 92 | 5500 | 6900 |
| 346213 | 7213 AC/DF | 65 | 120 | 46 | | 2,18 | 109 | 108 | 5200 | 6400 |
| 346214 | 7214 AC/DF | 70 | 125 | 48 | | 2,36 | 113 | 111 | 4900 | 6100 |
| 346215 | 7215 AC/DF | 75 | 130 | 50 | | 2,64 | 129 | 130 | 4600 | 5800 |
| 346216 | 7216 AC/DF | 80 | 140 | 52 | | 3,36 | 139 | 143 | 4300 | 5400 |
| 346217 | 7217 AC/DF | 85 | 150 | 56 | | 3,64 | 160 | 167 | 4000 | 5000 |
| 316219 | 7219 AC/DF | 95 | 170 | 64 | | 5,06 | 198 | 207 | 3500 | 4400 |
| 346220 | 7220 AC/DF | 100 | 180 | 68 | | 6,55 | 223 | 234 | 3300 | 4100 |
| 346222 | 7222 AC/DF | 110 | 200 | 76 | | 11 | 263 | 296 | 3000 | 3700 |

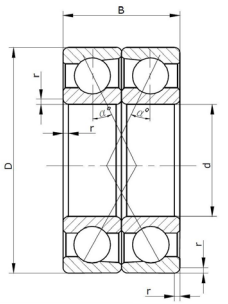
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

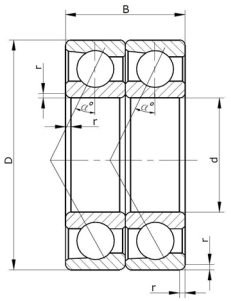
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



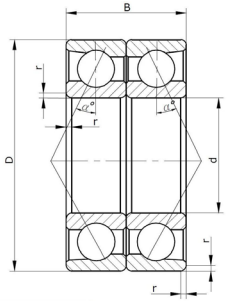

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 346226 | 7226 AC/DF | 130 | 230 | 80 | | 14,5 | 346 | 428 | 2500 | 3200 |
| 346234 | 7234 AC/DF | 170 | 310 | 104 | | 37,6 | 441 | 661 | 1800 | 2300 |
| 346244 | 7244 AC/DF | 220 | 400 | 130 | | 82,4 | 665 | 1170 | 900 | 1200 |
| | | | | | | | | | | |
| 346303 | 7303 AC/DF | 17 | 47 | 28 | | 0,242 | 25,9 | 17,3 | 11000 | 15000 |
| 346304 | 7304 AC/DF | 20 | 52 | 30 | | 0,312 | 30,5 | 20,8 | 10000 | 13000 |
| 346305 | 7305 AC/DF | 25 | 62 | 34 | | 0,496 | 43 | 31,5 | 8500 | 11000 |
| 346306 | 7306 AC/DF | 30 | 72 | 38 | | 0,762 | 54,5 | 41,5 | 7100 | 9500 |
| 346307 | 7307 AC/DF | 35 | 80 | 42 | | 1,024 | 65 | 52,5 | 6300 | 8500 |
| 346308 | 7308 AC/DF | 40 | 90 | 46 | | 1,466 | 79,5 | 66 | 5600 | 7500 |
| 346309 | 7309 AC/DF | 45 | 100 | 50 | | 1,94 | 103 | 87 | 5000 | 6700 |
| 346310 | 7310 AC/DF | 50 | 110 | 54 | | 2,46 | 121 | 104 | 4500 | 6000 |
| 346311 | 7311 AC/DF | 55 | 120 | 58 | | 3,14 | 139 | 123 | 4000 | 5600 |
| 346312 | 7312 AC/DF | 60 | 130 | 62 | | 3,94 | 159 | 143 | 3800 | 5000 |
| 346313 | 7313 AC/DF | 65 | 140 | 66 | | 4,76 | 180 | 164 | 3600 | 4800 |
| 346314 | 7314 AC/DF | 70 | 150 | 70 | | 5,78 | 203 | 187 | 3200 | 4300 |
| 346315 | 7315 AC/DF | 75 | 160 | 74 | | 6,94 | 221 | 212 | 3000 | 4000 |
| 346316 | 7316 AC/DF | 80 | 170 | 78 | | 8,26 | 239 | 238 | 2800 | 3800 |
| 346317 | 7317 AC/DF | 85 | 180 | 82 | | 9,82 | 258 | 265 | 2600 | 3600 |
| 346318 | 7318 AC/DF | 90 | 190 | 86 | | 11,48 | 277 | 294 | 2600 | 3400 |
| 346319 | 7319 AC/DF | 95 | 200 | 90 | | 13,34 | 297 | 325 | 2400 | 3200 |
| 346320 | 7320 AC/DF | 100 | 215 | 94 | | 16,2 | 335 | 385 | 2200 | 3000 |
| 346322 | 7322 AC/DF | 110 | 240 | 100 | | 21,74 | 360 | 430 | 2000 | 2600 |
| 346324 | 7324 AC/DF | 120 | 260 | 110 | | 33,24 | 400 | 505 | 1800 | 2400 |
| 346326 | 7326 AC/DF | 130 | 280 | 116 | | 39,8 | 445 | 585 | 1700 | 2200 |
| 346328 | 7328 AC/DF | 140 | 300 | 124 | | 48,62 | 490 | 670 | 1600 | 2000 |
| 346330 | 7330 AC/DF | 150 | 320 | 130 | | 56,72 | 515 | 745 | 1500 | 1900 |
| 346336 | 7336 AC/DF | 180 | 380 | 150 | | 93,44 | 665 | 1070 | 1200 | 1600 |
| 346340 | 7340 AC/DF | 200 | 420 | 160 | | 121,02 | 770 | 1320 | 1100 | 1400 |
| | | | | | | | | | | |
| 366134 | 7034 B/DF | 170 | 260 | 84 | | 17,84 | 270 | 386 | 1600 | 2100 |
| 366136 | 7036 B/DF | 180 | 280 | 92 | | 22,56 | 308 | 457 | 1400 | 1900 |
| 366138 | 7038 B/DF | 190 | 290 | 92 | | 24,2 | 316 | 483 | 1400 | 1800 |
| 366140 | 7040 B/DF | 200 | 310 | 102 | | 31,18 | 355 | 558 | 1300 | 1700 |

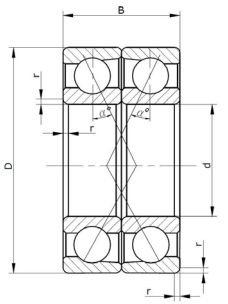
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

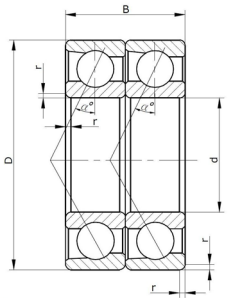
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



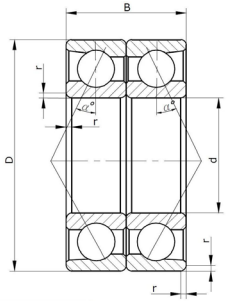

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 366144 | 7044 B/DF | 220 | 340 | 112 | | 37 | 389 | 636 | 1100 | 1500 |
| 366148 | 7048 B/DF | 240 | 360 | 112 | | 39,4 | 397 | 677 | 1000 | 1400 |
| 366152 | 7052 B/DF | 260 | 400 | 130 | | 57,4 | 473 | 862 | 910 | 1200 |
| 366156 | 7056 B/DF | 280 | 420 | 130 | | 60,8 | 483 | 903 | 850 | 1100 |
| | | | | | | | | | | |
| 366203 | 7203 B/DF | 17 | 40 | 24 | | 0,138 | 17,7 | 11,8 | 23000 | 30000 |
| 366211 | 7211 B/DF | 55 | 100 | 42 | | 1,36 | 85,9 | 80,4 | 8400 | 11000 |
| 366256 | - | 280 | 500 | 160 | | 135,2 | 816,5 | 1628 | 800 | 960 |
| | | | | | | | | | | |
| 366305 | 7305 B/DF | 25 | 62 | 34 | | 0,496 | 39,5 | 29,3 | 7500 | 10000 |
| 366306 | 7306 B/DF | 30 | 72 | 38 | | 0,762 | 50,5 | 38,5 | 6300 | 8500 |
| 366307 | 7307 B/DF | 35 | 80 | 42 | | 1,024 | 59,5 | 48,5 | 5600 | 7500 |
| 366308 | 7308 B/DF | 40 | 90 | 46 | | 1,466 | 73 | 60,5 | 5000 | 6700 |
| 366309 | 7309 B/DF | 45 | 100 | 50 | | 1,94 | 95 | 80,5 | 4500 | 6000 |
| 366310 | 7310 B/DF | 50 | 110 | 54 | | 2,46 | 111 | 96 | 4000 | 5600 |
| 366311 | 7311 B/DF | 55 | 120 | 58 | | 3,14 | 128 | 113 | 3600 | 5000 |
| 366312 | 7312 B/DF | 60 | 130 | 62 | | 3,94 | 146 | 131 | 3400 | 4500 |
| 366313 | 7313 B/DF | 65 | 140 | 66 | | 4,76 | 166 | 151 | 3200 | 4300 |
| 366314 | 7314 B/DF | 70 | 150 | 70 | | 5,78 | 186 | 172 | 2800 | 4000 |
| 366315 | 7315 B/DF | 75 | 160 | 74 | | 6,94 | 202 | 195 | 2800 | 3800 |
| 366316 | 7316 B/DF | 80 | 170 | 78 | | 8,26 | 219 | 218 | 2600 | 3400 |
| 366317 | 7317 B/DF | 85 | 180 | 82 | | 9,82 | 236 | 244 | 2400 | 3200 |
| 366318 | 7318 B/DF | 90 | 190 | 86 | | 11,48 | 254 | 270 | 2200 | 3000 |
| 366319 | 7319 B/DF | 95 | 200 | 90 | | 13,34 | 272 | 298 | 2200 | 3000 |
| 366320 | 7320 B/DF | 100 | 215 | 94 | | 16,2 | 310 | 355 | 2000 | 2800 |
| 366322 | 7322 B/DF | 110 | 240 | 100 | | 21,74 | 325 | 395 | 1800 | 2400 |
| 366324 | 7324 B/DF | 120 | 260 | 110 | | 33,24 | 365 | 460 | 1600 | 2200 |
| 366326 | 7326 B/DF | 130 | 280 | 116 | | 39,8 | 405 | 535 | 1500 | 2000 |
| 366328 | 7328 B/DF | 140 | 300 | 124 | | 48,62 | 445 | 615 | 1400 | 1900 |
| 366330 | 7330 B/DF | 150 | 320 | 130 | | 56,72 | 470 | 680 | 1300 | 1800 |
| 366336 | 7336 B/DF | 180 | 380 | 150 | | 93,44 | 605 | 975 | 1100 | 1500 |
| 366340 | 7340 B/DF | 200 | 420 | 160 | | 121,02 | 700 | 1200 | 950 | 1300 |
| | | | | | | | | | | |
| 366405 | 7405 B/DF | 25 | 80 | 42 | | 1,054 | 60 | 43 | 5500 | 8200 |

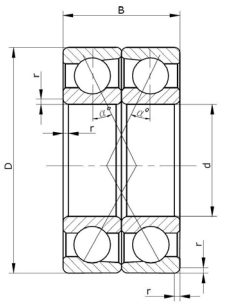
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

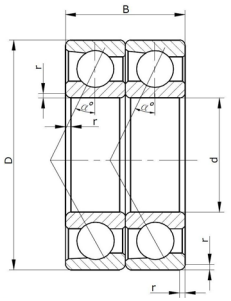
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



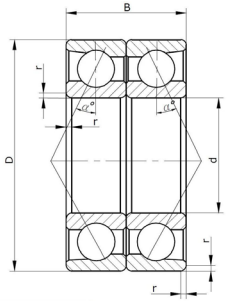

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 366406 | 7406 B/DF | 30 | 90 | 46 | | 1,372 | 71,8 | 52,8 | 4900 | 7300 |
| 366407 | 7407 B/DF | 35 | 100 | 50 | | 1,9 | 91,3 | 68,6 | 4300 | 6500 |
| 366408 | 7408 B/DF | 40 | 110 | 54 | | 2,6 | 105 | 80,8 | 3900 | 5900 |
| 366409 | 7409 B/DF | 45 | 120 | 58 | | 3,1 | 128 | 100 | 3600 | 5400 |
| 366410 | 7410 B/DF | 50 | 130 | 62 | | 3,84 | 147 | 121 | 3300 | 4900 |
| 366411 | 7411 B/DF | 55 | 140 | 66 | | 4,72 | 179 | 153 | 3000 | 4500 |
| 366412 | 7412 B/DF | 60 | 150 | 70 | | 5,7 | 194 | 173 | 2800 | 4100 |
| 366413 | 7413 B/DF | 65 | 160 | 74 | | 6,82 | 209 | 194 | 2600 | 3900 |
| 366414 | 7414 B/DF | 70 | 180 | 84 | | 9,98 | 241 | 237 | 2300 | 3500 |
| 366415 | 7415 B/DF | 75 | 190 | 90 | | 11,8 | 257 | 261 | 2200 | 3300 |
| 366416 | 7416 B/DF | 80 | 200 | 96 | | 12 | 290 | 307 | 2100 | 3100 |
| 366417 | 7417 B/DF | 85 | 210 | 104 | | 17,08 | 307 | 334 | 2000 | 3000 |
| 366418 | 7418 B/DF | 90 | 225 | 108 | | 22,8 | 325 | 364 | 1800 | 2800 |
| 366432 | 7432 B/DF | 160 | 400 | 176 | | 121 | 644 | 857 | 1000 | 1300 |
| | | | | | | | | | | |
| 436100 | 7000 C/DT | 10 | 26 | 16 | | 0,05 | 8,75 | 5,2 | 24000 | 34000 |
| 436101 | 7001 C/DT | 12 | 28 | 16 | | 0,054 | 9,4 | 5,8 | 32000 | 45000 |
| 436102 | 7002 C/DT | 15 | 32 | 18 | | 0,078 | 10,1 | 6,75 | 28000 | 38000 |
| 436103 | 7003 C/DT | 17 | 35 | 20 | | 0,102 | 10,7 | 7,6 | 26000 | 34000 |
| 436104 | 7004 C/DT | 20 | 42 | 24 | | 0,178 | 18 | 13,1 | 20000 | 30000 |
| 436105 | 7005 C/DT | 25 | 47 | 24 | | 0,206 | 19 | 14,8 | 18000 | 26000 |
| 436106 | 7006 C/DT | 30 | 55 | 26 | | 0,3 | 24,6 | 20,5 | 15000 | 22000 |
| 436107 | 7007 C/DT | 35 | 62 | 28 | | 0,414 | 31 | 27,3 | 13000 | 19000 |
| | | | | | | | | | | |
| 436201 | 7201 C/DT | 12 | 32 | 20 | | 0,078 | 8,8 | 5,2 | 32000 | 45000 |
| 436202 | 7202 C/DT | 15 | 35 | 22 | | 0,096 | 12,8 | 7,7 | 30000 | 40000 |
| 436203 | 7203 C/DT | 17 | 40 | 24 | | 0,138 | 17,6 | 11,7 | 22000 | 32000 |
| 436204 | 7204 C/DT | 20 | 47 | 28 | | 0,226 | 23,6 | 16,1 | 19000 | 26000 |
| 436205 | 7205 C/DT | 25 | 52 | 30 | | 0,278 | 27 | 20,4 | 17000 | 24000 |
| 436206 | 7206 C/DT | 30 | 62 | 32 | | 0,434 | 37,5 | 29,3 | 14000 | 20000 |
| 436207 | 7207 C/DT | 35 | 72 | 34 | | 0,626 | 49,5 | 40 | 12000 | 17000 |
| 436208 | 7208 C/DT | 40 | 80 | 36 | | 0,804 | 59 | 50,5 | 11000 | 15000 |
| 436209 | 7209 C/DT | 45 | 85 | 38 | | 0,92 | 66,5 | 57,5 | 10000 | 14000 |
| 436210 | 7210 C/DT | 50 | 90 | 40 | | 1,02 | 69,5 | 63,5 | 9500 | 13000 |

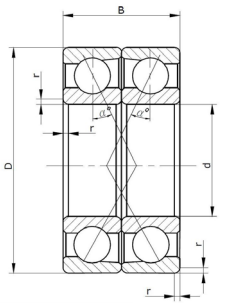
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

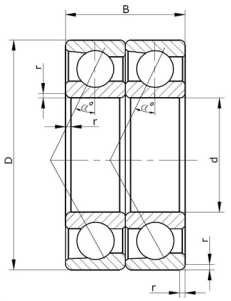
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



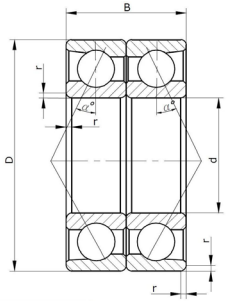

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 436211 | 7211 C/DT | 55 | 100 | 42 | | 1,36 | 86 | 80 | 8500 | 12000 |
| 436212 | 7212 C/DT | 60 | 110 | 44 | | 1,74 | 104 | 98,5 | 7500 | 11000 |
| 436213 | 7213 C/DT | 65 | 120 | 46 | | 2,18 | 119 | 117 | 7100 | 9500 |
| 436214 | 7214 C/DT | 70 | 125 | 48 | | 2,36 | 129 | 129 | 6700 | 9000 |
| 436215 | 7215 C/DT | 75 | 130 | 50 | | 2,64 | 134 | 140 | 6300 | 9000 |
| 436216 | 7216 C/DT | 80 | 140 | 52 | | 3,14 | 151 | 155 | 6000 | 8000 |
| 436217 | 7217 C/DT | 85 | 150 | 56 | | 4,02 | 174 | 181 | 5600 | 7500 |
| 436218 | 7218 C/DT | 90 | 160 | 60 | | 4,94 | 199 | 209 | 5300 | 7100 |
| 436219 | 7219 C/DT | 95 | 170 | 64 | | 6,04 | 216 | 224 | 4800 | 6700 |
| 436220 | 7220 C/DT | 100 | 180 | 68 | | 7,24 | 242 | 254 | 4500 | 6300 |
| | | | | | | | | | | |
| 446100 | 7000 AC/DT | 10 | 26 | 16 | | 0,05 | 8,65 | 5 | 36000 | 50000 |
| 446101 | 7001 AC/DT | 12 | 28 | 16 | | 0,054 | 9,4 | 5,95 | 22000 | 30000 |
| 446102 | 7002 AC/DT | 15 | 32 | 18 | | 0,078 | 9,95 | 6,85 | 19000 | 26000 |
| 446103 | 7003 AC/DT | 17 | 35 | 20 | | 0,102 | 10,4 | 7,65 | 17000 | 24000 |
| 446104 | 7004 AC/DT | 20 | 42 | 24 | | 0,178 | 17,6 | 13,2 | 15000 | 20000 |
| 446105 | 7005 AC/DT | 25 | 47 | 24 | | 0,206 | 18,3 | 14,8 | 13000 | 17000 |
| 446106 | 7006 AC/DT | 30 | 55 | 26 | | 0,3 | 23,6 | 20,2 | 11000 | 15000 |
| 446107 | 7007 AC/DT | 35 | 62 | 28 | | 0,414 | 29,7 | 26,8 | 9500 | 13000 |
| 446108 | 7008 AC/DT | 40 | 68 | 30 | | 0,494 | 31,5 | 31 | 8500 | 11000 |
| 446109 | 7009 AC/DT | 45 | 75 | 32 | | 0,62 | 37,5 | 37,5 | 7500 | 10000 |
| 446110 | 7010 AC/DT | 50 | 80 | 32 | | 0,7 | 40 | 42 | 7100 | 9500 |
| 446111 | 7011 AC/DT | 55 | 90 | 36 | | 0,94 | 52,5 | 55,5 | 6300 | 8500 |
| 446112 | 7012 AC/DT | 60 | 95 | 36 | | 1,02 | 53,5 | 59 | 6000 | 8000 |
| 446113 | 7013 AC/DT | 65 | 100 | 36 | | 1,08 | 56,5 | 65,5 | 5600 | 7500 |
| 446114 | 7014 AC/DT | 70 | 110 | 40 | | 1,62 | 71,5 | 82,5 | 5000 | 6700 |
| 446115 | 7015 AC/DT | 75 | 115 | 40 | | 1,72 | 73 | 87,5 | 4800 | 6700 |
| 446116 | 7016 AC/DT | 80 | 125 | 44 | | 2,22 | 89,5 | 106 | 4300 | 6000 |
| 446117 | 7017 AC/DT | 85 | 130 | 44 | | 2,5 | 91,5 | 112 | 4300 | 5600 |
| 446118 | 7018 AC/DT | 90 | 140 | 48 | | 3,16 | 109 | 133 | 3800 | 5300 |
| 446120 | 7020 AC/DT | 100 | 150 | 48 | | 3,44 | 111 | 141 | 3600 | 5000 |
| 446122 | 7022 AC/DT | 110 | 170 | 56 | | 5,42 | 157 | 191 | 3200 | 4300 |
| 446124 | 7024 AC/DT | 120 | 180 | 56 | | 5,88 | 166 | 213 | 3000 | 4000 |
| 446126 | 7026 AC/DT | 130 | 200 | 66 | | 8,86 | 191 | 251 | 2600 | 3600 |

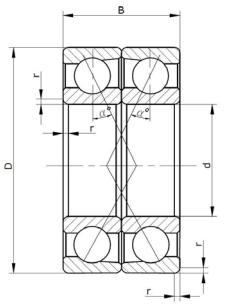
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

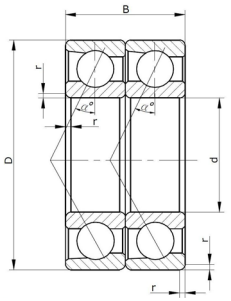
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



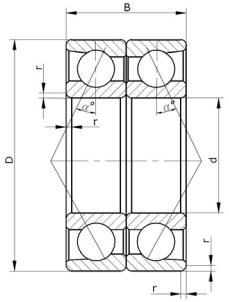

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 446128 | 7028 AC/DT | 140 | 210 | 66 | | 9,4 | 194 | 265 | 2600 | 3400 |
| 446130 | 7030 AC/DT | 150 | 225 | 70 | | 10,98 | 222 | 305 | 1900 | 2400 |
| 446132 | 7032 AC/DT | 160 | 240 | 76 | | 13,34 | 252 | 355 | 1700 | 2400 |
| 446134 | 7034 AC/DT | 170 | 260 | 84 | | 17,84 | 300 | 430 | 1600 | 2200 |
| 446136 | 7036 AC/DT | 180 | 280 | 92 | | 22,56 | 335 | 505 | 1500 | 2000 |
| 446138 | 7038 AC/DT | 190 | 290 | 92 | | 24,2 | 365 | 560 | 1400 | 1900 |
| 446140 | 7040 AC/DT | 200 | 310 | 102 | | 31,18 | 390 | 620 | 1300 | 1800 |
| | | | | | | | | | | |
| 446201 | 7201 AC/DT | 12 | 32 | 20 | | 0,078 | 8,8 | 5,4 | 22000 | 30000 |
| 446202 | 7202 AC/DT | 15 | 35 | 22 | | 0,096 | 13 | 8,05 | 20000 | 28000 |
| 446203 | 7203 AC/DT | 17 | 40 | 24 | | 0,138 | 17,6 | 12 | 16000 | 22000 |
| 446204 | 7204 AC/DT | 20 | 47 | 28 | | 0,226 | 23,5 | 16,6 | 13000 | 19000 |
| 446205 | 7205 AC/DT | 25 | 52 | 30 | | 0,278 | 26,3 | 20,5 | 12000 | 16000 |
| 446206 | 7206 AC/DT | 30 | 62 | 32 | | 0,434 | 36,5 | 29,5 | 10000 | 13000 |
| 446207 | 7207 AC/DT | 35 | 72 | 34 | | 0,626 | 48,5 | 40 | 8500 | 12000 |
| 446208 | 7208 AC/DT | 40 | 80 | 36 | | 0,804 | 57,5 | 50,5 | 7500 | 10000 |
| 446209 | 7209 AC/DT | 45 | 85 | 38 | | 0,92 | 64,5 | 57,5 | 7100 | 9500 |
| 446210 | 7210 AC/DT | 50 | 90 | 40 | | 1,02 | 67 | 63 | 6300 | 9000 |
| 446211 | 7211 AC/DT | 55 | 100 | 42 | | 1,36 | 83 | 79 | 6000 | 8000 |
| 446212 | 7212 AC/DT | 60 | 110 | 44 | | 1,74 | 100 | 97,5 | 5300 | 7100 |
| 446213 | 7213 AC/DT | 65 | 120 | 46 | | 2,18 | 114 | 116 | 4800 | 6700 |
| 446214 | 7214 AC/DT | 70 | 125 | 48 | | 2,36 | 124 | 127 | 4500 | 6300 |
| 446215 | 7215 AC/DT | 75 | 130 | 50 | | 2,64 | 123 | 129 | 4300 | 6000 |
| 446216 | 7216 AC/DT | 80 | 140 | 52 | | 3,14 | 145 | 152 | 4000 | 5600 |
| 446217 | 7217 AC/DT | 85 | 150 | 56 | | 4,02 | 167 | 178 | 3800 | 5300 |
| 446218 | 7218 AC/DT | 90 | 160 | 60 | | 4,94 | 191 | 206 | 3600 | 5000 |
| 446220 | 7220 AC/DT | 100 | 180 | 68 | | 7,024 | 233 | 251 | 3200 | 4300 |
| 446222 | 7222 AC/DT | 110 | 200 | 76 | | 10,06 | 276 | 315 | 2800 | 4000 |
| 446224 | 7224 AC/DT | 120 | 215 | 80 | | 14,16 | 297 | 355 | 2600 | 3600 |
| 446226 | 7226 AC/DT | 130 | 230 | 80 | | 16,2 | 310 | 385 | 1900 | 2600 |
| 446228 | 7228 AC/DT | 140 | 250 | 84 | | 19,9 | 355 | 470 | 1800 | 2400 |
| 446230 | 7230 AC/DT | 150 | 270 | 90 | | 24,92 | 405 | 560 | 1600 | 2200 |
| 446232 | 7232 AC/DT | 160 | 290 | 96 | | 30,98 | 425 | 615 | 1500 | 2000 |
| 446234 | 7234 AC/DT | 170 | 310 | 104 | | 39,38 | 480 | 715 | 1400 | 1900 |

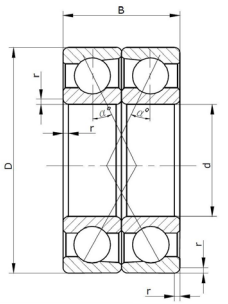
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

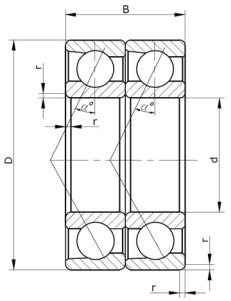
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



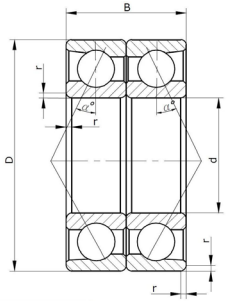

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 446236 | 7236 AC/DT | 180 | 320 | 104 | | 40,52 | 495 | 770 | 1400 | 1800 |
| 446238 | 7238 AC/DT | 190 | 340 | 110 | | 48,62 | 510 | 825 | 1300 | 1700 |
| 446240 | 7240 AC/DT | 200 | 360 | 116 | | 57,64 | 550 | 900 | 1200 | 1600 |
| 446244 | 7244 AC/DT | 220 | 400 | 130 | | - | - | - | - | - |
| | | | | | | | | | | |
| 446303 | 7303 AC/DT | 17 | 47 | 28 | | 0,242 | 25,9 | 17,3 | 11000 | 15000 |
| 446304 | 7304 AC/DT | 20 | 52 | 30 | | 0,312 | 30,5 | 20,8 | 10000 | 13000 |
| 446305 | 7305 AC/DT | 25 | 62 | 34 | | 0,496 | 43 | 31,5 | 8500 | 11000 |
| 446306 | 7306 AC/DT | 30 | 72 | 38 | | 0,762 | 54,5 | 41,5 | 7100 | 9500 |
| 446307 | 7307 AC/DT | 35 | 80 | 42 | | 1,024 | 65 | 52,5 | 6300 | 8500 |
| 446308 | 7308 AC/DT | 40 | 90 | 46 | | 1,466 | 79,5 | 66 | 5600 | 7500 |
| 446309 | 7309 AC/DT | 45 | 100 | 50 | | 1,94 | 103 | 87 | 5000 | 6700 |
| 446310 | 7310 AC/DT | 50 | 110 | 54 | | 2,46 | 121 | 104 | 4500 | 6000 |
| 446311 | 7311 AC/DT | 55 | 120 | 58 | | 3,14 | 139 | 123 | 4000 | 5600 |
| 446312 | 7312 AC/DT | 60 | 130 | 62 | | 3,94 | 159 | 143 | 3800 | 5000 |
| 446313 | 7313 AC/DT | 65 | 140 | 66 | | 4,76 | 180 | 164 | 3600 | 4800 |
| 446314 | 7314 AC/DT | 70 | 150 | 70 | | 5,78 | 203 | 187 | 3200 | 4300 |
| 446315 | 7315 AC/DT | 75 | 160 | 74 | | 6,94 | 221 | 212 | 3000 | 4000 |
| 446316 | 7316 AC/DT | 80 | 170 | 78 | | 8,26 | 239 | 238 | 2800 | 3800 |
| 446317 | 7317 AC/DT | 85 | 180 | 82 | | 9,82 | 258 | 265 | 2600 | 3600 |
| 446318 | 7318 AC/DT | 90 | 190 | 86 | | 11,48 | 277 | 294 | 2600 | 3400 |
| 446319 | 7319 AC/DT | 95 | 200 | 90 | | 13,34 | 297 | 325 | 2400 | 3200 |
| 446320 | 7320 AC/DT | 100 | 215 | 94 | | 16,2 | 335 | 385 | 2200 | 3000 |
| 446322 | 7322 AC/DT | 110 | 240 | 100 | | 21,74 | 360 | 430 | 2000 | 2600 |
| 446324 | 7324 AC/DT | 120 | 260 | 110 | | 33,24 | 400 | 505 | 1800 | 2400 |
| 446326 | 7326 AC/DT | 130 | 280 | 116 | | 39,8 | 445 | 585 | 1700 | 2200 |
| 446328 | 7328 AC/DT | 140 | 300 | 124 | | 48,62 | 490 | 670 | 1600 | 2000 |
| 446330 | 7330 AC/DT | 150 | 320 | 130 | | 56,72 | 515 | 745 | 1500 | 1900 |
| 446336 | 7336 AC/DT | 180 | 380 | 150 | | 93,44 | 665 | 1070 | 1200 | 1600 |
| 446340 | 7340 AC/DT | 200 | 420 | 160 | | 121,02 | 770 | 1320 | 1100 | 1400 |
| | | | | | | | | | | |
| 466134 | 7034 B/DT | 170 | 260 | 84 | | 17,84 | 270 | 386 | 1600 | 2100 |
| 466136 | 7036 B/DT | 180 | 280 | 92 | | 22,56 | 308 | 457 | 1400 | 1900 |
| 466138 | 7038 B/DT | 190 | 290 | 92 | | 24,2 | 316 | 483 | 1400 | 1800 |

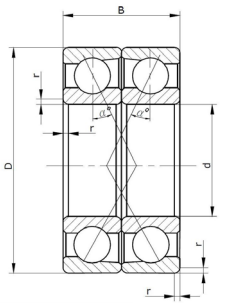
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

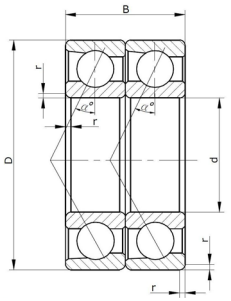
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
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**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



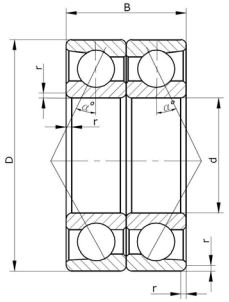

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 466140 | 7040 B/DT | 200 | 310 | 102 | | 31,18 | 355 | 558 | 1300 | 1700 |
| 466144 | 7044 B/DT | 220 | 340 | 112 | | 37 | 389 | 636 | 1100 | 1500 |
| 466148 | 7048 B/DT | 240 | 360 | 112 | | 39,4 | 397 | 677 | 1000 | 1400 |
| 466152 | 7052 B/DT | 260 | 400 | 130 | | 57,4 | 473 | 862 | 910 | 1200 |
| 466156 | 7056 B/DT | 280 | 420 | 130 | | 60,8 | 483 | 906 | 850 | 1100 |
| 466160 | 7060 B/DT | 300 | 460 | 148 | | 87,4 | 621 | 1230 | 770 | 1000 |
| 466164 | 7064 B/DT | 320 | 480 | 148 | | 92 | 636 | 1300 | 710 | 950 |
| 466168 | 7068 B/DT | 340 | 520 | 164 | | 123,6 | 731 | 1550 | 640 | 860 |
| 466172 | 7072 B/DT | 360 | 540 | 164 | | 129,2 | 750 | 1650 | 600 | 800 |
| 466176 | 7076 B/DT | 380 | 560 | 164 | | 134,4 | 767 | 1740 | 560 | 750 |
| | | | | | | | | | | |
| 466200 | 7200 B/DT | 10 | 30 | 18 | | 0,064 | 8,1 | 5 | 16000 | 22000 |
| 466201 | 7201 B/DT | 12 | 32 | 20 | | 0,078 | 12,1 | 7,5 | 15000 | 20000 |
| 466202 | 7202 B/DT | 15 | 35 | 22 | | 0,096 | 12,9 | 8,6 | 13000 | 18000 |
| 466203 | 7203 B/DT | 17 | 40 | 24 | | 0,138 | 16,1 | 11 | 11000 | 15000 |
| 466204 | 7204 B/DT | 20 | 47 | 28 | | 0,226 | 21,6 | 15,3 | 9500 | 13000 |
| 466205 | 7205 B/DT | 25 | 52 | 30 | | 0,278 | 24 | 18,8 | 8500 | 11000 |
| 466206 | 7206 B/DT | 30 | 62 | 32 | | 0,434 | 33,5 | 27 | 7100 | 9500 |
| 466207 | 7207 B/DT | 35 | 72 | 34 | | 0,626 | 44 | 36,5 | 6000 | 8000 |
| 466208 | 7208 B/DT | 40 | 80 | 36 | | 0,804 | 52 | 46 | 5300 | 7500 |
| 466209 | 7209 B/DT | 45 | 85 | 38 | | 0,92 | 58,5 | 52,5 | 5000 | 6700 |
| 466210 | 7210 B/DT | 50 | 90 | 40 | | 1,02 | 60,5 | 57 | 4500 | 6300 |
| 466211 | 7211 B/DT | 55 | 100 | 42 | | 1,36 | 75 | 72 | 4000 | 5600 |
| 466212 | 7212 B/DT | 60 | 110 | 44 | | 1,74 | 91 | 89 | 3800 | 5300 |
| 466213 | 7213 B/DT | 65 | 120 | 46 | | 2,18 | 103 | 105 | 3400 | 4800 |
| 466214 | 7214 B/DT | 70 | 125 | 48 | | 2,36 | 112 | 116 | 3200 | 4500 |
| 466215 | 7215 B/DT | 75 | 130 | 50 | | 2,64 | 112 | 117 | 3200 | 4300 |
| 466216 | 7216 B/DT | 80 | 140 | 52 | | 3,14 | 131 | 139 | 2800 | 4000 |
| 466217 | 7217 B/DT | 85 | 150 | 56 | | 4,02 | 151 | 162 | 2800 | 3800 |
| 466218 | 7218 B/DT | 90 | 160 | 60 | | 4,94 | 173 | 188 | 2600 | 3400 |
| 466219 | 7219 B/DT | 95 | 170 | 64 | | 6,04 | 188 | 202 | 2400 | 3200 |
| 466220 | 7220 B/DT | 100 | 180 | 68 | | 7,024 | 212 | 229 | 2200 | 3000 |
| 466222 | 7222 B/DT | 110 | 200 | 76 | | 10,06 | 250 | 289 | 2000 | 2800 |
| 466224 | 7224 B/DT | 120 | 215 | 80 | | 14,16 | 269 | 325 | 1900 | 2600 |

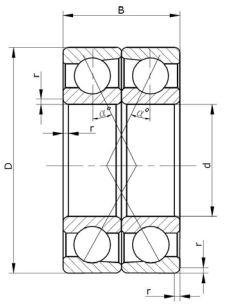
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

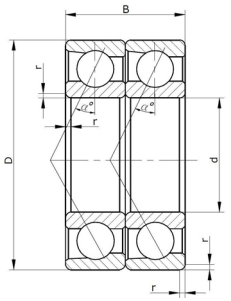
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of textolite;
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**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



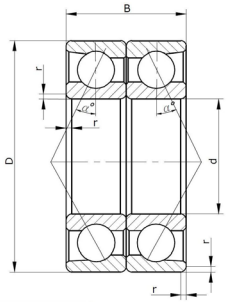

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 466226 | 7226 B/DT | 130 | 230 | 80 | | 16,2 | 278 | 350 | 1700 | 2400 |
| 466256 | 7256 B/DT | 280 | 500 | 160 | | - | - | - | - | - |
| | | | | | | | | | | |
| 466305 | 7305 B/DT | 25 | 62 | 34 | | 0,496 | 39,5 | 29,3 | 7500 | 10000 |
| 466306 | 7306 B/DT | 30 | 72 | 38 | | 0,762 | 50,5 | 38,5 | 6300 | 8500 |
| 466307 | 7307 B/DT | 35 | 80 | 42 | | 1,024 | 59,5 | 48,5 | 5600 | 7500 |
| 466308 | 7308 B/DT | 40 | 90 | 46 | | 1,466 | 73 | 60,5 | 5000 | 6700 |
| 466309 | 7309 B/DT | 45 | 100 | 50 | | 1,94 | 95 | 80,5 | 4500 | 6000 |
| 466310 | 7310 B/DT | 50 | 110 | 54 | | 2,46 | 111 | 96 | 4000 | 5600 |
| 466311 | 7311 B/DT | 55 | 120 | 58 | | 3,14 | 128 | 113 | 3600 | 5000 |
| 466312 | 7312 B/DT | 60 | 130 | 62 | | 3,94 | 146 | 131 | 3400 | 4500 |
| 466313 | 7313 B/DT | 65 | 140 | 66 | | 4,76 | 166 | 151 | 3200 | 4300 |
| 466314 | 7314 B/DT | 70 | 150 | 70 | | 5,78 | 186 | 172 | 2800 | 4000 |
| 466315 | 7315 B/DT | 75 | 160 | 74 | | 6,94 | 202 | 195 | 2800 | 3800 |
| 466316 | 7316 B/DT | 80 | 170 | 78 | | 8,26 | 219 | 218 | 2600 | 3400 |
| 466317 | 7317 B/DT | 85 | 180 | 82 | | 9,82 | 236 | 244 | 2400 | 3200 |
| 466318 | 7318 B/DT | 90 | 190 | 86 | | 11,48 | 254 | 270 | 2200 | 3000 |
| 466319 | 7319 B/DT | 95 | 200 | 90 | | 13,34 | 272 | 298 | 2200 | 3000 |
| 466320 | 7320 B/DT | 100 | 215 | 94 | | 16,2 | 310 | 355 | 2000 | 2800 |
| 466322 | 7322 B/DT | 110 | 240 | 100 | | 21,74 | 325 | 395 | 1800 | 2400 |
| 466324 | 7324 B/DT | 120 | 260 | 110 | | 33,24 | 365 | 460 | 1600 | 2200 |
| 466326 | 7326 B/DT | 130 | 280 | 116 | | 39,8 | 405 | 535 | 1500 | 2000 |
| 466328 | 7328 B/DT | 140 | 300 | 124 | | 48,62 | 445 | 615 | 1400 | 1900 |
| 466330 | 7330 B/DT | 150 | 320 | 130 | | 56,72 | 470 | 680 | 1300 | 1800 |
| 466336 | 7336 B/DT | 180 | 380 | 150 | | 93,44 | 605 | 975 | 1100 | 1500 |
| 466340 | 7340 B/DT | 200 | 420 | 160 | | 121,02 | 700 | 1200 | 950 | 1300 |
| | | | | | | | | | | |
| 466405 | 7405 B/DT | 25 | 80 | 42 | | 1,054 | 60 | 43 | 5500 | 8200 |
| 466406 | 7406 B/DT | 30 | 90 | 46 | | 1,372 | 71,8 | 52,8 | 4900 | 7300 |
| 466407 | 7407 B/DT | 35 | 100 | 50 | | 1,9 | 91,3 | 68,6 | 4300 | 6500 |
| 466408 | 7408 B/DT | 40 | 110 | 54 | | 2,6 | 105 | 80,8 | 3900 | 5900 |
| 466409 | 7409 B/DT | 45 | 120 | 58 | | 3,1 | 128 | 100 | 3600 | 5400 |
| 466410 | 7410 B/DT | 50 | 130 | 62 | | 3,84 | 147 | 121 | 3300 | 4900 |
| 466411 | 7411 B/DT | 55 | 140 | 66 | | 4,72 | 179 | 153 | 3000 | 4500 |

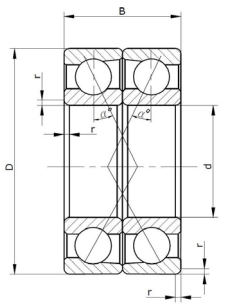
DESIGN OPTIONS

| | | |
|---|---|---|
| 236 000;<br>246 000;<br>266 000 | (7000 C.DB;<br>7000 AC.DB;<br>7000 B.DB) | on layout «O» |
| 336 000;<br>346 000;<br>366 000 | (7000 C.DF;<br>7000 AC.DF;<br>7000 B.DF) | on layout «X» |
| 436 000;<br>446 000;<br>466 000 | (7000 C.DT;<br>7000 AC.DT;<br>7000 B.DT) | on layout «T» |

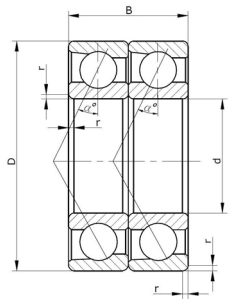
OPTIONS OF SEPARATOR DESIGN:
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- mechanically processed massive made of textolite;
- mechanically processed massive made of brass.




**236 000; 246 000; 266 000 (7000 C.DB; 7000 AC.DB; 7000 B.DB)**




**336 000; 346 000; 366 000 (7000 C.DF; 7000 AC.DF; 7000 B.DF)**



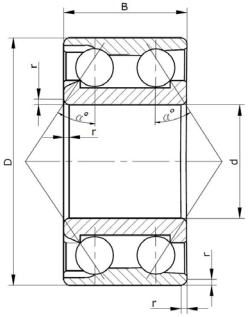

**436 000; 446 000; 466 000 (7000 C.DT; 7000 AC.DT; 7000 B.DT)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 466412 | 7412 B/DT | 60 | 150 | 70 | | 5,7 | 194 | 173 | 2800 | 4100 |
| 466413 | 7413 B/DT | 65 | 160 | 74 | | 6,82 | 209 | 194 | 2600 | 3900 |
| 466414 | 7414 B/DT | 70 | 180 | 84 | | 9,98 | 241 | 237 | 2300 | 3500 |
| 466415 | 7415 B/DT | 75 | 190 | 90 | | 11,8 | 257 | 261 | 2200 | 3300 |
| 466416 | 7416 B/DT | 80 | 200 | 96 | | 12 | 290 | 307 | 2100 | 3100 |
| 466417 | 7417 B/DT | 85 | 210 | 104 | | 17,08 | 307 | 334 | 2000 | 3000 |
| 466418 | 7418 B/DT | 90 | 225 | 108 | | 22,8 | 325 | 364 | 1800 | 2800 |
| 466420 | 7420 B/DT | 100 | 250 | 116 | | - | - | - | - | - |
| 466432 | 7432 B/DT | 160 | 400 | 176 | | 121 | 644 | 857 | 1000 | 1300 |

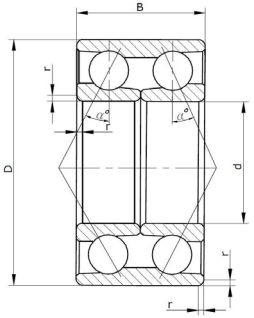
DESIGN OPTIONS СЕПА-

| | | |
|---|---|---|
| 3 056 000 | (3000 A) | - double-row preload with a channel for entering the balls |
| 3 086 000 | (3000 D) | - double-row with the releasable inner race |
| 256 000 | (DAC0000; 00BG00; 00BD00) | - double-row closed |

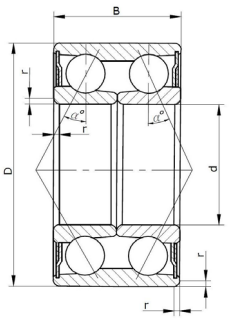
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of brass




**3 056 000 (3000 A)**




**3 086 000 (3000 D)**



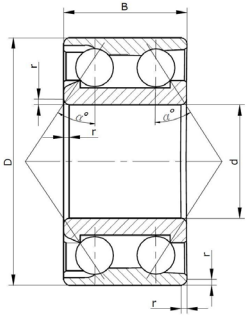

**256 000 (DAC0000; 00BG00; 00BD00)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3056200 | 3200A | 10 | 30 | 14,3 | | 0,05 | 7,15 | 3,9 | 17000 | 22000 |
| 3056201 | 3201A | 12 | 32 | 15,9 | | 0,06 | 10,5 | 5,8 | 15000 | 20000 |
| 3056202 | 3202A | 15 | 35 | 15,9 | | 0,07 | 1107 | 7,05 | 13000 | 17000 |
| 3056203 | 3203A | 17 | 40 | 17,5 | | 0,1 | 14,6 | 9,05 | 11000 | 15000 |
| 3056204 | 3204A | 20 | 47 | 20,6 | | 0,17 | 19,6 | 12,4 | 10000 | 13000 |
| 3056205 | 3205A | 25 | 52 | 20,6 | | 0,19 | 21,3 | 14,7 | 8500 | 11000 |
| 3056206 | 3206A | 30 | 62 | 23,8 | | 0,31 | 29,6 | 21,1 | 7100 | 9500 |
| 3056207 | 3207A | 35 | 72 | 27 | | 0,48 | 39 | 28,7 | 6300 | 8000 |
| 3056208 | 3208A | 40 | 80 | 30,2 | | 0,65 | 44 | 33,5 | 5600 | 7100 |
| 3056209 | 3209A | 45 | 85 | 30,2 | | 0,7 | 49,5 | 38 | 5000 | 6700 |
| 3056210 | 3210A | 50 | 90 | 30,2 | | 0,74 | 53 | 43,5 | 4800 | 6000 |
| 3056211 | 3211A | 55 | 100 | 33,3 | | 1,05 | 56 | 49 | 4300 | 5600 |
| 3056212 | 3212A | 60 | 110 | 36,5 | | 1,36 | 69 | 62 | 3800 | 5000 |
| 3056213 | 3213A | 65 | 120 | 38,1 | | 1,76 | 76,5 | 69 | 3600 | 4500 |
| 3056214 | 3214A | 70 | 125 | 39,7 | | 1,93 | 94 | 82 | 3400 | 4500 |
| 3056215 | 3215A | 75 | 130 | 41,3 | | 2,08 | 93,5 | 83 | 3200 | 4300 |
| 3056216 | 3216A | 80 | 140 | 44,4 | | 2,64 | 99 | 93 | 3000 | 3800 |
| 3056217 | 3217A | 85 | 150 | 49,2 | | 3,39 | 116 | 110 | 2800 | 3600 |
| 3056218 | 3218A | 90 | 160 | 52,4 | | 4,14 | 125 | 123 | 2600 | 3600 |
| 3056219 | 3219A | 95 | 170 | 55,6 | | 5 | 140 | 186 | 2400 | 3400 |
| 3056220 | 3220A | 100 | 180 | 60,3 | | 6,1 | 160 | 224 | 2200 | 3200 |
| 3056221 | 3221A | 105 | 190 | 65,1 | | 7,38 | 176 | 240 | 2200 | 3200 |
| 3056222 | 3222A | 110 | 200 | 69,8 | | 8,79 | 190 | 260 | 2000 | 3000 |
| | | | | | | | | | | |
| 3056302 | 3302A | 15 | 42 | 19 | | 0,13 | 17,6 | 10,2 | 11000 | 15000 |
| 3056303 | 3303A | 17 | 47 | 22,2 | | 0,19 | 20,8 | 12,5 | 10000 | 15000 |
| 3056304 | 3304A | 20 | 52 | 22,2 | | 0,23 | 24,6 | 15 | 9000 | 12000 |
| 3056305 | 3305A | 25 | 62 | 25,4 | | 0,37 | 30 | 20 | 7500 | 10000 |
| 3056306 | 3306A | 30 | 72 | 30,2 | | 0,58 | 39 | 28,5 | 6300 | 8500 |
| 3056307 | 3307A | 35 | 80 | 34,9 | | 0,78 | 51 | 34,5 | 5600 | 7500 |
| 3056308 | 3308A | 40 | 90 | 36,5 | | 1,05 | 62 | 45 | 5000 | 6700 |
| 3056309 | 3309A | 45 | 100 | 39,7 | | 1,41 | 68 | 51 | 4500 | 6000 |
| 3056310 | 3310A | 50 | 110 | 44,4 | | 1,9 | 81 | 62 | 4000 | 5600 |
| 3056311 | 3311A | 55 | 120 | 49,2 | | 2,48 | 102 | 78 | 3800 | 5000 |

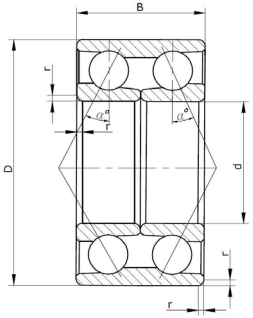
DESIGN OPTIONS СЕПА-

| | | |
|---|---|---|
| 3 056 000 | (3000 A) | - double-row preload with a channel for entering the balls |
| 3 086 000 | (3000 D) | - double-row with the releasable inner race |
| 256 000 | (DAC0000; 00BG00; 00BD00) | - double-row closed |

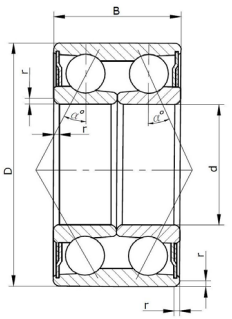
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of brass




**3 056 000 (3000 A)**




**3 086 000 (3000 D)**



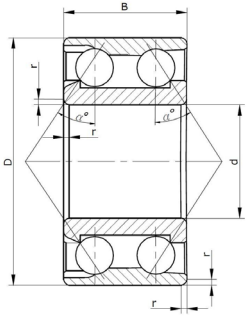

**256 000 (DAC0000; 00BG00; 00BD00)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3056312 | 3312A | 60 | 130 | 54 | | 3,17 | 125 | 98 | 3400 | 4500 |
| 3056313 | 3313A | 65 | 140 | 58,7 | | 4,01 | 142 | 113 | 3200 | 4300 |
| 3056314 | 3314A | 70 | 150 | 63,5 | | 5,04 | 159 | 128 | 3000 | 3800 |
| 3056315 | 3315A | 75 | 160 | 68,3 | | 6,16 | 163 | 193 | 2800 | 3800 |
| 3056316 | 3316A | 80 | 170 | 68,3 | | 6,93 | 183 | 213 | 3600 | 4000 |
| 3056317 | 3317A | 85 | 180 | 73 | | 8,3 | 199 | 239 | 3400 | 3800 |
| 3056318 | 3318A | 90 | 190 | 73 | | 9,23 | 216 | 275 | 2200 | 3200 |
| 3056319 | 3319A | 95 | 200 | 77,8 | | 11,4 | 230 | 310 | 2000 | 3100 |
| 3056320 | 3320A | 100 | 215 | 82,6 | | 14,2 | 240 | 320 | 2000 | 3000 |
| 3056321 | 3321A | 105 | 225 | 87,3 | | 16,4 | 263 | 345 | 2000 | 3000 |
| 3056322 | 3322A | 110 | 240 | 92,1 | | 19,9 | 280 | 400 | 1800 | 2600 |
| | | | | | | | | | | |
| 3756205 | - | 25 | 52 | 20,6 | | 0,19 | 23,4 | 14 | 8000 | 10000 |
| 3756206 | - | 30 | 62 | 23,8 | | 0,35 | 33,7 | 20 | 6300 | 8000 |
| | | | | | | | | | | |
| 3086103 | - | 17 | 35 | 14 | | 0,061 | - | - | - | - |
| 3086106 | - | 30 | 55 | 19 | | 0,181 | - | - | - | - |
| 3086201 | - | 12 | 32 | 15,9 | | 0,0665 | - | - | - | - |
| 3086207 | 3207D | 35 | 72 | 27 | | 0,45 | 47 | 32,7 | 6300 | 8000 |
| 3086304 | 3304D | 20 | 52 | 22,2 | | 0,28 | 23,2 | 15 | 8000 | 10000 |
| 3086309 | 3309D | 45 | 100 | 39,7 | | 1,44 | 75 | 64 | 6300 | 8000 |
| 3086313 | 3313D | 65 | 140 | 58,7 | | 3,99 | 144 | 150 | 3200 | 4300 |
| 3086315 | 3315D | 75 | 160 | 68,3 | | 7,8 | 163 | 193 | 2800 | 3800 |
| | | | | | | | | | | |
| 286805 | - | 25 | 62 | 28 | | 0,517 | - | - | - | - |
| | | | | | | | | | | |
| 256068 | - | 10 | 30 | 14 | | 0,054 | - | - | - | - |
| 256801 | - | 12 | 82 | 30 | | 0,26 | 14,7 | 13,1 | 6000 | - |
| - | DAC255206 | 25 | 52 | 20,6 | | 0,19 | - | - | - | - |
| 256805 | DAC255223 | 25 | 52 | 23 | | 0,19 | 14,7 | 13,1 | 3500 | - |
| 256908 | DAC255530 | 25 | 55 | 30 | | 0,256 | 14,7 | 13,1 | 3500 | - |
| 256605 | DAC256234 | 25 | 62 | 34 | | 0,294 | 14,7 | 13,1 | 5000 | - |
| 256705 | DAC256228 | 25 | 62 | 28 | | 0,277 | 14,7 | 13,1 | 5000 | - |
| 256906 | DAC285842 | 28 | 58 | 42 | | 0,459 | 16,1 | 11,6 | 1500 | - |

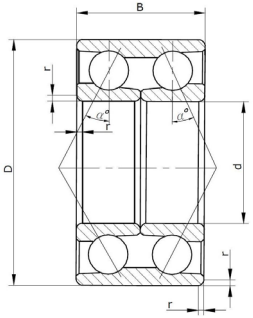
DESIGN OPTIONS СЕПА-

| | | |
|---|---|---|
| 3 056 000 | (3000 A) | - double-row preload with a channel for entering the balls |
| 3 086 000 | (3000 D) | - double-row with the releasable inner race |
| 256 000 | (DAC0000; 00BG00; 00BD00) | - double-row closed |

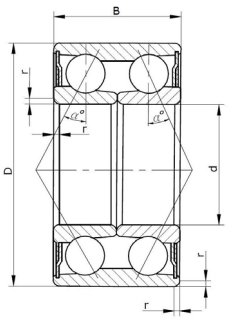
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of brass




**3 056 000 (3000 A)**




**3 086 000 (3000 D)**



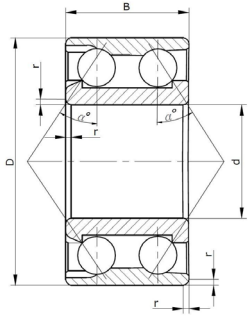

**256 000 (DAC0000; 00BG00; 00BD00)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | DAC305532 | 30 | 55 | 32 | | 0,32 | - | - | - | - |
| 256706 | DAC306037 | 30 | 60 | 37 | | 0,42 | 36,5 | 25,1 | 1500 | - |
| - | DAC306442 | 30 | 64 | 42 | | 0,55 | - | - | - | - |
| - | DAC346237 | 34 | 62 | 37 | | 0,41 | - | - | - | - |
| 256907 | DAC346437 | 34 | 64 | 37 | | 0,45 | 35 | 27,8 | 1500 | - |
| - | DAC346637 | 34 | 66 | 37 | | 0,5 | - | - | - | - |
| - | DAC356240 | 35 | 62 | 40 | | 0,45 | - | - | - | - |
| 256807 | DAC356437 | 35 | 64 | 37 | | 0,41 | 40 | 35 | 1500 | - |
| - | DAC356535 | 35 | 65 | 35 | | 0,4 | - | - | - | - |
| - | DAC356633 | 35 | 66 | 33 | | 0,43 | - | - | - | - |
| - | DAC356637 | 35 | 66 | 37 | | 0,48 | 40 | 35 | 1500 | - |
| 256707 | DAC356837 | 35 | 68 | 37 | | 0,52 | 40 | 32 | 1500 | - |
| - | DAC357233 | 35 | 72 | 33 | | 0,58 | - | - | - | - |
| - | DAC357234 | 35 | 72 | 34 | | 0,58 | - | - | - | - |
| - | DAC36720534 | 36 | 72,05 | 34 | | 0,58 | - | - | - | - |
| 256908 | DAC377237 | 37 | 72 | 37 | | 0,59 | 48,1 | 41 | 1500 | - |
| - | DAC387038 | 38 | 70 | 38 | | 0,55 | - | - | - | - |
| - | DAC387450 | 38 | 74 | 50 | | 0,78 | - | - | - | - |
| - | DAC396837 | 39 | 68 | 37 | | 0,48 | - | - | - | - |
| - | DAC397237 | 39 | 72 | 37 | | 0,56 | - | - | - | - |
| - | DAC407237 | 40 | 72 | 37 | | 0,55 | - | - | - | - |
| - | DAC407537 | 40 | 75 | 37 | | 0,62 | - | - | - | - |
| 256808 | DAC407440 | 40 | 74,048 | 40 | | 0,66 | 43,84 | 39,28 | 1500 | - |
| - | DAC407833/28 | 40 | 76 | 33/28 | | 0,54 | - | - | - | - |
| - | DAC408036/34 | 40 | 80 | 36/34 | | 0,74 | - | - | - | - |
| 256708 | DAC427537 | 42 | 75 | 37 | | 0,64 | 45,4 | 42,5 | 2500 | - |
| - | DAC428236 | 42 | 82 | 36 | | 0,77 | - | - | - | - |
| - | DAC428237 | 42 | 82 | 37 | | 0,79 | - | - | - | - |
| - | DAC428439 | 42 | 84 | 39 | | 0,93 | - | - | - | - |
| - | DAC458439 | 45 | 84 | 39 | | 0,98 | - | - | - | - |
| | | | | | | | | | | |
| - | 30BG05S5DS | 30 | 55 | 23 | | 0,19 | 21,5 | 15,2 | 13000 | - |
| - | 30BG05S2DS | 30 | 52 | 22 | | 0,132 | 20,6 | 14,3 | 13000 | - |
| - | 30BG04S8G | 30 | 47 | 18 | | 0,09 | 8,25 | 7,07 | 13600 | - |

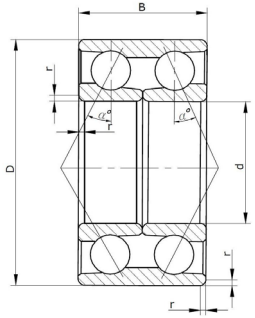
DESIGN OPTIONS СЕПА-

| | | |
|---|---|---|
| 3 056 000 | (3000 A) | - double-row preload with a channel for entering the balls |
| 3 086 000 | (3000 D) | - double-row with the releasable inner race |
| 256 000 | (DAC0000; 00BG00; 00BD00) | - double-row closed |

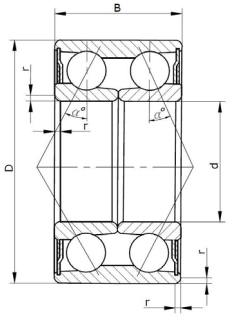
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- glassnylon composite cast;
- mechanically processed massive made of brass




**3 056 000 (3000 A)**

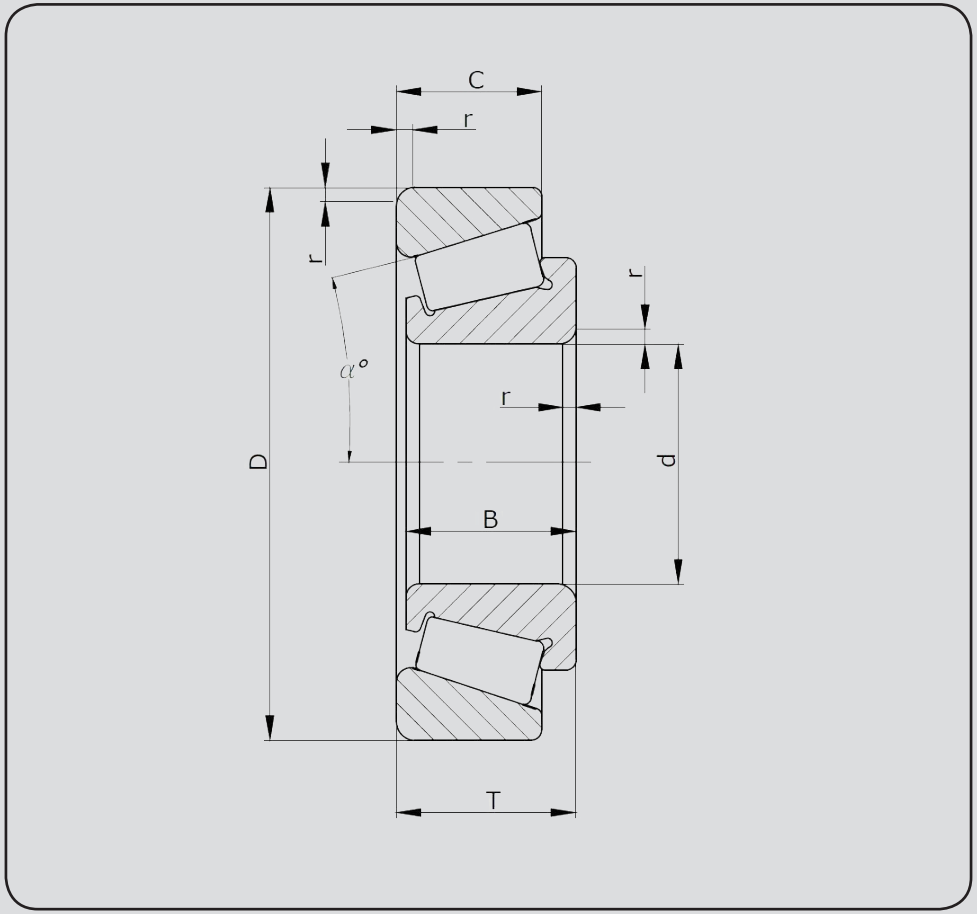



**3 086 000 (3000 D)**




**256 000 (DAC0000; 00BG00; 00BD00)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| - | 30BG04S13 | 30 | 47 | 22 | | 0,1 | 8,25 | 7,07 | 13600 | - |
| - | 32BD219V | 32 | 47 | 18 | | 0,084 | 8,26 | 7,08 | 12000 | - |
| - | 32BG05S1DST | 32 | 55 | 23 | | 0,187 | 17,83 | 13,98 | 11000 | - |
| - | 35BD219DU | 35 | 55 | 20 | | 0,155 | 8,72 | 7,7 | 10000 | - |
| - | 35BD5020DU | 35 | 50 | 20 | | 0,097 | 8,5 | 8,2 | 10000 | - |
| - | 35BD5222DUM18A | 35 | 52 | 22 | | 0,123 | 9,1 | 8,8 | 10000 | - |
| - | 35BD210DDV | 35 | 62 | 28 | | 0,223 | 11,2 | 9,8 | 9500 | - |
| - | 38BG05S6DST2 | 38 | 54 | 17 | | 0,098 | 9,6 | 9,1 | 10000 | - |
| - | 40BG511G-2DS | 40 | 62 | 24 | | 0,217 | 11,5 | 10 | 9000 | - |
| - | 40BG05S2DL | 40 | 57 | 24 | | 0,15 | 8,97 | 8,62 | 9000 | - |
| - | 40BD49V | 40 | 62 | 20,6 | | 0,189 | 11,5 | 10 | 9000 | - |
| - | 40BGS112DS | 40 | 62 | 24 | | 0,199 | 11,5 | 10 | 9000 | - |
| - | 40BG39DL | 40 | 66 | 24 | | 0,235 | 24,2 | 19,6 | 8000 | - |
| - | 40BD6830DUK | 40 | 68 | 30 | | 0,368 | 24,2 | 19,6 | 8000 | - |
| - | 40BG05S1DS | 40 | 57 | 24 | | 0,135 | 8,97 | 8,62 | 8000 | - |




# ROLLER CONICAL BEARINGS

**(TYPE BEARINGS «7»)**

**SINGLE-ROW** ..... **514**

**INCH SERIES** ..... **540**

**DOUBLE-ROW** ..... **554**

**DOUBLE-ROW CLOSED** ..... **568**

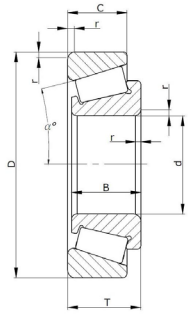
**FOUR-ROW** ..... **570**

**SINGLE-ROW WITH THE SPRING AT THE WIDE SIDE OF THE OUTER RACE** ..... **578**

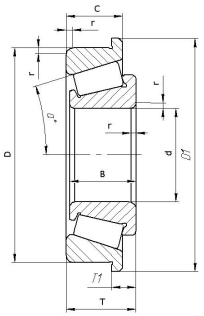
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …) (LM…, LH…)**



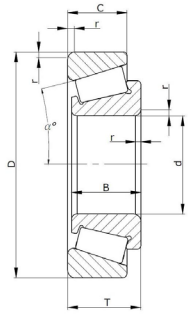

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7006 | L 45449/L 45410 | 29 | 50,292 | 14,224 | | 0,11 | 26 | 32 | 7000 | 10500 |
| 7007 | - | 36,51 | 80 | 29,37 | | 0,7 | - | - | - | - |
| 7009 | 25580/25520 | 44,45 | 82,93 | 23,81 | | 0,33 | 80 | 106 | 4500 | 6000 |
| | | | | | | | | | | |
| 7106 | M 86649/M 86610 | 30,16 | 64,29 | 21,43 | | 0,33 | 53 | 67 | 6000 | 8000 |
| 7107 | HM 89448/HM 89410 | 36,51 | 76,2 | 29,37 | | 0,61 | 80 | 108 | 4800 | 6300 |
| 7109 | LM 102949/LM 102910 | 45,23 | 79,98 | 19,84 | | 0,4 | 55 | 69,5 | 4500 | 6000 |
| | | | | | | | | | | |
| 7138 | - | 190 | 290 | 51 | | 11,8 | - | - | 1000 | 1250 |
| 7168 | - | 340 | 520 | 85 | | 57 | - | - | - | - |
| 7172 | - | 360 | 540 | 85 | | 60,8 | - | - | - | - |
| 7180 | - | 400 | 600 | 94 | | 84 | - | - | - | - |
| 7184 | - | 420 | 620 | 95 | | 86,8 | - | - | 315 | 400 |
| 7188 | - | 440 | 650 | 100,8 | | 102 | - | - | - | - |
| 7192 | - | 460 | 680 | 105 | | 117 | - | - | - | - |
| 71/500 | - | 500 | 720 | 110 | | 135 | - | - | 250 | 315 |
| 71/560 | - | 560 | 820 | 121 | | 194 | - | - | - | - |
| 71/600 | - | 600 | 870 | 124 | | 232 | - | - | 160 | 200 |
| 71/630 | - | 630 | 920 | 135 | | 278 | - | - | - | - |
| 71/710 | - | 710 | 1030 | 150 | | 387 | - | - | - | - |
| 71/800 | - | 800 | 1150 | 162 | | 498 | - | - | - | - |
| 71/900 | - | 900 | 1280 | 190 | | 703 | - | - | 80 | 125 |
| | | | | | | | | | | |
| 20071/22 A | 320/22X | 22 | 44 | 15 | | 0,107 | 23,8 | 16,6 | 8500 | 12000 |
| 20071/28 A | 320/28X | 28 | 52 | 16 | | 0,15 | 29,7 | 21,6 | 7000 | 9500 |
| 20071/32 A | 320/32X | 32 | 58 | 17 | | 0,193 | 34,7 | 26 | 6300 | 8500 |
| | | | | | | | | | | |
| 2007104 A | 32004 | 20 | 42 | 15 | | 0,101 | 22,9 | 15,6 | 9000 | 13000 |
| 2007105 A | 32005 | 25 | 47 | 15 | | 0,117 | 25,5 | 18,3 | 8000 | 11000 |
| 2007106 A | 32006 | 30 | 55 | 17 | | 0,175 | 33,6 | 24,5 | 6700 | 9000 |
| 2007107 A | 32007 | 35 | 62 | 18 | | 0,224 | 40,2 | 30,5 | 6000 | 8000 |
| 2007108 A | 32008 | 40 | 68 | 19 | | 0,278 | 49,5 | 40 | 5300 | 7000 |
| 2007109 A | 32009 | 45 | 75 | 20 | | 0,354 | 55 | 44 | 4800 | 6300 |
| 2007110 A | 32010 | 50 | 80 | 20 | | 0,384 | 57,2 | 48 | 4300 | 5600 |

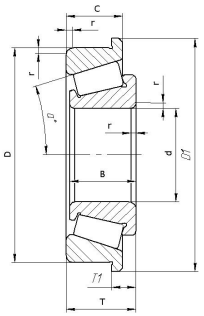
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



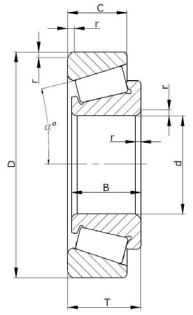

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2007111 A | 32011 | 55 | 90 | 23 | | 0,57 | 76,5 | 64 | 3800 | 5000 |
| 2007112 A | 32012 | 60 | 95 | 23 | | 0,605 | 76,5 | 67 | 3600 | 4800 |
| 2007113 A | 32013 | 65 | 100 | 23 | | 0,642 | 78,1 | 68 | 3400 | 4500 |
| 2007114 A | 32014 | 70 | 110 | 25 | | 0,875 | 95,2 | 83 | 3000 | 4000 |
| 2007115 A | 32015 | 75 | 115 | 25 | | 0,921 | 99 | 88 | 3000 | 4000 |
| 2007116 A | 32016 | 80 | 125 | 29 | | 1,29 | 128 | 116 | 2600 | 3600 |
| 2007117 A | 32017 | 85 | 130 | 29 | | 1,35 | 130 | 120 | 2600 | 3600 |
| 2007118 A | 32018 | 90 | 140 | 32 | | 1,76 | 157 | 146 | 2400 | 3400 |
| 2007119 A | 32019 | 95 | 145 | 32 | | 1,85 | 157 | 146 | 2200 | 3200 |
| 2007120 A | 32020 | 100 | 150 | 32 | | 1,92 | 161 | 158 | 2200 | 3200 |
| 2007121 A | 32021 | 105 | 160 | 35 | | 2,44 | 190 | 180 | 2000 | 3000 |
| 2007122 A | 32022 | 110 | 170 | 38 | | 3,09 | 220 | 208 | 1900 | 2800 |
| 2007124 A | 32024 | 120 | 180 | 38 | | 3,32 | 229 | 224 | 1800 | 2600 |
| 2007126 A | 32026 | 130 | 200 | 45 | | 5,05 | 297 | 290 | 1600 | 2200 |
| 2007128 A | 32028 | 140 | 210 | 45 | | 5,37 | 308 | 310 | 1500 | 2000 |
| 2007130 A | 32030 | 150 | 225 | 48 | | 6,55 | 347 | 355 | 1400 | 1900 |
| 2007132 A | 32032 | 160 | 240 | 51 | | 7,86 | 402 | 425 | 1300 | 1800 |
| 2007134 A | 32034 | 170 | 260 | 57 | | 10,6 | 473 | 490 | 1200 | 1700 |
| 2007136 A | 32036 | 180 | 280 | 64 | | 14,1 | 605 | 630 | 1100 | 1600 |
| 2007138 A | 32038 | 190 | 290 | 64 | | 14,8 | 616 | 655 | 1100 | 1600 |
| 2007140 A | 32040 | 200 | 310 | 70 | | 19,1 | 704 | 750 | 1000 | 1500 |
| 2007144 A | 32044 | 220 | 340 | 76 | | 24,7 | 842 | 900 | 950 | 1400 |
| 2007148 A | 32048 | 240 | 360 | 76 | | 26,3 | 858 | 965 | 850 | 1200 |
| 2007152 A | 32052 | 260 | 400 | 87 | | 40 | 1100 | 1200 | 800 | 1100 |
| 2007156 A | 32056 | 280 | 420 | 87 | | 41,2 | 1120 | 1270 | 750 | 1000 |
| 2007160 A | 32060 | 300 | 460 | 100 | | 55,9 | 1490 | 2830 | 670 | 900 |
| 2007164 A | 32064 | 320 | 480 | 100 | | 64 | 1450 | 3100 | 630 | 850 |
| | | | | | | | | | | |
| 3007105 A | 33005 | 25 | 47 | 17 | | 0,134 | 32,5 | 40,5 | 8000 | 11000 |
| 3007106 A | 33006 | 30 | 55 | 20 | | 0,21 | 42,25 | 54 | 6900 | 9200 |
| 3007107 A | 33007 | 35 | 62 | 21 | | 0,269 | 50,5 | 66,5 | 6100 | 8100 |
| 3007108 A | 33008 | 40 | 68 | 22 | | 0,329 | 59,5 | 82,5 | 5300 | 7100 |
| 3007109 A | 33009 | 45 | 75 | 24 | | 0,421 | 66 | 93,5 | 4800 | 6400 |
| 3007110 A | 33010 | 50 | 80 | 24 | | 0,457 | 64,4 | 56 | 4300 | 5600 |

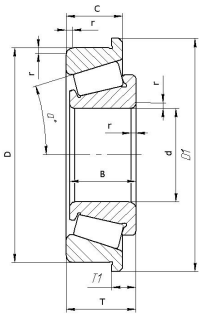
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



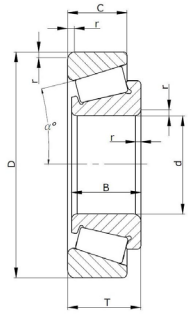

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3007111 A | 33011 | 55 | 90 | 27 | | 0,67 | 84,2 | 75 | 4000 | 5300 |
| 3007112 A | 33012 | 60 | 95 | 27 | | 0,71 | 85,8 | 78 | 3800 | 5000 |
| 3007113 A | 33013 | 65 | 100 | 27 | | 0,775 | 91,3 | 83 | 3400 | 4500 |
| 3007114 A | 33014 | 70 | 110 | 31 | | 1,12 | 121 | 108 | 3000 | 4000 |
| 3007115 A | 33015 | 75 | 115 | 31 | | 1,17 | 128 | 122 | 2800 | 3800 |
| 3007116 A | 33016 | 80 | 125 | 36 | | 1,65 | 157 | 153 | 2600 | 3600 |
| 3007117 A | 33017 | 85 | 130 | 36 | | 1,73 | 172 | 166 | 2400 | 3400 |
| 3007118 A | 33018 | 90 | 140 | 39 | | 2,25 | 205 | 196 | 2200 | 3200 |
| 3007119 A | 33019 | 95 | 145 | 39 | | 2,34 | 209 | 200 | 2200 | 3200 |
| 3007120 A | 33020 | 100 | 150 | 39 | | 2,43 | 212 | 208 | 2000 | 3000 |
| 3007121 A | 33021 | 105 | 160 | 43 | | 3,06 | 233 | 232 | 1900 | 2800 |
| 3007122 A | 33022 | 110 | 170 | 47 | | 3,87 | 264 | 270 | 1800 | 2600 |
| 3007124 A | 33024 | 120 | 180 | 48 | | 4,22 | 270 | 290 | 1800 | 2600 |
| 3007126 A | 33026 | 130 | 200 | 55 | | 6,32 | 314 | 540 | 1700 | 2300 |
| 3007128 A | 33028 | 140 | 210 | 56 | | 6,75 | 330 | 585 | 1600 | 2200 |
| 3007130 A | 33030 | 150 | 225 | 59 | | 8,26 | 457 | 865 | 1500 | 2000 |
| | | | | | | | | | | |
| 7202 A | 30202 | 15 | 35 | 11,75 | | 0,055 | 12,2 | 11,4 | 12000 | 17000 |
| 7203 A | 30203 | 17 | 40 | 12 | | 0,081 | 17,9 | 12 | 10000 | 15000 |
| 7204 A | 30204 | 20 | 47 | 14 | | 0,128 | 26 | 16,6 | 8500 | 12000 |
| 7205 A | 30205 | 25 | 52 | 15 | | 0,157 | 29,2 | 21 | 7500 | 10000 |
| 7206 A | 30206 | 30 | 62 | 16 | | 0,24 | 38 | 25,5 | 6300 | 8500 |
| 7207 A | 30207 | 35 | 72 | 17 | | 0,34 | 48,4 | 32,5 | 5300 | 7000 |
| 7208 A | 30208 | 40 | 80 | 18 | | 0,435 | 58,3 | 40 | 4800 | 6300 |
| 7209 A | 30209 | 45 | 85 | 19 | | 0,499 | 62,7 | 50 | 4300 | 5600 |
| 7210 A | 30210 | 50 | 90 | 20 | | 0,566 | 70,4 | 55 | 4000 | 5300 |
| 7211 A | 30211 | 55 | 100 | 21 | | 0,732 | 84,2 | 61 | 3600 | 4800 |
| 7212 A | 30212 | 60 | 110 | 22 | | 0,931 | 91,3 | 70 | 3400 | 4500 |
| 7213 A | 30213 | 65 | 120 | 23 | | 1,17 | 108 | 78 | 3000 | 4000 |
| 7214 A | 30214 | 70 | 125 | 24 | | 1,3 | 119 | 89 | 2800 | 3800 |
| 7215 A | 30215 | 75 | 130 | 25 | | 1,41 | 130 | 100 | 2800 | 3800 |
| 7216 A | 30216 | 80 | 140 | 26 | | 1,7 | 140 | 114 | 2600 | 3600 |
| 7217 A | 30217 | 85 | 150 | 28 | | 2,14 | 165 | 134 | 2400 | 3400 |
| 7218 A | 30218 | 90 | 160 | 30 | | 2,62 | 183 | 150 | 2200 | 3200 |

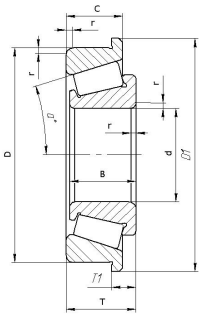
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



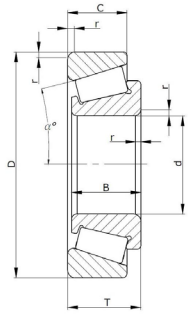

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7219 A | 30219 | 95 | 170 | 32 | | 3,16 | 205 | 156 | 2000 | 3000 |
| 7220 A | 30220 | 100 | 180 | 34 | | 3,81 | 233 | 190 | 2000 | 3000 |
| 7221 A | 30221 | 105 | 190 | 36 | | 4,49 | 255 | 200 | 1900 | 2800 |
| 7222 A | 30222 | 110 | 200 | 38 | | 5,32 | 286 | 228 | 1800 | 2600 |
| 7224 A | 30224 | 120 | 215 | 40 | | 6,33 | 319 | 260 | 1600 | 2200 |
| 7226 A | 30226 | 130 | 230 | 40 | | 7,15 | 347 | 280 | 1500 | 2000 |
| 7228 A | 30228 | 140 | 250 | 42 | | 9,05 | 396 | 325 | 1400 | 1900 |
| 7230 A | 30230 | 150 | 270 | 45 | | 11,3 | 402 | 320 | 1300 | 1800 |
| 7232 A | 30232 | 160 | 290 | 48 | | 13,8 | 495 | 415 | 1200 | 1700 |
| 7234 A | 30234 | 170 | 310 | 52 | | 19 | 572 | 490 | 1000 | 1500 |
| 7236 A | 30236 | 180 | 320 | 52 | | 20 | 550 | 465 | 1000 | 1500 |
| 7238 A | 30238 | 190 | 340 | 55 | | 24 | 671 | 570 | 950 | 1400 |
| 7240 A | 30240 | 200 | 360 | 58 | | 25,6 | 737 | 630 | 900 | 1300 |
| 7244 A | 30244 | 220 | 400 | 65 | | 33,3 | 990 | 1400 | 900 | 1300 |
| 7248 A | 30248 | 240 | 440 | 72 | | 45,533 | 1230 | 1790 | 850 | 1100 |
| | | | | | | | | | | |
| 30072/28 A | 332/28 | 28 | 58 | 24 | | 0,299 | 57,6 | 69,5 | 7000 | 9300 |
| 30072/32 A | 332/32 | 32 | 65 | 26 | | 0,413 | 71,8 | 86,9 | 6200 | 8300 |
| | | | | | | | | | | |
| 3007205 A | 33205 | 25 | 52 | 22 | | 0,23 | 44 | 32,5 | 7500 | 10000 |
| 3007206 A | 33206 | 30 | 62 | 25 | | 0,365 | 60,5 | 45,5 | 6000 | 8000 |
| 3007207 A | 33207 | 35 | 72 | 28 | | 0,555 | 79,2 | 62 | 5300 | 7000 |
| 3007208 A | 33208 | 40 | 80 | 32 | | 0,765 | 96,8 | 78 | 4500 | 6000 |
| 3007209 A | 33209 | 45 | 85 | 32 | | 0,823 | 101 | 81,5 | 4300 | 5600 |
| 3007210 A | 33210 | 50 | 90 | 32 | | 0,895 | 108 | 90 | 3800 | 5000 |
| 3007211 A | 33211 | 55 | 100 | 35 | | 1,21 | 130 | 108 | 3600 | 4800 |
| 3007212 A | 33212 | 60 | 110 | 38 | | 1,61 | 157 | 134 | 3200 | 4300 |
| 3007213 A | 33213 | 65 | 120 | 41 | | 2,06 | 183 | 153 | 3000 | 4000 |
| 3007214 A | 33214 | 70 | 125 | 41 | | 2,17 | 190 | 163 | 2800 | 3800 |
| 3007215 A | 33215 | 75 | 130 | 41 | | 2,27 | 194 | 170 | 2600 | 3600 |
| 3007216 A | 33216 | 80 | 140 | 46 | | 3,02 | 233 | 208 | 2400 | 3400 |
| 3007217 A | 33217 | 85 | 150 | 49 | | 3,7 | 270 | 240 | 2200 | 3200 |
| 3007218 A | 33218 | 90 | 160 | 55 | | 4,8 | 343 | 527 | 2200 | 3000 |
| 3007219 A | 33219 | 95 | 170 | 58 | | 5,68 | 374 | 582 | 2000 | 2900 |

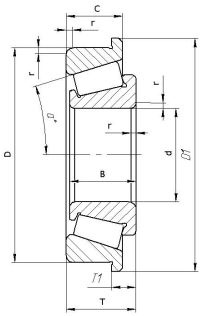
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



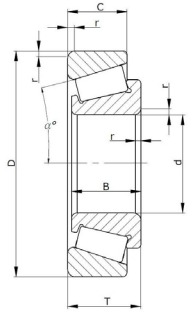

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3007220 A | 33220 | 100 | 180 | 63 | | 6,97 | 402 | 375 | 1900 | 2800 |
| 3007221 A | 33221 | 105 | 190 | 68 | | 8,38 | 497 | 790 | 1600 | 2600 |
| | | | | | | | | | | |
| 7302 A | 30302 | 15 | 42 | 13 | | 0,099 | 21,2 | 12,7 | 9000 | 13000 |
| 7303 A | 30303 | 17 | 47 | 14 | | 0,133 | 26 | 16 | 8500 | 12000 |
| 7304 A | 30304 | 20 | 52 | 15 | | 0,174 | 31,9 | 20 | 8000 | 11000 |
| 7305 A | 30305 | 25 | 62 | 17 | | 0,273 | 41,8 | 28 | 6700 | 9000 |
| 7306 A | 30306 | 30 | 72 | 19 | | 0,406 | 52,8 | 39 | 5600 | 7500 |
| 7307 A | 30307 | 35 | 80 | 21 | | 0,541 | 68,2 | 50 | 5000 | 6700 |
| 7308 A | 30308 | 40 | 90 | 23 | | 0,769 | 80,9 | 56 | 4500 | 6000 |
| 7309 A | 30309 | 45 | 100 | 25 | | 1,02 | 101 | 72 | 4000 | 5300 |
| 7310 A | 30310 | 50 | 110 | 27 | | 1,31 | 117 | 90 | 3600 | 4800 |
| 7311 A | 30311 | 55 | 120 | 29 | | 1,67 | 134 | 110 | 3200 | 4300 |
| 7312 A | 30312 | 60 | 130 | 31 | | 2,06 | 161 | 120 | 3000 | 4000 |
| 7313 A | 30313 | 65 | 140 | 33 | | 2,55 | 183 | 150 | 2600 | 3600 |
| 7314 A | 30314 | 70 | 150 | 35 | | 3,09 | 209 | 170 | 2400 | 3400 |
| 7315 A | 30315 | 75 | 160 | 37 | | 3,68 | 229 | 185 | 2200 | 3200 |
| 7316 A | 30316 | 80 | 170 | 39 | | 4,41 | 255 | 190 | 2000 | 3000 |
| 7317 A | 30317 | 85 | 180 | 41 | | 5,13 | 286 | 216 | 1900 | 2800 |
| 7318 A | 30318 | 90 | 190 | 43 | | 5,93 | 308 | 236 | 1800 | 2600 |
| 7319 A | 30319 | 95 | 200 | 45 | | 6,92 | 341 | 265 | 1800 | 2600 |
| 7320 A | 30320 | 100 | 215 | 47 | | 8,47 | 380 | 290 | 1700 | 2400 |
| 7321 A | 30321 | 105 | 225 | 49 | | 9,66 | 402 | 315 | - | - |
| 7322 A | 30322 | 110 | 240 | 50 | | 12,5 | 446 | 345 | 1600 | 2200 |
| 7324 A | 30324 | 120 | 260 | 55 | | 14,5 | 528 | 415 | 1500 | 2000 |
| 7326 A | 30326 | 130 | 280 | 58 | | 17,7 | 594 | 475 | 1300 | 1800 |
| 7328 A | 30328 | 140 | 300 | 62 | | 21 | 693 | 560 | 1200 | 1700 |
| 7330 A | 30330 | 150 | 320 | 65 | | 28 | 765 | 630 | 1100 | 1600 |
| 7332 A | 30332 | 160 | 340 | 68 | | 30,3 | 858 | 695 | 1000 | 1500 |
| 7334 A | 30334 | 170 | 360 | 72 | | 36,6 | 968 | 800 | 950 | 1400 |
| 7336 A | 30336 | 180 | 380 | 75 | | 41,57 | 901 | 1100 | 940 | 1300 |
| 7352 A | 30352 | 260 | 540 | 109 | | 108,8 | 1852 | 2591 | 640 | 800 |
| | | | | | | | | | | |
| 2007405 | L 44643 / L 44610 | 25,5 | 50,292 | 14,224 | | 0,13 | 23,8 | 26,5 | 7500 | 9000 |

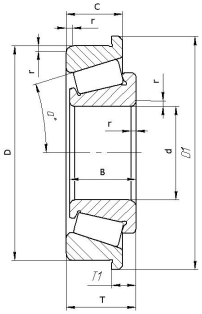
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …) (LM…, LH…)**



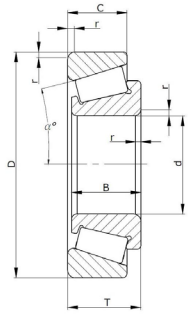

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2007406 | L 44649 / L 44610 | 26,988 | 50,292 | 14,224 | | 0,11 | 24 | 27 | 7500 | 9000 |
| 2007407 | L 68149 / L 68111 | 34,988 | 59,974 | 15,875 | | 0,17 | 30,6 | 39,6 | 5600 | 7400 |
| | | | | | | | | | | |
| 7505 A | 32205 | 25 | 52 | 18 | | 0,18 | 34,1 | 25 | 7000 | 9500 |
| 7506 A | 32206 | 30 | 62 | 20 | | 0,3 | 47,3 | 37 | 6300 | 8500 |
| 7507 A | 32207 | 35 | 72 | 23 | | 0,458 | 61,6 | 45 | 5300 | 7000 |
| 7508 A | 32208 | 40 | 80 | 23 | | 0,56 | 70,4 | 50 | 4800 | 6300 |
| 7509 A | 32209 | 45 | 85 | 23 | | 0,598 | 74,8 | 60 | 4500 | 6000 |
| 7510 A | 32210 | 50 | 90 | 23 | | 0,644 | 76,5 | 64 | 4300 | 5600 |
| 7511 A | 32211 | 55 | 100 | 25 | | 0,878 | 99 | 80 | 3800 | 5100 |
| 7512 A | 32212 | 60 | 110 | 28 | | 1,2 | 120 | 100 | 3400 | 4500 |
| 7513 A | 32213 | 65 | 120 | 31 | | 1,58 | 142 | 120 | 3000 | 4000 |
| 7514 A | 32214 | 70 | 125 | 31 | | 1,68 | 147 | 118 | 2800 | 3800 |
| 7515 A | 32215 | 75 | 130 | 31 | | 1,76 | 157 | 130 | 2600 | 3600 |
| 7516 A | 32216 | 80 | 140 | 33 | | 2,18 | 176 | 155 | 2400 | 3400 |
| 7517 A | 32217 | 85 | 150 | 36 | | 2,75 | 201 | 180 | 2200 | 3200 |
| 7518 A | 32218 | 90 | 160 | 40 | | 3,49 | 238 | 193 | 2000 | 3000 |
| 7519 A | 32219 | 95 | 170 | 43 | | 4,32 | 264 | 220 | 1900 | 2800 |
| 7520 A | 32220 | 100 | 180 | 46 | | 5,21 | 297 | 280 | 1800 | 2600 |
| 7521 A | 32221 | 105 | 190 | 50 | | 6,38 | 341 | 290 | 1800 | 2600 |
| 7522 A | 32222 | 110 | 200 | 53 | | 7,43 | 374 | 325 | 1700 | 2400 |
| 7524 A | 32224 | 120 | 215 | 58 | | 9,42 | 440 | 390 | 1600 | 2200 |
| 7526 A | 32226 | 130 | 230 | 64 | | 11,7 | 523 | 475 | 1500 | 2000 |
| 7528 A | 32228 | 140 | 250 | 68 | | 14,5 | 605 | 560 | 1400 | 1900 |
| 7530 A | 32230 | 150 | 270 | 73 | | 18,5 | 682 | 640 | 1200 | 1700 |
| 7532 A | 32232 | 160 | 290 | 80 | | 25,5 | 825 | 780 | 1100 | 1600 |
| 7534 A | 32234 | 170 | 310 | 86 | | 29,4 | 952 | 915 | 1000 | 1500 |
| 7536 A | 32236 | 180 | 320 | 86 | | 30,7 | 935 | 915 | 950 | 1400 |
| 7538 A | 32238 | 190 | 340 | 92 | | 36,7 | 1190 | 1930 | 900 | 1300 |
| 7540 A | 32240 | 200 | 360 | 98 | | 44,1 | 1140 | 1120 | - | - |
| 7544 A | 32244 | 220 | 400 | 108 | | 58,4 | 1610 | 2700 | 800 | 1100 |
| 7548 A | 32248 | 240 | 440 | 120 | | 81,5 | 1940 | 3350 | 750 | 1000 |
| | | | | | | | | | | |
| 7603 A | 32303 | 17 | 47 | 19 | | 0,181 | 33 | 21,2 | 9400 | 13000 |

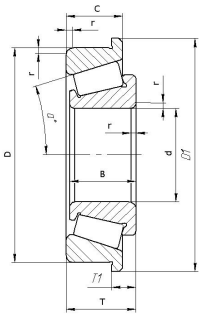
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



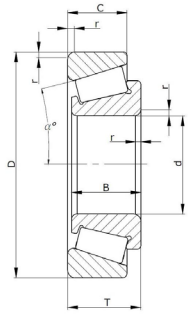

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7604 A | 32304 | 20 | 52 | 21 | | 0,245 | 41,3 | 28 | 7500 | 10000 |
| 7605 A | 32305 | 25 | 62 | 24 | | 0,383 | 56,1 | 390 | 6000 | 8000 |
| 7606 A | 32306 | 30 | 72 | 27 | | 0,503 | 72,1 | 55 | 5300 | 7000 |
| 7607 A | 32307 | 35 | 80 | 31 | | 0,786 | 88 | 73 | 4500 | 6000 |
| 7608 A | 32308 | 40 | 90 | 33 | | 1,08 | 110 | 85 | 4000 | 5300 |
| 7609 A | 32309 | 45 | 100 | 36 | | 1,48 | 132 | 113 | 3600 | 4800 |
| 7610 A | 32310 | 50 | 110 | 40 | | 1,96 | 161 | 135 | 3200 | 4300 |
| 7611 A | 32311 | 55 | 120 | 43 | | 2,46 | 187 | 153 | 2800 | 3800 |
| 7612 A | 32312 | 60 | 130 | 46 | | 3,05 | 216 | 178 | 2600 | 3600 |
| 7613 A | 32313 | 65 | 140 | 48 | | 3,4 | 246 | 220 | 2400 | 3400 |
| 7614 A | 32314 | 70 | 150 | 51 | | 4,53 | 279 | 232 | 2200 | 3200 |
| 7615 A | 32315 | 75 | 160 | 55 | | 5,54 | 319 | 260 | 2000 | 3000 |
| 7616 A | 32316 | 80 | 170 | 58 | | 6,6 | 370 | 320 | 1900 | 2800 |
| 7617 A | 32317 | 85 | 180 | 60 | | 7,57 | 380 | 320 | 1800 | 2600 |
| 7618 A | 32318 | 90 | 190 | 64 | | 9,06 | 429 | 375 | 1700 | 2400 |
| 7619 A | 32319 | 95 | 200 | 67 | | 11 | 468 | 400 | 1700 | 2400 |
| 7620 A | 32320 | 100 | 215 | 73 | | 13,1 | 539 | 450 | 1600 | 2200 |
| 7621 A | 32321 | 105 | 225 | 77 | | 16,5 | 561 | 480 | 1500 | 2000 |
| 7622 A | 32322 | 110 | 240 | 80 | | 17,9 | 660 | 600 | 1400 | 1900 |
| 7624 A | 32324 | 120 | 260 | 86 | | 22,4 | 748 | 700 | 1300 | 1800 |
| 7634 A | 32334 | 170 | 360 | 127 | | 58 | 1310 | 1830 | 1000 | 1300 |
| | | | | | | | | | | |
| 7703 | LM 11749/LM 11710 | 17,462 | 39,878 | 13,843 | | 0,084 | 22,9 | 23,4 | 9000 | 13000 |
| 7705 | - | 28 | 67 | 20,5 | | 0,38 | 52,5 | 39,7 | - | - |
| 7706 | 302/28 | 28 | 58 | 17,25 | | 0,2 | 38,8 | 42 | 7000 | 9300 |
| 7707 | - | 33 | 62 | 16 | | 0,22 | 36 | 26,7 | - | - |
| 7709 | 30309 | 45 | 100 | 27,5 | | 1,06 | 112 | 127 | 3800 | 5000 |
| 7710 | - | 50 | 82 | 21,5 | | 0,427 | 67,1 | 57,1 | - | - |
| 7712 | - | 60 | 120 | 45,5 | | 2,36 | 207 | 280 | - | 3800 |
| 7714 | - | 70 | 120 | 45,5 | | 1,93 | 139 | 198 | - | 3600 |
| 7717 | - | 85,025 | 200,025 | 52,2 | | 7,54 | - | - | - | - |
| 7718 | - | 90 | 160 | 49,5 | | 4,18 | 276 | 405 | - | 2700 |
| 7721 | - | 105 | 215 | 77,5 | | 12,7 | 608 | 836 | - | 2100 |
| 7723 | - | 115 | 190 | 48,5 | | 5,2 | 292 | 464 | - | 2200 |

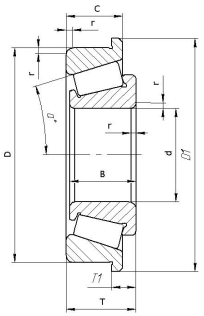
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



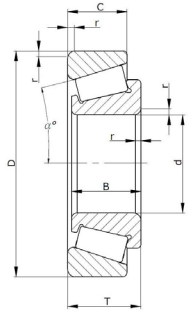

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7724 | - | 120 | 175 | 38 | | 2,87 | - | - | - | - |
| 7728 | - | 140 | 225 | 37,25 | | 5,6 | 189 | 347 | - | 1780 |
| 7730 | - | 150 | 254 | 66,3 | | 12,6 | 489 | 758 | - | 1700 |
| 7736 | - | 180 | 290 | 64,5 | | 15,8 | 544 | 934 | - | 1400 |
| 7746 | - | 230 | 355,6 | 71,75 | | 22 | 676 | 1125 | - | 1100 |
| 7754 | - | 270 | 310 | 22 | | 2,43 | 132 | 240 | 700 | 1200 |
| 7757 | - | 285 | 330 | 24 | | 3,16 | 157 | 415 | - | 1000 |
| 7760 | - | 300 | 500 | 89,25 | | 67,1 | 1203 | 2007 | - | 650 |
| 7772 | - | 360 | 530 | 79,25 | | 52,3 | 959 | 1636 | - | - |
| 7784 | - | 420 | 620 | 94,25 | | 86,2 | 1408 | 2699 | - | - |
| 77/520 | - | 520 | 740 | 95 | | 118 | 1561 | 3304 | - | - |
| 77/560 | - | 560 | 820 | 140 | | 231 | 2963 | 5788 | - | - |
| 77/1400 | - | 1400 | 1820 | 278 | | 1931 | 12995 | 38977 | - | - |
| 77/1500 | - | 1500 | 1950 | 298,5 | | 2432 | 15990 | 47834 | - | - |
| | | | | | | | | | | |
| 1007706 | 15123 / 15245 | 31,75 | 62 | 18,16 | | 0,24 | 48 | 57 | 6000 | 8000 |
| 1007760 | - | 300 | 500 | 94,25 | | 68,3 | 1326 | 2166 | - | - |
| 1007768 | - | 340 | 580 | 112 | | 105 | 1807 | 2912 | - | - |
| 1007776 | - | 380 | 620 | 111 | | 114 | 1768 | 2911 | - | - |
| 1007780 | - | 400 | 650 | 116 | | 146 | 2357 | 3974 | - | - |
| 1007784 | - | 420 | 700 | 129,25 | | 188 | 2656 | 4672 | - | - |
| 1007796 | - | 480 | 790 | 141 | | 259 | 3265 | 5879 | - | - |
| 10077/500 | - | 500 | 830 | 150 | | 305 | 3698 | 6615 | - | - |
| 10077/670 | - | 670 | 1090 | 192 | | 630 | 6179 | 11716 | - | - |
| | | | | | | | | | | |
| 2007706 | - | 31,75 | 58,738 | 16,3 | | 0,197 | 28 | 35 | - | 8800 |
| 2007724 | - | 120 | 200 | 51,5 | | 5,49 | 315 | 469 | - | 2300 |
| 2007726 | - | 130 | 210 | 51,5 | | 6,5 | 349 | 548 | - | 2150 |
| 2007730 | - | 150 | 250 | 60,5 | | 11,88 | 489 | 758 | - | 1800 |
| 2007732 | - | 160 | 270 | 69,25 | | 16,5 | 584 | 960 | - | 1700 |
| 2007736 | - | 180 | 300 | 75,5 | | 20,3 | 704 | 1170 | - | 1500 |
| 2007738 | - | 190 | 320 | 81,25 | | 24,7 | 735 | 1197 | - | 1400 |
| 2007740 | - | 200 | 340 | 82,25 | | 29,7 | 914 | 1521 | - | 1300 |
| 2007744 | - | 220 | 370 | 91,25 | | 36,2 | 1030 | 1700 | - | 1200 |

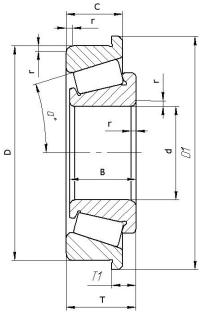
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



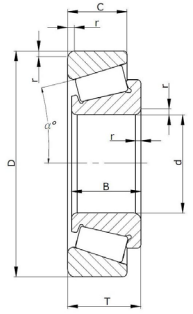

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2007748 | - | 240 | 400 | 98,25 | | 45,8 | 1130 | 1920 | - | 1100 |
| 2007752 | - | 260 | 440 | 108,25 | | 62 | 1410 | 2330 | - | 1000 |
| | | | | | | | | | | |
| 3007708 A | 33108 | 40 | 75 | 26 | | 0,512 | 74,8 | 58,5 | 5000 | 6700 |
| 3007709 A | 33109 | 45 | 80 | 26 | | 0,559 | 79,2 | 64 | 4500 | 6000 |
| 3007710 A | 33110 | 50 | 85 | 26 | | 0,598 | 80,9 | 67 | 4300 | 5600 |
| 3007711 A | 33111 | 55 | 95 | 30 | | 0,88 | 105 | 86 | 3800 | 5000 |
| 3007712 A | 33112 | 60 | 100 | 30 | | 0,935 | 110 | 95 | 3600 | 4800 |
| 3007713 A | 33113 | 65 | 110 | 34 | | 1,32 | 134 | 116 | 3200 | 4300 |
| 3007714 A | 33114 | 70 | 120 | 37 | | 1,73 | 161 | 140 | 3000 | 4000 |
| 3007715 A | 33115 | 75 | 125 | 37 | | 1,82 | 165 | 146 | 2800 | 3800 |
| 3007716 A | 33116 | 80 | 130 | 37 | | 1,93 | 168 | 153 | 2600 | 3600 |
| 3007717 A | 33117 | 85 | 140 | 41 | | 2,5 | 205 | 190 | 2400 | 3400 |
| 3007718 A | 33118 | 90 | 150 | 45 | | 3,2 | 238 | 220 | 2000 | 3000 |
| 3007719 A | 33119 | 95 | 160 | 49 | | 4,03 | 304 | 473 | 2300 | 3100 |
| 3007720 A | 33120 | 100 | 165 | 52 | | 4,45 | 325 | 523 | 2200 | 3000 |
| 3007721 A | 33121 | 105 | 175 | 56 | | 5,44 | 360 | 607 | 2100 | 2800 |
| 3007722 A | 33122 | 110 | 180 | 56 | | 5,63 | 347 | 634 | 2000 | 2700 |
| 3007724 A | 33124 | 120 | 200 | 62 | | 7,85 | 462 | 785 | 1800 | 2400 |
| | | | | | | | | | | |
| 7804 | LM11949/910 | 19,05 | 45,25 | 15,494 | | 0,13 | 26 | 25,9 | 9000 | 11000 |
| 7805 | - | 26 | 57,15 | 17,462 | | 0,23 | 37,8 | 42,8 | 6800 | 8000 |
| 7806 | - | 32 | 72 | 29,75 | | 0,32 | 55 | 65 | 5100 | 6700 |
| 7807 | - | 34,938 | 73,03 | 26,987 | | 0,54 | 72 | 80 | 5000 | 6600 |
| 7809 | - | 45 | 90 | 38,25 | | 1,14 | 129 | 164,6 | 4300 | 5100 |
| 7810 | - | 52,388 | 92,075 | 24,608 | | 0,65 | 90,8 | 74,8 | - | - |
| 7814 | - | 70 | 115 | 35 | | 1,47 | 200 | 270 | 2500 | 4000 |
| 7815 | - | 75 | 135 | 44,25 | | 2,72 | 215 | 321 | 2700 | 3200 |
| 7818 | - | 90 | 170 | 61,5 | | 6,84 | 366 | 537 | 2100 | 2600 |
| 7821 | - | 105 | 180 | 49 | | 5 | 296 | 435 | 1900 | 2400 |
| 7824 | - | 120 | 180 | 41 | | 3,4 | 287 | 449 | 1800 | 2300 |
| 7828 | - | 140 | 300 | 89,25 | | 27,5 | 642 | 884 | 1200 | 1500 |
| 7832 | - | 160 | 375 | 86,55 | | 39,6 | 844 | 1019 | 800 | 1050 |
| 7841 | - | 205 | 485 | 116,75 | | 85,9 | 1161 | 1616 | 750 | 900 |

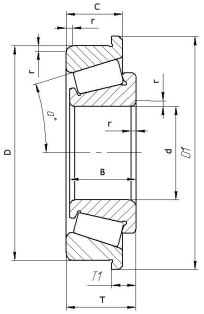
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



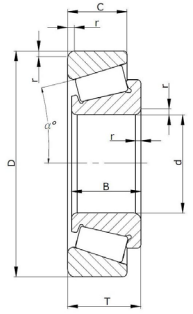

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7846 | - | 228,6 | 400,05 | 88,9 | | 42,87 | - | - | - | - |
| 7851 | BT1B 328213 | 255 | 560 | 123,05 | | 128 | 1578 | 2373 | 580 | 650 |
| 7860 | - | 300 | 440 | 72,25 | | 31 | 692 | 1177 | 700 | 850 |
| 7866 | - | 330 | 375 | 24 | | 3,53 | 169 | 481 | 630 | 800 |
| 7876 | - | 380 | 440 | 31 | | 6,83 | 247 | 355,6 | - | - |
| | | | | | | | | | | |
| 1007806 | - | 31,75 | 69,01 | 19,84 | | 0,36 | - | - | - | - |
| 10078/530 | 318/530 | 530 | 670 | 100 | | 81,6 | 1590 | 4500 | 340 | 450 |
| 10078/850 | 318/850 | 850 | 1030 | 90 | | 141,2 | 2200 | 5900 | 200 | 300 |
| 20078/850 | - | 850 | 1030 | 106 | | 175 | 2607 | 7359 | 200 | 300 |
| 20078/1320 | - | 1320 | 1600 | 176,5 | | 719 | 6332 | 20560 | 120 | 170 |
| | | | | | | | | | | |
| 7905 | L 44643 / L 44610 | 25,4 | 50,292 | 14,224 | | 14,22 | 26 | 30 | 7500 | 10000 |
| 7905 A1 | L 44649 / L 44610 | 26,988 | 50,292 | 14,224 | | 0,114 | 26 | 30 | 7500 | 10000 |
| 7906 | - | 30,238 | 63,527 | 20,25 | | 0,32 | - | - | - | - |
| 7907 A1 | L 68149 / L 68111 | 34,988 | 59,974 | 15,875 | | 0,17 | 33 | 44 | 6000 | 8000 |
| 7907 | 2788 / 2720 | 38,125 | 76,228 | 24,5 | | 0,48 | 58,8 | 68,9 | - | - |
| 7908 | - | 42 | 76 | 23,85 | | 0,443 | - | - | - | - |
| 7909 | 306 / 47 | 47 | 100 | 42,75 | | 1,6 | 160 | 205 | 3400 | 4500 |
| 7910 | - | 50,8 | 101,6 | 31,75 | | 1,124 | - | - | - | - |
| 7915 | - | 75 | 120 | 31 | | 1,3 | 134,5 | 125,2 | - | - |
| 7918 | 593 / 592 | 88,9 | 152,4 | 39,7 | | 2,85 | 242 | 344 | 2000 | 2800 |
| 7919 | - | 95,25 | 128,588 | 15,875 | | 0,99 | - | - | - | - |
| 7921 | 37425 / 37625 | 107,95 | 158,75 | 23,02 | | 1,33 | 89,6 | 84,9 | 1900 | 2800 |
| 7923 | 64450 / 64700 | 114,3 | 177,8 | 41,275 | | 3,5 | 250 | 400 | 1900 | 2800 |
| 7927 | - | 133,35 | 173,038 | 19,05 | | 1,033 | - | - | - | - |
| 7933 | HM 237535/HM 237510 | 165,13 | 288,95 | 63 | | 20,6 | 610 | 965 | - | 1400 |
| 7939 | LL 639249/LL 639210 | 196,85 | 241,3 | 23,8 | | 2,107 | 136,5 | 160,3 | 1200 | 1700 |
| 7941 | - | 203,2 | 317,6 | 63,5 | | 18,3 | 578 | 1049 | - | 1250 |
| 7946 | - | 228,6 | 300,06 | 32,55 | | 5,62 | 215 | 433 | - | 1200 |
| 7947 | - | 234,95 | 327,3 | 51,65 | | 12,3 | 435 | 916 | - | 1200 |
| 7948 | - | 241,3 | 327,03 | 52,39 | | 12 | - | - | - | - |
| 7951 | - | 254,03 | 422,3 | 85,4 | | 46,1 | 1067 | 1670 | - | 940 |
| 7956 | - | 280,2 | 406,45 | 51,65 | | 20,1 | 473 | 922 | - | 1000 |

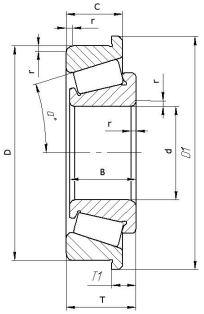
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



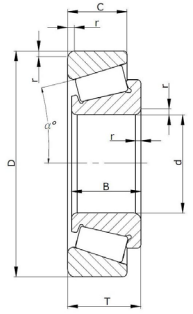

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7966 | - | 329,87 | 533,4 | 75,2 | | 60 | 1046 | 1813 | - | - |
| 1007996 | - | 480 | 650 | 84,5 | | 71 | 1247 | 2577 | 350 | 580 |
| 10079/500 | - | 500 | 670 | 85 | | 77 | 1365 | 2950 | - | - |
| 10079/530 | 319 / 530 | 530 | 710 | 87 | | 90,6 | 1555 | 3274 | 340 | 450 |
| 10079/560 | - | 560 | 750 | 91,5 | | 105 | 1561 | 3351 | - | - |
| 10079/630 | - | 630 | 850 | 108 | | 164 | 2385 | 5192 | - | - |
| 10079/710 | BT1B 332890/HA1 | 710 | 950 | 114 | | 210,1 | 2584 | 6108 | 260 | 360 |
| 10079/800 | - | 800 | 1060 | 122 | | 275 | 2139 | 7648 | - | - |
| 10079/850 | - | 850 | 1120 | 126 | | 310 | 3442 | 8243 | - | - |
| 10079/900 | BT1B 328214/HA5 | 900 | 1180 | 124 | | 339 | 3392,3 | 8809,1 | 180 | 260 |
| 10079/950 | - | 950 | 1250 | 140 | | 433 | 4311 | 10408 | - | - |
| 10079/1800 | - | 1800 | 2300 | 257,5 | | 2306 | 11815 | 34166 | - | - |
| | | | | | | | | | | |
| 2007904 A | 32904 | 20 | 37 | 12 | | 0,056 | - | - | - | - |
| 2007905 A | 32905 | 25 | 42 | 12 | | 0,065 | - | - | - | - |
| 2007906 A | 32906 | 30 | 47 | 12 | | 0,075 | - | - | - | - |
| 2007907 A | 32907 | 35 | 55 | 14 | | 0,13 | 27,4 | 37,5 | 6800 | 9000 |
| 2007908 A | 32908 | 40 | 62 | 15 | | 0,161 | 32,5 | 48 | 5900 | 7800 |
| 2007909 A | 32909 | 45 | 68 | 15 | | 0,19 | 33,5 | 51,5 | 5300 | 7000 |
| 2007910 A | 32910 | 50 | 72 | 15 | | 0,192 | 35,5 | 57 | 4700 | 6300 |
| 2007911 A | 32911 | 55 | 80 | 17 | | 0,281 | 44,5 | 73,5 | 4300 | 5700 |
| 2007912 A | 32912 | 60 | 85 | 17 | | 0,303 | 51 | 83 | 4000 | 5300 |
| 2007913 A | 32913 | 65 | 90 | 17 | | 0,323 | 48,5 | 85 | 3700 | 4900 |
| 2007914 A | 32914 | 70 | 100 | 20 | | 0,49 | 68,5 | 110 | 3400 | 4600 |
| 2007915 A | 32915 | 75 | 105 | 20 | | 0,52 | 69,5 | 114 | 3200 | 4300 |
| 2007916 A | 32916 | 80 | 110 | 20 | | 0,55 | 72 | 121 | 3000 | 4000 |
| 2007917 A | 32917 | 85 | 120 | 23 | | 0,79 | 94 | 157 | 2800 | 3800 |
| 2007918 A | 32918 | 90 | 125 | 23 | | 0,83 | 97,5 | 168 | 2700 | 3600 |
| 2007919 A | 32919 | 95 | 130 | 23 | | 0,87 | 101 | 178 | 2500 | 3400 |
| 2007920 A | 32920 | 100 | 140 | 25 | | 1,15 | 121 | 206 | 2400 | 3200 |
| 2007921 A | 32921 | 105 | 145 | 25 | | 1,2 | 126 | 219 | 2300 | 3000 |
| 2007922 A | 32922 | 110 | 150 | 25 | | 1,25 | 127 | 226 | 2200 | 2900 |
| 2007924 A | 32924 | 120 | 165 | 29 | | 1,78 | 162 | 294 | 2000 | 2600 |
| 2007926 A | 32926 | 130 | 180 | 32 | | 2,4 | 187 | 193 | 1800 | 2400 |

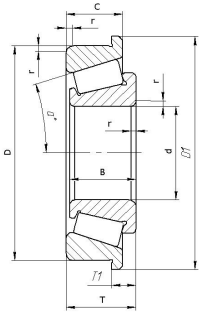
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



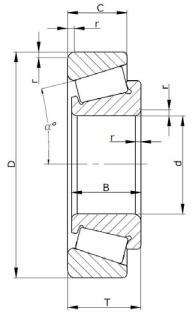

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2007928 A | 32928 | 140 | 190 | 32 | | 2,55 | 200 | 375 | 1700 | 2200 |
| 2007930 A | 32930 | 150 | 210 | 38 | | 3,88 | 268 | 490 | 1600 | 2100 |
| 2007932 A | 32932 | 160 | 220 | 38 | | 4,2 | 276 | 520 | 1500 | 1900 |
| 2007934 A | 32934 | 170 | 230 | 38 | | 4,5 | 270 | 560 | 1400 | 1800 |
| 2007936 A | 32936 | 180 | 250 | 45 | | 6,65 | 330 | 380 | 1300 | 1700 |
| 2007938 A | 32938 | 190 | 260 | 45 | | 7 | 341 | 380 | 1200 | 1600 |
| 2007940 A | 32940 | 200 | 280 | 51 | | 9,5 | 446 | 500 | 1100 | 1500 |
| 2007944 A | 32944 | 220 | 300 | 51 | | 10,1 | 480 | 950 | 1000 | 1400 |
| 2007948 A | 32948 | 240 | 320 | 51 | | 11 | 490 | 1000 | 940 | 1200 |
| 2007952 A | 32952 | 260 | 360 | 63,5 | | 19 | 638 | 780 | 860 | 1100 |
| 2007956 A | 32956 | 280 | 380 | 63,5 | | 20 | 725 | 1520 | 790 | 1100 |
| 2007960 A | 32960 | 300 | 420 | 76 | | 32 | 990 | 1180 | 720 | 970 |
| 2007964 A | 32964 | 320 | 440 | 79 | | 33,6 | 1010 | 2150 | 670 | 900 |
| 2007968 A | 32968 | 340 | 460 | 76 | | 35,4 | 1040 | 2270 | 670 | 900 |
| 2007972 A | 32972 | 360 | 480 | 76 | | 37 | 1050 | 2330 | 590 | 780 |
| 20079/1320 | - | 1320 | 1720 | 238 | | 1431 | 9622 | 28435 | - | - |
| | | | | | | | | | | |
| 27156 | - | 280 | 420 | 69,25 | | 30 | 644 | 1172 | - | 1000 |
| | | | | | | | | | | |
| 27306 | - | 30 | 72 | 20,75 | | 0,39 | 38,8 | 37,5 | - | 6500 |
| 27307 | - | 35 | 80 | 22,75 | | 0,557 | 49,22 | 51,06 | - | 6000 |
| 27308 | - | 40 | 90 | 25,25 | | 0,76 | 69,8 | 77,5 | - | 5400 |
| 27309 | - | 45 | 100 | 27,25 | | 0,958 | 85,8 | 60 | 3600 | 4800 |
| 27310 | - | 50 | 110 | 29,25 | | 0,886 | 92,3 | 105 | - | 4300 |
| 27311 | - | 55 | 120 | 31,5 | | 1,58 | 98 | 108 | - | 3900 |
| 27312 | - | 60 | 130 | 33,5 | | 1,91 | 105 | 114 | - | 3550 |
| 27313 | - | 65 | 140 | 36 | | 2,25 | 116 | 133 | - | 3280 |
| 27315 | - | 75 | 160 | 40 | | 3,5 | 156 | 177 | - | 2870 |
| 27317 | - | 85 | 180 | 44,5 | | 4,7 | - | - | - | - |
| | | | | | | | | | | |
| 1027305 A | - | 25 | 62 | 18,25 | | 0,274 | 35,8 | 23,2 | 7500 | 9000 |
| 1027306 A | 31306 | 30 | 72 | 20,75 | | 0,399 | 44,6 | 29 | - | - |
| 1027307 A | 31307 | 35 | 80 | 22,75 | | 0,533 | 57,2 | 39 | - | - |
| 1027308 A | 31308 | 40 | 90 | 25,25 | | 0,747 | 69,3 | 54 | - | - |

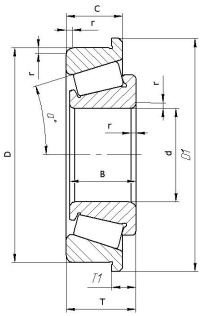
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



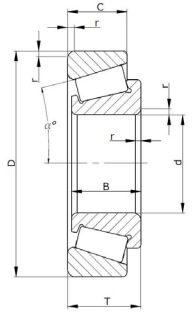

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1027309 A | 31309 | 45 | 100 | 27,25 | | 0,997 | 85,8 | 60 | - | - |
| 1027310 A | 31310 | 50 | 110 | 29,25 | | 1,27 | 99 | 72,5 | - | - |
| 1027311 A | 31311 | 55 | 120 | 31,5 | | 1,62 | 114 | 80 | - | - |
| 1027312 A | 31312 | 60 | 130 | 33,5 | | 2,01 | 134 | 96,5 | - | - |
| 1027313 A | 31313 | 65 | 140 | 36 | | 2,47 | 154 | 112 | - | - |
| 1027314 A | - | 70 | 150 | 38 | | 3,01 | 176 | 127 | - | - |
| 1027315 A | 31315 | 75 | 160 | 40 | | 3,54 | 194 | 143 | - | - |
| 1027316 A | - | 80 | 170 | 42,5 | | 4,2 | 212 | 153 | - | - |
| 1027317 A | - | 85 | 180 | 44,5 | | 5,1 | 229 | 166 | - | - |
| 1027318 A | - | 90 | 190 | 46,5 | | 5,9 | 251 | 183 | - | - |
| 1027319 A | - | 95 | 200 | 49,5 | | 6,95 | 275 | 204 | - | - |
| 1027320 A | - | 100 | 215 | 56,5 | | 9,07 | 352 | 270 | - | - |
| 1027321 A | - | 105 | 225 | 58 | | 10,2 | - | - | - | - |
| 1027322 A | - | 110 | 240 | 63 | | 12,6 | 429 | 335 | - | - |
| 1027324 A | - | 120 | 260 | 68 | | 16,1 | 512 | 405 | - | - |
| 1027326 A | - | 130 | 280 | 72 | | 19,2 | 572 | 455 | - | - |
| 1027328 A | - | 140 | 300 | 77 | | 24,5 | 644 | 520 | - | - |
| 1027330 A | - | 150 | 320 | 82 | | 29,5 | 737 | 600 | - | - |
| | | | | | | | | | | |
| 27518 | 32218 | 90 | 160 | 42,5 | | 3,44 | 255,5 | 347 | - | 2000 |
| | | | | | | | | | | |
| 27606 A | - | 30 | 72 | 28,75 | | 0,6 | 65 | 57 | - | - |
| 27607 A | - | 35 | 80 | 32,75 | | 0,8 | 88 | 67 | - | - |
| 27608 A | - | 40 | 90 | 35,25 | | 1,15 | 108 | 140 | 4000 | 5300 |
| 27609 A | - | 45 | 100 | 38,25 | | 1,47 | 124 | 110 | - | - |
| 27610 A | - | 50 | 110 | 42,25 | | 1,96 | 156 | 140 | - | - |
| 27611 A | - | 55 | 120 | 45,5 | | 2,54 | 179 | 150 | - | - |
| 27612 A | - | 60 | 130 | 48,5 | | 2,8 | 205 | 176 | - | - |
| 27613 A | - | 65 | 140 | 51 | | 3,75 | 233 | 176 | - | - |
| 27614 A | - | 70 | 150 | 54 | | 4,56 | 264 | 228 | - | - |
| 27615 A | - | 75 | 160 | 58 | | 5,55 | 314 | 270 | - | - |
| 27616 A | - | 80 | 170 | 61,5 | | 5,7 | 336 | 300 | - | - |
| 27617 A | - | 85 | 180 | 63,5 | | 7,5 | 369 | 325 | - | - |

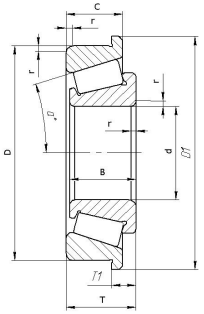
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



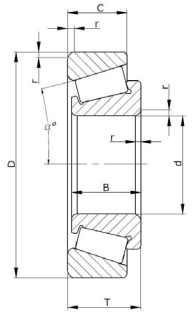

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 27705 | - | 25 | 62 | 18,25 | | 0,268 | 39,9 | 28 | - | - |
| 27706 | - | 30 | 72 | 24,5 | | 0,47 | - | - | - | - |
| 27709 | - | 45 | 100 | 31,75 | | 1,1 | - | - | - | - |
| 27711 | - | 55 | 115 | 34 | | 1,65 | 125 | 168 | 3000 | 4000 |
| 27714 | - | 70 | 140 | 39 | | 2,8 | - | - | - | - |
| 27715 | - | 75 | 150 | 42 | | 3,31 | - | - | - | - |
| 27719 | - | 96,84 | 188,91 | 50,8 | | 6,05 | - | - | - | - |
| | | | | | | | | | | |
| 27907 | JS3549A/10 | 35 | 70 | 24,75 | | 0,426 | 66,5 | 84,9 | 4700 | 6300 |
| 27908 | 44150/44348 | 38,113 | 88,5 | 25,25 | | 0,74 | 69,8 | 77,5 | 4000 | 5400 |
| 27911 | 557/552 | 53,975 | 123,825 | 39,5 | | 2,26 | 140 | 178 | 3000 | 3900 |
| | | | | | | | | | | |
| 67709 | - | 45 | 80 | 30,1 | | 86 | 8,1 | 0,539 | 55,5 | 64,2 |
| 67712 Л | - | 60 | 100 | 25,4 | | 104,5 | 10 | 0,896 | 80,6 | 100 |
| 67738 Л | - | 190 | 260 | 45,5 | | 273 | 17,5 | 7,58 | 329,5 | 610 |
| 67744 Л | - | 220 | 300 | 51,5 | | 314 | 19,5 | 11,3 | 415,6 | 810,5 |
| | | | | | | | | | | |
| 2067708 | - | 41,275 | 76,2 | 22,254 | | 80,963 | 9,525 | 0,463 | 65,1 | 53,3 |
| 2067712 | - | 60,325 | 100 | 25,4 | | 103,962 | 9,525 | 0,777 | 95,9 | 80,3 |
| | | | | | | | | | | |
| 67814 Л | - | 70 | 120 | 29,79 | | 127 | 11,56 | 1,71 | 116,6 | 157,7 |
| 67818 Л | - | 90 | 140 | 25,29 | | 147 | 14,29 | 1,43 | 111,9 | 146,1 |
| 67848 Л | - | 240 | 320 | 51,5 | | 334 | 19,5 | 11,65 | 425,1 | 884 |
| 67852 Л | - | 260 | 360 | 64,5 | | 377 | 22,5 | 23,2 | 629,6 | 1226,1 |
| | | | | | | | | | | |
| 67912 Л | - | 60 | 95 | 22,8 | | 100 | 8,8 | 0,63 | 68 | 96,2 |
| 67920 Л | - | 98,425 | 152,4 | 38,1 | | 159,5 | 15 | 2,48 | 194,8 | 279,5 |
| 67928 Л | - | 140 | 210 | 40,59 | | 218 | 15 | 5,06 | 288,6 | 471 |
| | | | | | | | | | | |
| | A 4059/A 4138 | 14,989 | 34,988 | 10,998 | | 0,051 | 13,4 | 13,2 | 16000 | 24000 |
| | 03062/03162/Q | 15,875 | 41,275 | 14,288 | | 0,09 | 22 | 21,2 | 14000 | 20000 |
| | 11590/11520/Q | 15,875 | 42,862 | 14,288 | | 0,1 | 17,6 | 17,6 | 12000 | 17000 |
| | LM 11749/710/Q | 17,462 | 39,878 | 13,843 | | 0,081 | 21,2 | 20,8 | 13000 | 20000 |
| | LM 11749/710/QVC027 | 17,462 | 39,878 | 13,843 | | 0,081 | 21,2 | 20,8 | 13000 | 20000 |

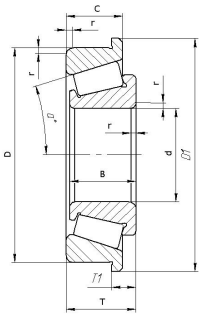
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



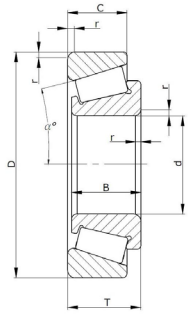

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | LM 11949/910/Q | 19,05 | 45,237 | 15,494 | | 0,12 | 27,5 | 27,5 | 12000 | 18000 |
| | 09067/09195/Q | 19,05 | 49,225 | 18,034 | | 0,17 | 39,1 | 40 | 11000 | 17000 |
| | 09074/09195/QVQ494 | 19,05 | 49,225 | 19,845 | | 0,18 | 39,1 | 40 | 11000 | 17000 |
| | LM 12748/710 | 21,43 | 45,237 | 15,494 | | 0,12 | 27,5 | 21 | 11000 | 17000 |
| | M 12649/610/Q | 21,43 | 50,005 | 17,526 | | 0,17 | 36,9 | 38 | 11000 | 16000 |
| | LM 12749/710/Q | 21,986 | 45,237 | 15,494 | | 0,12 | 27,5 | 31 | 11000 | 17000 |
| | LM 12749/711/Q | 21,986 | 45,974 | 15,494 | | 0,12 | 27,5 | 31 | 11000 | 17000 |
| | 1380/1328/Q | 22,225 | 52,388 | 19,368 | | 0,2 | 41,8 | 44 | 10000 | 15000 |
| | L 44643/610/Q | 25,4 | 50,292 | 14,224 | | 0,13 | 26 | 30 | 10000 | 15000 |
| | 07100 S/07210 X/Q | 25,4 | 50,8 | 15,011 | | 0,13 | 28,1 | 30,5 | 10000 | 15000 |
| | 15578/15520 | 25,4 | 57,15 | 17,462 | | 0,23 | 40,2 | 45,5 | 9000 | 13000 |
| | M 84548/2/510/2/QVQ506 | 25,4 | 57,15 | 19,431 | | 0,23 | 39,6 | 45 | 9000 | 13000 |
| | 15101/15245 | 25,4 | 62 | 19,05 | | 0,31 | 48,4 | 57 | 8000 | 12000 |
| | 15103 S/15243/Q | 26,157 | 61,912 | 19,05 | | 0,29 | 48,4 | 57 | 8000 | 12000 |
| | 15103 S/15245/Q | 16,157 | 62 | 19,05 | | 0,29 | 48,4 | 57 | 8000 | 12000 |
| | L 44649/610/Q | 26,988 | 50,292 | 14,224 | | 0,11 | 26 | 30 | 10000 | 15000 |
| | 1982 F/1924 A/QVQ519 | 27,5 | 57,15 | 19,845 | | 0,22 | 45,7 | 51 | 9000 | 13000 |
| | 1985/1922/Q | 28,575 | 57,15 | 19,845 | | 0,22 | 45,7 | 51 | 9000 | 13000 |
| | 1988/1922/Q | 28,575 | 57,15 | 19,845 | | 0,22 | 45,7 | 51 | 9000 | 13000 |
| | M 86647/610/QCL7C | 28,575 | 64,292 | 21,433 | | 0,35 | 49,5 | 61 | 8000 | 11000 |
| | 02872/02820/Q | 28,575 | 73,025 | 22,225 | | 1,05 | 99 | 140 | 7000 | 10000 |
| | L 45449/410/Q | 29 | 50,292 | 14,224 | | 0,11 | 26 | 32,5 | 10000 | 14000 |
| | M 86649/2/610/2/QVQ506 | 30,162 | 64,292 | 21,433 | | 0,33 | 49,5 | 61 | 8000 | 11000 |
| | M 88043/010/2/QCL7C | 30,162 | 68,262 | 22,225 | | 0,41 | 55 | 69,5 | 7500 | 11000 |
| | LM 67048/010/Q | 31,75 | 59,131 | 15,875 | | 0,18 | 34,7 | 41,5 | 8500 | 12000 |
| | 15123/15243/Q | 31,75 | 61,912 | 19,05 | | 0,24 | 48,4 | 57 | 8000 | 12000 |
| | 15123/15245/Q | 31,75 | 62 | 19,05 | | 0,24 | 48,4 | 57 | 8000 | 12000 |
| | HM 88542/510/Q | 31,75 | 73,025 | 29,37 | | 0,62 | 70,4 | 95 | 6700 | 10000 |
| | HM 88542/2/510/2/QCL7C | 31,75 | 73,025 | 29,37 | | 0,62 | 70,4 | 95 | 6700 | 10000 |
| | M 88048/2/010/2/QCL7C | 33,338 | 68,262 | 22,225 | | 0,38 | 55 | 69,5 | 7500 | 11000 |
| | 14131/14276/Q | 33,338 | 69,012 | 19,845 | | 0,35 | 53,9 | 67 | 7500 | 11000 |
| | LM 48548/510/Q | 34,925 | 65,088 | 18,034 | | 0,25 | 47,3 | 57 | 7500 | 11000 |
| | LM 48548 A/510/Q | 34,925 | 65,088 | 18,034 | | 0,25 | 47,3 | 57 | 7500 | 11000 |
| | 14137 A/14276/Q | 34,925 | 69,012 | 19,845 | | 0,34 | 53,9 | 67 | 7500 | 11000 |

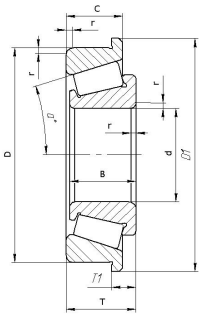
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



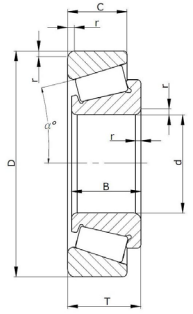

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | HM 88649/2/610/2/QCL7C | 34,925 | 72,233 | 25,4 | | 0,5 | 67,1 | 90 | 6700 | 10000 |
| | 25877/2/25821/2/Q | 34,925 | 73,025 | 23,812 | | 0,47 | 72,1 | 88 | 7000 | 10000 |
| | 23690/23620/QCL7C | 34,925 | 73,025 | 26,988 | | 0,52 | 76,5 | 93 | 7000 | 10000 |
| | 31594/31520/Q | 34,925 | 76,2 | 29,73 | | 0,63 | 85,8 | 106 | 6700 | 10000 |
| | HM 89446/2/410/2/QCL7C | 34,925 | 76,2 | 29,37 | | 0,66 | 78,1 | 106 | 6300 | 9500 |
| | L 68149/110/Q | 34,988 | 59,131 | 15,875 | | 0,17 | 33 | 44 | 8000 | 12000 |
| | L 68149/111/Q | 34,988 | 59,875 | 15,875 | | 0,17 | 33 | 44 | 8000 | 12000 |
| | 25880/25820/Q | 36,487 | 73,025 | 23,812 | | 0,45 | 72,1 | 88 | 7000 | 10000 |
| | HM 89449/2/410/2/QCL7C | 36,512 | 76,2 | 29,37 | | 0,64 | 78,1 | 106 | 6300 | 9500 |
| | LM 29748/710/Q | 38,1 | 65,088 | 18,034 | | 0,25 | 42,9 | 57 | 7500 | 11000 |
| | LM 29749/710/Q | 38,1 | 65,088 | 18,034 | | 0,25 | 50 | 57 | 8000 | 11000 |
| | LM 29749/711/Q | 38,1 | 65,088 | 19,812 | | 0,25 | 42,9 | 57 | 7500 | 11000 |
| | LM 29749/711/QCL7CVA607 | 38,1 | 65,088 | 19,812 | | 0,25 | 42,9 | 57 | 7500 | 11000 |
| | 16150/16284/Q | 38,1 | 72,238 | 20,638 | | 0,39 | 49,5 | 60 | 7000 | 10000 |
| | 16150/16283/Q | 38,1 | 72,238 | 23,812 | | 0,39 | 49,5 | 60 | 7000 | 10000 |
| | 2788/2720/QCL7C | 38,1 | 76,2 | 23,812 | | 0,5 | 74,8 | 93 | 6700 | 10000 |
| | 3490/3420/QCL7CVQ492 | 38,1 | 79,375 | 29,37 | | 0,67 | 91,3 | 110 | 6700 | 9500 |
| | HM 801346/310/Q | 38,1 | 82,55 | 29,37 | | 0,78 | 85,8 | 118 | 6000 | 8500 |
| | HM 801346 X/2/310/QVQ523 | 38,1 | 82,55 | 29,37 | | 0,77 | 85,8 | 118 | 6000 | 8500 |
| | 418/414/Q | 38,1 | 88,5 | 26,988 | | 0,83 | 101 | 114 | 6300 | 9000 |
| | M 201047/011/Q | 39,688 | 73,025 | 25,654 | | 0,45 | 66 | 86,5 | 6700 | 10000 |
| | LM 300849/811/Q | 40,988 | 67,975 | 17,5 | | 0,24 | 44 | 58,5 | 7000 | 10000 |
| | 18590/18520/Q | 41,275 | 73,025 | 16,667 | | 0,27 | 46,8 | 56 | 6700 | 10000 |
| | LM 501349/310/Q | 41,275 | 73,431 | 19,558 | | 0,33 | 55 | 68 | 6700 | 10000 |
| | LM 501349/2/310/2/QCL7C | 41,275 | 73,431 | 19,558 | | 0,33 | 55 | 68 | 6700 | 10000 |
| | LM 501349/314/Q | 41,275 | 73,431 | 21,43 | | 0,35 | 55 | 68 | 6700 | 10000 |
| | 11162/11300/Q | 41,275 | 76,2 | 18,009 | | 0,34 | 45,7 | 56 | 6700 | 9500 |
| | 11163/11300/Q | 41,275 | 76,2 | 18,009 | | 0,34 | 45,7 | 56 | 6700 | 9500 |
| | 24780/24720/Q | 41,275 | 76,2 | 22,225 | | 0,43 | 68,2 | 86,5 | 6700 | 9500 |
| | M 802048/011/QCL7C | 41,275 | 82,55 | 26,543 | | 0,62 | 73,7 | 91,5 | 6000 | 9000 |
| | 3585/3525/Q | 41,275 | 87,312 | 30,162 | | 0,85 | 102 | 132 | 6000 | 8500 |
| | HM 803146/110/Q | 41,275 | 88,9 | 30,162 | | 0,9 | 95,2 | 127 | 5600 | 8000 |
| | HM 803146/2/110/2/QCL7C | 41,275 | 88,9 | 30,162 | | 0,9 | 95,2 | 127 | 5600 | 8000 |
| | 526/522/Q | 41,275 | 101,6 | 34,925 | | 1,45 | 151 | 190 | 5000 | 7500 |

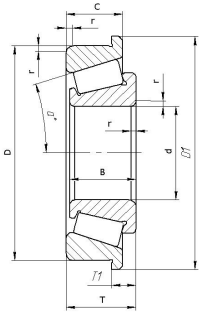
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



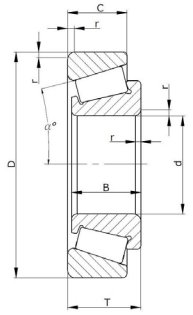

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | 25577/2/25520/2/Q | 42,875 | 82,931 | 23,812 | | 0,57 | 80,9 | 106 | 6000 | 9000 |
| | 25577/2/25523/2/Q | 42,875 | 83,058 | 23,876 | | 0,57 | 80,9 | 106 | 6000 | 9000 |
| | 25580/25520/Q | 44,45 | 82,931 | 23,812 | | 0,57 | 80,9 | 106 | 6000 | 9000 |
| | 25580/25523/Q | 44,45 | 82,931 | 26,988 | | 0,57 | 80,9 | 106 | 6000 | 9000 |
| | 25580/25522/Q | 44,45 | 83,058 | 23,876 | | 0,57 | 80,9 | 106 | 6000 | 9000 |
| | HM 803149/110/Q | 44,45 | 88,9 | 30,162 | | 1,5 | 95,2 | 127 | 5600 | 8000 |
| | HM 803149/2/110/2/QCL7C | 44,45 | 88,9 | 30,162 | | 1,5 | 95,2 | 127 | 5600 | 8000 |
| | HM 903249/2/210/2/Q | 44,45 | 95,25 | 30,958 | | 1 | 101 | 122 | 4800 | 7000 |
| | HM 903249/W/210/QCL7C | 44,45 | 95,25 | 30,958 | | 1 | 101 | 122 | 4800 | 7000 |
| | 53178/53377/Q | 44,45 | 95,25 | 30,958 | | 0,93 | 88 | 96,5 | 5000 | 7000 |
| | HM 807040/010/QCL7C | 44,45 | 104,775 | 36,512 | | 1,5 | 145 | 204 | 4500 | 6700 |
| | 535/532 X | 44,45 | 107,95 | 36,512 | | 1,7 | 151 | 190 | 4800 | 7000 |
| | 535/532 A | 44,45 | 111,125 | 38,1 | | 1,85 | 151 | 190 | 4800 | 7000 |
| | 3586/3525/Q | 45,237 | 87,313 | 30,162 | | 0,85 | 102 | 132 | 6000 | 8500 |
| | LM 102949/910/Q | 45,242 | 73,431 | 19,558 | | 0,3 | 53,9 | 75 | 6700 | 9500 |
| | LM 603049/011/Q | 45,242 | 77,788 | 19,842 | | 0,37 | 53,9 | 69,5 | 6300 | 9000 |
| | 25590/25520/Q | 45,618 | 82,931 | 23,812 | | 55 | 80,9 | 106 | 6000 | 9000 |
| | 25590/25523/Q | 45,618 | 82,931 | 26,988 | | 0,55 | 80,9 | 106 | 6000 | 9000 |
| | 25590/25522/Q | 45,618 | 83,058 | 23,876 | | 0,55 | 80,9 | 106 | 6000 | 9000 |
| | 18690/18620/Q | 46,038 | 79,375 | 17,462 | | 0,33 | 49,5 | 62 | 6300 | 9000 |
| | 359 S/354 X/Q | 46,038 | 85 | 20,638 | | 0,49 | 70,4 | 81,5 | 6000 | 8500 |
| | 369 S/2/362 A/2/Q | 47,625 | 88,9 | 20,637 | | 0,55 | 76,5 | 91,5 | 5600 | 8000 |
| | HM 804846/2/810/2/Q | 47,625 | 95,25 | 30,162 | | 0,95 | 108 | 146 | 5000 | 7500 |
| | 528 R/522 | 47,625 | 101,6 | 34,925 | | 1,25 | 151 | 190 | 5000 | 7500 |
| | 65390/65320/QCL7C | 49,212 | 114,3 | 44,45 | | 2,2 | 183 | 224 | 4500 | 6700 |
| | LM 104949/911Q | 50,8 | 82,55 | 21,59 | | 0,43 | 72,1 | 100 | 6000 | 8500 |
| | 18790/18720/Q | 50,8 | 85 | 17,462 | | 0,37 | 50,1 | 65,5 | 5600 | 8500 |
| | 368 A/362 A/Q | 50,8 | 88,9 | 20,637 | | 0,5 | 76,5 | 91,5 | 5600 | 8000 |
| | 368 A/362 X/Q | 50,8 | 90 | 25 | | 0,58 | 76,5 | 91,5 | 5600 | 8000 |
| | 3780/3720/Q | 50,8 | 93,264 | 30,162 | | 0,85 | 110 | 146 | 5300 | 7500 |
| | 28678/28622 B/Q | 50,8 | 97,63 | 24,608 | | 0,83 | 89,7 | 129 | 5000 | 7000 |
| | HM 807046/010/QCL7C | 50,8 | 104,775 | 36,512 | | 1,5 | 145 | 204 | 4500 | 6700 |
| | 4580/2/4535/2/Q | 50,8 | 104,775 | 39,688 | | 1,65 | 157 | 224 | 4800 | 7000 |
| | 537/532 X/Q | 50,8 | 107,95 | 36,512 | | 1,55 | 151 | 190 | 4800 | 7000 |

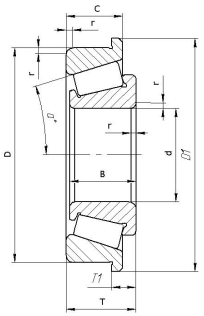
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



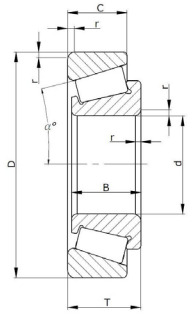

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | LM 806649/610/Q | 53,975 | 88,9 | 19,05 | | 0,43 | 58,3 | 78 | 5300 | 8000 |
| | 33895/33821/Q | 53,975 | 95,25 | 27,783 | | 0,8 | 105 | 137 | 5300 | 7500 |
| | 33895/33822/Q | 53,975 | 95,25 | 27,783 | | 0,8 | 105 | 137 | 5300 | 7500 |
| | 539/532 X | 53,975 | 107,95 | 36,512 | | 1,45 | 151 | 190 | 4800 | 7000 |
| | 539/532 A | 53,975 | 111,125 | 38,1 | | 1,55 | 151 | 190 | 4800 | 7000 |
| | 72212/2/72487/2/Q | 53,975 | 123,825 | 36,512 | | 2,05 | 147 | 180 | 3800 | 5600 |
| | 387 A/382 A/Q | 57,15 | 96,838 | 21 | | 0,59 | 80,9 | 102 | 5000 | 7500 |
| | 387/382 A | 57,15 | 96,838 | 21 | | 0,59 | 80,9 | 102 | 5000 | 7500 |
| | 387 A/382 S/Q | 57,15 | 96,838 | 25,4 | | 0,58 | 80,9 | 102 | 5000 | 7500 |
| | 387 A/382/Q | 57,15 | 98,425 | 21 | | 0,58 | 80,9 | 102 | 5000 | 7500 |
| | 462/453 X | 57,15 | 104,775 | 30,162 | | 1,05 | 121 | 160 | 4800 | 7000 |
| | 39580/39520/Q | 57,15 | 112,712 | 30,162 | | 1,45 | 142 | 204 | 4300 | 6300 |
| | 39581/39520/Q | 57,15 | 112,712 | 30,162 | | 1,4 | 142 | 204 | 4300 | 6300 |
| | 39580/39528/Q | 57,15 | 119,985 | 32,75 | | 1,75 | 142 | 204 | 4300 | 6300 |
| | 39581/39528/Q | 57,15 | 119,985 | 32,75 | | 1,75 | 142 | 204 | 4300 | 6300 |
| | HM 911245/W/2/210/2/QCL7C | 60,325 | 130,175 | 36,512 | | 2,1 | 151 | 180 | 3600 | 5000 |
| | HM 911245/W/210/QV001 | 60,325 | 130,175 | 36,512 | | 2,1 | 151 | 180 | 3600 | 5000 |
| | H 913842/810/QCL7C | 61,912 | 146,05 | 41,275 | | 3,2 | 198 | 236 | 3200 | 4500 |
| | H 913843/810/QCL7C | 61,912 | 146,05 | 41,275 | | 3,2 | 198 | 236 | 3200 | 4500 |
| | 3982/3920 | 63,5 | 112,712 | 30,162 | | 1,25 | 123 | 183 | 4300 | 6300 |
| | 6379/K-6320/Q | 65,088 | 135,755 | 53,975 | | 3,7 | 286 | 400 | 3800 | 5600 |
| | 3984/2/3920/2/Q | 66,675 | 112,712 | 30,162 | | 1,15 | 123 | 183 | 4300 | 6000 |
| | 39590/39520/Q | 66,675 | 112,712 | 30,162 | | 1,2 | 142 | 204 | 4300 | 6300 |
| | 39590/39528/Q | 66,675 | 119,985 | 32,75 | | 1,2 | 142 | 204 | 4300 | 6300 |
| | 6386/K-6320/Q | 66,675 | 135,755 | 53,975 | | 3,65 | 286 | 400 | 2800 | 5600 |
| | 29675/29620/3/Q | 69,85 | 112,712 | 25,4 | | 0,97 | 99 | 156 | 4000 | 6000 |
| | 482/472/Q | 69,85 | 120 | 29,795 | | 1,35 | 132 | 186 | 4000 | 6000 |
| | 47487/47420 | 69,85 | 120 | 32,545 | | 1,5 | 154 | 228 | 4000 | 6000 |
| | 47487/47420 A/Q | 69,85 | 120 | 32,545 | | 1,5 | 154 | 228 | 4000 | 6000 |
| | 566/563/Q | 69,85 | 127 | 36,512 | | 1,9 | 176 | 255 | 3800 | 5600 |
| | 33281/33462/Q | 71,438 | 117,475 | 30,162 | | 1,25 | 123 | 190 | 4000 | 6000 |
| | H 414249/210/Q | 71,438 | 136,525 | 41,275 | | 2,65 | 224 | 290 | 3600 | 5300 |
| | 29685/2/29620/3Q | 73,025 | 112,712 | 25,4 | | 0,89 | 99 | 156 | 4000 | 6000 |
| | 33287/33462/Q | 73,025 | 117,475 | 30,162 | | 1,2 | 123 | 190 | 4000 | 6000 |

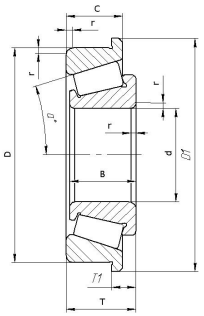
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



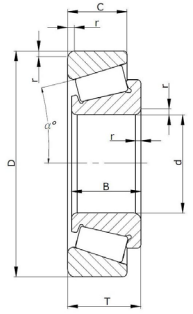

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | 567/563 | 73,025 | 127 | 36,512 | | 1,8 | 176 | 255 | 3800 | 5600 |
| | L 814749/710/QCL7C | 76,2 | 109,538 | 19,05 | | 0,6 | 58,3 | 102 | 4000 | 6000 |
| | 42687/42620 | 76,2 | 127 | 30,162 | | 1,9 | 138 | 204 | 3800 | 5300 |
| | 47678/47620/Q | 76,2 | 133,35 | 33,338 | | 1,9 | 165 | 260 | 3400 | 5000 |
| | 575/572/Q | 76,2 | 139,992 | 36,512 | | 2,45 | 187 | 280 | 3400 | 5000 |
| | 9285/9220/CL7C | 76,2 | 161,925 | 49,212 | | 4,4 | 260 | 335 | 2800 | 4000 |
| | 580/572/Q | 82,55 | 139,992 | 36,512 | | 2,2 | 187 | 280 | 3400 | 5000 |
| | 663/653/Q | 82,55 | 146,05 | 41,275 | | 2,8 | 220 | 320 | 3200 | 4800 |
| | 593/592 A/Q | 88,9 | 152,4 | 39,688 | | 2,8 | 194 | 305 | 3000 | 4500 |
| | 598/592 A/Q | 92,075 | 152,4 | 39,688 | | 2,7 | 194 | 305 | 3000 | 4500 |
| | 47896/47820/Q | 95,25 | 146,05 | 33,338 | | 1,9 | 168 | 280 | 3200 | 4500 |
| | 594/592 A/Q | 95,25 | 152,4 | 39,688 | | 2,55 | 194 | 305 | 3000 | 4500 |
| | 594 A/592 A/Q | 95,25 | 152,4 | 39,688 | | 2,55 | 194 | 305 | 3000 | 4500 |
| | 683/672 | 95,25 | 168,275 | 41,275 | | 3,8 | 233 | 365 | 2800 | 4000 |
| | 687/672 | 101,6 | 168,275 | 41,275 | | 2,45 | 233 | 365 | 2800 | 4000 |
| | 37425/2/37625/2/Q | 107,95 | 158,75 | 23,02 | | 1,4 | 101 | 163 | 2800 | 4300 |
| | 64450/64700 | 114,3 | 177,8 | 41,275 | | 3,6 | 251 | 415 | 2600 | 3800 |
| | 68450/68712 | 114,3 | 180,975 | 34,925 | | 2,95 | 183 | 280 | 2600 | 3800 |
| | 48290/48220/Q | 127 | 182,562 | 39,688 | | 3,3 | 229 | 440 | 2400 | 3600 |
| | 67388/67322 | 127 | 196,85 | 46,038 | | 5,2 | 319 | 585 | 2200 | 3400 |
| | L 327249/210 | 133,35 | 177,008 | 25,4 | | 1,8 | 134 | 280 | 2400 | 3600 |
| | 67391/67322 | 133,35 | 196,85 | 46,038 | | 4,8 | 319 | 585 | 2200 | 3400 |
| | HM 231132/110 | 139,7 | 236,538 | 57,15 | | 10 | 512 | 850 | 1900 | 2800 |
| | HM 231148/110 | 149,225 | 236,538 | 57,15 | | 10 | 512 | 850 | 1900 | 2800 |
| | M 231649/610/VQ051 | 152,4 | 222,25 | 46,83 | | 5,9 | 330 | 630 | 2000 | 3000 |
| | L 432348/310 | 158,75 | 205,583 | 23,812 | | 1,95 | 138 | 280 | 2000 | 3000 |
| | L 432349/310 | 158,75 | 205,583 | 23,812 | | 1,95 | 138 | 280 | 2000 | 3000 |
| | 36990/36920 | 177,8 | 227,012 | 30,162 | | 3 | 187 | 425 | 1800 | 2800 |
| | M 336948/912 | 178,595 | 265,112 | 51,595 | | 9,6 | 495 | 880 | 1700 | 2400 |
| | M 336949/912 | 179,934 | 265,112 | 51,595 | | 9,4 | 495 | 880 | 1700 | 2400 |
| | 87737/87111 | 187,325 | 282,575 | 50,8 | | 9,8 | 402 | 695 | 1600 | 2200 |
| | M 239449/410 | 190,475 | 279,4 | 52,388 | | 9,5 | 523 | 980 | 1600 | 2200 |
| | 87750/87111 | 190,5 | 282,575 | 50,8 | | 9,6 | 402 | 695 | 1600 | 2200 |
| | M 239448 A/410 | 191,237 | 279,4 | 52,388 | | 9,2 | 523 | 980 | 1600 | 2200 |

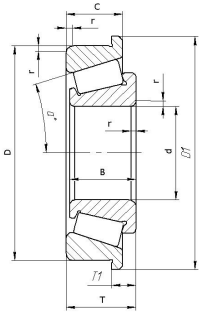
DESIGN OPTIONS:

| | | |
|---|---|---|
| 7… | (3. …) | - contact angle10-16◦ |
| 27… | (31 …) | - contact angle 25-30◦ |
| 67… | (3. …R) | - with flanged outer ring |
| | (LM…, LH…) | - inch series |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass combined.




**7… (3. …); 27… (31 …)**
**(LM…, LH…)**



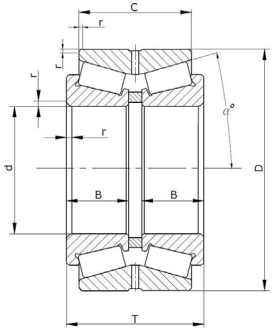

**67… (3. …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | LL 639249/210 | 196,85 | 241,3 | 23,812 | | 2 | 154 | 315 | 1700 | 2600 |
| | LL 639249/2/210/4 | 196,85 | 241,3 | 23,812 | | 2 | 154 | 315 | 1700 | 2600 |
| | LM 739749/710/VE174 | 196,85 | 257,175 | 39,688 | | 5,3 | 275 | 655 | 1600 | 2400 |
| | LM 241147/110/QVQ051 | 200,025 | 276,225 | 42,862 | | 7,7 | 391 | 780 | 1500 | 2200 |
| | LM 241148/110/QVQ051 | 203,987 | 276,225 | 42,862 | | 7,25 | 391 | 780 | 1500 | 2200 |
| | 67985/67920/HA3VQ117 | 206,375 | 282,575 | 46,038 | | 8,6 | 380 | 830 | 1500 | 2200 |
| | LM 742747/710 | 216,408 | 285,75 | 46,038 | | 7,85 | 380 | 850 | 1500 | 2200 |
| | LM 742747 A/710 | 216,713 | 285,75 | 46,038 | | 7,85 | 380 | 850 | 1500 | 2200 |
| | LM 245846/810 | 230,188 | 317,5 | 47,625 | | 10,5 | 523 | 980 | 1300 | 2000 |
| | 544091/28/118 A/2B | 231,775 | 300,038 | 33,338 | | 5,3 | 216 | 425 | 1400 | 2000 |
| | LM 245848/810 | 231,775 | 217,5 | 47,625 | | 10,5 | 523 | 980 | 1300 | 2000 |
| | M 349547/510 | 255,6 | 342,9 | 57,15 | | 14 | 594 | 1220 | 1200 | 1800 |
| | M 349549/510/VE174 | 257,175 | 342,9 | 57,15 | | 14 | 594 | 1220 | 1200 | 1800 |
| | M 249747/710 | 257,175 | 358,775 | 71,438 | | 20,5 | 842 | 1760 | 1200 | 1700 |
| | 38880/38820 | 263,525 | 325,438 | 28,575 | | 53 | 220 | 550 | 1300 | 1800 |
| | L 555249/210 | 292,1 | 374,65 | 47,625 | | 12 | 501 | 1140 | 1100 | 1600 |
| | L 555249/210/VE174 | 292,1 | 374,65 | 47,625 | | 12 | 501 | 1140 | 1100 | 1600 |
| | L 357049/010/VE174 | 304,8 | 393,7 | 50,8 | | 14,5 | 525 | 1220 | 1000 | 1500 |
| | LM 361649 A/610 | 343,154 | 450,85 | 66,675 | | 28 | 935 | 220 | 900 | 1300 |
| | HM 262749/710 | 346,075 | 488,95 | 95,25 | | 55 | 1420 | 3150 | 850 | 1200 |
| | L 8655447/512 | 381 | 479,425 | 49,213 | | 20 | 594 | 1500 | 800 | 1200 |
| | HM 266449/410 | 384,175 | 546,1 | 104,775 | | 77 | 1870 | 4150 | 750 | 1100 |
| | LL 566848/810/HA1 | 403,225 | 460,375 | 28,575 | | 6,7 | 246 | 765 | 800 | 1200 |
| | LM 567949/910/HA1 | 406,4 | 549,275 | 85,725 | | 53,5 | 1380 | 3050 | 700 | 1000 |
| | LM 770949 | 457,2 | 603,25 | 85,725 | | 61,5 | 1450 | 3400 | 630 | 950 |
| | LM 772748/710/HA1 | 488,95 | 634,873 | 84,138 | | 63,5 | 1450 | 3650 | 600 | 850 |
| | EE 243196/250/HA2 | 498,475 | 634,873 | 80,962 | | 59,5 | 1470 | 3650 | 600 | 850 |
| | EE 843220/290 | 558,8 | 736,6 | 88,108 | | 92,5 | 1830 | 4150 | 500 | 750 |
| | LM 377449/410 | 558,8 | 736,6 | 104,775 | | 115 | 2330 | 5700 | 500 | 750 |
| | EE 649240/310 | 609,6 | 787,4 | 93,662 | | 110 | 2160 | 5300 | 450 | 670 |
| | LM 283649/610/HA1 | 749,3 | 990,6 | 159,5 | | 330 | 4570 | 12000 | 340 | 500 |
| | LL 483448/418 | 760 | 889 | 69,85 | | 67,5 | 1230 | 3800 | 380 | 560 |
| | L 183448/410 | 760 | 889 | 88,9 | | 94 | 1870 | 5850 | 360 | 530 |
| | LL 483449/418 | 762 | 889 | 69,85 | | 66,5 | 1230 | 3800 | 380 | 560 |
| | L 183449/410 | 762 | 889 | 88,9 | | 94 | 1870 | 5850 | 360 | 530 |
| | EE 763330/410 | 838,2 | 1041,4 | 93,662 | | 160 | 1900 | 4800 | 460 | 160 |

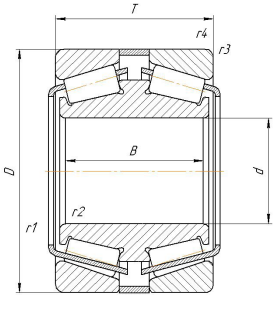
DESIGN OPTIONS:

| | | |
|---|---|---|
| 97… | (350 …) | - with the inner remote ring on layout «O» |
| 847… | (370 …) | - with the outer remote ring on layout «X» |
| 697… | (350 …R) | - with a groove under a retaining ring; |

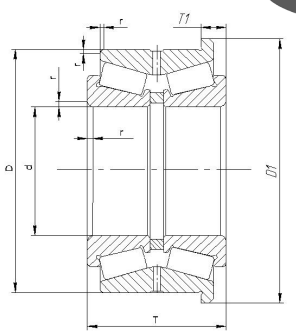
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass mechanically processed.




**97… (35. …)**




**847… (370 …)**



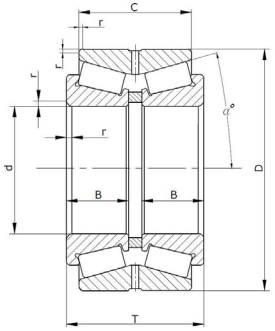

**697… (350 …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 97168 | 351068 | 340 | 520 | 135/180 | | 127 | 2060 | 4100 | 480 | 640 |
| 97172 | 351072 | 360 | 540 | 140/185 | | 141 | 2880 | 6300 | 460 | 620 |
| 97176 | 351076 | 380 | 560 | 141/189 | | 137 | 2880 | 6300 | 410 | 540 |
| 97180 | 351080 | 400 | 600 | 150/206 | | 179 | 2890 | 6300 | 410 | 540 |
| 97184 | 351084 | 420 | 620 | 150/206 | | 191 | 2670 | 5880 | 360 | 480 |
| 97188 | 351088 | 440 | 650 | 152/212 | | 212 | 3150 | 6900 | 360 | 480 |
| 97192 | 351092 | 460 | 680 | 175/230 | | 253 | 3410 | 7450 | 360 | 480 |
| 97196 | - | 480 | 700 | 180/236 | | - | - | - | - | - |
| 971/500 | 3510/500 | 500 | 720 | 180/236 | | 276 | 3580 | 8150 | 410 | 540 |
| 971/530 | - | 530 | 780 | 184/254 | | - | - | - | - | - |
| 971/560 | 3510/560 | 560 | 820 | 185/260 | | 434 | 2920 | 5700 | 310 | 410 |
| 971/600 | 3510/600 | 600 | 870 | 198/270 | | 517 | 5390 | 12700 | 280 | 380 |
| 971/630 | - | 630 | 920 | 213/295 | | - | - | - | - | - |
| 971/670 | - | 670 | 980 | 220/306 | | - | - | - | - | - |
| 971/710 | - | 710 | 1030 | 220/315 | | - | - | - | - | - |
| 971/750 | - | 750 | 1090 | 253/340 | | - | - | - | - | - |
| 971/800 | - | 800 | 1150 | 256/350 | | - | - | - | - | - |
| 971/850 | - | 850 | 1220 | 276/370 | | - | - | - | - | - |
| 971/900 | - | 900 | 1280 | 280/380 | | - | - | - | - | - |
| 971/950 | - | 950 | 1360 | 292/400 | | - | - | - | - | - |
| 971/1000 | - | 1000 | 1420 | 296/410 | | - | - | - | - | - |
| | | | | | | | | | | |
| 2097124 | 352024 | 120 | 180 | 73/88 | | 7,31 | 405 | 785 | 1500 | 2000 |
| 2097126 | 352026 | 130 | 200 | 81/100 | | 9,4 | 485 | 870 | 1300 | 1800 |
| 2097128 | 352028 | 140 | 210 | 81/100 | | 8,3 | 500 | 950 | 1200 | 1700 |
| 2097130 | 352030 | 150 | 225 | 85/106 | | - | - | - | - | - |
| 2097132 | 352032 | 160 | 240 | 94/115 | | 16,5 | 661 | 1294 | 1100 | 1570 |
| 2097134 | 352034 | 170 | 260 | 102/125 | | 20,4 | 755 | 1550 | 1000 | 1300 |
| 2097136 | 352036 | 180 | 280 | 108/134 | | 27,9 | 904 | 1754 | 940 | 1350 |
| 2097138 | 352038 | 190 | 290 | 114/139 | | 28,8 | 930 | 1860 | 890 | 1200 |
| 2097140 | 352040 | 200 | 310 | 123/152 | | 39,2 | 1093 | 2282 | 840 | 1200 |
| 2097144 | 352044 | 220 | 340 | 130/165 | | 47,05 | 1314 | 2615 | 760 | 1100 |
| 2097148 | 352048 | 240 | 360 | 130/165 | | 52,9 | 1351 | 2932 | 690 | 1000 |
| 2097152 | 352052 | 260 | 400 | 146/186 | | 75,6 | 1717 | 3660 | 630 | 900 |

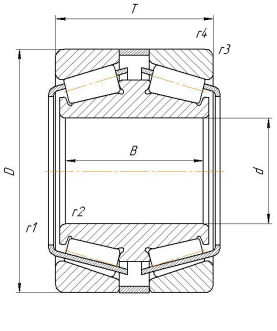
DESIGN OPTIONS:

| | | |
|---|---|---|
| 97… | (350 …) | - with the inner remote ring on layout «O» |
| 847… | (370 …) | - with the outer remote ring on layout «X» |
| 697… | (350 …R) | - with a groove under a retaining ring; |

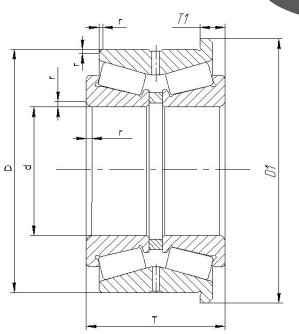
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass mechanically processed.




**97… (35. …)**




**847… (370 …)**



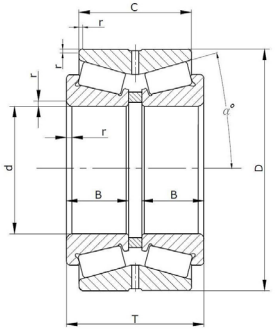

**697… (350 …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2097156 | 352056 | 280 | 420 | 154/189 | | 82,5 | 1814 | 3822 | 580 | 860 |
| 2097160 | 352060 | 300 | 460 | 178/215 | | 119 | 2140 | 4764 | 560 | 750 |
| 2097164 | 352064 | 320 | 480 | 178/215 | | 134 | 2540 | 5750 | 530 | 710 |
| | | | | | | | | | | |
| 97212 | | 60 | 110 | 42/54 | | 2,03 | 289 | 307,9 | 2600 | 3200 |
| 97218 | | 90 | 160 | 64/78 | | 6,4 | 482,3 | 533,3 | 2000 | 2700 |
| | | | | | | | | | | |
| 97506 | 352206 | 30 | 62 | 41/50 | | 0,63 | 61 | 95 | 5000 | 6300 |
| 97507 | 352207 | 35 | 72 | 46/55 | | 1 | 90 | 140 | 4000 | 5000 |
| 97508 | 352208 | 40 | 80 | 45/55 | | 1,21 | 96 | 155 | 4000 | 5000 |
| 97509 | 352209 | 45 | 85 | 45/55 | | 1,33 | 100 | 147 | 4000 | 5000 |
| 97510 | 352210 | 50 | 90 | 45/55 | | 1,4 | 105 | 188 | 3200 | 4000 |
| 97511 | 352211 | 55 | 100 | 48/60 | | 1,8 | 160 | 264 | 2800 | 3600 |
| 97512 | 352212 | 60 | 110 | 55/65 | | 2,6 | 210 | 350 | 2600 | 3200 |
| 97513 | 352213 | 65 | 120 | 62/75 | | - | - | - | - | - |
| 97514 | 352214 | 70 | 125 | 62/75 | | 3,53 | 220 | 370 | 2600 | 3200 |
| 97515 | 352215 | 75 | 130 | 62/75 | | 3,8 | 240 | 430 | 2200 | 2800 |
| 97516 | 352216 | 80 | 140 | 65/80 | | 4,8 | 320 | 5+90 | 2000 | 2600 |
| 97517 | 352217 | 85 | 150 | 68/86 | | 9,7 | 390 | 770 | 1800 | 2400 |
| 97518 | 352218 | 90 | 160 | 78/96 | | 7,6 | 425 | 810 | 1700 | 2200 |
| 97519 | 352219 | 95 | 170 | 90/108 | | 9,7 | 500 | 960 | 1600 | 2000 |
| 97520 | 352220 | 100 | 180 | 92/112 | | 11,6 | 625 | 1300 | 1300 | 1600 |
| 97521 | 352221 | 105 | 190 | 96/115 | | 13,7 | 680 | 1470 | 1300 | 1600 |
| 97522 | 352222 | 110 | 200 | 105/126 | | 16,5 | 680 | 1150 | 1500 | 2000 |
| 97524 | 352224 | 120 | 215 | 112/136 | | 20,4 | 625 | 1300 | 1300 | 1600 |
| 97526 | 352226 | 130 | 230 | 120/150 | | 25,3 | 680 | 1470 | 1300 | 1600 |
| 97528 | 352228 | 140 | 250 | 131/160 | | 31,7 | 1140 | 2080 | 1200 | 1600 |
| 97530 | 352230 | 150 | 270 | 138/170 | | 39,1 | 1270 | 2330 | 1100 | 1500 |
| 97532 | 352232 | 160 | 290 | 144/180 | | 46,2 | 1320 | 2420 | 920 | 1200 |
| 97534 | 352234 | 170 | 310 | 151/195 | | - | - | - | - | - |
| 97536 | 352236 | 180 | 320 | 151/195 | | 60 | 1530 | 2750 | 890 | 1200 |
| | | | | | | | | | | |
| 97718 | - | 90 | 162 | 82/100 | | 8,2 | 437 | 694 | - | 2330 |
| 97720 | 350620 D1 | 100 | 190 | 100/125 | | 14,/8 | 617 | 1029 | 1500 | 1950 |

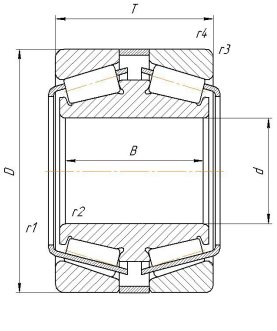
DESIGN OPTIONS:

| | | |
|---|---|---|
| 97… | (350 …) | - with the inner remote ring on layout «O» |
| 847… | (370 …) | - with the outer remote ring on layout «X» |
| 697… | (350 …R) | - with a groove under a retaining ring; |

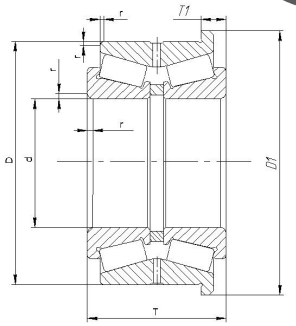
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass mechanically processed.




**97… (35. …)**




**847… (370 …)**



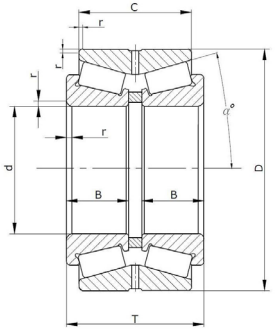

**697… (350 …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 97724 | - | 120 | 180 | 80,5/97 | | 8 | - | - | - | - |
| 97726 | 350626 D1 | 130 | 235 | 115/145 | | 24,6 | 778 | 1314 | 1300 | 1700 |
| 97727 | - | 135 | 220 | 81/106,6 | | 13,6 | 548 | 1011 | - | 1600 |
| 97730 | - | 150 | 255 | 110/145 | | 280 | 839 | 1516 | - | 1400 |
| 97732 | 350632 D1 | 160 | 270 | 110/140 | | 30,4 | 1001 | 1830 | 1000 | 1400 |
| 97736 | 350636 D1 | 180 | 285 | 79,4/108 | | 22 | 648 | 1112 | 940 | 1300 |
| 97741 | 351041 X2 D1 | 205 | 320 | 110/150 | | 41 | 1004 | 2093 | 940 | 1100 |
| 97744 | - | 220 | 340 | 75/99 | | 29,3 | 768 | 1393 | - | 830 |
| 97745 | 350645 D1 | 225 | 360 | 111/145,5 | | 51 | 1158 | 2249 | 760 | 1000 |
| 97746 | 350646 D1 | 230 | 355 | 110/145 | | 44,6 | 1158 | 2249 | 760 | 950 |
| 97748 | - | 240 | 370 | 86/119 | | 38,8 | 933 | 1608 | - | 900 |
| 97752 | 350652 D1 | 260 | 430 | 130/180 | | 94 | 1527 | 2920 | 630 | 840 |
| 97760 | - | 300 | 500 | 125/180 | | 133 | 2062 | 4015 | - | 560 |
| 97766 | - | 330 | 560 | 150/180 | | 180 | 2197 | 4511 | - | - |
| 97768 | - | 340 | 500 | 110/155 | | 92,3 | 1709 | 3531 | - | - |
| 97770 | - | 350 | 590 | 140/200 | | 206 | 2798 | 5606 | - | - |
| 97772 | - | 360 | 530 | 110/154 | | 104 | 1775 | 3622 | - | - |
| 97773 | - | 365 | 535 | 136/179 | | 119 | 2285 | 4778 | - | - |
| 97780 | - | 400 | 590 | 125/185 | | 150 | 2314 | 5011 | - | - |
| 97784 | - | 420 | 620 | 125/190 | | 171 | 2415 | 5399 | - | - |
| 97798 | - | 490 | 640 | 144/180 | | 140 | 2145 | 5947 | - | - |
| 977/520 | - | 520 | 740 | 120/188,5 | | 230 | 2677 | 6609 | - | - |
| 977/540 | - | 540 | 790 | 130/188,5 | | 296 | 3003 | 7061 | - | - |
| 977/560 | - | 560 | 820 | 190/268 | | 451 | 5080 | 11575 | - | - |
| 977/720 | - | 720 | 915 | 140/188,5 | | 284 | 3334 | 8705 | - | - |
| 977/725 | - | 725 | 915 | 140/190 | | 283 | 3334 | 8705 | - | - |
| | | | | | | | | | | |
| 1097756 | 351156 | 280 | 460 | 142/190 | | - | - | - | - | - |
| 1097760 | 351160 | 300 | 500 | 152/205 | | 141 | 2400 | 4450 | 530 | 710 |
| 1097764 | 351164 | 320 | 540 | 170/218 | | 181 | 3100 | 5700 | 510 | 660 |
| 1097768 | 351168 | 340 | 580 | 170/242 | | 235 | 3100 | 6000 | 460 | 620 |
| 1097772 | 351172 | 360 | 600 | 170/242 | | 221 | 3410 | 6800 | 400 | 520 |
| 1097776 | 351176 | 380 | 620 | 170/242 | | 250 | 3410 | 6850 | 410 | 540 |
| 1097780 | 351180 | 400 | 650 | 190/254 | | 279 | 3630 | 7400 | 360 | 480 |

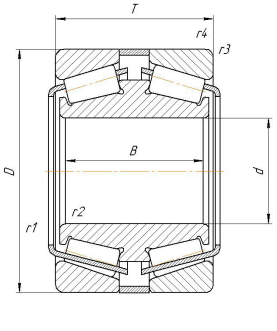
DESIGN OPTIONS:

| | | |
|---|---|---|
| 97… | (350 …) | - with the inner remote ring on layout «O» |
| 847… | (370 …) | - with the outer remote ring on layout «X» |
| 697… | (350 …R) | - with a groove under a retaining ring; |

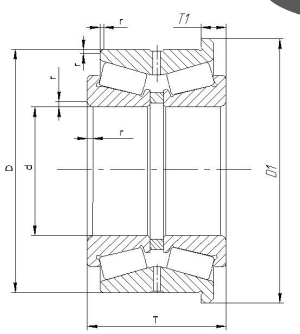
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass mechanically processed.




**97… (35. …)**




**847… (370 …)**



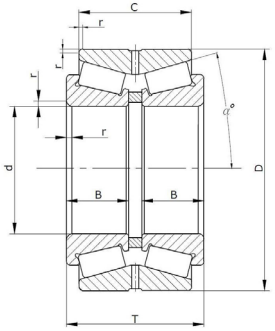

**697… (350 …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1097784 | 351184 | 420 | 700 | 200/275 | | 376 | 4430 | 9150 | 360 | 480 |
| 1097788 | 351188 | 440 | 720 | 200/275 | | 404 | 4950 | 10400 | 360 | 480 |
| 1097792 | 351192 | 460 | 760 | 218/294 | | - | - | - | - | - |
| 1097796 | 351196 | 480 | 790 | 220/300 | | - | - | - | - | - |
| 10977/500 | 3511/500 | 500 | 830 | 234/326 | | - | - | - | - | - |
| 10977/530 | 3511/530 | 530 | 870 | 242/330 | | - | - | - | - | - |
| 10977/560 | 3511/560 | 560 | 920 | 250/*352 | | - | - | - | - | - |
| 10977/600 | 3511/600 | 600 | 980 | 264/374 | | - | - | - | - | - |
| 10977/630 | 3511/630 | 630 | 1030 | 272/384 | | - | - | - | - | - |
| 10977/670 | 3511/670 | 670 | 1090 | 296/410 | | - | - | - | - | - |
| 10977/710 | 3511/710 | 710 | 1150 | 306/430 | | - | - | - | - | - |
| 10977/750 | 3511/750 | 750 | 1220 | 340/450 | | - | - | - | - | - |
| | | | | | | | | | | |
| 2097722 | 352122 | 110 | 180 | 84/100 | | - | - | - | - | - |
| 2097724 | 352124 | 120 | 200 | 90/110 | | 12,6 | 605 | 1060 | 1500 | 2000 |
| 2097726 | 352126 | 130 | 210 | 90/110 | | 13,9 | 605 | 1070 | 1300 | 1700 |
| 2097728 | 352128 | 140 | 225 | 100/120 | | - | - | - | - | - |
| 2097730 | 352130 | 150 | 250 | 112/138 | | 25,8 | 865 | 1560 | 1100 | 1500 |
| 2097732 | 352132 | 160 | 270 | 120/150 | | 28,3 | 965 | 1720 | 1000 | 1400 |
| 2097734 | 352134 | 170 | 280 | 120/150 | | 35,6 | 1070 | 2000 | 950 | 1300 |
| 2097736 | 352136 | 180 | 300 | 134/164 | | 39,9 | 1200 | 2350 | 890 | 1200 |
| 2097738 | 352138 | 190 | 320 | 134/172 | | 53,2 | 1520 | 2700 | 840 | 1100 |
| 2097740 | 352140 | 200 | 340 | 150/184 | | 63,8 | 1810 | 3400 | 800 | 1100 |
| 2097744 | 352144 | 220 | 370 | 166/200 | | 76,3 | 1680 | 3200 | 760 | 1000 |
| 2097748 | 352148 | 240 | 400 | 168/210 | | 98,1 | 2060 | 4050 | 630 | 840 |
| 2097752 | 352152 | 260 | 440 | 180/225 | | 124 | 2410 | 4750 | 580 | 770 |
| | | | | | | | | | | |
| 97810 | - | 50 | 90 | 64 | | 1,64 | - | - | - | - |
| 97814 | - | 70 | 110 | 28/38 | | 1,5 | 85 | 129 | - | 3270 |
| 97818 | - | 90 | 140 | 68 | | 3,41 | - | - | - | - |
| 97820 | - | 101,6 | 168,275 | 70/91,25 | | 8,5 | 354 | 646 | - | 2160 |
| 97825 | - | 127 | 206,4 | 83/107,25 | | 13,8 | 534 | 1042 | - | 1700 |
| 97830 | - | 150 | 254 | 110/144,25 | | 27,7 | 839 | 1516 | - | 1400 |
| 97841 | - | 205 | 317,5 | 110/150 | | 41 | 1004 | 2093 | - | 1065 |

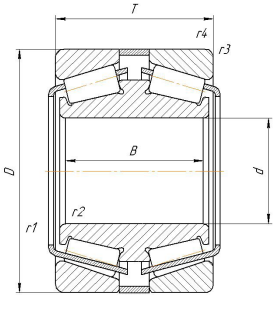
DESIGN OPTIONS:

| | | |
|---|---|---|
| 97… | (350 …) | - with the inner remote ring on layout «O» |
| 847… | (370 …) | - with the outer remote ring on layout «X» |
| 697… | (350 …R) | - with a groove under a retaining ring; |

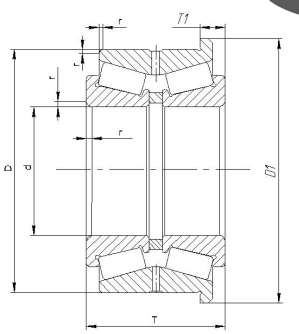
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass mechanically processed.




**97… (35. …)**




**847… (370 …)**



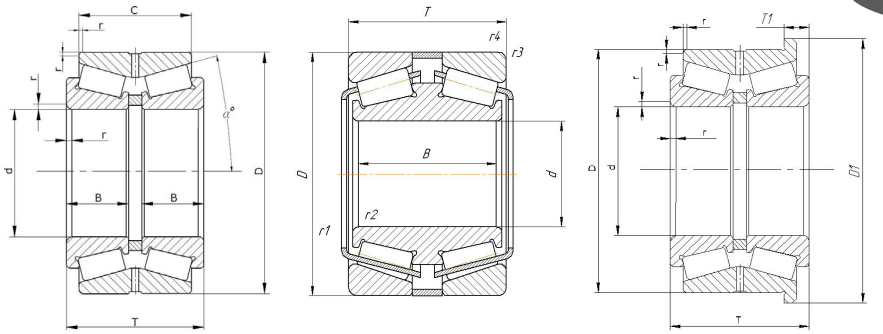

**697… (350 …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 97852 | - | 260 | 400 | 110/150 | | 60 | 1356 | 2555 | - | 830 |
| 97860 | - | 300 | 440 | 100/140 | | 61 | 1187 | 2354 | - | 730 |
| 297868 | - | 340 | 520 | 90/150 | | 108 | 1155 | 2960 | - | - |
| | | | | | | | | | | |
| 97918 | - | 90 | 140 | 56/68 | | 3,41 | 191,9 | 292,2 | - | - |
| 97919 | - | 95 | 145 | 69/84 | | 5,11 | 279,5 | 470,7 | - | - |
| 97920 | - | 100 | 150 | 76/92 | | 5,26 | 327 | 544,6 | - | - |
| 97921 | - | 95 | 170 | 47,67 | | 4,78 | - | - | - | - |
| 97925 | - | 127,025 | 235 | 115/145 | | 25,3 | 778 | 1314 | - | 1550 |
| 97927 | - | 133,375 | 215,925 | 81/106 | | 13,7 | 538 | 980 | - | 1600 |
| 97928 | - | 136,545 | 190,525 | 73/85 | | 7,12 | 350 | 800 | - | 1750 |
| 97930 | - | 152,4 | 270 | 93,5/117,25 | | 24,9 | 630 | 925 | - | 1350 |
| 97931 | - | 152,425 | 244,5 | 80/107,25 | | 17,6 | 560 | 1000 | - | 1400 |
| 97936 | - | 177,8 | 288,92 | 111,25/143 | | 33,2 | 968 | 1754 | - | 1450 |
| 97938 | - | 190 | 270 | 47/87,25 | | 21,45 | - | - | - | - |
| 97944 | - | 220 | 300 | 105/126 | | 24,7 | 710,1 | 1600 | - | - |
| 97945 | - | 228,6 | 358,77 | 152,4 | | 56,8 | - | - | - | - |
| 97946 | - | 230 | 330 | 90,24/122 | | 31,529 | 729 | 1768,4 | - | - |
| 97951 | - | 254 | 358,77 | 152,4 | | 45,3 | - | - | - | - |
| 97960 | - | 300,03 | 442,27 | 174,62 | | 71,54 | - | - | - | - |
| 97963 | - | 317,5 | 444,5 | 146,05 | | 61,3 | - | - | - | - |
| 97966 | - | 330,2 | 482,6 | 177,8 | | 96,9 | - | - | - | - |
| 97969 | - | 346,07 | 488,95 | 200,02 | | 112,5 | - | - | - | - |
| 979/610 | - | 609,6 | 812,8 | 146/189 | | 257 | 2896 | 7523 | - | - |
| | | | | | | | | | | |
| 1097976 | 351976 | 380 | 520 | 112/150 | | 88,2 | 1570 | 3626 | 530 | 710 |
| 1097980 | 351980 | 400 | 540 | 105/150 | | 84,6 | 1650 | 3850 | 530 | 710 |
| 1097984 | 351984 | 420 | 560 | 150 | | 87 | 1880 | 4450 | 360 | 480 |
| 1097988 | 351988 | 440 | 600 | 178 | | - | - | - | - | - |
| 1097992 | 351992 | 460 | 620 | 131/174 | | 131 | 2119 | 5010 | - | - |
| 1097996 | 351996 | 480 | 650 | 130/179 | | 168 | 2138 | 5154 | 360 | 480 |
| 10979/500 | 3519/500 | 500 | 670 | 130/179 | | 166 | 2341 | 5900 | 350 | 460 |
| 10979/530 | 3519/530 | 530 | 710 | 136/190 | | 193,4 | 2666 | 6548 | 320 | 420 |
| 10979/560 | 3519/560 | 560 | 750 | 156/213 | | 237,6 | 2787 | 7084 | 310 | 410 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 97… | (350 …) | - with the inner remote ring on layout «O» |
| 847… | (370 …) | - with the outer remote ring on layout «X» |
| 697… | (350 …R) | - with a groove under a retaining ring; |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass mechanically processed.



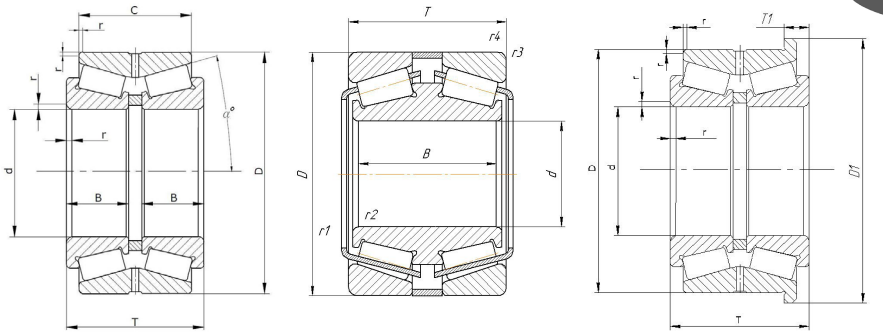

**97… (35. …)** **847… (370 …)** **697… (350 …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 10979/600 | 3519/600 | 600 | 800 | 160/210 | | 283 | 3446 | 9183 | 290 | 390 |
| 10979/630 | 3519/630 | 630 | 850 | 182/242 | | 361 | 4089 | 10385 | 280 | 380 |
| 10979/670 | 3519/670 | 670 | 900 | 174/238 | | - | - | - | - | - |
| 10979/710 | 3519/710 | 710 | 950 | 175/240 | | 443 | 4430 | 12217 | 250 | 320 |
| 10979/750 | 3519/750 | 750 | 1000 | 190/252 | | - | - | - | - | - |
| 10979/800 | 3519/800 | 800 | 1060 | 204/270 | | 604 | 5383 | 15297 | 220 | 300 |
| 10979/850 | 3519/850 | 850 | 1120 | 188/268 | | 650 | 5901 | 16468 | 210 | 270 |
| 10979/900 | 3519/900 | 900 | 1180 | 205/2785 | | 763 | 7640 | 21300 | 200 | 260 |
| 10979/950 | 3519/950 | 950 | 1250 | 220/300 | | 897 | 7870 | 22500 | 180 | 240 |
| 10979/1000 | 3519/1000 | 1000 | 1320 | 228/320 | | - | - | - | - | - |
| 10979/1120 | 3519/1120 | 1120 | 1460 | 250/335 | | 1350 | 9900 | 29500 | 160 | 210 |
| | | | | | | | | | | |
| 2097926 | 352926 | 130 | 180 | 62/75 | | - | - | - | - | - |
| 2097928 | 352928 | 140 | 190 | 62/75 | | - | - | - | - | - |
| 2097930 | 352930 | 150 | 210 | 70/85 | | 8,41 | 347 | 763 | - | 1700 |
| 2097932 | 352932 | 160 | 220 | 73/88 | | - | - | - | - | - |
| 2097934 | 352934 | 170 | 230 | 73/88 | | - | - | - | - | - |
| 2097936 | 352936 | 180 | 250 | 76/95 | | 13,2 | 530 | 1122 | - | 1450 |
| 2097938 | 352938 | 190 | 260 | 76/94 | | 13,5 | 551 | 1199 | - | 1350 |
| 2097940 | 352940 | 200 | 280 | 97/118 | | 20,8 | 691 | 1573 | - | 1300 |
| 2097944 | 352944 | 220 | 300 | 88/110 | | 21,4 | 731 | 1739 | - | 1180 |
| 2097948 | 352948 | 240 | 320 | 90/110 | | 22 | 749 | 1838 | - | 1100 |
| 2097952 | 352952 | 260 | 360 | 109/133 | | 38,1 | 1082 | 2458 | - | 950 |
| 2097956 | 352956 | 280 | 380 | 114/140 | | - | - | - | - | - |
| 2097960 | 352960 | 300 | 420 | 128/160 | | 62,4 | 1446 | 3440 | - | 830 |
| 2097964 | 352964 | 320 | 440 | 128/160 | | - | - | - | - | - |
| 2097968 | 352968 | 340 | 460 | 128/160 | | 71 | 1541 | 3885 | - | - |
| 2097972 | 352972 | 360 | 480 | 128/160 | | 74,4 | 1577 | 4067 | - | - |
| | | | | | | | | | | |
| | 370656 | 280 | 389,5 | 92 | | 33,3 | 870 | 1880 | 600 | 800 |
| 847156 | - | 280 | 420 | 129 | | 61,8 | - | - | - | - |
| | 370660 | 300 | 440 | 105 | | 55,5 | 980 | 2050 | 560 | 740 |
| 847164 | - | 320 | 480 | 149 | | 95,4 | - | - | - | - |
| | 370664 | 320 | 524 | 185 | | 152 | 2530 | 5150 | 450 | 600 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 97… | (350 …) | - with the inner remote ring on layout «O» |
| 847… | (370 …) | - with the outer remote ring on layout «X» |
| 697… | (350 …R) | - with a groove under a retaining ring; |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass mechanically processed.



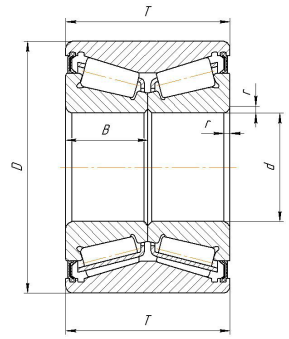

**97… (35. …)** **847… (370 …)** **697… (350 …R)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| | 370672 | 360 | 560 | 160 | | 141 | 2350 | 4640 | 380 | 500 |
| | 370676 | 380 | 560 | 200 | | 166 | 2800 | 6540 | 380 | 500 |
| | 370678 | 390 | 570 | 200 | | 166 | 2800 | 7000 | 380 | 500 |
| 847180 | - | 400 | 600 | 189 | | 184 | - | - | - | - |
| | 370680 | 400 | 650 | 200 | | 252 | 3400 | 6500 | 360 | 480 |
| | 370684 | 420 | 620 | 200 | | 211 | 2950 | 7150 | 360 | 480 |
| | 370690 | 450 | 702 | 180 | | 261 | 3120 | 6970 | 330 | 480 |
| | 370692 | 460 | 680 | 180 | | 211 | 3120 | 6940 | 360 | 480 |
| 847792 | - | 460 | 730 | 202 | | 332 | - | - | - | - |
| | 3706/500 | 500 | 730 | 280 | | 421 | 6500 | 15500 | 250 | 330 |
| | | | | | | | | | | |
| 847834 | - | 170 | 320 | 164 | | 60,14 | - | - | - | - |
| 847929 | - | 146,075 | 241,325 | 165,35 | | 28,8 | - | - | - | - |
| 847951 | - | 254,025 | 422,325 | 171,2 | | 94,3 | - | - | - | - |
| 847967 | - | 333,37 | 469,9 | 166,68 | | 94,7 | - | - | - | - |
| | | | | | | | | | | |
| 697510 | - | 50 | 90 | 54,625 | | 100 | 10,8 | 1,432 | 157 | 232 |
| 697712 Л | - | 60 | 100 | 58 | | 104,5 | 10 | 1,65 | 138,4 | 199,9 |
| 697716 Л | - | 80 | 140 | 85 | | 147 | 13,93 | 5,11 | 272,6 | 432,8 |
| 697722 Л | - | 110 | 170 | 87 | | 179 | 15,87 | 6,773 | 300,5 | 1090,8 |
| 697724 Л | - | 120 | 180 | 96,8 | | 188 | 15,15 | 8,15 | 370,2 | 681,6 |
| 697732 Л | - | 160 | 240 | 110 | | 248 | 17 | 16,4 | 549,75 | 1923 |
| 697737 Л | - | 185 | 235 | 85 | | 243 | 14 | 9,056 | 332,6 | 727,8 |
| 697742 Л | - | 210 | 290 | 110 | | 298 | 17 | 21,106 | 598,6 | 1364,3 |
| | | | | | | | | | | |
| 2697709 | - | 45 | 75 | 77,588 | | 81 | 9 | 1,08 | 107 | 177 |
| | | | | | | | | | | |
| 697814 Л | - | 70 | 120 | 71,24 | | 125,55 | 11,11 | 3,612 | 200 | 300 |
| 697815Л | - | 75 | 130 | 79 | | 136 | 12 | 4,015 | 267,5 | 410,7 |
| 697817 Л | - | 85 | 140 | 85 | | 146,34 | 14,28 | 4,725 | 272,6 | 434,2 |
| 697824 Л | - | 120 | 190 | 108 | | 198 | 17,6 | 10,5 | 457,5 | 806,2 |
| 697828 Л | - | 140 | 190 | 87 | | 198 | 12,7 | 6,88 | 264,4 | 574,7 |
| 697838 Л | - | 190 | 290 | 130 | | 304 | 23 | 29,2 | 694,7 | 1314 |
| | | | | | | | | | | |
| 697920 Л | - | 98,425 | 152,4 | 92 | | 159,34 | 15 | 5,49 | 333,9 | 545 |
| 697928 Л | - | 140 | 210 | 100 | | 218 | 15 | 11,3 | 497 | 942,4 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 537… | ..KWD... | - double-row closed on both sides |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- brass mechanically processed.



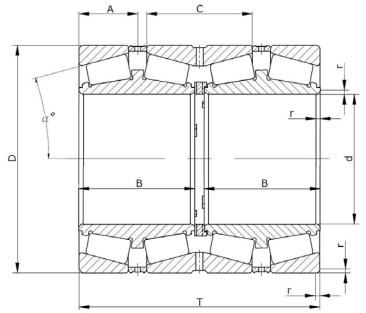

**537…(..KWD…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 537707 | - | 35 | 64 | 37 | | 0,556 | 68,5 | 99,8 | 3700 | - |
| 537708 | - | 39 | 72 | 37 | | 68,5 | 69,8 | 105 | 3700 | - |
| 537717 | - | 85 | 160 | 72 | | 7,46 | - | - | - | - |
| | | | | | | | | | | |
| 537807 | - | 35 | 68 | 37 | | 0,614 | 69,8 | 105 | 3700 | - |
| 537808 | - | 39 | 68 | 37 | | 0,546 | 69,7 | 105 | 3700 | - |
| 537814 | - | 70 | 158,8 | 59,625 | | 7,88 | - | - | - | - |
| | | | | | | | | | | |
| 537905 | - | 25 | 52 | 37 | | 0,367 | 58,5 | 75 | 5000 | - |
| 537906 | - | 30 | 60 | 37 | | 0,476 | 64,8 | 90,1 | 5000 | - |
| 537907 | - | 34 | 64 | 37 | | 0,556 | 68,5 | 99,7 | 3700 | - |
| 537908 | - | 37 | 72 | 37 | | 0,72 | 81,5 | 11,2 | 3700 | - |
| 537909 | - | 49 | 84 | 43 | | 0,94 | 108 | 156 | 3200 | - |
| 537910 | - | 50 | 84 | 54 | | 1,04 | 108 | 154,5 | 3200 | - |
| | | | | | | | | | | |
| | 30KWD01A | 30 | 58 | 42 | | 0,5 | 62 | 89 | - | - |
| | 37KWD01 | 37 | 74 | 45 | | 0,84 | 89 | 123 | - | - |
| | 38KWD01A | 38 | 64 | 37 | | 0,46 | 60,5 | 88 | - | - |
| | 39KWD02 | 38,993 | 72,011 | 37 | | 0,63 | 68,5 | 92,5 | - | - |
| | 45KWD05 | 45 | 80 | 50 | | 0,02 | 99,5 | 153 | - | - |
| | 46KWD03 | 46 | 78 | 49 | | 0,97 | 82,5 | 138 | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 77… | (38. …) | - four row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass mechanically processed (integral);.



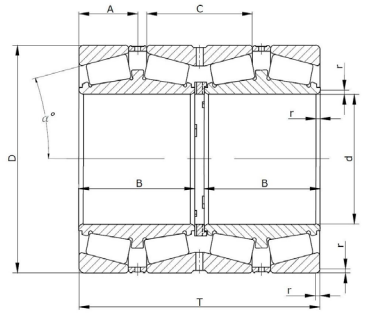

**77… (38. …)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 77124 | - | 120 | 180 | 109 | | 9,4 | 400 | 465 | - | - |
| 77126 | - | 130 | 200 | 125 | | 13,3 | 510 | 610 | - | - |
| 77128 | - | 140 | 210 | 125 | | 14,9 | 520 | 630 | - | - |
| 77130 | 382030 X2 | 150 | 225 | 136 | | 18,4 | 610 | 750 | - | - |
| 77132 | - | 160 | 240 | 145 | | 23,6 | 680 | 850 | - | - |
| 77134 | - | 170 | 260 | 160 | | 30 | 850 | 1080 | - | - |
| 77136 | 380636 | 180 | 280 | 180 | | 40,5 | 980 | 1220 | - | - |
| 77138 | - | 190 | 290 | 180 | | 42,3 | 1020 | 1270 | - | - |
| 77140 | 382040 X2 | 200 | 310 | 200 | | 51,2 | 1250 | 1560 | - | - |
| 77144 | - | 220 | 340 | 218 | | 71,6 | 1500 | 1900 | - | - |
| 77148 | - | 240 | 360 | 218 | | 76,3 | 1530 | 1960 | - | - |
| 77152 | - | 260 | 400 | 250 | | 111 | 2040 | 2650 | - | - |
| 77156 | 380656 | 280 | 420 | 250 | | 117 | 2080 | 2750 | - | - |
| 77160 | - | 300 | 460 | 290 | | 169 | 2900 | 3550 | - | - |
| 77164 | - | 320 | 480 | 290 | | 177 | 3100 | 3650 | - | - |
| 77168 | 381068 | 340 | 520 | 325 | | 241 | 3650 | 4400 | - | - |
| 77172 | - | 360 | 540 | 325 | | 253 | 3750 | 4650 | - | - |
| 77176 | 381076 | 380 | 560 | 325 | | 263 | 4810 | 5200 | - | - |
| 77180 * | 381080 | 400 | 600 | 355 | | 339 | 4650 | 5600 | - | - |
| 77184 | 381084 | 420 | 620 | 355 | | 351 | 4900 | 5700 | - | - |
| 77188 | - | 440 | 650 | 375 | | 402 | 5300 | 6550 | - | - |
| 77192 | - | 460 | 680 | 400 | | 465 | 5700 | 7100 | - | - |
| 77196 | - | 480 | 700 | 400 | | 482 | 5850 | 7200 | - | - |
| 771/500 * | 3810/500 X2 | 500 | 720 | 400 | | 504 | 6000 | 7500 | - | - |
| 771/530 | 3810/530 | 530 | 780 | 450 | | 693 | 6700 | 9300 | - | - |
| 771/560 * | - | 560 | 820 | 462 | | 762 | 7200 | 10000 | - | - |
| 771/600 | - | 600 | 870 | 488 | | 890 | 7650 | 11600 | - | - |
| 771/630 * | 3810/630 | 630 | 920 | 515 | | 1090 | 8300 | 12700 | - | - |
| 771/670 | - | 670 | 980 | 560 | | 1320 | 10000 | 17300 | - | - |
| 771/710 * | - | 710 | 1030 | 580 | | 1480 | 10200 | 18200 | - | - |
| 771/750 | - | 750 | 1090 | 690 | | 1770 | 11600 | 20800 | - | - |
| 771/800 | - | 800 | 1150 | 630 | | 1980 | 12000 | 21600 | - | - |
| 771/850 | - | 850 | 1220 | 670 | | 2360 | 13400 | 24500 | - | - |
| 771/900 | - | 900 | 1280 | 690 | | 2630 | 14000 | 26000 | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 77… | (38. …) | - four row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass mechanically processed (integral);.



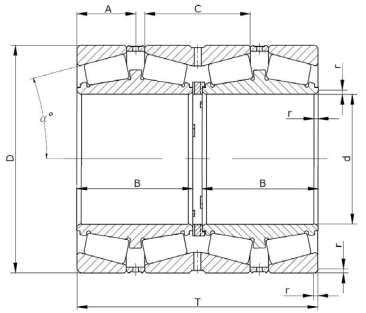

**77… (38. …)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 771/950 | - | 950 | 1360 | 730 | | 3180 | 15600 | 29000 | - | - |
| 771/1000 | - | 1000 | 1420 | 750 | | 3500 | 16600 | 30500 | - | - |
| | | | | | | | | | | |
| 2077120 | 382020 | 100 | 150 | 32 | | 1,86 | - | - | - | - |
| 2077126 | 382026 | 130 | 200 | 185 | | 22,6 | - | - | - | - |
| 2077140 | 382040 | 200 | 310 | 275 | | 75,8 | 1650 | 2490 | - | - |
| 2077144 | 382044 | 220 | 340 | 305 | | 104 | 1990 | 2800 | - | - |
| 2077148 | 382048 | 240 | 360 | 310 | | 108,7 | 2040 | 3110 | - | - |
| 2077152 | 382052 | 260 | 400 | 345 | | 152 | 2600 | 8920 | - | - |
| 2077156 | 382056 | 280 | 420 | 345 | | 159 | 2740 | 4060 | - | - |
| 2077160 | 382060 | 300 | 460 | 390 | | 238 | 3240 | 5070 | - | - |
| 2077164 | 382064 | 320 | 480 | 390 | | 242 | 3340 | 5340 | - | - |
| | | | | | | | | | | |
| 77741 | 380641 | 205 | 320 | 205 | | 54 | 1160 | 2850 | - | - |
| 77748 | - | 240 | 410 | 270 | | 146 | 2479 | 4955 | - | - |
| 77752 | 380652 | 260 | 400 | 255 | | 114 | 1630 | 4950 | - | - |
| 77757 | - | 285 | 410 | 245 | | 104,5 | 2177 | 5435 | - | - |
| 77760 | 380660 | 300 | 500 | 350 | | 262 | 3000 | 8900 | - | - |
| 77766 | - | 330 | 580 | 360 | | 408 | 4619 | 9806 | - | - |
| 77779 | 380679 | 395 | 545 | 289 | | 203 | 3161 | 9390 | - | - |
| 777/431 | - | 431,8 | 571,5 | 336,55 | | 229,5 | 3819 | 11933 | - | - |
| 77788 | 381088 X2 | 440 | 650 | 355 | | 403 | 4550 | 12300 | - | - |
| 77796 | - | 480 | 700 | 418,5 | | 563,2 | 6639 | 18199 | - | - |
| 777/533 | - | 533 | 810 | 448 | | 791 | 8023 | 19498 | - | - |
| 777/620 | - | 620 | 800 | 363 | | 478 | 6038 | 18971 | - | - |
| 777/647 | - | 647 | 1030 | 558 | | 1845 | 14704 | 35801 | - | - |
| 777/650 | - | 650 | 1030 | 558 | | 1831 | 14704 | 35801 | - | - |
| 777/660 | - | 660 | 1070 | 648 | | 2083 | 16472 | 40390 | - | - |
| 777/750 | - | 750 | 1130 | 688 | | 2480 | 17290 | 49699 | - | - |
| 777/1000 | - | 1000 | 1580 | 800 | | 6158 | 27192 | 76267 | - | - |
| | | | | | | | | | | |
| 1077756 | 381156 | 280 | 460 | 324 | | 193 | 2800 | 3840 | - | - |
| 1077760 | 381160 | 300 | 500 | 366 | | - | - | - | - | - |
| 1077764 | 381164 | 320 | 540 | 406 | | - | - | - | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 77… | (38. …) | - four row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass mechanically processed (integral);.



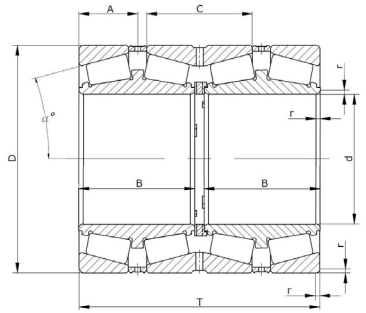

**77… (38. …)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1077768 | 381168 | 340 | 580 | 420 | | 468 | 5550 | 12300 | - | - |
| 1077772 | 381172 | 360 | 600 | 420 | | 388 | 4340 | 13500 | - | - |
| 1077776 | 381176 | 380 | 620 | 420 | | 515 | 4740 | 6620 | - | - |
| 1077780 | 381180 | 400 | 650 | 456 | | - | - | - | - | - |
| 1077784 | 381184 | 420 | 700 | 480 | | - | - | - | - | - |
| 1077788 | 381188 | 440 | 720 | 480 | | - | - | - | - | - |
| 1077792 | 381192 | 460 | 760 | 520 | | 1061 | 9386 | 22528 | - | - |
| 1077796 | 381196 | 480 | 790 | 530 | | 1074 | 9598 | 23517 | - | - |
| 10777/500 | 3811/500 | 500 | 830 | 570 | | 1264 | 9540 | 14440 | - | - |
| 10777/530 | 3811/530 | 530 | 870 | 590 | | - | - | - | - | - |
| 10777/560 | 3811/560 | 560 | 920 | 620 | | 1602 | 11400 | 17900 | - | - |
| 10777/600 | 3811/600 | 600 | 980 | 650 | | - | - | - | - | - |
| 10777/630 | 3811/630 | 630 | 1030 | 670 | | - | - | - | - | - |
| 10777/670 | 3811/670 | 670 | 1090 | 710 | | 2573 | 14800 | 25550 | - | - |
| 10777/710 | 3811/710 | 710 | 1150 | 750 | | - | - | - | - | - |
| 10777/750 | 3811/750 | 750 | 1220 | 838 | | 3917 | 25119 | 68498 | - | - |
| | | | | | | | | | | |
| 77856 | - | 280 | 500 | 313,5 | | 254 | 3424 | 6962 | - | - |
| 77860 | 380660 | 300 | 500 | 350 | | 280 | 3000 | 8900 | - | - |
| 77868 | - | 340 | 510 | 420 | | 296,4 | 5250 | 13695 | - | - |
| 77880 | 380680 | 400 | 540 | 280 | | 180 | 2690 | 6500 | - | - |
| 77884 | 380684 | 420 | 560 | 437 | | 298 | 7900 | 16300 | - | - |
| 77888 | 380688 | 440 | 620 | 454 | | 385 | 7600 | 20200 | - | - |
| 77892 | 380692 | 460 | 650 | 474 | | 477 | 7200 | 18500 | - | - |
| 778/520 | - | 520 | 950 | 578 | | 1909,5 | 13602 | 31013 | - | - |
| 778/530 | 3810/530 | 530 | 780 | 450 | | 778 | 6550 | 18200 | - | - |
| 778/540 | - | 540 | 690 | 400 | | 368,5 | 5290 | 17750 | - | - |
| 778/660 | 3806/660 | 660 | 855 | 318 | | 470 | 6320 | 18000 | - | - |
| 778/750 | - | 750 | 1090 | 578 | | 1799 | 13437 | 38488 | - | - |
| 778/1000 | - | 1000 | 1420 | 800 | | 4187 | 26433 | 81665 | - | - |
| 778/1320 | - | 1320 | 1850 | 1027 | | 8916 | 40906 | 137758 | - | - |
| | | | | | | | | | | |
| 77924 | - | 120 | 165 | 80 | | 4,8 | 270 | 290 | - | - |
| 77926 | - | 130 | 180 | 90 | | 6,5 | 355 | 405 | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 77… | (38. …) | - four row |

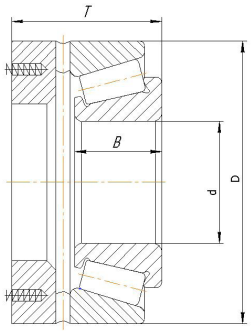
OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass mechanically processed (integral);.




**77… (38. …)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 77928 | - | 140 | 190 | 90 | | 7 | 355 | 480 | - | - |
| 77930 | - | 150 | 210 | 109 | | 11 | 475 | 550 | - | - |
| 77932 | - | 160 | 220 | 109 | | 11,6 | 490 | 600 | - | - |
| 77934 | - | 170 | 230 | 109 | | 13 | 510 | 620 | - | - |
| 77936 | - | 180 | 250 | 125 | | 17,5 | 620 | 735 | - | - |
| 77938 | - | 190 | 260 | 125 | | 19 | 640 | 765 | - | - |
| 77940 | - | 200 | 280 | 145 | | 27 | 815 | 980 | - | - |
| 77944 | - | 220 | 300 | 145 | | 28 | 865 | 1060 | - | - |
| 77948 | - | 240 | 320 | 145 | | 30 | 965 | 1140 | - | - |
| 77952 | - | 260 | 360 | 180 | | 58 | 1220 | 1660 | - | - |
| 77953 | - | 280 | 355,6 | 228,7 | | 62,4 | - | - | - | - |
| 77954 | - | 269,875 | 381 | 282,575 | | 105 | - | - | - | - |
| 77956 | - | 280 | 380 | 180 | | 60 | 1270 | 1760 | - | - |
| 77960 | - | 300 | 420 | 218 | | 87,5 | 1700 | 2320 | - | - |
| 77961 | - | 304,675 | 438 | 280 | | 136 | - | - | - | - |
| 77964 | - | 320 | 440 | 218 | | 101,5 | 1760 | 2450 | - | - |
| 77968 | - | 343 | 457 | 254 | | 116,8 | - | - | - | - |
| 77968 | - | 340 | 460 | 218 | | 107 | 1800 | 2600 | - | - |
| 77972 | - | 360 | 480 | 218 | | 113 | 1960 | 2750 | - | - |
| 77976 | - | 381 | 571,5 | 311 | | 279 | - | - | - | - |
| 77976 | - | 380 | 520 | 250 | | 158 | 2400 | 3400 | - | - |
| 77980 | - | 400 | 540 | 250 | | 170 | 2450 | 3450 | - | - |
| 77984 | - | 420 | 560 | 250 | | 180 | 2500 | 3550 | - | - |
| 77988 | - | 440 | 600 | 290 | | 254 | 3050 | 4650 | - | - |
| 77992 | - | 460 | 620 | 290 | | 266 | 3150 | 4900 | - | - |
| 77996 | - | 480 | 650 | 308 | | 308 | 3400 | 5300 | - | - |
| 779/500 | - | 500 | 670 | 308 | | 315 | 3800 | 5500 | - | - |
| 779/530 | - | 530 | 710 | 398 | | 436 | 6109 | 19640 | - | - |
| 779/600 | - | 600 | 800 | 363 | | 537 | 5909 | 18367 | - | - |
| 779/630 | - | 630 | 850 | 424 | | 690 | 7524 | 22754 | - | - |
| 779/660 | - | 660 | 800 | 365 | | 531 | - | - | - | - |
| | | | | | | | | | | |
| 2077960 | - | 300 | 420 | 290 | | 122 | 2600 | 7406 | - | - |

# ROLLER CONICAL BEARINGS SINGLE-ROW WITH THE SPRING AT THE WIDE SIDE OF THE OUTER RACE



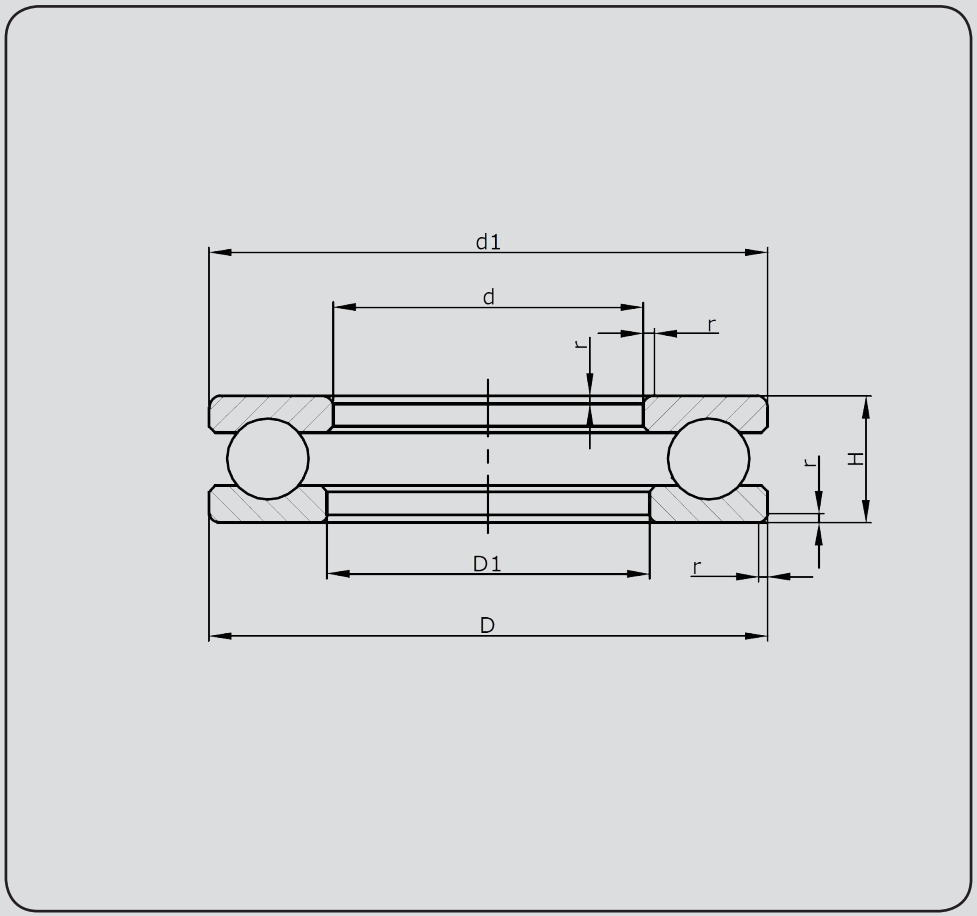

**17…**

DESIGN OPTIONS:

| | | |
|---|---|---|
| 17… | | - with spring on the wide end of the outer ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped;
- steel combined;
- brass mechanically processed (integral)

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 17713 | - | 65 | 120 | 65,44 | | 2,67 | 117,2 | 95,4 | - | - |
| 17715 | - | 75 | 130 | 68,75 | | 2,93 | - | - | - | - |
| 17716 | - | 80 | 140 | 77,07 | | 3,11 | 153 | 210,8 | - | - |
| 17717 | - | 85 | 140 | 77,07 | | 3,23 | 153 | 210,8 | - | - |
| 17720 | - | 100 | 180 | 92 | | 8,407 | 244,9 | 353,6 | - | - |
| 17722 | - | 110 | 170 | 73 | | 4,822 | 176,8 | 271,2 | - | - |
| 17724 | - | 120 | 180 | 88,65 | | 6,29 | 216,7 | 340,8 | - | - |
| 17744 | - | 220 | 300 | 100 | | 23,8 | - | - | - | - |
| | | | | | | | | | | |
| 17810 | - | 50 | 90 | 57,7 | | 1,21 | 74,8 | 95,4 | - | - |
| 17814 | - | 70 | 120 | 65,44 | | 2,54 | 116,6 | 157,7 | - | - |
| 17818 | - | 90 | 140 | 62 | | 2,88 | 110,2 | 146,1 | - | - |
| 17819 | - | 95 | 152,4 | 68,5 | | 3,45 | 152,6 | 201 | - | - |
| 17824 | - | 120 | 190 | 98,4 | | 7,9 | 266,8 | 412,5 | - | - |
| 17828 | - | 140 | 190 | 80 | | 3,1 | 152,5 | 291,4 | - | - |
| 17832 | - | 160 | 210 | 80 | | 5,1 | - | - | - | - |
| 17836 | - | 180 | 235 | 77,5 | | 7,253 | 194,4 | 363,5 | - | - |
| 17838 | - | 190 | 290 | 119,09 | | 23,73 | - | - | - | - |
| | | | | | | | | | | |
| 17917 | - | 85 | 135 | 67 | | 2,6 | - | - | - | - |
| 17920 | - | 98,425 | 152,4 | 83,9 | | 4,11 | 194,8 | 279,5 | - | - |
| 17934 | - | 170 | 230 | 90,35 | | 8,3 | - | - | - | - |




# THRUST BALL AND THRUST RADIAL BEARINGS

**(TYPE BEARINGS «8»)**


**SINGLE THRUST BEARING ..... 582**

**SINGLE THRUST BEARING WITH THE BASE RACE AND WITHOUT ..... 602**

**DOUBLE THRUST BEARING WITH BASE RACE AND WITHOUT ..... 614**

**THRUST RADIAL ..... 622**

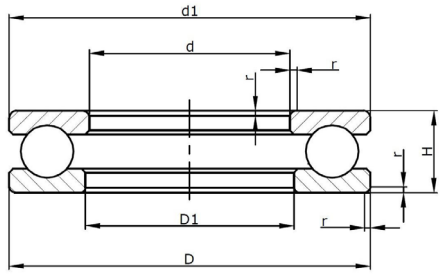
**SINGLE THRUST BEARING WITHOUT SEPARATOR IN THE HOUSING ..... 628**

**SINGLE THRUST BEARING IN THE HOUSING ..... 630**

DESIGN OPTIONS:

| | | |
|---|---|---|
| 8 000 | (51…) | - single |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped twosemiseparator;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast



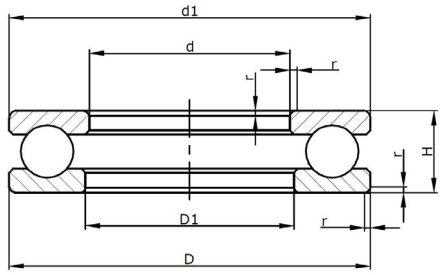

**8 000 (51…)**

| GOST designation | ISO designation | Диаметр отверстия (d, мм) | Diameter of the hole free ring (D1, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8100 | - | 10 | 10,2 | 24 | 9 | | 0,02 | 10 | 11,8 | 7000 | 9500 |
| 8101 | - | 12 | 12,2 | 26 | 9 | | 0,02 | 10,4 | 12,9 | 7000 | 9500 |
| 8102 | - | 15 | 15,2 | 28 | 9 | | 0,02 | 10,6 | 14 | 6300 | 8500 |
| 8103 | - | 17 | 17,2 | 30 | 9 | | 0,03 | 11,4 | 16,6 | 6300 | 8500 |
| 8104 | - | 20 | 20,2 | 35 | 10 | | 0,04 | 15 | 22,4 | 5600 | 7500 |
| 8105 | - | 25 | 25,2 | 42 | 11 | | 0,06 | 18 | 30 | 4800 | 6300 |
| 8106 | - | 30 | 30,2 | 47 | 11 | | 0,07 | 19 | 33,5 | 4500 | 6000 |
| 8107 | - | 35 | 35,2 | 52 | 12 | | 0,06 | 20 | 39 | 4300 | 5600 |
| 8108 | - | 40 | 40,2 | 60 | 13 | | 0,12 | 27 | 53 | 3800 | 5000 |
| 8109 | - | 45 | 45,2 | 65 | 14 | | 0,15 | 28 | 58,5 | 3400 | 4500 |
| 8110 | - | 50 | 50,2 | 70 | 14 | | 0,16 | 29 | 64 | 3400 | 4500 |
| 8111 | - | 55 | 55,2 | 78 | 16 | | 0,24 | 30,5 | 63 | 3000 | 4000 |
| 8112 | - | 60 | 60,2 | 85 | 17 | | 0,29 | 41,5 | 95 | 2600 | 3600 |
| 8113 | - | 65 | 65,2 | 90 | 18 | | 0,34 | 38 | 85 | 2400 | 3200 |
| 8114 | - | 70 | 70,2 | 95 | 18 | | 0,36 | 40 | 93 | 2400 | 3200 |
| 8115 | - | 75 | 75,2 | 100 | 19 | | 0,42 | 44 | 104 | 2200 | 3200 |
| 8116 | - | 80 | 80,2 | 105 | 19 | | 0,43 | 45 | 108 | 2000 | 3000 |
| 8117 | - | 85 | 85,2 | 110 | 19 | | 0,46 | 45,5 | 114 | 2000 | 3000 |
| 8118 | - | 90 | 90,2 | 120 | 22 | | 0,68 | 45,5 | 118 | 1800 | 2600 |
| 8120 | - | 100 | 100,2 | 135 | 25 | | 0,99 | 61 | 160 | 1700 | 2400 |
| 8122 | - | 110 | 110,2 | 145 | 25 | | 1,08 | 65,5 | 186 | 1600 | 2200 |
| 8124 | - | 120 | 120,2 | 155 | 25 | | 1,16 | 65,5 | 193 | 1600 | 2200 |
| 8126 | - | 130 | 130,3 | 170 | 30 | | 1,87 | 90 | 255 | 1400 | 1900 |
| 8128 | - | 140 | 140,3 | 180 | 31 | | 2,07 | 98 | 285 | 1300 | 1800 |
| 8130 | - | 150 | 150,3 | 190 | 31 | | 2,2 | 98 | 290 | 1200 | 1700 |
| 8132 | - | 160 | 160,3 | 200 | 31 | | 2,33 | 112 | 365 | 1200 | 1700 |
| 8134 | - | 170 | 170,3 | 215 | 34 | | 3,31 | 134 | 430 | 1100 | 1600 |
| 8136 | - | 180 | 180,3 | 225 | 34 | | 3,48 | 134 | 440 | 1000 | 4500 |
| 8138 | - | 190 | 190,3 | 240 | 37 | | 4,06 | 170 | 550 | 950 | 1400 |
| 8140 | - | 200 | 200,3 | 250 | 37 | | 4,24 | 173 | 570 | 950 | 1400 |
| 8144 | - | 220 | 220,3 | 270 | 37 | | 4,62 | 176 | 620 | 900 | 1300 |
| 8148 | - | 240 | 240,3 | 300 | 45 | | 7,55 | 236 | 830 | 800 | 1100 |
| 8152 | - | 260 | 360,3 | 320 | 45 | | 8,11 | 245 | 900 | 800 | 1100 |
| 8156 | - | 280 | 280,3 | 350 | 53 | | 12,2 | 325 | 1160 | 700 | 950 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 8 000 | (51…) | - single |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped twosemiseparator;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast



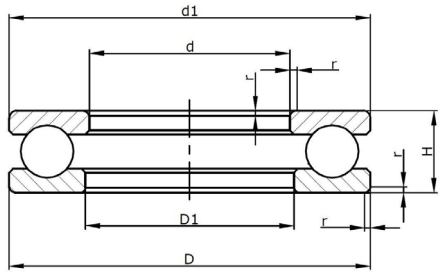

**8 000 (51…)**

| GOST designation | ISO designation | Диаметр отверстия (d, мм) | Diameter of the hole free ring (D1, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8160 | - | 300 | 300,3 | 380 | 62 | | 17,5 | 360 | 1370 | 630 | 850 |
| 8164 | - | 320 | 320,4 | 400 | 63 | | 18,9 | 380 | 1500 | 600 | 800 |
| 8168 | - | 340 | 340,4 | 420 | 64 | | 20,3 | 400 | 1600 | 600 | 750 |
| 8172 | - | 360 | 360,4 | 440 | 65 | | 21,8 | 405 | 1700 | 560 | 750 |
| 8180 | - | 400 | 400,4 | 480 | 65 | | 24,6 | 440 | 1950 | 450 | 670 |
| 8192 | - | 460 | 460,5 | 560 | 80 | | 43,4 | 530 | 2600 | 375 | 560 |
| 81/500 | 511/500 | 500 | 500,5 | 600 | 80 | | 46,7 | 550 | 2800 | 355 | 530 |
| 81/560 | 511/560 | 560 | 560,5 | 670 | 85 | | 58 | 630 | 4150 | 320 | 480 |
| 81/600 | 511/600 | 600 | 600,5 | 710 | 85 | | 64 | 638 | 4250 | 305 | 460 |
| | | | | | | | | | | | |
| 8100 H | 51100 | 10 | 11 | 24 | 9 | | 0,02 | 10 | 11,8 | 7000 | 9500 |
| 8101 H | 51101 | 12 | 13 | 26 | 9 | | 0,02 | 10,4 | 12,9 | 7000 | 9500 |
| 8102 H | 51102 | 15 | 16 | 28 | 9 | | 0,02 | 10,6 | 14 | 6300 | 8500 |
| 8103 H | 51103 | 17 | 18 | 30 | 9 | | 0,3 | 11,4 | 16,6 | 6300 | 8500 |
| 8104 H | 51104 | 20 | 21 | 35 | 10 | | 0,04 | 15 | 22,4 | 5600 | 7500 |
| 8105 H | 51105 | 25 | 26 | 42 | 11 | | 0,06 | 18 | 30 | 4800 | 6300 |
| 8106 H | 51106 | 30 | 32 | 47 | 11 | | 0,07 | 19 | 33,5 | 4500 | 6000 |
| 8107 H | 51107 | 35 | 37 | 52 | 12 | | 0,08 | 20 | 39 | 4300 | 5600 |
| 8108 H | 51108 | 40 | 42 | 60 | 13 | | 0,12 | 27 | 53 | 3800 | 5000 |
| 8109 H | 51109 | 45 | 47 | 65 | 14 | | 0,15 | 28 | 58,5 | 3400 | 4500 |
| 8110 H | 51110 | 50 | 52 | 70 | 14 | | 0,16 | 29 | 64 | 3400 | 4500 |
| 8111 H | 51111 | 55 | 57 | 78 | 16 | | 0,24 | 30,5 | 63 | 3000 | 4000 |
| 8112 H | 51112 | 60 | 62 | 85 | 17 | | 0,29 | 41,5 | 95 | 2600 | 3600 |
| 8113 H | 51113 | 65 | 67 | 90 | 18 | | 0,34 | 38 | 85 | 2400 | 3200 |
| 8114 H | 51114 | 70 | 72 | 95 | 18 | | 0,36 | 40 | 93 | 2400 | 3200 |
| 8115 H | 51115 | 75 | 77 | 100 | 19 | | 0,42 | 44 | 104 | 2200 | 3200 |
| 8116 H | 51116 | 80 | 82 | 105 | 19 | | 0,43 | 45 | 108 | 2000 | 3000 |
| 8117 H | 51117 | 85 | 87 | 110 | 19 | | 0,46 | 45,5 | 114 | 2000 | 3000 |
| 8118 H | 51118 | 90 | 92 | 120 | 22 | | 0,68 | 45,5 | 118 | 1800 | 2600 |
| 8120 H | 51120 | 100 | 102 | 135 | 25 | | 0,99 | 61 | 160 | 1700 | 2400 |
| 8122 H | 51122 | 110 | 112 | 145 | 25 | | 1,06 | 65,5 | 186 | 1600 | 2200 |
| 8124 H | 51124 | 120 | 122 | 155 | 25 | | 1,16 | 65,5 | 193 | 1600 | 2200 |
| 8126 H | 51126 | 130 | 132 | 170 | 30 | | 1,87 | 90 | 255 | 1400 | 1900 |
| 8128 H | 51128 | 140 | 142 | 180 | 31 | | 2,07 | 98 | 285 | 1300 | 1800 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 8 000 | (51…) | - single |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped twosemiseparator;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast



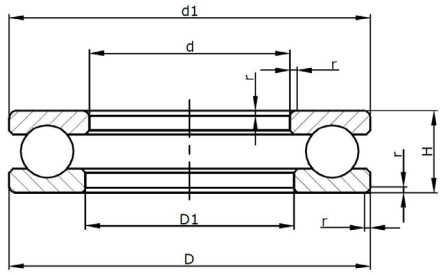

**8 000 (51…)**

| GOST designation | ISO designation | Диаметр отверстия (d, мм) | Diameter of the hole free ring (D1, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8130 H | 51130 | 150 | 152 | 190 | 31 | | 2,2 | 98 | 290 | 1200 | 1700 |
| 8132 H | 51132 | 160 | 162 | 200 | 31 | | 2,33 | 112 | 365 | 1200 | 1700 |
| 8134 H | 51134 | 170 | 172 | 215 | 34 | | 3,31 | 134 | 430 | 1100 | 1600 |
| 8136 H | 51136 | 180 | 183 | 225 | 34 | | 3,48 | 134 | 440 | 1000 | 1500 |
| 8138 H | 51138 | 190 | 193 | 240 | 37 | | 4,06 | 170 | 550 | 950 | 1400 |
| 8140 H | 51140 | 200 | 203 | 250 | 37 | | 4,24 | 173 | 570 | 950 | 1400 |
| 8144 H | 51144 | 220 | 223 | 270 | 37 | | 4,62 | 176 | 620 | 900 | 1300 |
| 8148 H | 51148 | 240 | 243 | 300 | 45 | | 7,55 | 236 | 830 | 800 | 1100 |
| 8152 H | 51152 | 260 | 263 | 320 | 45 | | 8,11 | 245 | 900 | 800 | 1100 |
| 8156 H | 51156 | 280 | 283 | 350 | 53 | | 12,2 | 325 | 1160 | 700 | 950 |
| 8160 H | 51160 | 300 | 304 | 380 | 62 | | 17,6 | 360 | 1370 | 630 | 850 |
| 8164 H | 51164 | 320 | 324 | 400 | 63 | | 18,9 | 380 | 1500 | 600 | 800 |
| 8168 H | 51168 | 340 | 344 | 420 | 64 | | 20,3 | 400 | 1600 | 600 | 750 |
| 8172 H | 51172 | 360 | 364 | 440 | 65 | | 21,8 | 405 | 1700 | 560 | 750 |
| 8176 H | 51176 | 380 | 384 | 460 | 65 | | 23,1 | 440 | 1950 | 560 | 750 |
| 8180 H | 51180 | 400 | 404 | 480 | 65 | | 24,6 | 530 | 2600 | 450 | 670 |
| 8184 H | 51184 | 420 | 424 | 500 | 65 | | 25,1 | 550 | 2800 | 420 | 630 |
| 8188 H | 51188 | 440 | 444 | 540 | 80 | | 41,8 | 530 | 2550 | 390 | 590 |
| 8192 H | 51192 | 460 | 464 | 560 | 80 | | 43,4 | 530 | 2600 | 375 | 560 |
| 8196 H | 51196 | 480 | 484 | 580 | 80 | | 45,1 | 540 | 2700 | 370 | 550 |
| 81/500 H | 511/500 | 500 | 504 | 600 | 80 | | 46,7 | 550 | 2800 | 355 | 530 |
| 81/530 H | 511/530 | 530 | 535 | 640 | 85 | | 56,3 | 620 | 3350 | 320 | 480 |
| | | | | | | | | | | | |
| 8200 | - | 10 | 10,2 | 26 | 11 | | 0,03 | 12,7 | 14,3 | 6000 | 8000 |
| 8201 | - | 12 | 12,2 | 28 | 11 | | 0,03 | 13,2 | 16 | 5600 | 7500 |
| 8202 | - | 15 | 15,2 | 32 | 12 | | 0,05 | 16,6 | 20,8 | 5300 | 7000 |
| 8203 | - | 17 | 17,2 | 35 | 12 | | 0,05 | 17,3 | 23,2 | 5000 | 6700 |
| 8204 | - | 20 | 20,2 | 40 | 14 | | 0,08 | 22,4 | 32 | 4300 | 5600 |
| 8205 | - | 25 | 25,2 | 47 | 15 | | 0,12 | 28 | 42,5 | - | - |
| 8206 | - | 30 | 30,2 | 52 | 16 | | 0,14 | 25,5 | 40 | - | - |
| 8207 | - | 35 | 35,2 | 62 | 18 | | 0,22 | 35,5 | 57 | - | - |
| 8208 | - | 40 | 40,2 | 68 | 19 | | 0,27 | 46,5 | 83 | - | - |
| 8209 | - | 45 | 45,2 | 73 | 20 | | 0,32 | 39 | 67 | - | - |
| 8210 | - | 50 | 50,2 | 78 | 22 | | 0,39 | 50 | 90 | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 8 000 | (51…) | - single |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped twosemiseparator;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast



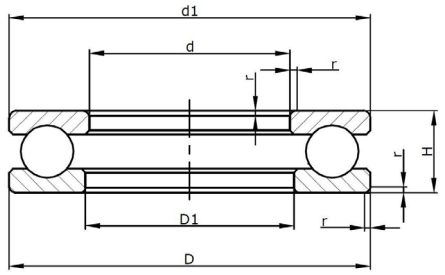

**8 000 (51…)**

| GOST designation | ISO designation | Диаметр отверстия (d, мм) | Diameter of the hole free ring (D1, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8211 | - | 55 | 55,2 | 90 | 25 | | 0,61 | 61 | 114 | - | - |
| 8212 | - | 60 | 60,2 | 95 | 26 | | 0,69 | 62 | 118 | - | - |
| 8213 | - | 65 | 65,2 | 100 | 27 | | 0,77 | 64 | 125 | - | - |
| 8214 | - | 70 | 70,2 | 105 | 27 | | 0,81 | 65,5 | 134 | - | - |
| 8215 | - | 75 | 75,2 | 110 | 27 | | 0,86 | 67 | 143 | - | - |
| 8216 | - | 80 | 80,2 | 115 | 28 | | 0,95 | 75 | 160 | - | - |
| 8217 | - | 85 | 85,2 | 125 | 31 | | 1,29 | 98 | 212 | - | - |
| 8218 | - | 90 | 90,2 | 135 | 35 | | 1,77 | 120 | 255 | - | - |
| 8220 | - | 100 | 100,2 | 150 | 38 | | 2,36 | 122 | 270 | - | - |
| 8222 | - | 110 | 110,2 | 160 | 38 | | 2,57 | 129 | 305 | - | - |
| 8224 | - | 120 | 120,2 | 170 | 39 | | 2,66 | 140 | 335 | - | - |
| 8226 | - | 130 | 130,3 | 190 | 45 | | 4,19 | 183 | 455 | - | - |
| 8228 | - | 140 | 140,3 | 200 | 46 | | 4,88 | 190 | 475 | - | - |
| 8230 | - | 150 | 150,3 | 215 | 50 | | 6,19 | 236 | 620 | - | - |
| 8232 | - | 160 | 160,3 | 225 | 51 | | 6,67 | 245 | 655 | - | - |
| 8236 | - | 180 | 180,3 | 250 | 56 | | 8,85 | 290 | 830 | - | - |
| 8240 | - | 200 | 200,3 | 280 | 62 | | 12,4 | 340 | 1020 | - | - |
| 8244 | - | 220 | 220,3 | 300 | 63 | | 13,7 | 355 | 1120 | - | - |
| 8248 | - | 240 | 240,3 | 340 | 78 | | 23,6 | 465 | 1560 | - | - |
| 8252 | - | 260 | 260,3 | 360 | 79 | | 25,6 | 475 | 1660 | - | - |
| 8256 | - | 280 | 280,3 | 380 | 80 | | 27,6 | 490 | 1800 | - | - |
| 8260 | - | 300 | 300,3 | 420 | 95 | | 43,1 | 610 | 2320 | - | - |
| 8264 | - | 320 | 320,4 | 440 | 95 | | 45,5 | 620 | 2450 | - | - |
| 8268 | - | 340 | 340,4 | 460 | 96 | | 48,4 | 640 | 2650 | - | - |
| 8272 | - | 360 | 360,4 | 500 | 110 | | 70 | 765 | 3250 | - | - |
| 8292 | - | 460 | 460,5 | 620 | 130 | | 117,2 | 850 | 4170 | - | - |
| 8296 | - | 480 | 480,5 | 650 | 135 | | 138,6 | 950 | 4750 | - | - |
| | | | | | | | | | | | |
| 8200 H | 51200 | 10 | 12 | 26 | 11 | | 0,03 | 12,7 | 14,3 | 6000 | 8000 |
| 8201 H | 51201 | 12 | 14 | 28 | 11 | | 0,03 | 13,2 | 16 | 5600 | 7500 |
| 8202 H | 51202 | 15 | 17 | 32 | 12 | | 0,05 | 16,6 | 20,8 | 5300 | 7000 |
| 8203 H | 51203 | 17 | 19 | 35 | 12 | | 0,05 | 17,3 | 23,2 | 5000 | 6700 |
| 8204 H | 51204 | 20 | 22 | 40 | 14 | | 0,08 | 22,4 | 32 | 4300 | 5600 |
| 8205 H | 51205 | 25 | 27 | 47 | 15 | | 0,12 | 28 | 42,5 | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 8 000 | (51…) | - single |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped twosemiseparator;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast



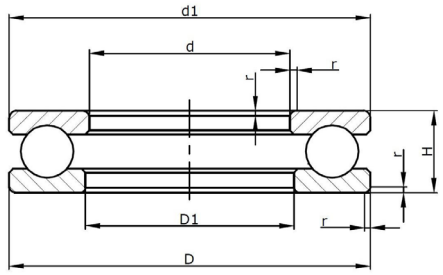

**8 000 (51…)**

| GOST designation | ISO designation | Диаметр отверстия (d, мм) | Diameter of the hole free ring (D1, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8206 H | 51206 | 30 | 32 | 52 | 16 | | 0,14 | 25,5 | 40 | - | - |
| 8207 H | 51207 | 35 | 37 | 62 | 18 | | 0,22 | 35,5 | 57 | - | - |
| 8208 H | 51208 | 40 | 42 | 68 | 19 | | 0,27 | 46,5 | 83 | - | - |
| 8209 H | 51209 | 45 | 47 | 73 | 20 | | 0,32 | 39 | 67 | - | - |
| 8210 H | 51210 | 50 | 52 | 78 | 22 | | 0,39 | 50 | 90 | - | - |
| 8211 H | 51211 | 55 | 57 | 90 | 25 | | 0,61 | 61 | 114 | - | - |
| 8212 H | 51212 | 60 | 62 | 95 | 26 | | 0,69 | 62 | 118 | - | - |
| 8213 H | 51213 | 65 | 67 | 100 | 27 | | 0,77 | 64 | 125 | - | - |
| 8214 H | 51214 | 70 | 72 | 105 | 27 | | 0,81 | 65,5 | 134 | - | - |
| 8215 H | 51215 | 75 | 77 | 110 | 27 | | 0,86 | 67 | 143 | - | - |
| 8216 H | 51216 | 80 | 82 | 115 | 28 | | 0,95 | 75 | 160 | - | - |
| 8217 H | 51217 | 85 | 88 | 125 | 31 | | 1,29 | 98 | 212 | - | - |
| 8218 H | 51218 | 90 | 93 | 135 | 35 | | 1,77 | 120 | 255 | - | - |
| 8220 H | 51220 | 100 | 103 | 150 | 38 | | 2,36 | 122 | 270 | - | - |
| 8222 H | 51222 | 110 | 113 | 160 | 38 | | 2,57 | 129 | 305 | - | - |
| 8224 H | 51224 | 120 | 123 | 170 | 39 | | 2,87 | 140 | 335 | - | - |
| 8226 H | 51226 | 130 | 133 | 190 | 45 | | 4,19 | 183 | 455 | - | - |
| 8228 H | 51228 | 140 | 143 | 200 | 46 | | 4,88 | 190 | 475 | - | - |
| 8230 H | 51230 | 150 | 153 | 215 | 50 | | 6,19 | 236 | 620 | - | - |
| 8232 H | 51232 | 160 | 163 | 225 | 51 | | 6,67 | 245 | 655 | - | - |
| 8234 H | 51234 | 170 | 173 | 240 | 55 | | 8,28 | 285 | 780 | - | - |
| 8236 H | 51236 | 180 | 183 | 250 | 55 | | 8,85 | 290 | 830 | - | - |
| 8238 H | 51238 | 190 | 194 | 270 | 62 | | 11,9 | 335 | 982 | - | - |
| 8240 H | 51240 | 200 | 204 | 280 | 62 | | 12,4 | 340 | 1020 | - | - |
| 8244 H | 51244 | 220 | 224 | 300 | 63 | | 13,7 | 355 | 1120 | - | - |
| 8248 H | 51248 | 240 | 244 | 340 | 78 | | 23,6 | 465 | 1560 | - | - |
| 8252 H | 51252 | 260 | 264 | 360 | 79 | | 25,6 | 475 | 1660 | - | - |
| 8256 H | 51256 | 280 | 284 | 380 | 80 | | 27,6 | 490 | 1800 | - | - |
| 8260 H | 51260 | 300 | 304 | 420 | 95 | | 43,1 | 610 | 2320 | - | - |
| 8264 H | 51264 | 320 | 325 | 440 | 95 | | 45,5 | 620 | 2450 | - | - |
| 8268 H | 51268 | 340 | 345 | 460 | 96 | | 48,4 | 640 | 2650 | - | - |
| 8272 H | 51272 | 360 | 365 | 500 | 110 | | 70 | 765 | 3250 | - | - |
| 8276 H | 51276 | 380 | 385 | 520 | 112 | | 73 | 728 | 320 | - | - |
| 8280 H | 51280 | 400 | 405 | 540 | 112 | | 78 | 800 | 3750 | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 8 000 | (51…) | - single |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped twosemiseparator;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast



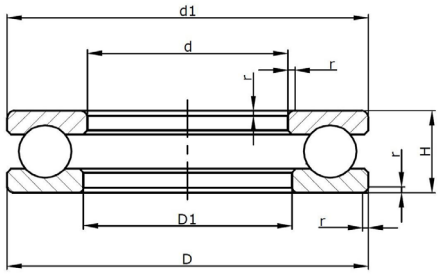

**8 000 (51…)**

| GOST designation | ISO designation | Диаметр отверстия (d, мм) | Diameter of the hole free ring (D1, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8292 H | 51292 | 460 | 465 | 620 | 130 | | 117,2 | 850 | 4170 | - | - |
| 8296 H | 51296 | 480 | 485 | 650 | 135 | | 138,6 | 950 | 4750 | - | - |
| 82/500 H | 512/500 | 500 | 505 | 670 | 135 | | 144 | 1020 | 5400 | - | - |
| | | | | | | | | | | | |
| 8305 | - | 25 | 25,2 | 52 | 18 | | 0,18 | 34,5 | 46,5 | 3200 | 4300 |
| 8306 | - | 30 | 30,2 | 60 | 21 | | 0,27 | 38 | 55 | 3000 | 4000 |
| 8307 | - | 35 | 35,2 | 68 | 24 | | 0,39 | 50 | 75 | 2400 | 3400 |
| 8308 | - | 40 | 40,2 | 78 | 26 | | 0,55 | 61 | 95 | - | - |
| 8309 | - | 45 | 45,2 | 85 | 28 | | 0,69 | 75 | 118 | - | - |
| 8310 | - | 50 | 50,2 | 96 | 31 | | 1 | 88 | 146 | - | - |
| 8311 | - | 55 | 55,2 | 105 | 35 | | 1,34 | 102 | 176 | - | - |
| 8312 | - | 60 | 60,2 | 110 | 35 | | 1,43 | 102 | 176 | - | - |
| 8313 | - | 65 | 65,2 | 115 | 36 | | 1,57 | 106 | 186 | - | - |
| 8314 | - | 70 | 70,2 | 125 | 40 | | 2,06 | 137 | 250 | - | - |
| 8315 | - | 75 | 75,2 | 135 | 44 | | 2,68 | 163 | 300 | - | - |
| 8316 | - | 80 | 80,2 | 140 | 44 | | 2,82 | 160 | 300 | - | - |
| 8317 | - | 85 | 85,2 | 150 | 49 | | 3,66 | 190 | 360 | - | - |
| 8318 | - | 90 | 90,2 | 155 | 50 | | 3,88 | 196 | 390 | - | - |
| 8320 | - | 100 | 100,2 | 170 | 55 | | 5,11 | 232 | 475 | - | - |
| 8322 | - | 110 | 110,2 | 190 | 63 | | 7,87 | 275 | 610 | - | - |
| 8324 | - | 120 | 120,2 | 210 | 70 | | 10,9 | 325 | 765 | - | - |
| 8326 | - | 130 | 130,3 | 225 | 75 | | 13,3 | 360 | 850 | - | - |
| 8328 | - | 140 | 140,3 | 240 | 80 | | 15,9 | 400 | 1020 | - | - |
| 8330 | - | 150 | 150,3 | 250 | 80 | | 16,7 | 405 | 1100 | - | - |
| 8332 | - | 160 | 160,3 | 270 | 87 | | 21,5 | 455 | 1270 | - | - |
| 8334 | - | 170 | 170,3 | 280 | 87 | | 22,5 | 465 | 1370 | - | - |
| 8336 | - | 180 | 180,3 | 300 | 95 | | 28,7 | 520 | 1530 | - | - |
| 8340 | - | 200 | 200,3 | 340 | 110 | | 43,7 | 620 | 2000 | 420 | 650 |
| 8368 | - | 340 | 340,4 | 540 | 160 | | 148 | 1000 | 4600 | - | - |
| | | | | | | | | | | | |
| 8305 H | 51305 | 25 | 27 | 52 | 18 | | 0,18 | 34,5 | 46,5 | 3200 | 4300 |
| 8306 H | 51306 | 30 | 32 | 60 | 21 | | 0,27 | 38 | 55 | 3000 | 4000 |
| 8307 H | 51307 | 35 | 37 | 68 | 24 | | 0,39 | 50 | 75 | 2400 | 3400 |
| 8308 H | 51308 | 40 | 42 | 78 | 26 | | 0,55 | 61 | 95 | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 8 000 | (51…) | - single |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped twosemiseparator;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast



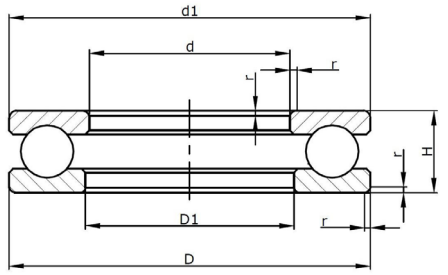

**8 000 (51…)**

| GOST designation | ISO designation | Диаметр отверстия (d, мм) | Diameter of the hole free ring (D1, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8309 H | 51309 | 45 | 47 | 85 | 28 | | 0,69 | 75 | 118 | - | - |
| 8310 H | 51310 | 50 | 52 | 95 | 31 | | 1 | 88 | 146 | - | - |
| 8311 H | 51311 | 55 | 57 | 105 | 35 | | 1,34 | 102 | 176 | - | - |
| 8312 H | 51312 | 60 | 62 | 110 | 35 | | 1,43 | 102 | 176 | - | - |
| 8313 H | 51313 | 65 | 67 | 115 | 36 | | 1,57 | 106 | 186 | - | - |
| 8314 H | 51314 | 70 | 72 | 125 | 40 | | 2,06 | 137 | 250 | - | - |
| 8315 H | 51315 | 75 | 77 | 135 | 44 | | 2,68 | 163 | 300 | - | - |
| 8316 H | 51316 | 80 | 82 | 140 | 44 | | 2,82 | 160 | 300 | - | - |
| 8317 H | 51317 | 85 | 88 | 150 | 49 | | 3,66 | 190 | 360 | - | - |
| 8318 H | 51318 | 90 | 93 | 155 | 50 | | 3,88 | 196 | 390 | - | - |
| 8320 H | 51320 | 100 | 103 | 170 | 55 | | 5,11 | 232 | 475 | - | - |
| 8322 H | 51322 | 110 | 113 | 190 | 63 | | 7,87 | 275 | 610 | - | - |
| 8324 H | 51324 | 120 | 123 | 210 | 70 | | 10,9 | 325 | 765 | - | - |
| 8326 H | 51326 | 130 | 134 | 225 | 75 | | 13,3 | 360 | 850 | - | - |
| 8328 H | 51328 | 140 | 144 | 240 | 80 | | 15,9 | 400 | 1020 | - | - |
| 8330 H | 51330 | 150 | 154 | 250 | 80 | | 16,7 | 405 | 1100 | - | - |
| 8332 H | 51332 | 160 | 164 | 270 | 87 | | 21,5 | 455 | 1270 | - | - |
| 8334 H | 51334 | 170 | 174 | 280 | 87 | | 22,5 | 465 | 1370 | - | - |
| 8336 H | 51336 | 180 | 184 | 300 | 95 | | 28,7 | 520 | 1530 | - | - |
| 8338 H | 51338 | 190 | 195 | 320 | 105 | | 36,7 | 600 | 1860 | 440 | 680 |
| 8340 H | 51340 | 200 | 205 | 340 | 110 | | 43,7 | 620 | 2000 | 420 | 650 |
| 8344 H | 51344 | 220 | 225 | 360 | 112 | | 48,6 | 500 | 2060 | - | - |
| 8348 H | 51348 | 240 | 244 | 380 | 112 | | 51,9 | 630 | 2540 | - | - |
| 8352 H | - | 260 | 264 | 420 | 130 | | 75,9 | 750 | 3200 | - | - |
| 8356 H | 51356 | 280 | 285 | 440 | 130 | | 78,8 | 765 | 3400 | - | - |
| 8360 H | 51360 | 300 | 304 | 480 | 140 | | 103 | 860 | 3950 | - | - |
| 8364 H | 51364 | 320 | 325 | 500 | 140 | | 109 | 880 | 4200 | - | - |
| 8368 H | 51368 | 340 | 345 | 540 | 160 | | 148 | 1000 | 4600 | - | - |
| 8372 H | 51372 | 360 | 365 | 560 | 160 | | 156 | 1120 | 5700 | - | - |
| 8380 H | 51380 | 400 | 405 | 620 | 175 | | 207 | 1170 | 6450 | - | - |
| 8384 H | 51384 | 420 | 424 | 650 | 180 | | 232 | 1150 | 6450 | - | - |
| 8388 H | 51388 | 440 | 445 | 680 | 190 | | 269 | 1220 | 7150 | - | - |
| 8392 H | 51392 | 460 | 465 | 710 | 195 | | 291 | 1200 | 7150 | - | - |
| 83/500 H | 513/500 | 500 | 505 | 750 | 195 | | - | - | - | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 8 000 | (51…) | - single |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped twosemiseparator;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast



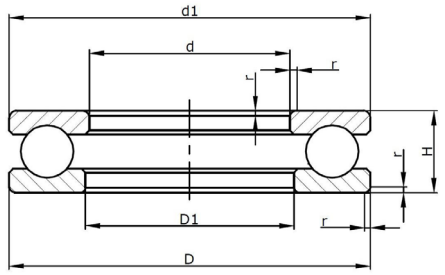

**8 000 (51…)**

| GOST designation | ISO designation | Диаметр отверстия (d, мм) | Diameter of the hole free ring (D1, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| 8413 | - | 65 | 65,2 | 140 | 56 | | 4,47 | 224 | 390 | 1100 | 1600 |
| 8416 | - | 80 | 80,2 | 170 | 68 | | 7,97 | 275 | 550 | 950 | 1400 |
| 8418 | - | 90 | 90,2 | 190 | 77 | | 11,2 | 325 | 695 | 850 | 1200 |
| 8420 | - | 100 | 100,2 | 210 | 85 | | 15 | 400 | 915 | 750 | 1000 |
| 8422 | - | 110 | 110,2 | 230 | 95 | | 20,2 | 465 | 1120 | 700 | 950 |
| 8426 | - | 130 | 130,3 | 270 | 110 | | 32 | 570 | 1500 | 600 | 800 |
| 8428 | - | 140 | 140,3 | 280 | 112 | | 34,5 | 585 | 1560 | 600 | 800 |
| 8432 | - | 160 | 160,3 | 320 | 130 | | 52 | 660 | 1870 | 390 | 600 |
| 8436 | - | 180 | 180,3 | 360 | 140 | | 70,5 | 765 | 2300 | 320 | 500 |
| 8438 | - | 200 | 200,3 | 400 | 155 | | 97 | 865 | 3300 | - | - |
| 8444 | - | 220 | 220,3 | 420 | 160 | | 107 | 809 | 3440 | - | - |
| 8456 | - | 260 | 280,3 | 520 | 190 | | 190 | - | - | - | - |
| | | | | | | | | | | | |
| 8405 H | 51405 | 25 | 27 | 60 | 24 | | 0,34 | 45,5 | 57 | 2600 | 3600 |
| 8406 H | 51406 | 30 | 32 | 70 | 28 | | 0,53 | 69,5 | 95,6 | 2200 | 3200 |
| 8407 H | 51407 | 35 | 37 | 80 | 32 | | 0,79 | 76,5 | 106 | 2000 | 3000 |
| 8408 H | 51408 | 40 | 42 | 90 | 36 | | 1,14 | 96,5 | 143 | 1700 | 2400 |
| 8409 H | 51409 | 45 | 47 | 100 | 39 | | 1,47 | 122 | 136 | 1600 | 2200 |
| 8410 H | 51410 | 50 | 52 | 110 | 43 | | 1,99 | 137 | 216 | 1500 | 2000 |
| 8411 H | 51411 | 55 | 57 | 120 | 48 | | 2,64 | 166 | 265 | 1300 | 1800 |
| 8412 H | 51412 | 60 | 62 | 130 | 51 | | 3,51 | 200 | 325 | 1200 | 1700 |
| 8413 H | 51413 | 65 | 68 | 140 | 56 | | 4,47 | 224 | 390 | 1100 | 1600 |
| 8414 H | 51414 | 70 | 73 | 150 | 60 | | 5,48 | 240 | 440 | 1100 | 1600 |
| 8415 H | 51415 | 75 | 78 | 160 | 65 | | 6,75 | 256 | 510 | 1000 | 1500 |
| 8416 H | 51416 | 80 | 83 | 170 | 68 | | 7,97 | 275 | 550 | 950 | 1400 |
| 8417 H | 51417 | 85 | 88 | 180 | 72 | | 9,45 | 320 | 655 | 900 | 1300 |
| 8418 H | 51418 | 90 | 93 | 190 | 77 | | 11,2 | 325 | 695 | 850 | 1200 |
| 8420 H | 51420 | 100 | 103 | 210 | 85 | | 15 | 400 | 915 | 750 | 1000 |
| 8422 H | 51422 | 110 | 113 | 230 | 95 | | 20,2 | 465 | 1120 | 700 | 950 |
| 8424 H | 51424 | 120 | 123 | 250 | 102 | | 25,5 | 520 | 1320 | 670 | 900 |
| 8426 H | 51426 | 130 | 134 | 270 | 110 | | 32 | 570 | 1500 | 600 | 800 |
| 8428 H | 51428 | 140 | 144 | 280 | 112 | | 34,5 | 585 | 1560 | 600 | 800 |
| 8430 H | 51430 | 150 | 154 | 300 | 120 | | 42,3 | 655 | 1860 | 560 | 750 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 8 000 | (51…) | - single |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped twosemiseparator;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast



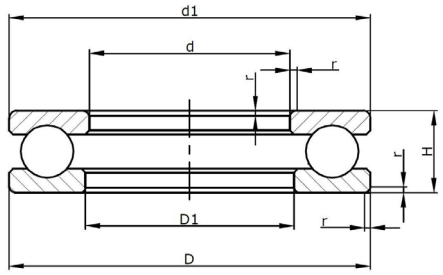

**8 000 (51…)**

| GOST designation | ISO designation | Диаметр отверстия (d, мм) | Diameter of the hole free ring (D1, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8432 H | 51432 | 160 | 164 | 320 | 130 | | 52 | 660 | 1870 | 390 | 600 |
| 8434 H | 51434 | 170 | 174 | 340 | 135 | | 61 | 730 | 2100 | 360 | 550 |
| 8436 H | 51436 | 180 | 184 | 360 | 140 | | 70,5 | 765 | 2300 | 320 | 500 |
| 8438 H | 51438 | 190 | 195 | 380 | 150 | | 84,5 | 865 | 3300 | - | - |
| 8440 H | 51440 | 200 | 205 | 400 | 155 | | 97 | 850 | 3300 | - | - |
| 8444 H | 51444 | 220 | 225 | 420 | 160 | | 107 | 809 | 3440 | - | - |
| 8448 H | 51448 | 240 | 245 | 440 | 160 | | 113 | 915 | 3900 | - | - |
| 8452 H | 51452 | 260 | 265 | 480 | 175 | | 149 | - | - | - | - |
| 8456 H | 51456 | 280 | 285 | 520 | 190 | | 190 | - | - | - | - |
| 8460 H | 51460 | 300 | 305 | 540 | 190 | | 199 | - | - | - | - |
| 8464 H | 51464 | 320 | 325 | 580 | 205 | | 250 | - | - | - | - |
| 8468 H | 51468 | 340 | 345 | 620 | 220 | | 308 | - | - | - | - |
| 8472 H | 51472 | 360 | 365 | 640 | 220 | | 321 | - | - | - | - |
| | | | | | | | | | | | |
| 8717 | - | 85 | 85,2 | 140 | 35 | | 1,94 | - | - | 1000 | 1300 |
| 8760 | - | 300 | 300,4 | 435 | 104 | | 54 | - | - | 400 | 500 |
| | | | | | | | | | | | |
| 1008094 | - | 4 | 4,2 | 12 | 6 | | 0,004 | 2,3 | 1,5 | 16200 | 20000 |
| 1008096 | - | 6 | 6,2 | 16 | 7 | | 0,007 | 5,5 | 3,3 | 10800 | 15000 |
| | | | | | | | | | | | |
| 1008901 | - | 12 | 12,2 | 22 | 7 | | 0,013 | 2,7 | 3,4 | 4300 | 10500 |
| 1008902 | - | 15 | 15,2 | 26 | 7 | | 0,016 | 45,5 | 6 | 5900 | 8700 |
| 1008903 | - | 17 | 17,2 | 28 | 7 | | 0,019 | - | - | - | - |
| 1008904 | - | 20 | 20,2 | 32 | 8 | | 0,025 | - | - | - | - |
| 1008905 | - | 25 | 25,2 | 37 | 8 | | 0,031 | 7,5 | 13,1 | 4000 | 5800 |
| 1008906 | - | 30 | 30,2 | 42 | 8 | | 0,034 | 8,5 | 16 | 3400 | 5000 |
| 1008907 | - | 35 | 35,2 | 47 | 8 | | 0,041 | 8,6 | 17 | 3000 | 4400 |
| 1008908 | - | 40 | 40,2 | 52 | 9 | | 0,047 | 8 | 16,5 | 2700 | 3900 |
| 1008909 | - | 45 | 45,2 | 60 | 10 | | 0,083 | - | - | - | - |
| 1008910 | - | 50 | 50,2 | 65 | 10 | | 0,091 | - | - | - | - |
| 1008911 | - | 55 | 55,2 | 70 | 10 | | 0,1 | - | - | - | - |
| 1008912 | - | 60 | 60,2 | 75 | 10 | | 0,1 | 15,4 | 43,3 | 1800 | 2600 |
| 1008913 | - | 65 | 65,2 | 80 | 10 | | 0,113 | - | - | - | - |
| 1008914 | - | 70 | 70,2 | 85 | 10 | | 0,12 | - | - | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 8 000 | (51…) | - single |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped twosemiseparator;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast



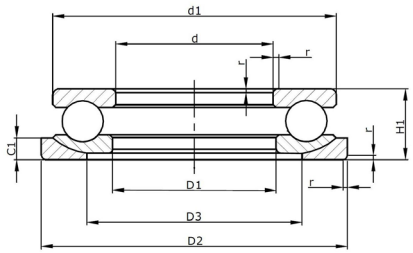

**8 000 (51…)**

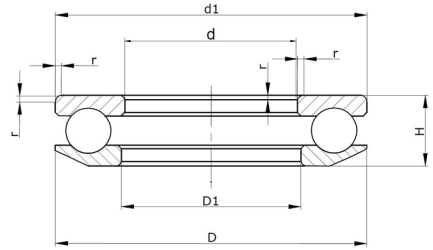
| GOST designation | ISO designation | Диаметр отверстия (d, мм) | Diameter of the hole free ring (D1, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1008915 | - | 75 | 75,2 | 90 | 10 | | 0,13 | 16,6 | 51,3 | 1500 | 2100 |
| 1008916 | - | 80 | 80,2 | 95 | 10 | | 0,142 | - | - | - | - |
| 1008917 | - | 85 | 85,2 | 100 | 10 | | 0,151 | - | - | - | - |
| 1008918 | - | 90 | 90,2 | 105 | 10 | | 0,16 | 17,5 | 61,2 | 1270 | 1800 |
| 1008920 | - | 100 | 100,2 | 120 | 14 | | 0,336 | - | - | - | - |
| | | | | | | | | | | | |
| 808100 | - | 10 | 10,2 | 26 | 12 | | 0,02 | - | - | 5000 | 6300 |
| 808106 | - | 30 | 30,2 | 50 | 14 | | 0,09 | - | - | 3200 | 4000 |
| 808107 | - | 35 | 35,2 | 55 | 16 | | 0,11 | - | - | 3200 | 4000 |
| 808108 | - | 40 | 40,2 | 60 | 16 | | 0,14 | - | - | 2600 | 3200 |
| | | | | | | | | | | | |
| 808205 | - | 25 | 25,2 | 48 | 15,5 | | 0,12 | - | - | 3200 | 4000 |
| 808208 | - | 40 | 40,2 | 64 | 18 | | 0,27 | - | - | 2600 | 3200 |
| 808209 | - | 45 | 45,2 | 73 | 22 | | 0,32 | - | - | 2000 | 2600 |
| 808211 | - | 55 | 55,2 | 88 | 24,5 | | 0,61 | - | - | 1600 | 2000 |
| 808212 | - | 60 | 60,2 | 90 | 24,5 | | 0,69 | - | - | 1600 | 2000 |
| 808214 | - | 70 | 70,2 | 103 | 27 | | 0,81 | - | - | 1300 | 1600 |
| 808216 | - | 80 | 80,2 | 115 | 29 | | 0,95 | - | - | 1300 | 1600 |
| 808220 | - | 100 | 100,2 | 150 | 32,5 | | 2,3 | - | - | 1000 | 1300 |
| | | | | | | | | | | | |
| 808320 | - | 100 | 100,2 | 172 | 57 | | 6,04 | - | - | 1000 | 1300 |
| | | | | | | | | | | | |
| 808903 | - | 18 | 18,2 | 35 | 12 | | 0,04 | - | - | 4000 | 5000 |
| | | | | | | | | | | | |
| 7008903 | - | 17 | 17,2 | 28 | 5 | | 0,014 | 3 | 4,8 | 5400 | 8000 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 18 000 | (53…U) | - single with free self-aligning and insert ring |
| 28 000 | (53…) | - single with free self-aligning ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite
- steel stamped assembly of two semiseparators;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast.



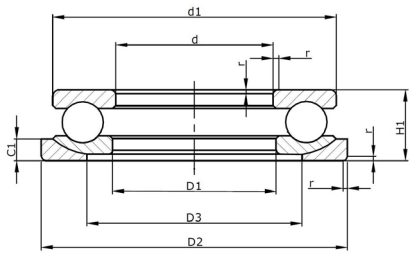

**18 000 (53…U)** **28 000 (53…)**

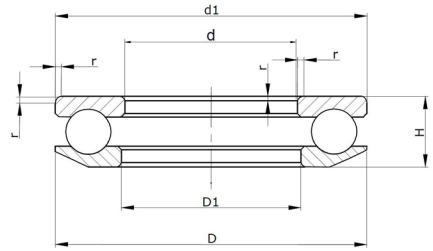
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 18200 | 53200 +U200 | 10 | 26 | 13 | | 0,038 | 12,7 | 14,3 | 5700 | 8800 |
| 18201 | 53201 +U201 | 12 | 28 | 13 | | 0,045 | 13,2 | 16 | 5400 | 8300 |
| 18202 | 53202 +U202 | 15 | 32 | 15 | | 0,063 | 16,6 | 20,8 | 4900 | 7500 |
| 18203 | 53203 +U203 | 17 | 35 | 15 | | 0,071 | 17,3 | 23,2 | 4900 | 7500 |
| 18204 | 53204 +U204 | 20 | 40 | 17 | | 0,102 | 22,4 | 32 | 4300 | 5600 |
| 18205 | 53205 +U205 | 25 | 47 | 19 | | 0,155 | 28 | 42,5 | 3800 | 5000 |
| 18206 | 53206 +U206 | 30 | 52 | 20 | | 0,182 | 25,5 | 40 | 3600 | 4800 |
| 18207 | 53207 +U207 | 35 | 62 | 22 | | 0,279 | 35,5 | 57 | 3200 | 4300 |
| 18208 | 53208 +U208 | 40 | 68 | 23 | | 0,35 | 46,5 | 83 | 2800 | 3800 |
| 18209 | 53209 +U209 | 45 | 73 | 24 | | 0,388 | 39 | 67 | 2600 | 3600 |
| 18210 | 53210 +U210 | 50 | 78 | 26 | | 0,464 | 50 | 90 | 2400 | 3400 |
| 18211 | 53211 +U211 | 55 | 90 | 30 | | 0,752 | 61 | 114 | 2000 | 3000 |
| 18212 | 53212 +U212 | 60 | 95 | 31 | | 0,817 | 62 | 118 | 1900 | 2800 |
| 18213 | 53213 +U213 | 65 | 100 | 32 | | 0,912 | 64 | 125 | 1800 | 2600 |
| 18214 | 53214 +U214 | 70 | 105 | 32 | | 0,967 | 65,5 | 134 | 1800 | 2600 |
| 18215 | 53215 +U215 | 75 | 110 | 32 | | 1,018 | 67 | 143 | 1800 | 2700 |
| 18216 | 53216 +U216 | 80 | 115 | 33 | | 1,118 | 75 | 160 | 1700 | 2600 |
| 18217 | 53217 +U217 | 85 | 125 | 37 | | 1,51 | 98 | 212 | 1600 | 2200 |
| 18218 | 53218 +U218 | 90 | 135 | 42 | | 2,12 | 120 | 255 | 1400 | 2100 |
| 18220 | 53220 +U220 | 100 | 150 | 45 | | 2,72 | 122 | 270 | 1200 | 1900 |
| 18222 | 53222 +U222 | 110 | 160 | 45 | | 2,93 | 129 | 305 | 1200 | 1800 |
| 18224 | 53224 +U224 | 120 | 170 | 46 | | 3,22 | 140 | 335 | 1100 | 1700 |
| 18226 | 53226 +U226 | 130 | 190 | 53 | | 4,83 | 183 | 455 | 970 | 1500 |
| 18228 | 53228 +U228 | 140 | 200 | 55 | | 5,49 | 190 | 475 | 940 | 1450 |
| 18230 | 53230 +U230 | 150 | 215 | 60 | | 7,66 | 236 | 620 | 840 | 1300 |
| 18232 | 53232 +U232 | 160 | 225 | 61 | | 8,25 | 245 | 655 | 810 | 1250 |
| 18234 | 53234 +U234 | 170 | 240 | 65 | | 10,07 | 285 | 780 | 750 | 1150 |
| 18236 | 53236 +U236 | 180 | 250 | 66 | | 10,6 | 290 | 830 | 710 | 1100 |
| 18238 | 53238 +U238 | 190 | 270 | 73 | | 14 | 335 | 982 | 650 | 1000 |
| 18240 | 53240 +U240 | 200 | 280 | 74 | | 14,5 | 340 | 1020 | 620 | 950 |
| 18244 | 53244 +U244 | 220 | 300 | 75 | | 16,1 | 355 | 1120 | 580 | 900 |
| 18248 | 53248 +U248 | 240 | 340 | 92 | | 26,1 | 465 | 1560 | 520 | 800 |
| 18252 | 53252 +U252 | 260 | 360 | 93 | | 29,1 | 475 | 1660 | 490 | 750 |
| 18256 | 53256 +U256 | 280 | 380 | 94 | | 31,5 | 490 | 1800 | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 18 000 | (53…U) | - single with free self-aligning and insert ring |
| 28 000 | (53…) | - single with free self-aligning ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite
- steel stamped assembly of two semiseparators;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast.



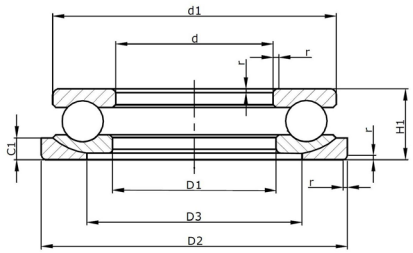

**18 000 (53…U)** **28 000 (53…)**

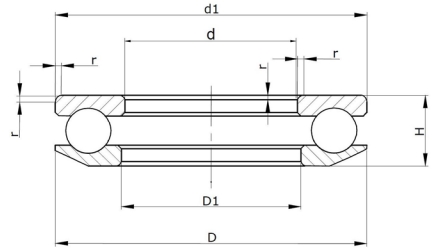
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 18260 | 53260 +U260 | 300 | 420 | 112 | | 49,8 | 610 | 2320 | 400 | 600 |
| 18264 | 53264 +U264 | 320 | 440 | 112 | | 53,3 | 620 | 2450 | 400 | 600 |
| 18268 | 53268 +U268 | 340 | 480 | 113 | | 54,7 | 640 | 2650 | 380 | 570 |
| 18272 | 53272 +U272 | 360 | 500 | 130 | | 81,5 | 765 | 3250 | 340 | 500 |
| | | | | | | | | | | |
| 18305 | 53305 +U305 | 25 | 52 | 22 | | 0,22 | 34,5 | 46,5 | 3100 | 4800 |
| 18306 | 53306 +U306 | 30 | 60 | 25 | | 0,322 | 38 | 55 | 2700 | 4200 |
| 18307 | 53307 +U307 | 35 | 68 | 28 | | 0,463 | 50 | 75 | 2400 | 3700 |
| 18308 | 53308 +U308 | 40 | 78 | 31 | | 0,673 | 61 | 95 | 2100 | 3300 |
| 18309 | 53309 +U309 | 45 | 85 | 33 | | 0,83 | 75 | 118 | 1900 | 3000 |
| 18310 | 53310 +U310 | 50 | 95 | 37 | | 1,202 | 88 | 146 | 1800 | 2700 |
| 18311 | 53311 +U311 | 55 | 105 | 42 | | 1,66 | 102 | 176 | 1600 | 2400 |
| 18312 | 53312 +U312 | 60 | 110 | 42 | | 1,72 | 102 | 176 | 1500 | 2300 |
| 18313 | 53313 +U313 | 65 | 115 | 43 | | 1,87 | 106 | 186 | 1400 | 2200 |
| 18314 | 53314 +U314 | 70 | 125 | 48 | | 2,51 | 137 | 250 | 1300 | 2000 |
| 18315 | 53315 +U315 | 75 | 135 | 52 | | 3,22 | 163 | 300 | 1200 | 1900 |
| 18316 | 53316 +U316 | 80 | 140 | 52 | | 3,34 | 160 | 300 | 1200 | 1800 |
| 18317 | 53317 +U317 | 85 | 150 | 58 | | 4,34 | 190 | 360 | 1100 | 1700 |
| 18318 | 53318 +U318 | 90 | 155 | 59 | | 4,67 | 196 | 390 | 1000 | 1600 |
| 18320 | 53320 +U320 | 100 | 170 | 64 | | 5,93 | 232 | 475 | 940 | 1450 |
| 18322 | 53322 +U322 | 110 | 190 | 72 | | 9,11 | 275 | 610 | 810 | 1250 |
| 18324 | 53324 +U324 | 120 | 205 | 80 | | 12,6 | 325 | 765 | 710 | 1100 |
| 18326 | 53326 +U326 | 130 | 225 | 86 | | 15,4 | 360 | 850 | 650 | 1000 |
| 18328 | 53328 +U328 | 140 | 240 | 92 | | 18,5 | 400 | 1020 | 620 | 950 |
| 18330 | 53330 +U330 | 150 | 250 | 92 | | 19,2 | 405 | 1100 | 580 | 900 |
| 18332 | 53332 +U332 | 160 | 270 | 100 | | 25,6 | 455 | 1270 | 550 | 850 |
| 18334 | 53334 +U334 | 170 | 280 | 100 | | 27,1 | 465 | 1370 | 520 | 800 |
| 18336 | 53336 +U336 | 180 | 300 | 109 | | 32,7 | 520 | 1530 | 490 | 750 |
| 18338 | 53338 +U338 | 190 | 320 | 121 | | 43,1 | 600 | 1860 | 440 | 680 |
| 18340 | 53340 +U340 | 200 | 340 | 130 | | 52,2 | 620 | 2000 | 420 | 650 |
| | | | | | | | | | | |
| 18405 | 53405 +U405 | 25 | 60 | 29 | | 0,402 | 45,5 | 57 | 2600 | 4000 |
| 18406 | 53406 +U406 | 30 | 70 | 33 | | 0,647 | 69,5 | 95,6 | 2200 | 3400 |
| 18407 | 53407 +U407 | 35 | 80 | 37 | | 0,936 | 76,5 | 106 | 1900 | 2900 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 18 000 | (53…U) | - single with free self-aligning and insert ring |
| 28 000 | (53…) | - single with free self-aligning ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite
- steel stamped assembly of two semiseparators;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast.



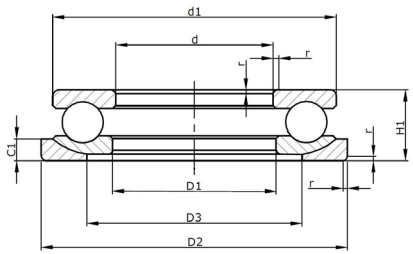

**18 000 (53…U)** **28 000 (53…)**

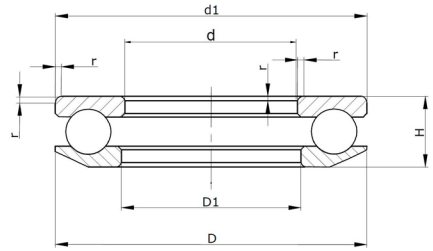
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 18408 | 53408 +U408 | 40 | 90 | 42 | | 1,34 | 96,5 | 143 | 1700 | 2600 |
| 18409 | 53409 +U409 | 45 | 100 | 46 | | 1,79 | 122 | 136 | 1500 | 2300 |
| 18410 | 53410 +U410 | 50 | 110 | 50 | | 2,33 | 137 | 216 | 1400 | 2100 |
| 18411 | 53411 +U411 | 55 | 120 | 55 | | 3,03 | 166 | 265 | 1200 | 1900 |
| 18412 | 53412 +U412 | 60 | 130 | 58 | | 3,83 | 200 | 325 | 1100 | 1700 |
| 18413 | 53413 +U413 | 65 | 140 | 65 | | 5,37 | 224 | 390 | 1000 | 1600 |
| 18414 | 53414 +U414 | 70 | 150 | 69 | | 6,51 | 240 | 440 | 940 | 1450 |
| 18415 | 53415 +U415 | 75 | 160 | 75 | | 8,09 | 256 | 510 | 880 | 1350 |
| 18416 | 53416 +U416 | 80 | 170 | 78 | | 9,37 | 275 | 550 | 810 | 1250 |
| 18417 | 53417 +U417 | 85 | 180 | 83 | | 11,02 | 320 | 655 | 780 | 1200 |
| 18418 | 53418 +U418 | 90 | 190 | 88 | | 13 | 325 | 695 | 710 | 1100 |
| 18420 | 53420 +U420 | 100 | 210 | 98 | | 17,7 | 400 | 915 | 620 | 950 |
| 18422 | 53422 +U422 | 110 | 230 | 109 | | 23,4 | 465 | 1120 | - | - |
| 18424 | 53424 +U424 | 120 | 250 | 118 | | 29,9 | 520 | 1320 | - | - |
| 18426 | 53426 +U426 | 130 | 270 | 128 | | 38,5 | 570 | 1500 | - | - |
| 18428 | 53428 +U428 | 140 | 280 | 131 | | 40,3 | 585 | 1560 | - | - |
| 18430 | 53430 +U430 | 150 | 300 | 140 | | 48,6 | 655 | 1860 | - | - |
| 18432 | 53432 +U432 | 160 | 320 | 150 | | 60,5 | 660 | 1870 | - | - |
| 18434 | 53434 +U434 | 170 | 340 | 156 | | 68 | 730 | 2100 | - | - |
| 18436 | 53436 +U436 | 180 | 360 | 164 | | 82,7 | 765 | 2300 | - | - |
| | | | | | | | | | | |
| 28200 | 53200 | 10 | 26 | 11,6 | | 0,03 | 12,7 | 14,3 | 5700 | 8800 |
| 28201 | 53201 | 12 | 28 | 11,4 | | 0,033 | 13,2 | 16 | 5400 | 8300 |
| 28202 | - | 15 | 32 | 13,3 | | 0,049 | 16,6 | 20,8 | 4900 | 7500 |
| 28203 | - | 17 | 35 | 13,2 | | 0,056 | 17,3 | 23,2 | 4900 | 7500 |
| 28204 | - | 20 | 40 | 14,7 | | 0,082 | 22,4 | 32 | 4300 | 5600 |
| 28205 | - | 25 | 47 | 16,7 | | 0,122 | 28 | 42,5 | 3800 | 5000 |
| 28206 | - | 30 | 52 | 17,8 | | 0,144 | 25,5 | 40 | 3600 | 4800 |
| 28207 | - | 35 | 62 | 19,9 | | 0,222 | 35,5 | 57 | 3200 | 4300 |
| 28208 | - | 40 | 68 | 20,3 | | 0,28 | 46,5 | 83 | 2800 | 3800 |
| 28209 | - | 45 | 73 | 21,3 | | 0,301 | 39 | 67 | 2600 | 3600 |
| 28210 | - | 50 | 78 | 23,5 | | 0,366 | 50 | 90 | 2400 | 3400 |
| 28211 | - | 55 | 90 | 27,4 | | 0,6 | 61 | 114 | 2000 | 3000 |
| 28212 | - | 60 | 95 | 28 | | 0,657 | 62 | 118 | 1900 | 2800 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 18 000 | (53…U) | - single with free self-aligning and insert ring |
| 28 000 | (53…) | - single with free self-aligning ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite
- steel stamped assembly of two semiseparators;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast.



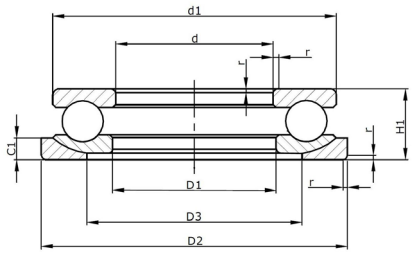

**18 000 (53…U)** **28 000 (53…)**

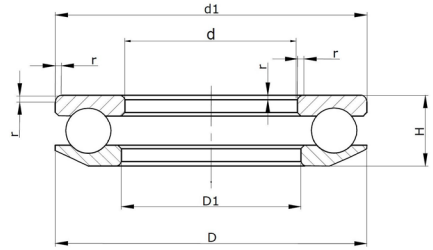
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 28213 | - | 65 | 100 | 28,7 | | 0,732 | 64 | 125 | 1800 | 2600 |
| 28214 | - | 70 | 105 | 28,8 | | 0,782 | 65,5 | 134 | 1800 | 2600 |
| 28215 | - | 75 | 110 | 28,3 | | 0,808 | 67 | 143 | 1800 | 2700 |
| 28216 | - | 80 | 115 | 29,5 | | 0,898 | 75 | 160 | 1700 | 2600 |
| 28217 | - | 85 | 125 | 33,1 | | 1,22 | 98 | 212 | 1600 | 2200 |
| 28218 | - | 90 | 135 | 38,5 | | 1,7 | 120 | 255 | 1400 | 2100 |
| 28220 | - | 100 | 150 | 40,9 | | 2,22 | 122 | 270 | 1200 | 1900 |
| 28222 | - | 110 | 160 | 40,2 | | 2,37 | 129 | 305 | 1200 | 1800 |
| 28224 | - | 120 | 170 | 40,8 | | 2,57 | 140 | 335 | 1100 | 1700 |
| 28226 | - | 130 | 190 | 47,9 | | 3,93 | 183 | 455 | 970 | 1500 |
| 28228 | - | 140 | 200 | 48,6 | | 4,27 | 190 | 475 | 940 | 1450 |
| 28230 | - | 150 | 215 | 53,3 | | 5,97 | 236 | 620 | 840 | 1300 |
| 28232 | - | 160 | 225 | 54,7 | | 6,44 | 245 | 655 | 810 | 1250 |
| 28234 | - | 170 | 240 | 58,7 | | 7,93 | 285 | 780 | 750 | 1150 |
| 28236 | - | 180 | 250 | 58,2 | | 8,25 | 290 | 830 | 710 | 1100 |
| 28238 | - | 190 | 270 | 65,6 | | 11,4 | 335 | 982 | 650 | 1000 |
| 28240 | - | 200 | 280 | 65,3 | | 11,3 | 340 | 1020 | 620 | 950 |
| 28244 | - | 220 | 300 | 65,6 | | 12,8 | 355 | 1120 | 580 | 900 |
| 28248 | - | 240 | 340 | 81,7 | | 21,4 | 465 | 1560 | 520 | 800 |
| 28252 | - | 260 | 360 | 82,8 | | 23,2 | 475 | 1660 | 490 | 750 |
| 28256 | - | 280 | 380 | 85 | | 25 | 490 | 1800 | - | - |
| 28260 | - | 300 | 420 | 100,5 | | 41,5 | 610 | 2320 | 400 | 600 |
| 28264 | - | 320 | 440 | 100,5 | | 44 | 620 | 2450 | 400 | 600 |
| 28268 | - | 340 | 480 | 100,3 | | 45 | 640 | 2650 | 380 | 570 |
| 28272 | - | 360 | 500 | 116,7 | | 67 | 765 | 3250 | 340 | 500 |
| | | | | | | | | | | |
| 28305 | 53305 | 25 | 52 | 19,8 | | 0,176 | 34,5 | 46,5 | 3100 | 4800 |
| 28306 | 53306 | 30 | 60 | 22,6 | | 0,266 | 38 | 55 | 2700 | 4200 |
| 28307 | - | 35 | 68 | 25,6 | | 0,379 | 50 | 75 | 2400 | 3700 |
| 28308 | - | 40 | 78 | 28,5 | | 0,553 | 61 | 95 | 2100 | 3300 |
| 28309 | - | 45 | 85 | 30,1 | | 0,66 | 75 | 118 | 1900 | 3000 |
| 28310 | - | 50 | 95 | 34,3 | | 0,972 | 88 | 146 | 1800 | 2700 |
| 28311 | - | 55 | 105 | 39,3 | | 1,38 | 102 | 176 | 1600 | 2400 |
| 28312 | - | 60 | 110 | 38,3 | | 1,41 | 102 | 176 | 1500 | 2300 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 18 000 | (53…U) | - single with free self-aligning and insert ring |
| 28 000 | (53…) | - single with free self-aligning ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite
- steel stamped assembly of two semiseparators;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast.



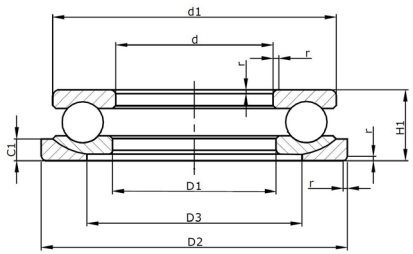

**18 000 (53…U)** **28 000 (53…)**

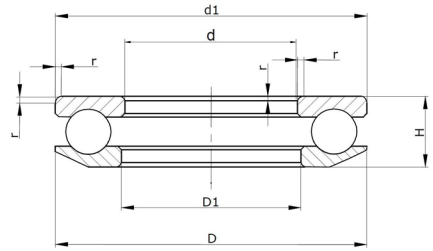
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 28313 | - | 65 | 115 | 39,4 | | 1,53 | 106 | 186 | 1400 | 2200 |
| 28314 | - | 70 | 125 | 44,2 | | 2,1 | 137 | 250 | 1300 | 2000 |
| 28315 | - | 75 | 135 | 48,1 | | 2,67 | 163 | 300 | 1200 | 1900 |
| 28316 | - | 80 | 140 | 47,6 | | 2,77 | 160 | 300 | 1200 | 1800 |
| 28317 | - | 85 | 150 | 53,1 | | 3,53 | 190 | 360 | 1100 | 1700 |
| 28318 | - | 90 | 155 | 54,6 | | 3,83 | 196 | 390 | 1000 | 1600 |
| 28320 | - | 100 | 170 | 59,2 | | 4,98 | 232 | 475 | 940 | 1450 |
| 28322 | - | 110 | 190 | 67,2 | | 7,83 | 275 | 610 | 810 | 1250 |
| 28324 | - | 120 | 205 | 74,1 | | 10,6 | 325 | 765 | 710 | 1100 |
| 28326 | - | 130 | 225 | 80,3 | | 12,9 | 360 | 850 | 650 | 1000 |
| 28328 | - | 140 | 240 | 84,9 | | 15,6 | 400 | 1020 | 620 | 950 |
| 28330 | - | 150 | 250 | 83,7 | | 16,1 | 405 | 1100 | 580 | 900 |
| 28332 | - | 160 | 270 | 91,7 | | 21,5 | 455 | 1270 | 550 | 850 |
| 28334 | - | 170 | 280 | 91,3 | | 22,5 | 465 | 1370 | 520 | 800 |
| 28336 | - | 180 | 300 | 99,3 | | 27,4 | 520 | 1530 | 490 | 750 |
| 28338 | - | 190 | 320 | 111 | | 37 | 600 | 1860 | 440 | 680 |
| 28340 | - | 200 | 340 | 118 | | 43,7 | 620 | 2000 | 420 | 650 |
| | | | | | | | | | | |
| 28405 | - | 25 | 60 | 26,4 | | 0,33 | 45,5 | 57 | 2600 | 4000 |
| 28406 | - | 30 | 70 | 30,1 | | 0,517 | 69,5 | 95,6 | 2200 | 3400 |
| 28407 | - | 35 | 80 | 34 | | 0,763 | 76,5 | 106 | 1900 | 2900 |
| 28408 | - | 40 | 90 | 38,2 | | 1,09 | 96,5 | 143 | 1700 | 2600 |
| 28409 | - | 45 | 100 | 42,4 | | 1,47 | 122 | 136 | 1500 | 2300 |
| 28410 | - | 50 | 110 | 45,6 | | 1,92 | 137 | 216 | 1400 | 2100 |
| 28411 | - | 55 | 120 | 50,5 | | 2,5 | 166 | 265 | 1200 | 1900 |
| 28412 | - | 60 | 130 | 54 | | 3,12 | 200 | 325 | 1100 | 1700 |
| 28413 | - | 65 | 140 | 60,2 | | 4,56 | 224 | 390 | 1000 | 1600 |
| 28414 | - | 70 | 150 | 63,6 | | 5,52 | 240 | 440 | 940 | 1450 |
| 28415 | - | 75 | 160 | 69 | | 6,86 | 256 | 510 | 880 | 1350 |
| 28416 | - | 80 | 170 | 72,2 | | 7,99 | 275 | 550 | 810 | 1250 |
| 28417 | - | 85 | 180 | 77 | | 9,38 | 320 | 655 | 780 | 1200 |
| 28418 | - | 90 | 190 | 81,2 | | 11,1 | 325 | 695 | 710 | 1100 |
| 28420 | - | 100 | 210 | 90 | | 14,8 | 400 | 915 | 620 | 950 |
| 28422 | - | 110 | 230 | 99,7 | | 19,7 | 465 | 1120 | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 18 000 | (53…U) | - single with free self-aligning and insert ring |
| 28 000 | (53…) | - single with free self-aligning ring |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite
- steel stamped assembly of two semiseparators;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast.




**18 000 (53…U)** **28 000 (53…)**

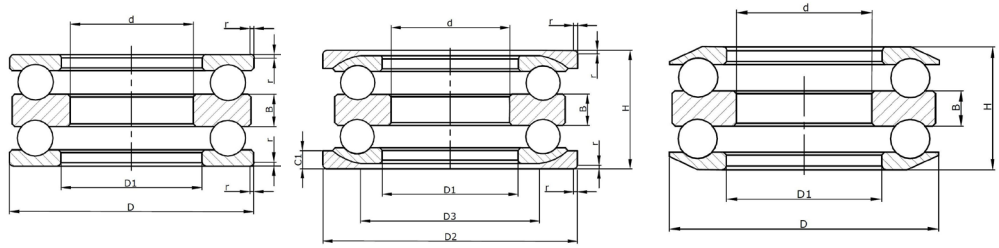
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 28424 | - | 120 | 250 | 107,3 | | 25,2 | 520 | 1320 | - | - |
| 28426 | - | 130 | 270 | 115,2 | | 32,1 | 570 | 1500 | - | - |
| 28428 | - | 140 | 280 | 117 | | 33,3 | 585 | 1560 | - | - |
| 28430 | - | 150 | 300 | 125,3 | | 40,4 | 655 | 1860 | - | - |
| 28432 | - | 160 | 320 | 135,3 | | 51 | 660 | 1870 | - | - |
| 28434 | - | 170 | 340 | 141 | | 56 | 730 | 2100 | - | - |
| 28436 | - | 180 | 360 | 148,3 | | 70 | 765 | 2300 | - | - |

# DOUBLE THRUST BEARING
# WITH BASE RACE AND WITHOUT

DESIGN OPTIONS:

| | | |
|---|---|---|
| 38 000 | (52…) | - double with flat support surface |
| 48 000 | (54…U) | - double with spherical backing rings |
| 58 000 | (54…) | - double row with a spherical support surface |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped assembly of two semiseparators;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast.

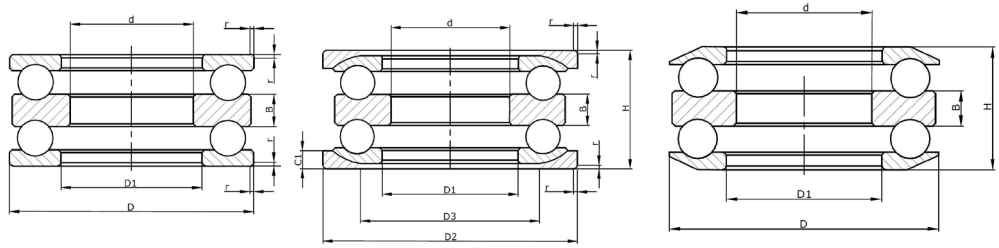



| | | | | | | **38 000 (52…)** | | **48 000 (54…U)** | | **58 000 (54…)** |
|---|---|---|---|---|---|---|---|---|---|---|
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
| 38202 | - | 10/15,2 | 32 | 22 | | 0,08 | 16,6 | 20,8 | 5300 | 7000 |
| 38204 | - | 15/20,2 | 40 | 26 | | 0,15 | 22,4 | 32 | 4500 | 6000 |
| 38205 | - | 20/25,2 | 47 | 28 | | 0,23 | 28 | 42,5 | 4000 | 5300 |
| 38206 | - | 25/30,2 | 52 | 29 | | 0,27 | 25,5 | 40 | 3600 | 4800 |
| 38207 | - | 30/35,2 | 62 | 32 | | 0,42 | 35,5 | 57 | 3000 | 4000 |
| 38208 | - | 30/40,2 | 68 | 36 | | 0,54 | 46,5 | 83 | 2800 | 3800 |
| 38209 | - | 35/45,2 | 73 | 37 | | 0,62 | 39 | 67 | 2600 | 3600 |
| 38210 | - | 40/50,2 | 78 | 39 | | 0,71 | 50 | 90 | 2400 | 3400 |
| 38211 | - | 45/55,2 | 90 | 45 | | 1,12 | 61 | 114 | 1900 | 2800 |
| 38212 | - | 50/60,2 | 95 | 46 | | 1,25 | 62 | 118 | 1900 | 2800 |
| 38213 | - | 55/65,2 | 100 | 47 | | 1,36 | 64 | 125 | 1800 | 2800 |
| 38214 | - | 55/70,2 | 105 | 47 | | 1,48 | 65,5 | 134 | 1800 | 2800 |
| 38215 | - | 60/75,2 | 110 | 47 | | 1,57 | 67 | 143 | 1700 | 2400 |
| 38216 | - | 65/80,2 | 115 | 48 | | 1,69 | 75 | 160 | 1700 | 2400 |
| 38217 | - | 70/85,2 | 125 | 55 | | 2,34 | 98 | 212 | 1600 | 2200 |
| 38218 | - | 75/90,2 | 135 | 62 | | 3,22 | 120 | 255 | 1500 | 2000 |
| 38220 | - | 85/100,2 | 150 | 67 | | 4,29 | 122 | 270 | 1300 | 1800 |
| 38222 | - | 95/110,32 | 160 | 67 | | 4,68 | 129 | 305 | 1200 | 1700 |
| 38224 | - | 100/120,2 | 170 | 68 | | 5,24 | 140 | 335 | 1100 | 1600 |
| 38226 | - | 110/130,3 | 190 | 80 | | 7,74 | 183 | 455 | 950 | 1400 |
| 38228 | - | 120/140,3 | 200 | 81 | | 8,95 | 190 | 475 | 950 | 1400 |
| | | | | | | | | | | |
| 38202 H | 52202 | 10/17 | 32 | 22 | | 0,08 | 16,6 | 20,8 | 5300 | 7000 |
| 38204 H | 52204 | 15/22 | 40 | 26 | | 0,15 | 22,4 | 32 | 4500 | 6000 |
| 38205 H | 52205 | 20/27 | 47 | 28 | | 0,23 | 28 | 42,5 | 4000 | 5300 |
| 38206 H | 52206 | 25/32 | 52 | 29 | | 0,27 | 25,5 | 40 | 3600 | 4800 |
| 38207 H | 52207 | 30/37 | 62 | 34 | | 0,42 | 35,5 | 57 | 3000 | 4000 |
| 38208 H | 52208 | 30/42 | 68 | 36 | | 0,54 | 46,5 | 83 | 2800 | 3800 |
| 38209 H | 52209 | 35/47 | 73 | 37 | | 0,62 | 39 | 67 | 2600 | 3600 |
| 38210 H | 52210 | 40/52 | 78 | 39 | | 0,71 | 50 | 90 | 2400 | 3400 |
| 38211 H | 52211 | 45/57 | 90 | 45 | | 1,12 | 61 | 114 | 1900 | 2800 |
| 38212 H | 52212 | 50/62 | 95 | 46 | | 1,25 | 62 | 118 | 1900 | 2800 |
| 38213 H | 52213 | 55/67 | 100 | 47 | | 1,36 | 64 | 125 | 1800 | 2800 |
| 38214 H | 52214 | 55/72 | 105 | 47 | | 1,48 | 65,5 | 134 | 1800 | 2800 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 38 000 | (52…) | - double with flat support surface |
| 48 000 | (54…U) | - double with spherical backing rings |
| 58 000 | (54…) | - double row with a spherical support surface |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped assembly of two semiseparators;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast.



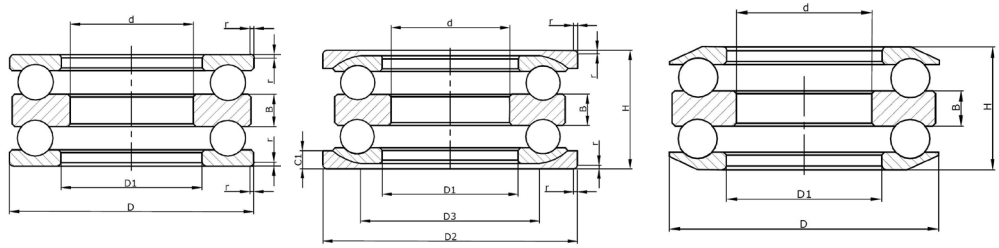

**38 000 (52…)** **48 000 (54…U)** **58 000 (54…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 38215 H | 52215 | 60/77 | 110 | 47 | | 1,57 | 67 | 143 | 1700 | 2400 |
| 38216 H | 52216 | 65/82 | 115 | 48 | | 1,69 | 75 | 160 | 1700 | 2400 |
| 38217 H | 52217 | 70/88 | 125 | 55 | | 2,34 | 98 | 212 | 1600 | 2200 |
| 38218 H | 52218 | 75/93 | 135 | 62 | | 3,22 | 120 | 255 | 1500 | 2000 |
| 38220 H | 52220 | 85/103 | 150 | 67 | | 4,29 | 122 | 270 | 1300 | 1800 |
| 38222 H | 52222 | 95/113 | 160 | 67 | | 4,68 | 129 | 305 | 1200 | 1700 |
| 38224 H | 52224 | 100/123 | 170 | 68 | | 5,24 | 140 | 335 | 1100 | 1600 |
| 38226 H | 52226 | 110/133 | 190 | 80 | | 7,74 | 183 | 455 | 950 | 1400 |
| 38228 H | 52228 | 120/143 | 200 | 81 | | 8,95 | 190 | 475 | 950 | 1400 |
| 38230 H | 52230 | 130/153 | 215 | 89 | | 10,6 | 236 | 620 | 900 | 1300 |
| 38232 H | 52232 | 140/163 | 225 | 90 | | 12,1 | 245 | 655 | 850 | 1200 |
| 38234 H | 52234 | 150/173 | 240 | 97 | | 14,9 | 285 | 780 | 800 | 1100 |
| | | | | | | | | | | |
| 38305 | - | 20/25,2 | 52 | 34 | | 0,33 | 34,5 | 46,5 | 3400 | 4500 |
| 38306 | - | 25/30,2 | 60 | 38 | | 0,49 | 38 | 55 | 2800 | 3800 |
| 38307 | - | 30/35,2 | 68 | 44 | | 0,71 | 50 | 75 | 2400 | 3400 |
| 38308 | - | 30/40,2 | 78 | 49 | | 1,06 | 61 | 95 | 2000 | 3000 |
| 38309 | - | 35/45,2 | 85 | 52 | | 1,29 | 75 | 118 | 1900 | 2800 |
| 38310 | - | 40/50,2 | 95 | 58 | | 1,86 | 88 | 146 | 1800 | 2600 |
| 38311 | - | 45/55,2 | 105 | 64 | | 1,51 | 102 | 176 | 1600 | 2200 |
| 38312 | - | 50/60,2 | 110 | 64 | | 2,68 | 102 | 176 | 1600 | 2200 |
| 38313 | - | 55/65,2 | 115 | 65 | | 2,9 | 106 | 186 | 1500 | 2000 |
| 38314 | - | 55/70,2 | 125 | 72 | | 3,9 | 137 | 230 | 1400 | 1900 |
| 38315 | - | 60/75,2 | 135 | 79 | | 4,83 | 163 | 300 | 1200 | 1700 |
| 38316 | - | 65/80,2 | 140 | 79 | | 5,06 | 160 | 300 | 1200 | 1700 |
| 38317 | - | 70/85,2 | 150 | 87 | | 6,43 | 190 | 360 | 1100 | 1700 |
| 38318 | - | 75/90,2 | 165 | 88 | | 6,6 | 196 | 390 | 1000 | 1600 |
| 38320 | - | 85/100,2 | 170 | 97 | | 8,9 | 232 | 475 | 950 | 1400 |
| 38322 | - | 95/110,2 | 190 | 110 | | 13,8 | 275 | 610 | 810 | 1250 |
| 38324 | - | 100/120,2 | 210 | 123 | | 17,2 | 325 | 765 | 800 | 1100 |
| | | | | | | | | | | |
| 38305 H | 52305 | 20/27 | 52 | 34 | | 0,33 | 34,5 | 46,5 | 3400 | 4500 |
| 38306 H | 52306 | 25/32 | 60 | 38 | | 0,49 | 38 | 55 | 2800 | 3800 |
| 38307 H | 52307 | 30/37 | 68 | 44 | | 0,71 | 50 | 75 | 2400 | 3400 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 38 000 | (52…) | - double with flat support surface |
| 48 000 | (54…U) | - double with spherical backing rings |
| 58 000 | (54…) | - double row with a spherical support surface |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped assembly of two semiseparators;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast.

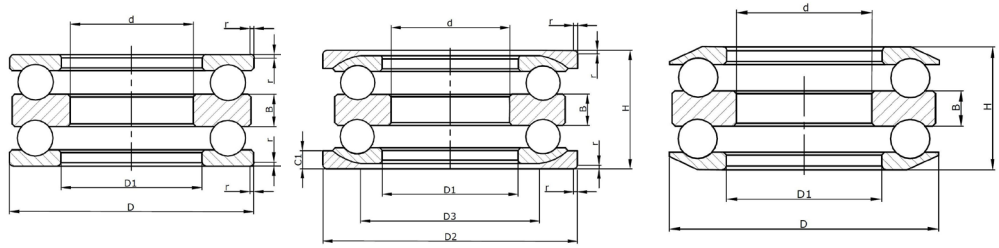



| | | | | | | 38 000 (52…) | | 48 000 (54…U) | | 58 000 (54…) |
|---|---|---|---|---|---|---|---|---|---|---|
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
| 38308 H | 52308 | 30/42 | 78 | 49 | | 1,06 | 61 | 95 | 2000 | 3000 |
| 38309 H | 52309 | 35/47 | 85 | 52 | | 1,29 | 75 | 118 | 1900 | 2800 |
| 38310 H | 52310 | 40/52 | 95 | 58 | | 1,86 | 88 | 146 | 1800 | 2600 |
| 38311 H | 52311 | 45/57 | 105 | 64 | | 2,51 | 102 | 176 | 1600 | 2200 |
| 38312 H | 52312 | 50/62 | 110 | 64 | | 2,68 | 102 | 176 | 1600 | 2200 |
| 38313 H | 52313 | 55/67 | 115 | 65 | | 2,9 | 106 | 186 | 1500 | 2000 |
| 38314 H | 52314 | 55/72 | 125 | 72 | | 3,9 | 137 | 230 | 1400 | 1900 |
| 38315 H | 52315 | 60/77 | 135 | 79 | | 4,83 | 163 | 300 | 1200 | 1700 |
| 38316 H | 52316 | 65/82 | 140 | 79 | | 5,06 | 160 | 300 | 1200 | 1700 |
| 38317 H | 52317 | 70/88 | 150 | 87 | | 6,43 | 190 | 360 | 1100 | 1700 |
| 38318 H | 52318 | 75/93 | 155 | 88 | | 6,6 | 196 | 390 | 1000 | 1600 |
| 38320 H | 52320 | 85/103 | 170 | 97 | | 8,9 | 232 | 475 | 950 | 1400 |
| 38322 H | 52322 | 95/113 | 190 | 110 | | 13,8 | 275 | 610 | 810 | 1250 |
| 38324 H | 52324 | 100/123 | 210 | 123 | | 17,2 | 325 | 765 | 800 | 1100 |
| 38326 H | 52326 | 110/134 | 225 | 130 | | 23,4 | 360 | 880 | 650 | 1000 |
| 38328 H | 52328 | 120/144 | 240 | 140 | | 28,2 | 400 | 1020 | 620 | 950 |
| 38330 H | 52330 | 130/154 | 250 | 140 | | 29,6 | 410 | 1290 | 670 | 900 |
| 38332 H | 52332 | 140/164 | 270 | 153 | | 37,7 | 470 | 1570 | 550 | 850 |
| 38334 H | 52334 | 150/174 | 280 | 153 | | 39,6 | 463 | 1570 | 520 | 800 |
| 38336 H | 52336 | 150/184 | 300 | 165 | | 50,9 | 463 | 1580 | 490 | 750 |
| 38338 H | 52338 | 160/195 | 320 | 183 | | 64,9 | 543 | 1950 | 440 | 680 |
| 38340 H | 52340 | 170/205 | 340 | 192 | | 77,8 | 596 | 2220 | 420 | 650 |
| | | | | | | | | | | |
| 38405 H | 52405 | 15/27 | 60 | 45 | | 0,63 | 45,5 | 57 | 2600 | 4000 |
| 38406 H | 52406 | 20/32 | 70 | 52 | | 1 | 69,5 | 95 | 2000 | 3000 |
| 38407 H | 52407 | 35/37 | 80 | 59 | | 1,44 | 76,5 | 106 | 1800 | 2600 |
| 38408 H | 52408 | 40/42 | 90 | 65 | | 2,03 | 96,5 | 143 | 1700 | 2400 |
| 38409 H | 52409 | 35/47 | 100 | 72 | | 2,71 | 122 | 186 | 1600 | 2200 |
| 38410 H | 52410 | 40/52 | 110 | 78 | | 3,56 | 137 | 216 | 1400 | 2100 |
| 38411 H | 52411 | 45/57 | 120 | 87 | | 4,7 | 166 | 265 | 1300 | 1800 |
| 38412 H | 52412 | 50/62 | 130 | 93 | | 6,33 | 200 | 325 | 1100 | 1600 |
| 38413 H | 52413 | 50/68 | 140 | 101 | | 8,03 | 244 | 390 | 1000 | 1600 |
| 38414 H | 52414 | 55/73 | 150 | 107 | | 9,71 | 240 | 440 | 940 | 1450 |
| 38415 H | 52415 | 60/78 | 160 | 115 | | 11,8 | 265 | 510 | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 38 000 | (52…) | - double with flat support surface |
| 48 000 | (54…U) | - double with spherical backing rings |
| 58 000 | (54…) | - double row with a spherical support surface |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped assembly of two semiseparators;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast.

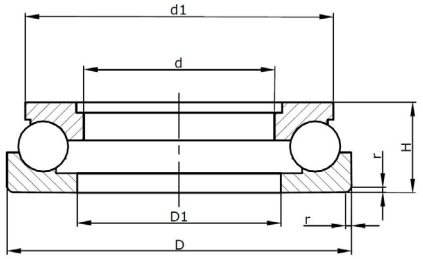



| | | | | | | 38 000 (52…) | | 48 000 (54…U) | | 58 000 (54…) |
|---|---|---|---|---|---|---|---|---|---|---|
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
| 38416 H | 52416 | 65/83 | 170 | 120 | | 14,5 | 275 | 550 | 810 | 1250 |
| 38417 H | 52417 | 65/88 | 180 | 128 | | 17,5 | 320 | 656 | - | - |
| 38418 H | 52418 | 70/93 | 190 | 135 | | 19,6 | 325 | 897 | 710 | 1100 |
| 38420 H | 52420 | 80/103 | 210 | 150 | | 26,6 | 400 | 915 | 620 | 950 |
| | | | | | | | | | | |
| 48307 | 54307 +U307 | 30/37 | 72 | 52 | | 0,898 | 55,5 | 105 | 2400 | 3700 |
| 48320 | 54320 +U320 | 85/103 | 175 | 115 | | 10,8 | 236 | 596 | 940 | 1450 |
| 48324 | 54324 +U324 | 100/123 | 220 | 143 | | 23,9 | 325 | 931 | 710 | 1100 |
| 848208 | - | 30/42 | 69 | 42 | | 0,7 | - | - | 2000 | 2600 |
| 848311 | - | 40/57 | 110 | 73 | | 2,7 | - | - | - | - |
| | | | | | | | | | | |
| 58708 | - | 21/35 | 60 | 28 | | 0,25 | - | - | - | - |
| 58709 | - | 46/40 | 68 | 28 | | 0,356 | - | - | - | - |
| 58712 | - | 60/50 | 82 | 32 | | 0,42 | - | - | - | - |

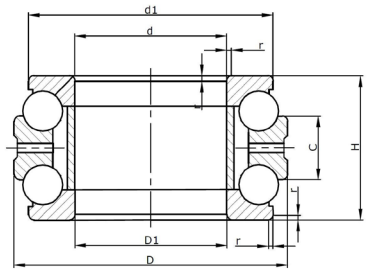
DESIGN OPTIONS:

| | | |
|---|---|---|
| 168 000 | | - trust radial single-row |
| 178 000 | 234… | - trust radial double-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped assembly of two semiseparators;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast.




**168 000**



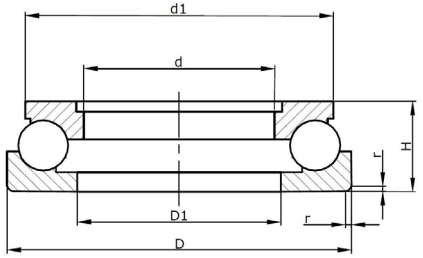

**178 000 (234…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 168118 | 751118 | 90 | 120 | 22 | | 0,65 | 50,6 | 139,6 | 2900 | 3900 |
| 168124 | 751124 | 120 | 155 | 25 | | 1,11 | 75,9 | 226,8 | 2400 | 3400 |
| 168130 | 751130 | 150 | 190 | 31 | | 1,94 | 107 | 341,5 | 2000 | 3000 |
| 168132 | 751132 | 160 | 200 | 31 | | 2,06 | 110,3 | 366,4 | 1900 | 2800 |
| 168140 | 751140 | 200 | 250 | 37 | | 4,02 | 170 | 465 | 1800 | 2600 |
| 168148 | 751148 | 240 | 300 | 45 | | 6,7 | 249 | 902 | 1200 | 1700 |
| 168160 | 751160 | 300 | 380 | 62 | | 15,5 | 233,4 | 1014 | 950 | 1350 |
| 91681/500 | - | 500 | 600 | 60 | | 30,3 | 283,2 | 1727,4 | 480 | 640 |
| 1681/670 | 7511/670 | 670 | 800 | 105 | | 71,2 | 460 | 3533 | 440 | 630 |
| 91681/1250 | - | 1250 | 1480 | 140 | | 396 | 1470 | 9710 | - | - |
| | | | | | | | | | | |
| 7168284 | - | 420 | 580 | 73 | | 51,1 | 359,7 | 2051 | 330 | 440 |
| 71682/560 | - | 560 | 750 | 85 | | 93,7 | 417,4 | 2980 | 190 | 290 |
| 71682/800 | - | 800 | 1060 | 118 | | 254 | 703,5 | 5771 | 130 | 200 |
| | | | | | | | | | | |
| 9168288 | - | 440 | 600 | 95 | | 71,2 | 508,2 | 2862 | 320 | 420 |
| 91682/670 | - | 670 | 900 | 140 | | 220 | 990,3 | 5909 | 160 | 160 |
| 91682/750 | - | 750 | 1000 | 150 | | 309 | 864,6 | 6731 | 140 | 220 |
| | | | | | | | | | | |
| 7168436 | - | 180 | 360 | 82 | | 32,6 | 365,6 | 1092 | 1000 | 1300 |
| | | | | | | | | | | |
| 168762 | - | 310 | 510 | 100 | | 55,5 | 427,5 | 3214 | - | - |
| 1687/770 | - | 770 | 1000 | 150 | | 292 | 1290 | 8490 | - | - |
| 71687/520 | - | 520 | 600 | 45 | | 19,4 | 1470 | 9710 | - | - |
| | | | | | | | | | | |
| 1688/770 | - | 770 | 900 | 90 | | 92,5 | 710 | 4590 | - | - |
| 31688/630 | - | 630 | 780 | 112 | | 96,4 | 860 | 3780 | - | - |
| | | | | | | | | | | |
| 178806 | 234406 | 30 | 55 | 32 | | 0,29 | 14,3 | 24 | 11000 | 16000 |
| 178807 | 234407 | 35 | 62 | 34 | | 0,38 | 17,6 | 31,5 | 9500 | 14000 |
| 178808 | 234408 | 40 | 68 | 36 | | 0,46 | 20,8 | 38 | 8500 | 12000 |
| 178809 | 234409 | 45 | 75 | 38 | | 0,58 | 23,2 | 45 | 7500 | 10000 |
| 178810 | 234410 | 50 | 80 | 38 | | 0,65 | 24 | 48,9 | 7000 | 9500 |
| 178811 | 234411 | 55 | 90 | 44 | | 0,91 | 34 | 67,3 | 6300 | 8500 |

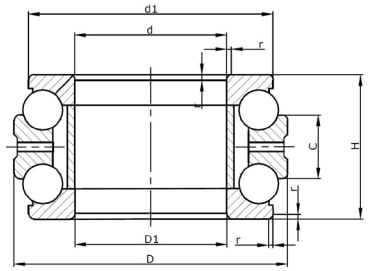
DESIGN OPTIONS:

| | | |
|---|---|---|
| 168 000 | | - trust radial single-row |
| 178 000 | 234… | - trust radial double-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped assembly of two semiseparators;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast.




**168 000**



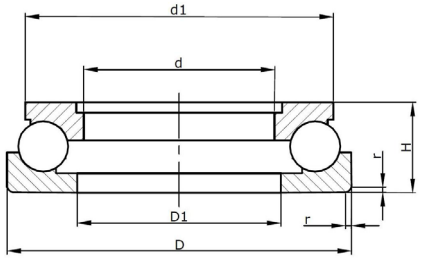

**178 000 (234…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 178812 | 234412 | 60 | 95 | 44 | | 1,06 | 33,5 | 67,5 | 6000 | 8000 |
| 178813 | 234413 | 65 | 100 | 44 | | 1,13 | 36 | 75,3 | 5600 | 7500 |
| 178814 | 234414 | 70 | 110 | 48 | | 1,27 | 42,5 | 92 | 5300 | 7000 |
| 178815 | 234415 | 75 | 115 | 48 | | 1,62 | 44 | 99,5 | 5000 | 6700 |
| 178816 | 234416 | 80 | 125 | 54 | | 2 | 52 | 117,3 | 4500 | 6000 |
| 178817 | 234417 | 85 | 130 | 54 | | 2,3 | 52 | 121,9 | 4500 | 6000 |
| 178818 | 234418 | 90 | 140 | 60 | | 2,9 | 61 | 143,8 | 4000 | 5300 |
| 178819 | 234419 | 95 | 145 | 60 | | 3,1 | 61 | 148,4 | 4000 | 5300 |
| 178820 | 234420 | 100 | 150 | 60 | | 3,2 | 62 | 154,1 | 3800 | 5000 |
| 178822 | 234422 | 110 | 170 | 72 | | 5,23 | 90 | 221,9 | 3400 | 4500 |
| 178824 | 234424 | 120 | 180 | 72 | | 5,46 | 93 | 239,2 | 3200 | 4300 |
| 178826 | 234426 | 130 | 200 | 84 | | 8,37 | 118 | 299 | 2800 | 3800 |
| 178828 | 234428 | 140 | 210 | 84 | | 9,46 | 122,04 | 322 | 2600 | 3600 |
| 178830 | 234430 | 150 | 225 | 90 | | 10,8 | 132 | 356,5 | 2600 | 3600 |
| 178832 | 234432 | 160 | 240 | 96 | | 12,83 | 156 | 414 | 2400 | 3400 |
| 178836 | 234436 | 180 | 280 | 120 | | 23,6 | 216 | 575 | 2000 | 3000 |
| 178840 | 234440 | 200 | 310 | 132 | | 32,1 | 265 | 713 | 1800 | 2600 |
| 178844 | 234444 | 220 | 340 | 144 | | 41,7 | 315 | 900 | 1600 | 2200 |
| 178848 | 234448 | 240 | 360 | 144 | | 46,7 | 300 | 1090 | 1100 | 1500 |
| 178852 | 234452 | 260 | 400 | 164 | | 64,5 | 380 | 1180 | 1400 | 1900 |
| 178856 | 234456 | 280 | 420 | 164 | | 69 | 390 | 1270 | 1300 | 1800 |
| 178860 | 234460 | 300 | 460 | 190 | | 98,4 | 450 | 1530 | 1200 | 1700 |
| 178864 | 234464 | 320 | 480 | 190 | | 102 | 455 | 1630 | 1200 | 1700 |
| 178868 | 234468 | 340 | 520 | 212 | | 138 | 540 | 2000 | 1100 | 1600 |
| 178872 | 234472 | 360 | 540 | 212 | | 144 | 540 | 2040 | 1000 | 1500 |
| 178876 | 234476 | 380 | 560 | 212 | | 154 | 560 | 2200 | 1000 | 1500 |
| 178880 | 234480 | 400 | 600 | 236 | | 198 | 630 | 2550 | 900 | 1300 |
| | | | | | | | | | | |
| 178906 | 234706 | 32 | 55 | 32 | | 0,27 | 14,3 | 24 | 11000 | 16000 |
| 178907 | 234707 | 37 | 62 | 34 | | 0,35 | 17,6 | 31,5 | 9500 | 14000 |
| 178908 | 234708 | 42 | 68 | 36 | | 0,44 | 20,8 | 38,5 | 8500 | 12000 |
| 178909 | 234709 | 47 | 75 | 38 | | 0,54 | 23,2 | 45 | 7500 | 10000 |
| 178910 | 234710 | 52 | 80 | 38 | | 0,58 | 24 | 49 | 7000 | 9500 |
| 178911 | 234711 | 57 | 90 | 44 | | 0,88 | 34 | 67 | 6300 | 8500 |

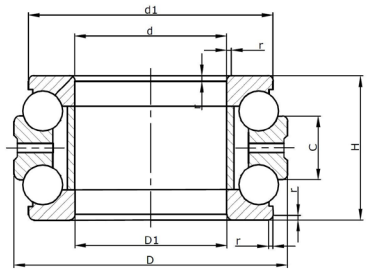
DESIGN OPTIONS:

| | | |
|---|---|---|
| 168 000 | | - trust radial single-row |
| 178 000 | 234… | - trust radial double-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- steel stamped assembly of two semiseparators;
- brass mechanically processed (integral);
- steel mechanically processed (integral);
- brass compound mechanically processed;
- glassnylon composite cast.




**168 000**

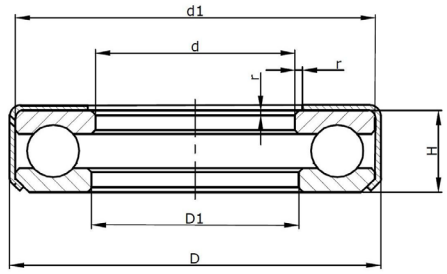



**178 000 (234…)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 178912 | 234712 | 62 | 95 | 44 | | 0,94 | 33,5 | 68 | 6000 | 8000 |
| 178913 | 234713 | 67 | 100 | 44 | | 1,01 | 36 | 76,5 | 5600 | 7500 |
| 178914 | 234714 | 73 | 110 | 48 | | 1,36 | 42,5 | 93 | 5300 | 7000 |
| 178915 | 234715 | 78 | 115 | 48 | | 1,43 | 44 | 100 | 5000 | 6700 |
| 178916 | 234716 | 83 | 125 | 54 | | 1,49 | 52 | 120 | 4500 | 6000 |
| 178917 | 234717 | 88 | 130 | 54 | | 2,07 | 52 | 125 | 4500 | 6000 |
| 178918 | 234718 | 93 | 140 | 60 | | 2,71 | 61 | 146 | 4000 | 5300 |
| 178919 | 234719 | 98 | 145 | 60 | | 2,83 | 61 | 150 | 4000 | 5300 |
| 178920 | 234720 | 103 | 150 | 60 | | 2,96 | 62 | 156 | 3800 | 5000 |
| 178922 | 234722 | 114 | 170 | 72 | | 4,23 | 90 | 221,9 | 3400 | 4500 |
| 178924 | 234724 | 124 | 180 | 72 | | 5,14 | 93 | 240 | 3200 | 4300 |
| 178926 | 234726 | 135 | 200 | 84 | | 7,58 | 118 | 300 | 2800 | 3800 |
| 178928 | 234728 | 145 | 210 | 84 | | 8,1 | 122 | 322 | 2600 | 3600 |
| 178930 | 234730 | 155 | 225 | 90 | | 9,95 | 132 | 355 | 2600 | 3600 |
| 178932 | 234732 | 165 | 240 | 96 | | 12 | 156 | 415 | 2400 | 3400 |
| 178934 | 234734 | 176 | 260 | 108 | | 16,3 | 193 | 520 | 2200 | 3200 |
| 178936 | 234736 | 187 | 280 | 120 | | 21,5 | 216 | 585 | 2000 | 3000 |
| 178938 | 234738 | 197 | 290 | 120 | | 22,6 | 224 | 630 | 1900 | 2800 |
| 178940 | 234740 | 207 | 310 | 132 | | 29,2 | 265 | 720 | 1800 | 2600 |
| 178944 | 234744 | 228 | 340 | 144 | | 38,5 | 315 | 900 | 1600 | 2200 |
| 178948 | 234748 | 248 | 360 | 144 | | 40,4 | 325 | 965 | 1500 | 2000 |
| 178952 | 234752 | 269 | 400 | 164 | | 59,7 | 380 | 1180 | 1400 | 1900 |
| 178956 | 234756 | 289 | 420 | 164 | | 63,8 | 390 | 1270 | 1300 | 1800 |
| 178960 | 234760 | 310 | 460 | 190 | | 91,2 | 450 | 1530 | 1200 | 1700 |
| 178964 | 234764 | 330 | 480 | 190 | | 94,9 | 455 | 1630 | 1200 | 1700 |
| 178968 | 234768 | 350 | 520 | 212 | | 129 | 540 | 2000 | 1100 | 1600 |
| 178972 | 234772 | 370 | 540 | 212 | | 135 | 540 | 2040 | 1000 | 1500 |
| 178976 | 234776 | 390 | 560 | 212 | | 144 | 560 | 2200 | 1000 | 1500 |
| 178980 | 234780 | 410 | 600 | 236 | | 187 | 630 | 2550 | 900 | 1300 |

DESIGN OPTIONS:

| | |
|---|---|
| 98 000<br>108 000 | - single without separator in the housing |

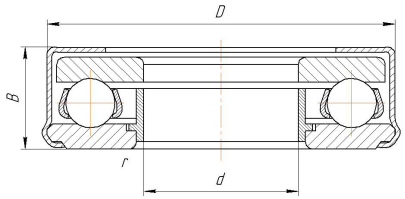


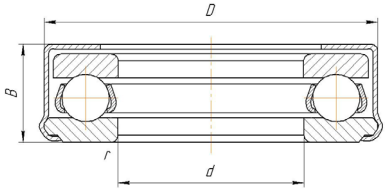

**98 000; 108 000**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 98206 | - | 30,1 | 52 | 16 | | 0,138 | - | - | 700 | 1000 |
| 98316 | - | 80 | 145 | 45 | | 2,9 | 192 | 340 | 1100 | 1600 |
| | | | | | | | | | | |
| 108710 | - | 50 | 80,5 | 22,8 | | 0,414 | 55 | 121 | 630 | 900 |
| 108714 | - | 70 | 130 | 41 | | 2,137 | 162 | 268,3 | 1300 | 1800 |
| 108804 | - | 20 | 37 | 11 | | 0,047 | 15,5 | 21,5 | 4300 | 6300 |
| 108810 | - | 50 | 97,5 | 32 | | 1,033 | 103 | 156 | 630 | 900 |
| 108815 | - | 75 | 92 | 10,8 | | 1,53 | - | - | 1500 | - |
| 108903 | - | 17,5 | 32,5 | 10,669 | | 0,036 | 10 | 16 | 5200 | 6000 |
| 108904 | - | 20,88 | 42,5 | 13,5 | | 0,086 | 20 | 28 | 1300 | 1800 |
| 108905 | - | 25,2 | 51 | 15,875 | | 0,14 | 16 | 26 | 1000 | 1500 |
| 108906 | - | 27,1 | 51 | 15,875 | | 0,135 | 16 | 38 | 1000 | 1500 |

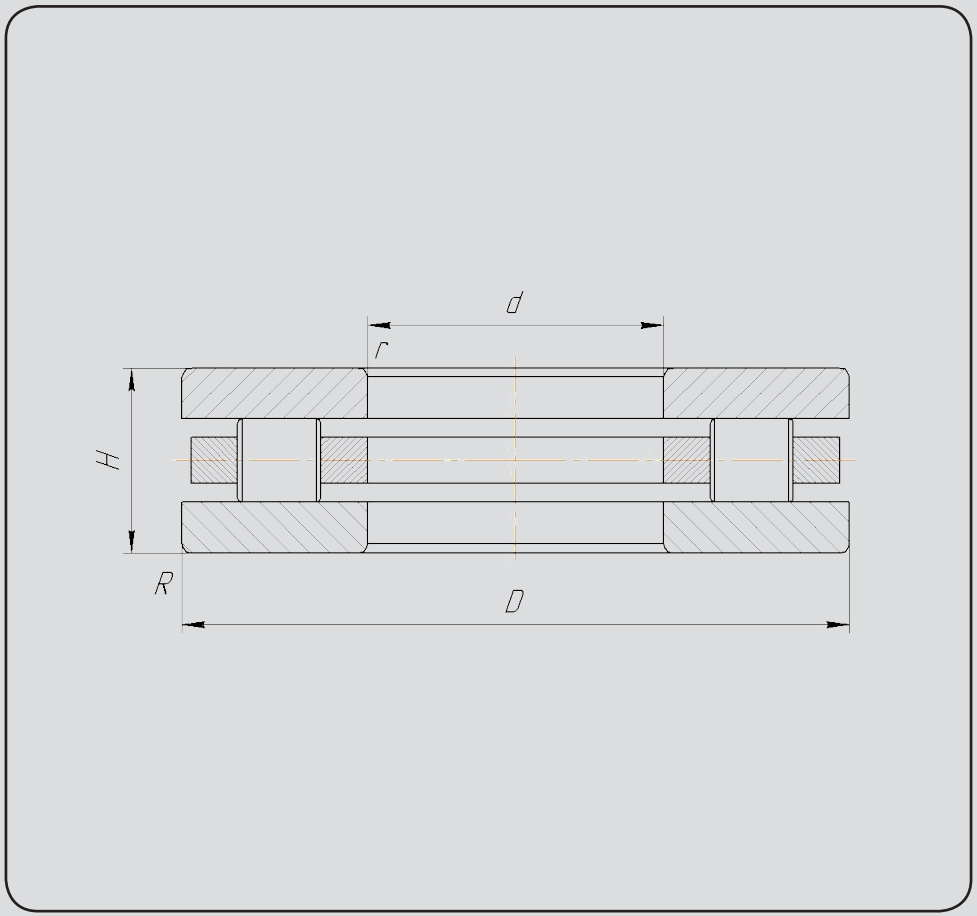
DESIGN OPTIONS:

| | |
|---|---|
| 688 000<br>9 588 000 | - single in the housing |




| | | | | | | 688 000 | | | 9 588 000 | |
|---|---|---|---|---|---|---|---|---|---|---|
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
| 688811 | - | 55 | 90/89 | 21 | | 0,42 | 38 | 90 | 2000 | - |
| 688911 | - | 52,388 | 84,5/83,5 | 20,7 | | 0,37 | 22 | 39,2 | 1800 | 2700 |
| | | | | | | | | | | |
| 588911 | - | 52,388 | 84,5 | 20,84 | | 0,38 | 22 | 39,2 | 1800 | 2700 |
| 9588213 | - | 65 | 100 | 21 | | 0,623 | - | - | 1600 | - |
| 9588214 | - | 70 | 105 | 21,5 | | 0,656 | - | - | 1300 | - |
| 9588217 | - | 85 | 125 | 24,5 | | 0,866 | 68,4 | 170,3 | 1100 | - |
| 9588218 | - | 90 | 135 | 27 | | 1,18 | 65,7 | 165,5 | 1000 | - |




# ROLLER THRUST AND THRUST RADIAL BEARINGS

**(TYPE BEARINGS «9»)**

## I. ROLLER THRUST BEARINGS WITH CYLINDRICAL ROLLERS

SINGLE-ROW ..... 634

MULTIROW ..... 640

SINGLE-ROW WITH NEEDLE ROLLERS ..... 644

DOUBLE ..... 646

## II. THRUST AND RADIAL SPHERICAL BEARINGS WITH BARREL-SHAPED ROLLERS

..... 648

## III. THRUST BEARERS WITH CONICAL ROLLERS

SINGLE ..... 658

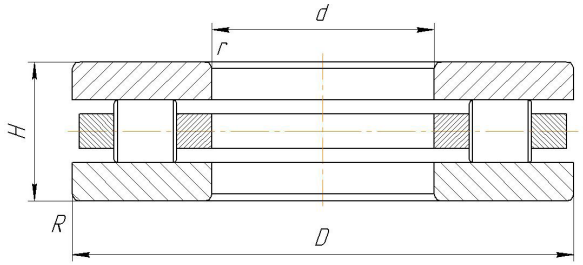
SINGLE THRUST BEARING IN THE HOUSING ..... 660

DOUBLE ..... 660

DESIGN OPTIONS:

| | | |
|---|---|---|
| 9 000 | (81 000) | - single-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- brass mechanically processed (integral);
- glassnylon composite cast



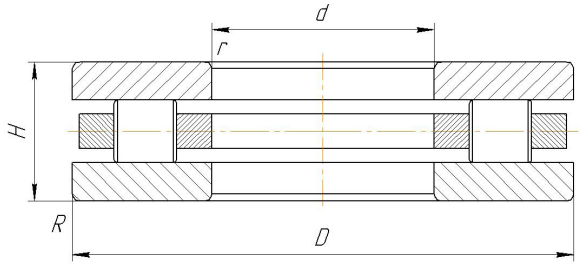

**9 000 (81 000)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 9102 | 81102 | 15 | 28 | 9 | | 0,024 | 10400 | 24500 | 3200 | 4300 |
| 9103 | 81103 | 17 | 30 | 9 | | 0,027 | 10800 | 27000 | 3200 | 4300 |
| 9104 | 81104 | 20 | 35 | 10 | | 0,037 | 20400 | 54000 | 2800 | 3800 |
| 9105 | 81105 | 25 | 42 | 11 | | 0,053 | 26600 | 73500 | 2200 | 3200 |
| 9106 | 81106 | 30 | 47 | 11 | | 0,057 | 28000 | 83000 | 1700 | 2400 |
| 9107 | 81107 | 35 | 52 | 12 | | 0,073 | 26000 | 78000 | 1900 | 2800 |
| 9108 | 81108 | 40 | 60 | 13 | | 0,11 | 35000 | 116000 | 1700 | 2400 |
| 9109 | 81109 | 45 | 65 | 14 | | 0,13 | 40000 | 129000 | 1600 | 2200 |
| 9110 | 81110 | 50 | 70 | 14 | | 0,14 | 42500 | 143000 | 1600 | 2200 |
| 9111 | 81111 | 55 | 78 | 16 | | 0,22 | 52000 | 193000 | - | - |
| 9112 | 81112 | 60 | 85 | 17 | | 0,27 | 67000 | 232000 | 1300 | 1800 |
| 9113 | 81113 | 65 | 90 | 18 | | 0,31 | 68000 | 245000 | 1200 | 1700 |
| 9114 | 81114 | 70 | 95 | 18 | | 0,33 | 71000 | 265000 | 1200 | 1700 |
| 9115 | 81115 | 75 | 100 | 19 | | 0,38 | 75000 | 255000 | 1100 | 1600 |
| 9116 | 81116 | 80 | 105 | 19 | | 0,4 | 26500 | 300000 | 1000 | 1500 |
| 9117 | 81117 | 85 | 110 | 19 | | 0,42 | 76500 | 310000 | 1000 | 1500 |
| 9118 | 81118 | 90 | 120 | 22 | | 0,64 | 104000 | 415000 | 900 | 1300 |
| 9120 | 81120 | 100 | 135 | 25 | | 1 | 146000 | 585000 | 850 | 1200 |
| 9122 | 81122 | 110 | 145 | 25 | | 1,1 | 160000 | 655000 | 800 | 1100 |
| 9124 | 81124 | 120 | 155 | 25 | | 1,15 | 160000 | 680000 | 800 | 1100 |
| 9126 | 81126 | 130 | 170 | 30 | | 1,7 | 183000 | 780000 | - | - |
| 9128 | 81128 | 140 | 180 | 31 | | 1,95 | 196000 | 885000 | - | - |
| 9130 | 81130 | 150 | 190 | 31 | | 2,05 | 204000 | 930000 | 630 | 850 |
| 9132 | 81132 | 160 | 200 | 31 | | 2,2 | 212000 | 960000 | 630 | 850 |
| 9134 | 81134 | 170 | 215 | 34 | | 2,95 | 265000 | 1220000 | - | - |
| 9136 | 81136 | 180 | 225 | 34 | | 3,05 | 275000 | 1290000 | - | - |
| 9138 | 81138 | 190 | 240 | 37 | | 3,85 | 315000 | 1500000 | - | - |
| 9140 | 81140 | 200 | 250 | 37 | | 4 | 325000 | 1600000 | 530 | 700 |
| 9144 | 81144 | 220 | 270 | 37 | | 4,5 | 355000 | 1830000 | - | - |
| 9148 | 81148 | 240 | 300 | 45 | | 7,25 | 465000 | 2360000 | - | - |
| 9152 | 81152 | 260 | 320 | 45 | | 7,85 | 500000 | 2650000 | 400 | 530 |
| 9156 | 81156 | 280 | 350 | 53 | | 10,5 | 670000 | 3450000 | - | - |
| 9160 | 81160 | 300 | 380 | 62 | | 16,5 | 800000 | 4000000 | - | - |
| 9164 | 81164 | 320 | 400 | 63 | | 18 | 865000 | 4500000 | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 9 000 | (81 000) | - single-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- brass mechanically processed (integral);
- glassnylon composite cast



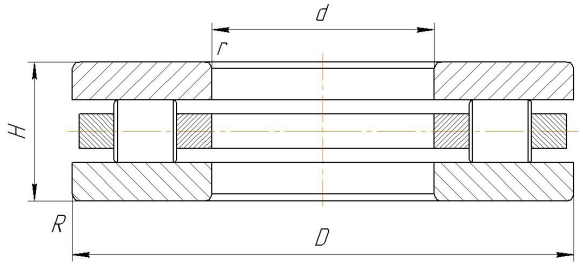

**9 000 (81 000)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 9168 | 81168 | 340 | 420 | 64 | | 19,5 | 850000 | 4500000 | - | - |
| 9172 | 81172 | 360 | 440 | 65 | | 19,5 | 900000 | 4900000 | - | - |
| 9176 | 81176 | 380 | 460 | 65 | | 22 | 880000 | 4900000 | - | - |
| 9180 | 81180 | 400 | 480 | 65 | | 23 | 915000 | 5100000 | - | - |
| 9184 | 81184 | 420 | 500 | 65 | | 24 | 930000 | 5400000 | - | - |
| 9188 | 81188 | 440 | 540 | 80 | | 39,5 | 1340000 | 7350000 | - | - |
| 9192 | 81192 | 460 | 560 | 80 | | 41 | 1370000 | 7800000 | - | - |
| 9196 | 81196 | 480 | 580 | 80 | | 43 | 1400000 | 8000000 | - | - |
| 91/500 | 811/500 | 500 | 600 | 80 | | 44 | 1430000 | 8500000 | - | - |
| 91/530 | 811/530 | 530 | 640 | 85 | | 55,5 | 1630000 | 9500000 | - | - |
| 91/560 | 811/560 | 560 | 670 | 85 | | 58 | 1660000 | 10000000 | - | - |
| 91/600 | 811/600 | 600 | 710 | 85 | | 62 | 1700000 | 10500000 | - | - |
| 90091/600 | - | 600 | 710 | 67 | | 49,8 | 1640 | 11500 | - | - |
| 90091/950 | - | 950 | 1120 | 103 | | 220 | 2700 | 22100 | - | - |
| | | | | | | | | | | |
| 9206 | 81206 | 30 | 52 | 16 | | 0,12 | 46500 | 122000 | 1700 | 2400 |
| 9207 | 81207 | 35 | 62 | 18 | | 0,2 | 51000 | 143000 | 1500 | 2000 |
| 9208 | 81208 | 40 | 68 | 19 | | 0,25 | 76500 | 220000 | 1400 | 1900 |
| 9209 | 81209 | 45 | 73 | 20 | | 0,3 | 83000 | 255000 | 1300 | 1800 |
| 9210 | 81210 | 50 | 78 | 22 | | 0,36 | 68000 | 285000 | 1200 | 1700 |
| 9211 | 81211 | 55 | 90 | 25 | | 0,57 | 122000 | 390000 | 950 | 1400 |
| 9212 | 81212 | 60 | 95 | 26 | | 0,64 | 114000 | 365000 | 950 | 1400 |
| 9213 | 81213 | 65 | 100 | 27 | | 0,72 | 118000 | 390000 | 900 | 1300 |
| 9214 | 81214 | 70 | 105 | 27 | | 0,77 | 122000 | 415000 | 900 | 1300 |
| 9215 | 81215 | 75 | 110 | 27 | | 0,81 | 125000 | 440000 | 850 | 1200 |
| 9216 | 81216 | 80 | 115 | 28 | | 0,9 | 129000 | 455000 | 850 | 1200 |
| 9217 | 81217 | 85 | 125 | 31 | | 1,3 | 153000 | 550000 | 800 | 1100 |
| 9218 | 81218 | 90 | 135 | 35 | | 1,75 | 190000 | 670000 | 750 | 1000 |
| 9220 | 81220 | 100 | 150 | 38 | | 2,2 | 224000 | 815000 | 670 | 900 |
| 9222 | 81222 | 100 | 160 | 38 | | 2,45 | 232000 | 863000 | 630 | 850 |
| 9224 | 81224 | 120 | 170 | 39 | | 2,7 | 245000 | 950000 | 600 | 800 |
| 9226 | 81226 | 130 | 190 | 45 | | 4,2 | 365000 | 1400000 | 530 | 700 |
| 9228 | 81228 | 140 | 200 | 46 | | 4,55 | 875000 | 1460000 | 530 | 700 |
| 9230 | 81230 | 150 | 215 | 50 | | 5,9 | 455000 | 1800000 | 480 | 630 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 9 000 | (81 000) | - single-row |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- brass mechanically processed (integral);
- glassnylon composite cast



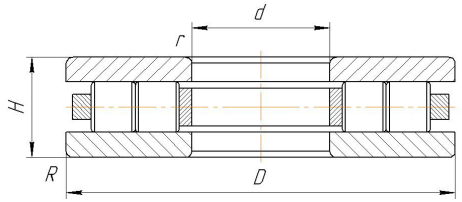

**9 000 (81 000)**

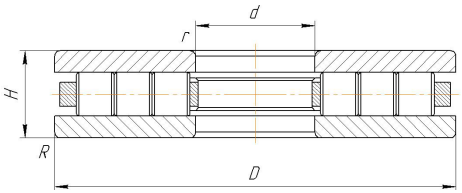
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 9232 | 81232 | 160 | 225 | 51 | | 6,2 | 465000 | 1900000 | 450 | 600 |
| 9234 | 81234 | 170 | 240 | 55 | | 7,7 | 510000 | 2080000 | 430 | 580 |
| 9236 | 81236 | 180 | 250 | 56 | | 8,25 | 520000 | 2180000 | 430 | 580 |
| 9238 | 81238 | 190 | 270 | 62 | | 10,5 | 655000 | 2650000 | 380 | 500 |
| 9240 | 81240 | 200 | 280 | 62 | | 12 | 695000 | 2900000 | 380 | 500 |
| 9244 | 81244 | 220 | 300 | 63 | | 13 | 710000 | 3050000 | 360 | 480 |
| 9248 | 81248 | 240 | 340 | 78 | | 22 | 980000 | 4250000 | 300 | 400 |
| 9252 | 81252 | 260 | 360 | 79 | | 24 | 1040000 | 4650000 | 280 | 380 |
| 9256 | 81256 | 280 | 380 | 80 | | 26 | 1060000 | 4900000 | 260 | 360 |
| 9260 | 81260 | 300 | 420 | 95 | | 40,5 | 1400000 | 6200000 | 220 | 320 |
| 9264 | 81264 | 320 | 440 | 95 | | 42,5 | 1430000 | 6550000 | 200 | 300 |
| 9268 | 81268 | 340 | 460 | 96 | | 47 | 1500000 | 7100000 | 200 | 300 |
| 9272 | 81272 | 360 | 500 | 110 | | 65,5 | 1980000 | 9150000 | 180 | 260 |
| 9276 | 81276 | 380 | 520 | 112 | | 70 | 2000000 | 9500000 | 180 | 260 |
| 9280 | 81280 | 400 | 540 | 112 | | 73 | 2080000 | 10000000 | 170 | 240 |
| 9284 | 81284 | 420 | 580 | 130 | | 95,5 | 2800000 | 12200000 | 160 | 220 |
| 9288 | 81288 | 440 | 600 | 130 | | 110 | 2650000 | 12900000 | 160 | 220 |
| 9292 | 81292 | 460 | 620 | 130 | | 118 | 2700000 | 13400000 | 150 | 200 |
| 9296 | 81296 | 480 | 650 | 135 | | 128 | 3050000 | 15000000 | 150 | 200 |
| 92/500 | 812/500 | 500 | 670 | 135 | | 133 | 3100000 | 15500000 | 140 | 190 |
| 92/530 | 812/530 | 530 | 710 | 140 | | 154 | 3550000 | 18000000 | 130 | 180 |
| 92/560 | 812/560 | 560 | 750 | 150 | | 187 | 3600000 | 16600000 | 120 | 170 |
| 92/600 | 812/600 | 600 | 800 | 160 | | 240 | 4050000 | 21200000 | 110 | 160 |
| | | | | | | | | | | |
| 9707 | - | 35 | 72 | 28 | | 0,506 | - | - | - | - |
| 9723 | - | 115 | 140,6 | 18 | | 0,763 | - | - | - | - |
| 9729 | - | 145 | 180 | 26 | | 1,55 | - | - | - | - |
| 8097/1800 | - | 1800 | 1950 | 160 | | 532 | - | - | - | - |
| | | | | | | | | | | |
| 9901 | - | 12,8 | 24 | 3,5 | | 0,0071 | - | - | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 889 000 | (89 000) | - single-multirow |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;;
- brass mechanically processed (integral);
- glassnylon composite cast.



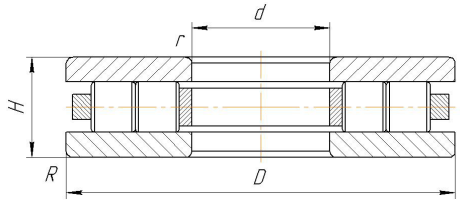



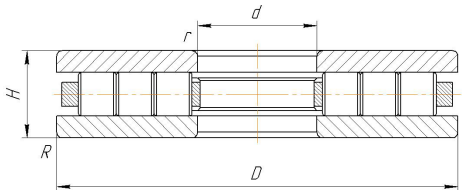

| | | | | | | 889 000 (89 000) | | | | 889 000 (89 000) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) | Modification |
| 889309 | - | 45 | 85 | 34 | | 0,764 | - | - | - | - | 2-х ряд. |
| 9889306 | 89306 | 30 | 60 | 18 | | 0,1 | - | - | - | - | 2-х ряд. |
| 9889307 | 89307 | 35 | 68 | 20 | | 0,13 | - | - | - | - | 2-х ряд. |
| 9889308 | 89308 | 40 | 78 | 22 | | 0,19 | 64500 | 10700 | - | - | 2-х ряд. |
| 9889309 | 89309 | 45 | 85 | 24 | | 0,25 | 72500 | 128000 | - | - | 2-х ряд. |
| 9889310 | 89310 | 50 | 95 | 27 | | 0,36 | 116000 | 194000 | - | - | 2-х ряд. |
| 9889311 | 89311 | 55 | 105 | 30 | | 0,49 | 136000 | 246000 | - | - | 2-х ряд. |
| 9889312 | 89312 | 60 | 110 | 30 | | 0,52 | 142000 | 264000 | - | - | 2-х ряд. |
| 9889313 | 89313 | 65 | 115 | 30 | | 0,54 | 148000 | 285000 | - | - | 2-х ряд. |
| 9889314 | 89314 | 70 | 125 | 34 | | 0,8 | 194000 | 350000 | - | - | 2-х ряд. |
| 9889315 | 89315 | 75 | 135 | 36 | | 0,97 | 213000 | 405000 | - | - | 2-х ряд. |
| 9889316 | 89316 | 80 | 140 | 36 | | 1,02 | 212000 | 405000 | - | - | 2-х ряд. |
| 9889317 | 89317 | 85 | 150 | 39 | | 1,23 | 262000 | 550000 | - | - | 2-х ряд. |
| 9889318 | 89318 | 90 | 155 | 39 | | 1,33 | 255000 | 485000 | - | - | 2-х ряд. |
| 9889320 | 89320 | 100 | 170 | 42 | | 1,69 | 297000 | 610000 | - | - | 2-х ряд. |
| 9889322 | 89322 | 110 | 190 | 48 | | 2,44 | 400000 | 815000 | - | - | 2-х ряд. |
| 9889324 | 89324 | 120 | 210 | 54 | | 3,4 | 515000 | 1060000 | - | - | 2-х ряд. |
| 9889326 | 89326 | 130 | 225 | 58 | | 4,05 | 595000 | 1300000 | - | - | 2-х ряд. |
| 9889328 | 89328 | 140 | 240 | 60 | | 4,8 | 625000 | 1300000 | - | - | 2-х ряд. |
| 9889330 | 89330 | 150 | 250 | 60 | | 5,06 | 645000 | 1380000 | - | - | 2-х ряд. |
| 9889332 | 89332 | 160 | 270 | 67 | | 6,73 | 760000 | 1730000 | - | - | 2-х ряд. |
| 9889334 | 89334 | 170 | 280 | 67 | | 7,03 | 815000 | 1940000 | - | - | 2-х ряд. |
| 9889336 | 89336 | 180 | 300 | 73 | | 8,7 | 1020000 | 2210000 | - | - | 2-х ряд. |
| 9889338 | 89338 | 190 | 320 | 78 | | 10,63 | 1120000 | 2540000 | - | - | 2-х ряд. |
| 9889340 | 89340 | 200 | 340 | 85 | | 12,57 | 1200000 | 2840000 | - | - | 2-х ряд. |
| | | | | | | | | | | | |
| 9889416 | - | 80 | 170 | 54 | | 5,6 | - | - | - | - | 2-х ряд. |
| 9889468K | - | 340 | 620 | 170 | | 246 | - | - | - | - | 3-х ряд. |
| 9889492 | - | 460 | 800 | 206 | | 505 | - | - | - | - | 3-х ряд. |
| | | | | | | | | | | | |
| 9009580 | - | 400 | 850 | 272 | | 830 | - | - | - | - | 2-х ряд. |
| | | | | | | | | | | | |
| 889736 | - | 180 | 300 | 73 | | 22,5 | 992,7 | 1883 | - | - | 2-х ряд. |
| 889752 | - | 260 | 540 | 132 | | 166 | 4200 | 7911 | - | - | 3-х ряд. |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 889 000 | (89 000) | - single-multirow |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;;
- brass mechanically processed (integral);
- glassnylon composite cast.



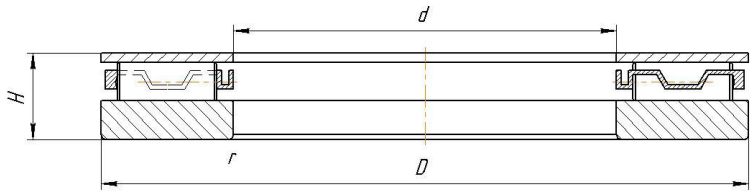




| | | | | | | 889 000 (89 000) | | | | 889 000 (89 000) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) | Modification |
| 889764 | - | 320 | 900 | 230 | | 860 | 13937 | 27970 | - | - | 4-х ряд. |
| 889852 | - | 260 | 580 | 145 | | 214 | 5386 | 10139 | - | - | 3-х ряд. |
| 8899/559 | - | 558,8 | 1066,8 | 286,13 | | 1366 | 47500 | 10700 | - | - | 3-х ряд. |

DESIGN OPTIONS:

| | |
|---|---|
| 219 000 | - single row with needle rollers |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite; ;
- glassnylon composite cast;



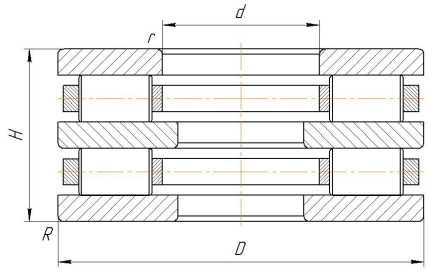

**219 000**

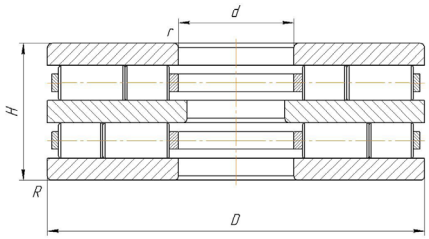
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 219800 | - | 10 | 24 | 5,75 | | 0,013 | 8,5 | 26 | 4300 | 5600 |
| 219801 | - | 12 | 26 | 5,75 | | 0,014 | 9,1 | 30 | 3400 | 4500 |
| 219803 | - | 17 | 30 | 5,75 | | 0,017 | 11 | 40,5 | 3200 | 4300 |
| 219804 | - | 20 | 35 | 5,75 | | 0,023 | 12 | 47,5 | 2800 | 3800 |
| 219805 | - | 25 | 42 | 6 | | 0,033 | 13,4 | 60 | 2200 | 3200 |
| 219806 | - | 30 | 47 | 6 | | 0,038 | 15 | 72 | 2000 | 3000 |
| 219807 | - | 35 | 52 | 6,5 | | 0,048 | 16,6 | 83 | 1900 | 2800 |
| 219808 | - | 40 | 60 | 7,5 | | 0,068 | 25 | 114 | 1700 | 2400 |
| 219809 | - | 45 | 65 | 8 | | 0,081 | 27 | 127 | 1600 | 2200 |
| 219810 | - | 50 | 70 | 8 | | 0,089 | 28,5 | 143 | 1600 | 2200 |
| 219811 | - | 55 | 78 | 9 | | 0,134 | 34,5 | 186 | 1400 | 1900 |
| 219812 | - | 60 | 85 | 8,75 | | 0,152 | 37,5 | 232 | 1300 | 1800 |
| 219813 | - | 65 | 90 | 9,25 | | 0,174 | 39 | 255 | 1200 | 1700 |
| 219814 | - | 70 | 95 | 10,25 | | 0,208 | 49 | 255 | 1200 | 1700 |
| 219814 | - | 75 | 100 | 10,75 | | 0,23 | 50 | 265 | 1100 | 1600 |
| 219816 | - | 80 | 105 | 10,17 | | 0,242 | 51 | 280 | 1000 | 1500 |
| 219817 | - | 85 | 110 | 10,75 | | 0,255 | 52 | 290 | 1000 | 1500 |
| 219818 | - | 90 | 120 | 11,5 | | 0,359 | 65,5 | 405 | 900 | 1300 |
| 219820 | - | 100 | 135 | 12 | | 0,504 | 76,5 | 560 | 850 | 1200 |
| 219822 | - | 110 | 145 | 12 | | 0,562 | 81,5 | 620 | 800 | 1100 |
| 219824 | - | 120 | 155 | 12 | | 0,605 | 86,5 | 680 | 800 | 1100 |
| 219826 | - | 130 | 170 | 15 | | 0,933 | 112 | 830 | 700 | 950 |
| 219830 | - | 150 | 190 | 15,5 | | 0,112 | 120 | 950 | 630 | 850 |
| 219832 | - | 160 | 200 | 15,5 | | 1,177 | 125 | 1000 | 630 | 850 |

DESIGN OPTIONS:

| | |
|---|---|
| 89 000, 59 000 | - double |

OPTIONS OF SEPARATOR DESIGN:
- steel stamped unite;
- brass mechanically processed (integral);
- glassnylon composite cast;



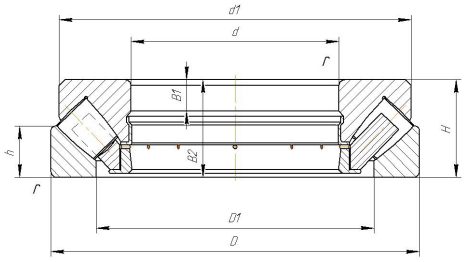




**89 000, 59 000** **89 000, 59 000**

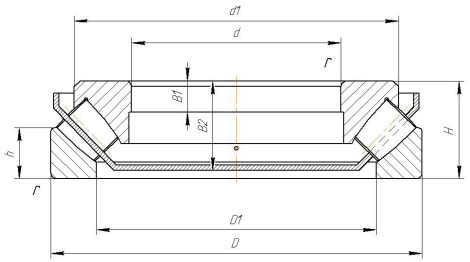
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) | Modification |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 89739 | - | 155 | 280 | 105 | | 26,3 | 1380 | 2550 | - | - | double row. |
| 89752 | - | 220 | 370 | 140 | | 57 | 2400 | 4800 | - | - | double row.. |
| 89764 | - | 270 | 430 | 165 | | 82,3 | 3350 | 7500 | - | - | double row.. |
| 597/750 | - | 750 | 950 | 290 | | 648 | 5200 | 10600 | - | - | single row |
| 8899/559 | - | 558,8 | 1066,8 | 286,13 | | 1366 | 47500 | 10700 | - | - | three-row. |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 9 039 000 | (29 000) | - separator made of brass and with locking barrel |
| 9 039 000 K | (29 000 E) | - separator made of steel sheet (Type "E") |




**9 039 000 (29 000)**

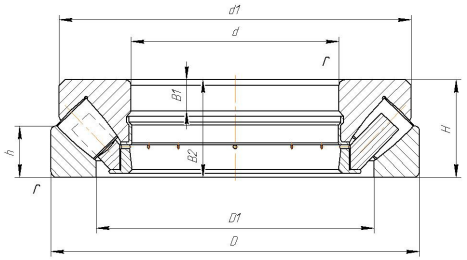



**9 039 000 K (29 000 E)**

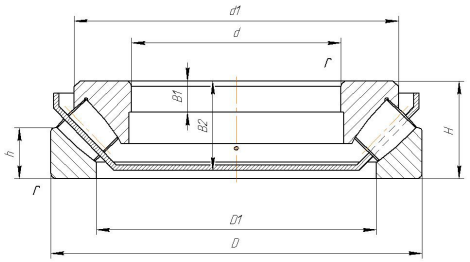
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | d1 No more than | | D1 No more than | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9039240 | 29240 | 200 | 280 | 48 | 270 | | 236 | 9,1 | 650 | 2700 | - | 1400 |
| 9039244 | 29244 | 220 | 300 | 48 | 292 | | 254 | 9,9 | 735 | 3200 | - | 1300 |
| 9039248 | 29248 | 240 | 340 | 60 | 330 | | 283 | 16,8 | 750 | 3450 | - | 1200 |
| 9039252 | 29252 | 260 | 360 | 60 | 350 | | 302 | 16,3 | 780 | 3650 | - | 1200 |
| 9039256 | 29256 | 280 | 380 | 60 | 370 | | 323 | 20 | 815 | 3900 | - | 1100 |
| 9039260 | 29260 | 300 | 420 | 73 | 405 | | 353 | 30,5 | 1000 | 4650 | - | 1000 |
| 9039264 | 29264 | 320 | 440 | 73 | 430 | | 372 | 34,3 | 1020 | 4900 | - | 950 |
| 9039268 | 29268 | 340 | 460 | 73 | 445 | | 395 | 33,5 | 1230 | 5750 | - | 900 |
| 9039272 | 29272 | 360 | 500 | 85 | 485 | | 423 | 51 | 1340 | 6550 | - | 850 |
| 9039276 | 29276 | 380 | 520 | 85 | 505 | | 441 | 54,5 | 1500 | 7500 | - | 800 |
| 9039280 | 29280 | 400 | 540 | 85 | 526 | | 460 | 57,9 | 1500 | 7500 | - | 750 |
| 9039284 | 29284 | 420 | 580 | 95 | 564 | | 490 | 75,4 | 2010 | 9800 | - | 700 |
| 9039288 | 29288 | 440 | 600 | 95 | 585 | | 508 | 77,9 | 2030 | 10100 | - | 700 |
| 9039292 | 29292 | 460 | 620 | 95 | 605 | | 530 | 81 | 2060 | 10300 | - | 670 |
| 9039296 | 29296 | 480 | 650 | 103 | 635 | | 554 | 96,5 | 2370 | 12100 | - | 630 |
| 90392/500 | 292/500 | 500 | 670 | 103 | 654 | | 574 | 105,2 | 2390 | 12400 | 380 | 540 |
| 90392/530 | 292/530 | 530 | 710 | 109 | 675 | | 612 | 108 | 3110 | 15300 | 350 | 500 |
| 90392/560 | 292/560 | 560 | 750 | 115 | 715 | | 642 | 130 | 2990 | 16000 | 360 | 480 |
| 90392/600 | 292/600 | 600 | 800 | 122 | 760 | | 688 | 151 | 3740 | 1860 | - | 450 |
| 90392/630 | 292/630 | 630 | 850 | 132 | 805 | | 724 | 194 | 4770 | 23600 | - | 400 |
| 90392/670 | 292/670 | 670 | 900 | 140 | 855 | | 773 | 224 | 4200 | 22800 | - | 380 |
| 90392/710 | 292/710 | 710 | 950 | 145 | 905 | | 815 | 261 | 9950 | 45500 | - | 280 |
| 90392/750 | 292/750 | 750 | 1000 | 150 | 955 | | 861 | 293 | 6100 | 31000 | - | 340 |
| 90392/800 | 292/800 | 800 | 1060 | 155 | 1010 | | 913 | 341 | 6220 | 36000 | 240 | 340 |
| 90392/850 | 292/850 | 850 | 1120 | 160 | 1065 | | 963 | 389 | 6730 | 36000 | - | 300 |
| 90392/900 | 292/900 | 900 | 1180 | 170 | 1125 | | 1023 | 444 | - | - | - | 280 |
| 90392/950 | 292/950 | 950 | 1250 | 180 | 1190 | | 1079 | 539 | 8430 | 46900 | - | 270 |
| 90392/1000 | 292/1000 | 1000 | 1320 | 190 | 1260 | | 1139 | 640 | - | - | - | 260 |
| | | | | | | | | | | | | |
| 9039317 | 29317 | 85 | 150 | 39 | 143,5 | | 114 | 2,8 | 330 | 1040 | - | 2400 |
| 9039318 | 29318 | 90 | 155 | 39 | 148,5 | | 117 | 3,1 | 350 | 1080 | - | 2200 |
| 9039320 | 29320 | 100 | 170 | 42 | 163 | | 129 | 3,9 | 410 | 1280 | - | 2000 |
| 9039322 | 29322 | 110 | 190 | 48 | 176 | | 143 | 5,3 | 425 | 1430 | - | 1800 |
| 9039324 | 29324 | 120 | 210 | 54 | 194 | | 157,5 | 7,6 | 530 | 1860 | - | 1600 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 9 039 000 | (29 000) | - separator made of brass and with locking barrel |
| 9 039 000 K | (29 000 E) | - separator made of steel sheet (Type "E") |




**9 039 000 (29 000)**

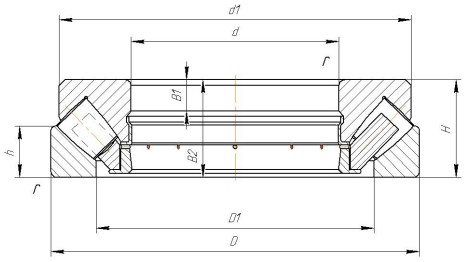



**9 039 000 K (29 000 E)**

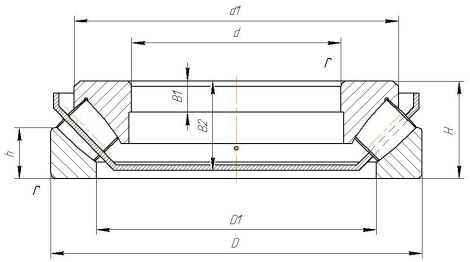
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | d1 No more than | | D1 No more than | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9039326 | 29326 | 130 | 225 | 58 | 205 | | 170 | 9,3 | 600 | 2120 | - | 1500 |
| 9039328 | 29328 | 140 | 240 | 60 | 219 | | 183 | 10,6 | 655 | 2320 | - | 1400 |
| 9039330 | 29330 | 150 | 250 | 60 | 229 | | 193 | 11,1 | 670 | 2450 | - | 1400 |
| 9039332 | 29332 | 160 | 270 | 67 | 248 | | 207 | 14,7 | 780 | 2850 | - | 1300 |
| 9039334 | 29334 | 170 | 280 | 67 | 258 | | 215 | 15,3 | 800 | 2950 | - | 1200 |
| 9039336 | 29336 | 180 | 300 | 73 | 277 | | 231 | 19,5 | 950 | 3550 | - | 1100 |
| 9039338 | 29338 | 190 | 320 | 78 | 308 | | 246 | 25,9 | 1080 | 4050 | - | 1100 |
| 9039340 | 29340 | 200 | 340 | 85 | 325 | | 261 | 33 | 1250 | 4800 | - | 1000 |
| 9039344 | 29344 | 220 | 360 | 85 | 345 | | 280 | 34,3 | 1290 | 5000 | - | 950 |
| 9039348 | 29348 | 240 | 380 | 85 | 365 | | 300 | 37,6 | 1320 | 5200 | - | 950 |
| 9039352 | 29352 | 260 | 420 | 95 | 405 | | 325 | 51,5 | 1700 | 6800 | - | 800 |
| 9039356 | 29356 | 280 | 440 | 95 | 423 | | 345 | 54,5 | 1730 | 7100 | - | 800 |
| 9039360 | 29360 | 300 | 480 | 109 | 460 | | 375 | 75,2 | 2080 | 8500 | - | 710 |
| 9039364 | 29364 | 320 | 500 | 109 | 482 | | 395 | 80 | 2120 | 8800 | - | 670 |
| 9039368 | 29368 | 340 | 540 | 122 | 520 | | 424 | 107 | 2550 | 10600 | - | 630 |
| 9039372 | 29372 | 360 | 560 | 122 | 540 | | 444 | 112,2 | 2600 | 11000 | - | 600 |
| 9039376 | 29376 | 380 | 600 | 132 | 580 | | 477 | 142,2 | 3300 | 14500 | - | 560 |
| 9039380 | 29380 | 400 | 620 | 132 | 596 | | 494 | 149,5 | 3100 | 13400 | - | 530 |
| 9039384 | 29384 | 420 | 650 | 140 | 626 | | 520 | 169,9 | 3300 | 14300 | - | 500 |
| 9039388 | 29388 | 440 | 680 | 145 | 655 | | 546 | 192,8 | 3650 | 16000 | - | 480 |
| 9039392 | 29392 | 460 | 710 | 150 | 685 | | 572 | 220,1 | 4100 | 18400 | - | 450 |
| 9039396 | 29396 | 480 | 730 | 150 | 705 | | 592 | 228 | 4150 | 19000 | - | 450 |
| 90393/500 | 293/500 | 500 | 750 | 150 | 725 | | 611 | 233,2 | 4250 | 20400 | - | 450 |
| 90393/530 | 293/530 | 530 | 800 | 160 | 772 | | 648 | 286 | 4800 | 22400 | - | 420 |
| 90393/560 | 293/560 | 560 | 850 | 175 | 790 | | 690 | 320 | 5700 | 26700 | - | 400 |
| 90393/600 | 293/600 | 600 | 900 | 180 | 840 | | 727 | 368 | 7530 | 34500 | - | 340 |
| 90393/630 | 293/630 | 630 | 950 | 190 | 885 | | 765 | 488 | 8450 | 38000 | - | 320 |
| 90393/670 | 293/670 | 670 | 1000 | 200 | 930 | | 809 | 501 | - | - | - | - |
| 90393/710 | 293/710 | 710 | 1060 | 212 | 990 | | 861 | 591 | 9950 | 45500 | - | 280 |
| 90393/750 | 293/750 | 750 | 1120 | 224 | 1045 | | 909 | 696 | 9370 | 45000 | - | 260 |
| 90393/800 | 293/800 | 800 | 1180 | 230 | 1100 | | 961 | 785 | 9950 | 49000 | - | 240 |
| 90393/850 | 293/850 | 850 | 1250 | 243 | 1165 | | 1021 | 919 | - | - | - | - |
| 90393/900 | 293/900 | 900 | 1320 | 250 | 1235 | | 1068 | 1062 | - | - | - | - |
| 90393/950 | 293/950 | 950 | 1400 | 272 | 1305 | | 1144 | 1287 | - | - | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 9 039 000 | (29 000) | - separator made of brass and with locking barrel |
| 9 039 000 K | (29 000 E) | - separator made of steel sheet (Type "E") |




**9 039 000 (29 000)**

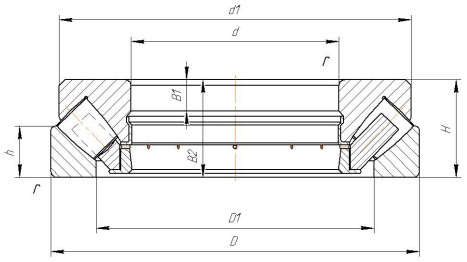



**9 039 000 K (29 000 E)**

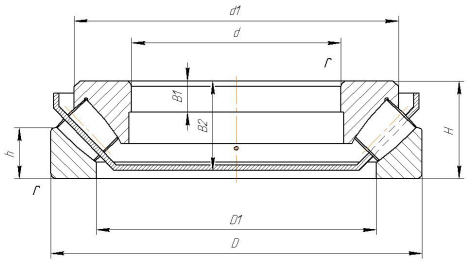
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | d1 No more than | | D1 No more than | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90393/1000 | 293/1000 | 1000 | 1460 | 276 | 1365 | | 1190 | 1415 | - | - | - | - |
| | | | | | | | | | | | | |
| 9039317 K | 29317 E | 85 | 150 | 39 | 143,5 | | 114 | 2,7 | - | - | - | - |
| 9039318 K | 29318 E | 90 | 155 | 39 | 148,5 | | 117 | 2,85 | - | - | - | - |
| 9039320 K | 29320 E | 100 | 170 | 42 | 163 | | 129 | 3,65 | - | - | - | - |
| 9039322 K | 29322 E | 110 | 190 | 48 | 176 | | 143 | 5,1 | 540 | 1730 | - | |
| 9039324 K | 29324 E | 120 | 210 | 54 | 194 | | 157,5 | 7,4 | 640 | 2080 | - | - |
| 9039326 K | 29326 E | 130 | 225 | 58 | 205 | | 170 | 8,7 | 735 | 2400 | - | - |
| 9039328 K | 29328E | 140 | 240 | 60 | 219 | | 183 | 10,3 | 800 | 2750 | - | - |
| 9039330 K | 29330 E | 150 | 250 | 60 | 229 | | 193 | 10,8 | 830 | 2850 | - | - |
| 9039332 K | 29332 E | 160 | 270 | 67 | 248 | | 207 | 14,2 | 965 | 3350 | - | - |
| 9039334 K | 29334 E | 170 | 280 | 67 | 258 | | 215 | 15,3 | 1000 | 3550 | - | - |
| 9039336 K | 29336 E | 180 | 300 | 73 | 277 | | 231 | 19 | 1180 | 4150 | - | - |
| | | | | | | | | | | | | |
| 9039412 | 29412 | 60 | 130 | 42 | 118 | | 88 | 2,5 | 280 | 815 | - | 2600 |
| 9039413 | 29413 | 65 | 140 | 45 | 128 | | 96,5 | 3,3 | 330 | 965 | - | 2400 |
| 9039414 | 29414 | 70 | 150 | 48 | 137 | | 102 | 4 | 360 | 1060 | - | 2400 |
| 9039415 | 29415 | 75 | 160 | 51 | 146 | | 109 | 4,7 | 415 | 1250 | - | 2200 |
| 9039416 | 29416 | 80 | 170 | 54 | 155 | | 116 | 5,7 | 450 | 1370 | - | 2000 |
| 9039417 | 29417 | 85 | 180 | 58 | 164 | | 125 | 6,9 | 510 | 1560 | - | 1900 |
| 9039418 | 29418 | 90 | 190 | 60 | 174 | | 130 | 7,9 | 570 | 1760 | - | 1800 |
| 9039420 | 29420 | 100 | 210 | 67 | 193 | | 144,5 | 11 | 680 | 2160 | - | 1600 |
| 9039422 | 29422 | 110 | 230 | 73 | 212 | | 160 | 14,3 | 800 | 2550 | - | 1500 |
| 9039424 | 29424 | 120 | 250 | 78 | 229 | | 172 | 18 | 900 | 2950 | - | 1400 |
| 9039426 | 29426 | 130 | 270 | 85 | 247 | | 188 | 22,9 | 1060 | 3450 | - | 1200 |
| 9039428 | 29428 | 140 | 280 | 85 | 257 | | 197,5 | 24,1 | 1100 | 3650 | - | 1200 |
| 9039430 | 29430 | 150 | 300 | 90 | 276 | | 211,5 | 29,6 | 1250 | 4250 | - | 1100 |
| 9039432 | 29432 | 160 | 320 | 95 | 306 | | 226 | 36,6 | 1400 | 4800 | - | 1100 |
| 9039434 | 29434 | 170 | 340 | 103 | 324 | | 240 | 44,3 | 1560 | 5400 | - | 1000 |
| 9039436 | 29436 | 180 | 360 | 109 | 342 | | 255 | 52,6 | 1730 | 6100 | - | 900 |
| 9039438 | 29438 | 190 | 380 | 115 | 360 | | 270 | 61,7 | 1900 | 6700 | - | 850 |
| 9039440 | 29440 | 200 | 400 | 122 | 380 | | 284 | 73,4 | 2120 | 7500 | - | 800 |
| 9039444 | 29444 | 220 | 420 | 122 | 400 | | 305 | 77,4 | 2200 | 8000 | - | 800 |
| 9039448 | 29448 | 240 | 440 | 122 | 420 | | 321 | 82,4 | 2240 | 8300 | - | 750 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 9 039 000 | (29 000) | - separator made of brass and with locking barrel |
| 9 039 000 K | (29 000 E) | - separator made of steel sheet (Type "E") |




**9 039 000 (29 000)**

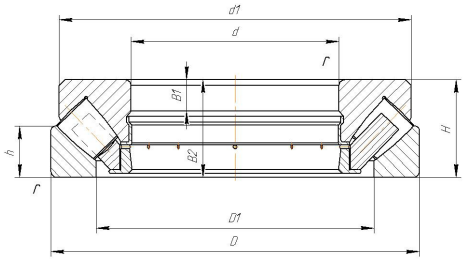



**9 039 000 K (29 000 E)**

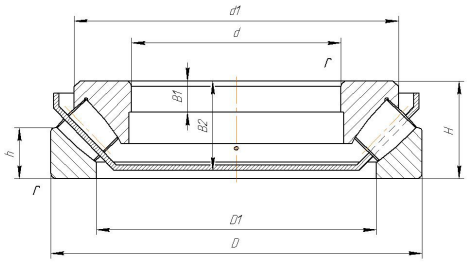
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | d1 No more than | | D1 No more than | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9039452 | 29452 | 260 | 480 | 132 | 460 | | 346 | 107,8 | 2600 | 9800 | - | 710 |
| 9039456 | 29456 | 280 | 520 | 145 | 495 | | 380 | 136,7 | 3100 | 11800 | - | 630 |
| 9039460 | 29460 | 300 | 540 | 145 | 515 | | 398 | 147 | 3300 | 12800 | - | 630 |
| 9039464 | 29464 | 320 | 580 | 155 | 555 | | 420 | 181,7 | 3750 | 14600 | - | 560 |
| 9039468 | 29468 | 340 | 620 | 170 | 590 | | 452 | 231 | 4150 | 16300 | - | 530 |
| 9039472 | 29472 | 360 | 640 | 170 | 610 | | 480 | 241,1 | 4200 | 17200 | - | 500 |
| 9039476 | 29476 | 380 | 670 | 175 | 640 | | 504 | 263 | 4550 | 18300 | - | 480 |
| 9039480 | 29480 | 400 | 710 | 185 | 680 | | 520 | 322 | 5400 | 22100 | - | 450 |
| 9039484 | 29484 | 420 | 730 | 185 | 700 | | 546 | 236 | 5650 | 23500 | - | 450 |
| 9039488 | 29488 | 440 | 780 | 206 | 745 | | 576 | 413 | 6200 | 25000 | - | 400 |
| 9039492 | 29492 | 460 | 800 | 206 | 765 | | 608 | 447,4 | 6750 | 28600 | - | 380 |
| 9039496 | 29496 | 480 | 850 | 224 | 810 | | 632 | 559,2 | 7200 | 31000 | - | 360 |
| 90394/500 | 294/500 | 500 | 870 | 224 | 830 | | 650 | 568,9 | 7850 | 33000 | - | 340 |
| 90394/530 | 294/530 | 530 | 920 | 236 | 880 | | 697 | 660 | 8550 | 37000 | - | 320 |
| 90394/560 | 294/560 | 560 | 980 | 250 | 890 | | 729 | 741 | 9600 | 42000 | - | 300 |
| 90394/600 | 294/600 | 600 | 1030 | 258 | 940 | | 782 | 821 | 9950 | 43500 | - | 280 |
| 90394/630 | 294/630 | 630 | 1090 | 280 | 1040 | | 830 | 1110 | 11600 | 51500 | - | 260 |
| 90394/670 | 294/670 | 670 | 1150 | 290 | 1050 | | 869 | 1147 | 12500 | 56000 | - | 240 |
| 90394/710 | 294/710 | 710 | 1220 | 308 | 1115 | | 916 | 1392 | 14300 | 65500 | - | 220 |
| 90394/750 | 294/750 | 750 | 1280 | 315 | 1220 | | 983 | 1700 | 15100 | 69000 | - | 200 |
| 90394/800 | 294/800 | 800 | 1360 | 335 | 1308 | | 1030 | 2008,7 | 16600 | 77500 | - | 190 |
| 90394/850 | 294/850 | 850 | 1440 | 354 | 1315 | | 1099 | 2172 | - | - | - | 170 |
| 90394/900 | 294/900 | 900 | 1520 | 372 | 1460 | | 1168 | 2700 | 19900 | 96000 | - | 160 |
| | | | | | | | | | | | | |
| 9039412 K | 29412 E | 60 | 130 | 42 | 118 | | 88 | 2,5 | 280 | 815 | - | 2600 |
| 9039413 K | 29413 E | 65 | 140 | 45 | 128 | | 96,5 | 3,3 | 330 | 965 | - | 2400 |
| 9039414 K | 29414 E | 70 | 150 | 48 | 137 | | 102 | 4 | 360 | 1060 | - | 2400 |
| 9039415 K | 29415 E | 75 | 160 | 51 | 146 | | 109 | 4,7 | 415 | 1250 | - | 2200 |
| 9039416 K | 29416 E | 80 | 170 | 54 | 155 | | 116 | 5,7 | 450 | 1370 | - | 2000 |
| 9039417 K | 29417 E | 85 | 180 | 58 | 164 | | 125 | 6,9 | 510 | 1560 | - | 1900 |
| 9039418 K | 29418 E | 90 | 190 | 60 | 174 | | 130 | 7,9 | 570 | 1760 | - | 1800 |
| 9039420 K | 29420 E | 100 | 210 | 67 | 193 | | 144,5 | 11 | 680 | 2160 | - | 1600 |
| 9039422 K | 29422 E | 110 | 230 | 73 | 212 | | 160 | 14,3 | 800 | 2550 | - | 1500 |
| 9039424 K | 29424 E | 120 | 250 | 78 | 229 | | 172 | 18 | 900 | 2950 | - | 1400 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 9 039 000 | (29 000) | - separator made of brass and with locking barrel |
| 9 039 000 K | (29 000 E) | - separator made of steel sheet (Type "E") |




**9 039 000 (29 000)**

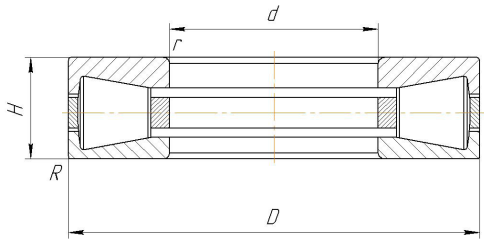


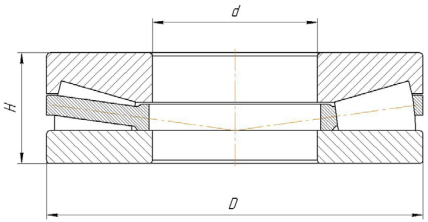

**9 039 000 K (29 000 E)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | d1 No more than | | D1 No more than | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9039426 K | 29426 E | 130 | 270 | 85 | 247 | | 188 | 22,9 | 1060 | 3450 | - | 1200 |
| 9039428 K | 29428 E | 140 | 280 | 85 | 257 | | 197,5 | 24,1 | 1100 | 3650 | - | 1200 |
| 9039430 K | 29430 E | 150 | 300 | 90 | 276 | | 211,5 | 29,6 | 1250 | 4250 | - | 1100 |

DESIGN OPTIONS:

| | |
|---|---|
| 19…; 49… | - single |



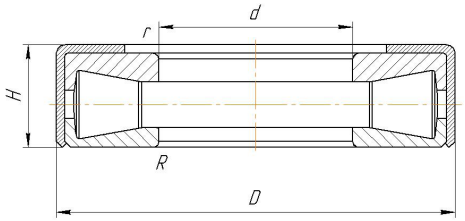



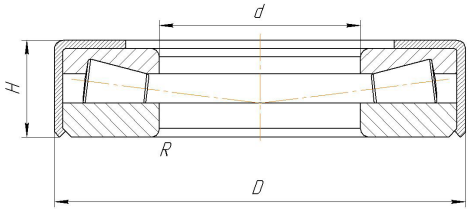

**19…** **49742**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 9019424 | - | 120 | 250 | 78 | | 20 | 760 | 1510 | 200 | 260 |
| 9019426 | - | 130 | 270 | 85 | | - | - | - | - | - |
| 9019428 | - | 140 | 280 | 85 | | - | - | - | - | - |
| 9019430 | - | 150 | 300 | 90 | | - | - | - | - | - |
| 9019432 | - | 160 | 320 | 95 | | - | - | - | - | - |
| 9019434 | - | 170 | 360 | 103 | | - | - | - | - | - |
| 9019436 | - | 180 | 360 | 109 | | 55 | 1570 | 3100 | 160 | 200 |
| 9019438 | - | 190 | 360 | 115 | | - | - | - | - | - |
| 9019440 | - | 200 | 400 | 122 | | - | - | - | - | - |
| 9019444 | - | 220 | 420 | 122 | | - | - | - | - | - |
| 9019448 | - | 240 | 440 | 122 | | - | - | - | - | - |
| 9019452 | | 260 | 480 | 132 | | 110 | 3772 | 7111 | 125 | 160 |
| 9019456 | - | 280 | 520 | 145 | | - | - | - | - | - |
| 9019460 | - | 300 | 540 | 145 | | - | - | - | - | - |
| 9019464 | - | 320 | 580 | 155 | | 190 | 3596 | 16914 | 100 | 130 |
| 9019468 | | 320 | 580 | 155 | | 191 | 4302 | 7701 | | |
| 9019472 | - | 360 | 640 | 170 | | - | - | - | - | - |
| 9019476 | | 380 | 670 | 175 | | 285 | 5397 | 10175 | 80 | 110 |
| | | | | | | | | | | |
| 19742 | - | 210 | 460 | 122 | | 112 | - | - | - | - |
| 19744 | 351148 | 220 | 500 | 125 | | 133,5 | 3700 | 8092 | 120 | 160 |
| 19752 | - | 260 | 580 | 145 | | 217,9 | 4938 | 11050 | - | - |
| 19760 | - | 300 | 670 | 170 | | 342 | 6522 | 15074 | 110 | 270 |
| | | | | | | | | | | |
| 49742 | - | 210 | 460 | 150 | | 139,7 | 3107 | 11290 | - | - |

DESIGN OPTIONS:

| | |
|---|---|
| 299 … | - single in housing |



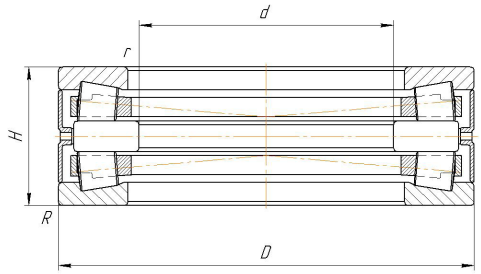




**29903, 29908** **29910**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 29903 | - | 16 | 41,3 | 12,7 | | 0,0868 | 30 | 60 | 2400 | - |
| 29905 | - | 25,552 | 50,76 | 15,875 | | 0,113 | 45 | 36,7 | 1200 | - |
| 29908 | - | 38,4 | 72,9 | 21,34 | | 0,393 | 73 | 38 | 1200 | - |
| 29910 | - | 50 | 78,6 | 17,6 | | 0,333 | 91,2 | 157 | 1160 | - |
| 29910К4 | - | 50 | 78 | 22 | | 0,343 | 104,7 | 371 | 960 | - |
| 229910 | - | 50,2 | 81 | 15,9 | | 0,337 | 105 | 371 | 840 | - |

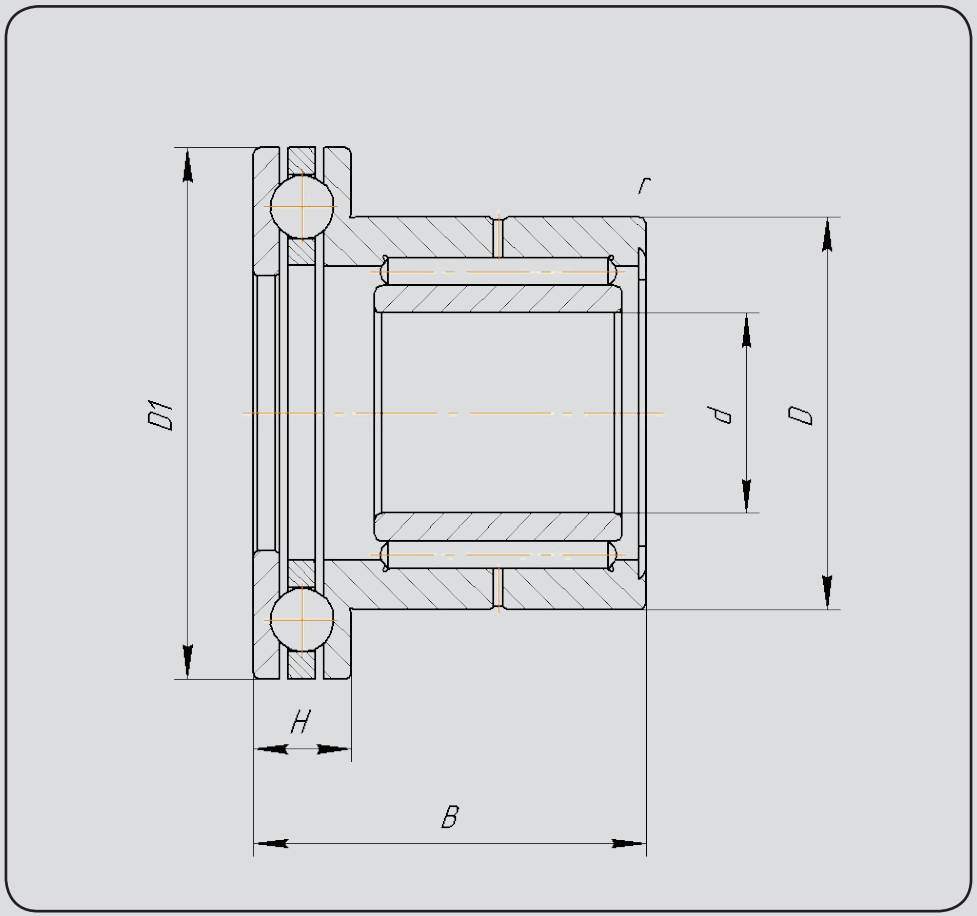
DESIGN OPTIONS

| | |
|---|---|
| 189 … | - double |




**189 …**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 189757 | - | 285 | 420 | 110 | | 55 | 985 | 5170 | - | - |
| 189772 | - | 360 | 520 | 136 | | 98 | 1397 | 7450 | - | - |
| 189892 | - | 460 | 660 | 172 | | 199 | 2253 | 12590 | - | - |
| | | | | | | | | | | |
| 749794 | - | 470 | 720 | 210 | | 311 | 3414 | 17635 | - | - |




# COMBINED BEARINGS

I. BALL ROLLER BEARINGS RADIAL THRUST COMBINED ..... 664

II. ROLLER NEEDLE RADIAL THRUST BEARINGS COMBINED

- WITHOUT INNER RACE ..... 666

- WITH INNER RACE ..... 668

III. RADIAL THRUST DOUBLE BEARINGS ROLLER COMBINED

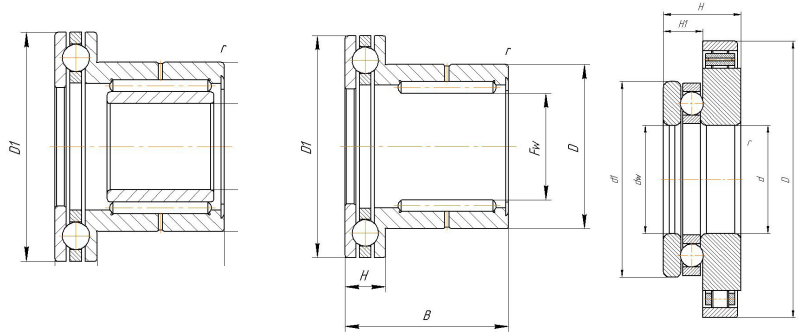
- ROLLER AND NEEDLE ..... 670

- ROLLER NEEDLE WITH THE WIDE HARD RING ..... 674

IV. DOUBLE BEARINGS COMBINED WITH THE ROLLER INSTEAD OF INNER RACE (for water pumps of cars) ..... 678

DESIGN OPTIONS:

| | | |
|---|---|---|
| 484 000 | NKXR…+IR | -ball needle roller with inner race |
| 564 000 | (NKX ..) | - ball needle roller without inner ring |
| 608 000 | | - ball roller |

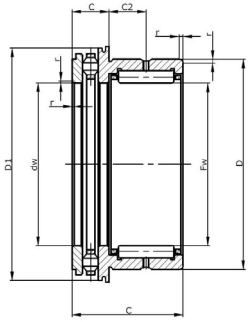



**484 000 (NKXR…+IR)** **564 000 (NKX ..)** **608 000**

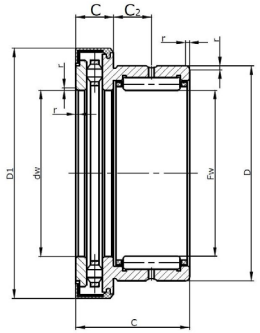
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 484804 | NKXR25+IR | 20 | 37 | 40 | | 0,146 | 16,4/27,5 | 16,4/31,5 | 3600 | 6000 |
| 564803 | NKX20 | 20 | 30 | 30 | | 0,09 | 16,4/23,8 | 14,3/21,4 | 4500 | 7500 |
| 564805 | NKX30 | 30 | 42 | 30 | | 0,162 | 22,6/36,0 | 20,4/36,5 | 3000 | 5000 |
| 564808 | NKX45 | 35 | 58 | 32 | | 0,36 | 23,9/45,5 | 27,5/63,0 | 2160 | 3600 |
| | | | | | | | | | | |
| 608820 | - | 100 | 160/140 | 27,8 | | 1,72 | - | - | 1000 | 1300 |
| 608832 | - | 160 | 250/220 | 42,5 | | 6,1 | - | - | 800 | 1000 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 584 00 | (NKZR ..) | - without inner race |
| 584 00K | | - without inner race in housing |




**584 00 (NKZR ..)**

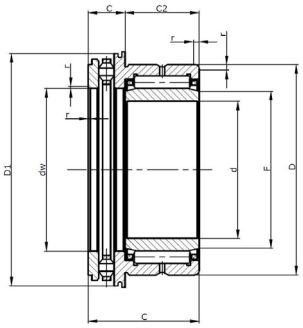



**584 00K**

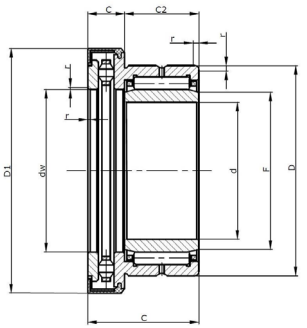
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5848/7 | - | 10 | 19 | 23 | | 0,019 | 5400/7110 | 4400/7550 | - | - |
| 5848/9 | - | 12 | 21 | 23 | | 0,023 | 5600/11200 | 4700/12700 | - | - |
| 584801 | - | 15 | 24 | 23 | | 0,032 | 9300/12500 | 7200/12800 | - | - |
| 584802 | - | 17 | 26 | 25 | | 0,05 | 10400/13100 | 8500/13800 | - | - |
| 584803 | - | 20 | 30 | 30 | | 0,09 | 14300/20400 | 13100/21700 | - | - |
| 584804 | - | 25 | 37 | 30 | | 0,146 | 16400/27500 | 16400/31500 | - | - |
| 584805 | - | 30 | 42 | 30 | | 0,162 | 19600/28000 | 19300/34000 | - | - |
| 584806 | - | 35 | 47 | 30 | | 0,186 | 21200/31500 | 22100/40500 | - | - |
| 584807 | - | 40 | 52 | 32 | | 0,288 | 22600/43000 | 24800/56000 | - | - |
| 584808 | - | 45 | 58 | 32 | | 0,36 | 23900/45500 | 27500/63000 | - | - |
| 584809 | - | 50 | 62 | 35 | | 0,432 | 33000/48500 | 39000/69000 | - | - |
| 584810 | - | 60 | 72 | 40 | | 0,55 | 36500/63300 | 47000/113000 | - | - |
| 584812 | - | 70 | 85 | 40 | | 0,66 | 38500/68000 | 47500/130000 | - | - |
| | | | | | | | | | | |
| 5848/7K | - | 10 | 19 | 23 | | 0,021 | 5400/7110 | 4400/7550 | - | - |
| 5848/9K | - | 12 | 21 | 23 | | 0,026 | 5600/11200 | 4700/12700 | - | - |
| 584801K | - | 15 | 24 | 23 | | 0,035 | 9300/12500 | 7200/12800 | - | - |
| 584802K | - | 17 | 26 | 25 | | 0,053 | 10400/13100 | 8500/13800 | - | - |
| 584803K | - | 20 | 30 | 30 | | 0,095 | 14300/20400 | 13100/21700 | - | - |
| 584804K | - | 25 | 37 | 30 | | 0,152 | 16400/27500 | 16400/31500 | - | - |
| 584805K | - | 30 | 42 | 30 | | 0,169 | 19600/28000 | 19300/34000 | - | - |
| 584806K | - | 35 | 47 | 30 | | 0,194 | 21200/31500 | 22100/40500 | - | - |
| 584807K | - | 40 | 52 | 32 | | 0,299 | 22600/43000 | 24800/56000 | - | - |
| 584808K | - | 45 | 58 | 32 | | 0,378 | 23900/45500 | 27500/63000 | - | - |
| 584809K | - | 50 | 62 | 35 | | 0,452 | 33000/48500 | 39000/69000 | - | - |
| 584810K | - | 60 | 72 | 40 | | 0,58 | 36500/63300 | 47000/113000 | - | - |
| 584812K | - | 70 | 85 | 40 | | 0,695 | 38500/68000 | 47500/130000 | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 594 000 | (NKXR…+IR) | - with inner race |
| 594 000K | | - with inner race in housing |




**594 000 (NKXR…+IR)**

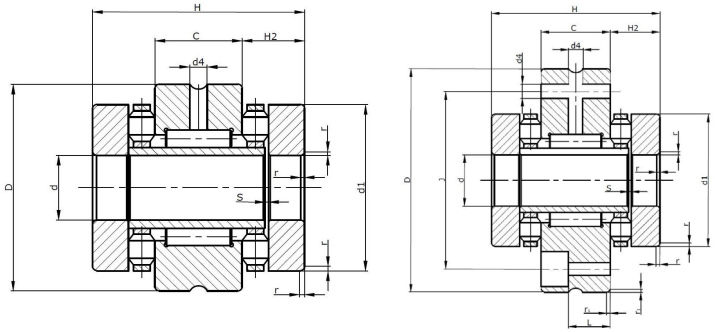



**594 000K**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5948/7 | - | 7 | 19 | 23 | | 0,024 | 5400/7110 | 4400/7550 | - | - |
| 5948/9 | - | 9 | 21 | 23 | | 0,029 | 5600/11200 | 4700/12700 | - | - |
| 594801 | - | 12 | 24 | 23 | | 0,039 | 9300/12500 | 7200/12800 | - | - |
| 594802 | - | 15 | 26 | 25 | | 0,059 | 10400/13100 | 8500/13800 | - | - |
| 594803 | - | 17 | 30 | 30 | | 0,105 | 14300/20400 | 13100/21700 | - | - |
| 594804 | - | 20 | 37 | 30 | | 0,172 | 16400/27500 | 16400/31500 | - | - |
| 594805 | - | 25 | 42 | 30 | | 0,195 | 19600/28000 | 19300/34000 | - | - |
| 594806 | - | 30 | 47 | 30 | | 0,225 | 21200/31500 | 22100/40500 | - | - |
| 594807 | - | 35 | 52 | 32 | | 0,333 | 22600/43000 | 24800/56000 | - | - |
| 594808 | - | 40 | 58 | 32 | | 0,41 | 23900/45500 | 27500/63000 | - | - |
| 594809 | - | 45 | 62 | 35 | | 0,502 | 33000/48500 | 39000/69000 | - | - |
| 594810 | - | 50 | 72 | 40 | | 0,63 | 36500/63300 | 47000/113000 | - | - |
| 594812 | - | 60 | 85 | 40 | | 0,75 | 38500/68000 | 47500/130000 | - | - |
| | | | | | | | | | | |
| 5948/7K | - | 7 | 19 | 23 | | 0,026 | 5400/7110 | 4400/7550 | - | - |
| 5948/9K | - | 9 | 21 | 23 | | 0,031 | 5600/11200 | 4700/12700 | - | - |
| 594801K | - | 12 | 24 | 23 | | 0,042 | 9300/12500 | 7200/12800 | - | - |
| 594802K | - | 15 | 26 | 25 | | 0,062 | 10400/13100 | 8500/13800 | - | - |
| 594803K | - | 17 | 30 | 30 | | 0,11 | 14300/20400 | 13100/21700 | - | - |
| 594804K | - | 20 | 37 | 30 | | 0,178 | 16400/27500 | 16400/31500 | - | - |
| 594805K | - | 25 | 42 | 30 | | 0,202 | 19600/28000 | 19300/34000 | - | - |
| 594806K | - | 30 | 47 | 30 | | 0,234 | 21200/31500 | 22100/40500 | - | - |
| 594807K | - | 35 | 52 | 32 | | 0,344 | 22600/43000 | 24800/56000 | - | - |
| 594808K | - | 40 | 58 | 32 | | 0,428 | 23900/45500 | 27500/63000 | - | - |
| 594809K | - | 45 | 62 | 35 | | 0,522 | 33000/48500 | 39000/69000 | - | - |
| 594810K | - | 50 | 72 | 40 | | 0,655 | 36500/63300 | 47000/113000 | - | - |
| 594812K | - | 60 | 85 | 40 | | 0,78 | 38500/68000 | 47500/130000 | - | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| РИК… | (ZARN….) | - roller needle (ZARN) |
| РИКБ… | | - needle roller with flanged outer ring |

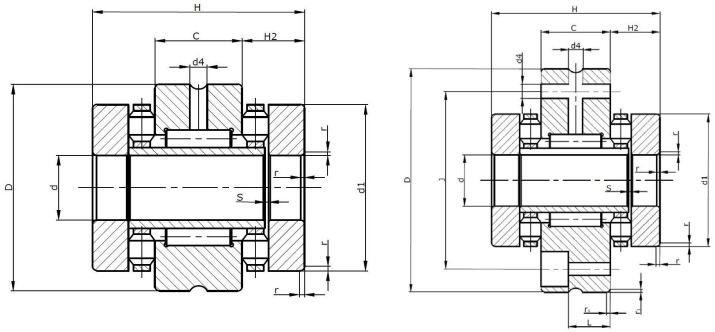



**РИК… (ZARN….)** **РИКБ…**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| РИК 1545 | - | 15 | 45 | 53 | | 0,38 | 29,4/13 | 53/17,5 | 5076 | 8460 |
| РИК 2052 | ZARN2052 | 20 | 52 | 46 | | 0,46 | 33,5/14,9 | 14,9/22,4 | 4212 | 7020 |
| РИК 2062 | ZARN2062 | 20 | 62 | 60 | | 0,96 | 64,0/22,6 | 141,0/36,0 | 3600 | 6000 |
| РИК 2557 | ZARN2557 | 25 | 57 | 50 | | 0,53 | 35,5/14,9 | 22,6/36,0 | 3600 | 6000 |
| РИК 2572 | ZARN2572 | 25 | 72 | 60 | | 1,29 | 80,0/24,3 | 199,0/41,5 | 2952 | 4920 |
| РИК 3062 | ZARN3062 | 30 | 62 | 50 | | 0,66 | 80,0/199,0 | 24,3/41,5 | 3276 | 5460 |
| РИК 3080 | ZARN3080 | 30 | 80 | 66 | | 1,65 | 39,0/101,0 | 26,0/47,0 | 2664 | 4440 |
| РИК 3570 | ZARN3570 | 35 | 70 | 54 | | 0,81 | 107,0/265,0 | 26,0/47,0 | 2880 | 4800 |
| РИК 3585 | ZARN3585 | 35 | 85 | 66 | | 1,82 | 56,0/148,0 | 27,5/53,0 | 2412 | 4020 |
| РИК 4075 | ZARN4075 | 40 | 75 | 54 | | 0,98 | 110,0/285,0 | 27,5/53 | 2628 | 4380 |
| РИК 4090 | ZARN4090 | 40 | 90 | 75 | | 2,3 | 117/38 | 315/74 | 2304 | 3840 |
| РИК 45105 | ZARN45105 | 45 | 105 | 82 | | 3,3 | 61,0/177,0 | 40,0/82,0 | 1980 | 3300 |
| РИК 4580 | ZARN4580 | 45 | 80 | 60 | | 1,23 | 59,0/163,0 | 38,0/74,0 | 2412 | 4020 |
| РИК 50110 | ZARN50110 | 50 | 110 | 82 | | 3,63 | 90,0/300,0 | 42,0/90,0 | 1872 | 3120 |
| РИК 5090 | ZARN5090 | 50 | 90 | 60 | | 1,55 | 154,0/405,0 | 40,0/82,0 | 2160 | 3600 |
| РИК 55115 | ZARN55115 | 55 | 115 | 82 | | 3,8 | 172,0/480,0 | 44,0/92,0 | 1764 | 2940 |
| РИК 60120 | ZARN60120 | 60 | 120 | 82 | | 4,1 | 177,0/500,0 | 44,5/98,0 | 1644 | 2740 |
| РИК 65125 | ZARN65125 | 65 | 125 | 82 | | 4,4 | 187,0/553,0 | 54,0/104,0 | 1584 | 2640 |
| РИК 70130 | ZARN70130 | 70 | 130 | 82 | | 4,5 | 201,0/630,0 | 56,0/119,0 | 1440 | 2400 |
| РИК 75155 | - | 75 | 155 | 125 | | 8,7 | 290,0/72,0 | 890,0/132,0 | 1260 | 2100 |
| РИК 90180 | - | 90 | 180 | 135 | | 13 | 300,0/98,0 | 940,0/210,0 | 1080 | 1800 |
| РИК 110210 | - | 110 | 210 | 160 | | 20,4 | 351,0/110,75 | 1137/226,8 | 900 | 1500 |
| РИК 130240 | - | 130 | 240 | 185 | | 25,4 | 410,7/125 | 1376/245 | 792 | 1320 |
| РИК 150270 | - | 150 | 270 | 200 | | 38 | 480/1413 | 1665/264,5 | 684 | 1140 |
| | | | | | | | | | | |
| РИКБ 1560 | - | 15 | 60 | 40 | | 0,47 | 24,9/13,0 | 53,0/17,5 | 5076 | 8460 |
| РИКБ 2068 | - | 20 | 68 | 46 | | 0,62 | 33,5/14,9 | 76/22,4 | 4212 | 7020 |
| РИКБ 2080 | - | 20 | 80 | 60 | | 1,23 | 64/22,6 | 141/36 | 3600 | 6000 |
| РИКБ 2575 | - | 25 | 75 | 50 | | 0,87 | 35,5/22,6 | 86/36 | 3600 | 6000 |
| РИКБ 2590 | - | 25 | 90 | 60 | | 1,79 | 80/24,3 | 199/41,5 | 2952 | 4920 |
| РИКБ 30105 | - | 30 | 105 | 66 | | 2,01 | 107/26 | 265/47 | 2664 | 4440 |
| РИКБ 3080 | - | 30 | 80 | 50 | | 0,95 | 39/24,3 | 101/41,5 | 3276 | 5460 |
| РИКБ 35110 | - | 35 | 110 | 66 | | 2,18 | 110/27,5 | 285/53 | 2412 | 4020 |
| РИКБ 3590 | - | 35 | 90 | 54 | | 1,25 | 56/26 | 148/47 | 2880 | 4800 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| РИК… | (ZARN….) | - roller needle (ZARN) |
| РИКБ… | | - needle roller with flanged outer ring |

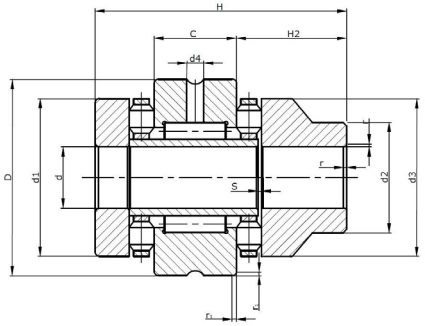



**РИК… (ZARN….)** **РИКБ…**

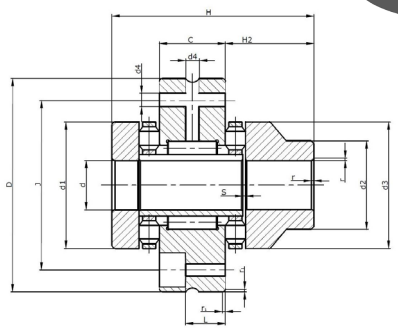
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| РИКБ 40100 | - | 40 | 100 | 54 | | 1,51 | 59/27,5 | 163/53 | 2628 | 4380 |
| РИКБ 40115 | - | 40 | 115 | 75 | | 3,02 | 117/38 | 315/74 | 2304 | 3840 |
| РИКБ 45105 | - | 45 | 105 | 60 | | 1,9 | 61/38 | 177/74 | 2412 | 4020 |
| РИКБ 45130 | - | 45 | 130 | 82 | | 4,36 | 154/40 | 405/82 | 1980 | 3300 |
| РИКБ 50115 | - | 50 | 115 | 60 | | 2,35 | 90/40 | 300/82 | 2160 | 3600 |
| РИКБ 50140 | - | 50 | 140 | 82 | | 4,7 | 172/42 | 480/90 | 1872 | 3120 |
| РИКБ 55145 | - | 55 | 145 | 82 | | 5,04 | 177/44 | 500/92 | 1764 | 2940 |
| РИКБ 60150 | - | 60 | 150 | 82 | | 5,26 | 187/44,5 | 550/98 | 1644 | 2740 |
| РИКБ 65155 | - | 65 | 155 | 82 | | 5,71 | 159/54 | 455/104 | 1584 | 2640 |
| РИКБ 70160 | - | 70 | 160 | 82 | | 5,82 | 201/56 | 630/119 | 1440 | 2400 |
| РИКБ 75185 | - | 75 | 785 | 100 | | 10,53 | 290/72 | 890/132 | 1260 | 2100 |
| РИКБ 90210 | - | 90 | 210 | 110 | | 15,34 | 300/98 | 940/210 | 1080 | 1800 |
| РИКБ 110260 | - | 110 | 260 | 130 | | 26,6 | 351/110,75 | 1137/226,8 | 900 | 1500 |
| РИКБ 130300 | - | 130 | 300 | 150 | | 31,8 | 410,7/125 | 1376/245 | 792 | 1320 |
| РИКБ 150340 | - | 150 | 340 | 160 | | 47,6 | 480/141,3 | 1665/264/5 | 684 | 1140 |

DESIGN OPTIONS:

| | |
|---|---|
| РИК…К | - needle roller with a wide tight ring |
| РИКБ…К | - roller needle with flange outer ring and with wide tight ring |




**РИК…К**



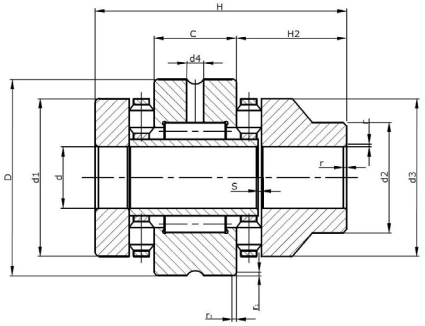

**РИКБ…К**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| РИК 1545 К | - | 15 | 45 | 53 | | 0,41 | 29,4/13 | 53/17,5 | 5076 | 8460 |
| РИК 2052 К | - | 20 | 52 | 60 | | 0,51 | 33,5/14,9 | 14,9/22,4 | 4212 | 7020 |
| РИК 2062 К | - | 20 | 62 | 75 | | 1,1 | 64,0/22,6 | 141,0/36,0 | 3600 | 6000 |
| РИК 2557 К | - | 25 | 57 | 65 | | 0,66 | 35,5/14,9 | 22,6/36,0 | 3600 | 6000 |
| РИК 2572 К | - | 25 | 72 | 75 | | 1,47 | 80,0/24,3 | 199,0/41,5 | 2952 | 4920 |
| РИК 3062 К | - | 30 | 62 | 65 | | 0,84 | 80,0/199,0 | 24,3/41,5 | 3276 | 5460 |
| РИК 3080 К | - | 30 | 80 | 82 | | 1,9 | 39,0/101,0 | 26,0/47,0 | 2664 | 4440 |
| РИК 3570 К | - | 35 | 70 | 70 | | 1,04 | 107,0/265,0 | 26,0/47,0 | 2880 | 4800 |
| РИК 3585 К | - | 35 | 85 | 82 | | 1,84 | 56,0/148,0 | 27,5/53,0 | 2412 | 4020 |
| РИК 4075 К | - | 40 | 75 | 70 | | 1,12 | 110,0/285,0 | 27,5/53 | 2628 | 4380 |
| РИК 4090 К | - | 40 | 90 | 93 | | 2,67 | 117/38 | 315/74 | 2304 | 3840 |
| РИК 45105 К | - | 45 | 105 | 103 | | 3,83 | 61,0/177,0 | 40,0/82,0 | 1980 | 3300 |
| РИК 4580 К | - | 45 | 80 | 75 | | 1,42 | 59,0/163,0 | 38,0/74,0 | 2412 | 4020 |
| РИК 50110 К | - | 50 | 110 | 103 | | 4,2 | 90,0/300,0 | 42,0/90,0 | 1872 | 3120 |
| РИК 5090 К | - | 50 | 90 | 78 | | 1,99 | 154,0/405,0 | 40,0/82,0 | 2160 | 3600 |
| РИК 55115 К | - | 55 | 115 | 103 | | 4,48 | 172,0/480,0 | 44,0/92,0 | 1764 | 2940 |
| РИК 60120 К | - | 60 | 120 | 103 | | 5,43 | 177,0/500,0 | 44,5/98,0 | 1644 | 2740 |
| РИК 65125 К | - | 65 | 125 | 103 | | 5,15 | 187,0/553,0 | 54,0/104,0 | 1584 | 2640 |
| РИК 70130 К | - | 70 | 130 | 103 | | 5,43 | 201,0/630,0 | 56,0/119,0 | 1440 | 2400 |
| РИК 75155 К | - | 75 | 155 | 125 | | 10,19 | 290,0/72,0 | 890,0/132,0 | 1260 | 2100 |
| РИК 90180 К | - | 90 | 180 | 135 | | 14,78 | 300,0/98,0 | 940,0/210,0 | 1080 | 1800 |
| РИК 110210 К | - | 110 | 210 | 160 | | 23,8 | 351,0/110,75 | 1137/226,8 | 900 | 1500 |
| РИК 130240 К | - | 130 | 240 | 185 | | 28,4 | 410,7/125 | 1376/245 | 792 | 1320 |
| РИК 150270 К | - | 150 | 270 | 200 | | 42,6 | 480/1413 | 1665/264,5 | 684 | 1140 |
| | | | | | | | | | | |
| РИКБ 1560 К | - | 15 | 60 | 53 | | 0,5 | 24,9/13,0 | 53,0/17,5 | 5076 | 8460 |
| РИКБ 2068 К | - | 20 | 68 | 60 | | 0,68 | 33,5/14,9 | 76/22,4 | 4212 | 7020 |
| РИКБ 2080 К | - | 20 | 80 | 75 | | 1,36 | 64/22,6 | 141/36 | 3600 | 6000 |
| РИКБ 2575 К | - | 25 | 75 | 65 | | 0,94 | 35,5/22,6 | 86/36 | 3600 | 6000 |
| РИКБ 2590 К | - | 25 | 90 | 75 | | 1,96 | 80/24,3 | 199/41,5 | 2952 | 4920 |
| РИКБ 30105 К | - | 30 | 105 | 82 | | 2,07 | 107/26 | 265/47 | 2664 | 4440 |
| РИКБ 3080 К | - | 30 | 80 | 65 | | 1 | 39/24,3 | 101/41,5 | 3276 | 5460 |
| РИКБ 35110 К | - | 35 | 110 | 82 | | 2,4 | 110/27,5 | 285/53 | 2412 | 4020 |
| РИКБ 3590 К | - | 35 | 90 | 70 | | 1,4 | 56/26 | 148/47 | 2880 | 4800 |

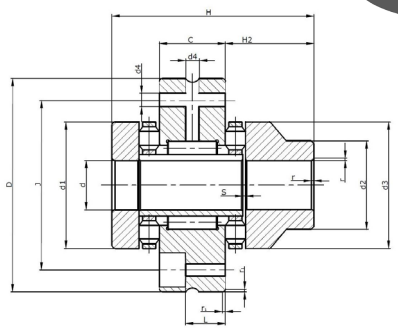
## III. RADIAL THRUST DOUBLE BEARINGS ROLLER COMBINED

DESIGN OPTIONS:

| | |
|---|---|
| РИК…К | - needle roller with a wide tight ring |
| РИКБ…К | - roller needle with flange outer ring and with wide tight ring |




**РИК…К**




**РИКБ…К**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| РИКБ 40100 К | - | 40 | 100 | 70 | | 1,62 | 59/27,5 | 163/53 | 2628 | 4380 |
| РИКБ 40115 К | - | 40 | 115 | 93 | | 3,36 | 117/38 | 315/74 | 2304 | 3840 |
| РИКБ 45105 К | - | 45 | 105 | 75 | | 2,07 | 61/38 | 177/74 | 2412 | 4020 |
| РИКБ 45130 К | - | 45 | 130 | 103 | | 4,82 | 154/40 | 405/82 | 1980 | 3300 |
| РИКБ 50115 К | - | 50 | 115 | 78 | | 2,74 | 90/40 | 300/82 | 2160 | 3600 |
| РИКБ 50140 К | - | 50 | 140 | 103 | | 5,2 | 172/42 | 480/90 | 1872 | 3120 |
| РИКБ 55145 К | - | 55 | 145 | 103 | | 5,6 | 177/44 | 500/92 | 1764 | 2940 |
| РИКБ 60150 К | - | 60 | 150 | 103 | | 5,99 | 187/44,5 | 550/98 | 1644 | 2740 |
| РИКБ 65155 К | - | 65 | 155 | 103 | | 6,38 | 159/54 | 455/104 | 1584 | 2640 |
| РИКБ 70160 К | - | 70 | 160 | 103 | | 6,66 | 201/56 | 630/119 | 1440 | 2400 |
| РИКБ 75185 К | - | 75 | 785 | 125 | | 11,87 | 290/72 | 890/132 | 1260 | 2100 |
| РИКБ 90210 К | - | 90 | 210 | 135 | | 16,91 | 300/98 | 940/210 | 1080 | 1800 |
| РИКБ 110260 К | - | 110 | 260 | 160 | | 29,7 | 351/110,75 | 1137/226,8 | 900 | 1500 |
| РИКБ 130300 К | - | 130 | 300 | 185 | | 35,8 | 410,7/125 | 1376/245 | 792 | 1320 |
| РИКБ 150340 К | - | 150 | 340 | 200 | | 53,3 | 480/141,3 | 1665/264/5 | 684 | 1140 |

# IV. DOUBLE BEARINGS COMBINED WITH THE ROLLER INSTEAD OF INNER RACE (for water pumps of cars)

DESIGN OPTIONS::

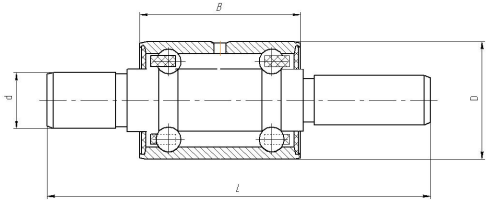
| | | |
|---|---|---|
| .H ….. | (.WB…..) | - Ball and ball |
| .HP ….. | (.WR…..) | - Ball and roller |

BEARINGS FOR WATER PUMPS OF CARS (DDD ARRI,00802)

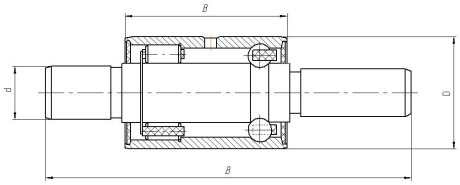
Design variety:

H With groove on the long end of the roller without bore for lubricant
1H With groove on the long end of the roller

HP With gear lubricant deflector on the long end of the roller
1HP With groove on the long end of the roller
2HP With step and groove on the long end of the roller
3HP With step on the long end of the roller and groove on both ends of the roller




**.H ….. (.WB…..)**




**.HP ….. (.WR…..)**

| GOST designation | ISO designation | Shaft diameter (d, мм) | Outer diameter (D, мм) | Shaft length (B, мм) | | Length case (H,мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| H16105 | WB1630105 | 16 | 30 | 105 | | 39,0 | 0,202 | 6,6 | 2,7 | 12000 |
| 3HP15088K | - | 15,007 | 30 | 87,5 | | 39,0 | 0,192 | 6,7/14 | 2,7/13,5 | 10000 |
| H16092 | WB1630092 | 16 | 30 | 92 | | 39,0 | 0,23 | 6 | 2,6 | 12000 |
| 4HP15088 | - | 15,007 | 30 | 87,5 | | 38,9 | 0,25 | 6,7/14,1 | 2,8/11,8 | 10000 |
| 1HP16092 | - | 16 | 30 | 92 | | 39,0 | 0,23 | 6/8,3 | 2,6/67 | 10000 |
| 1H16115 | WB1630115 | 16 | 30 | 115 | | 39,0 | 0,254 | 6 | 2,6 | 12000 |
| HP16115 | WR1630115 | 16 | 30 | 115 | | 39,0 | 0,286 | 6/8,3 | 2,6/6,7 | 10000 |
| 1HP16115K | - | 16 | 30 | 115 | | 39,0 | 0,28 | 7,8/14,2 | 2,7/13,6 | 10000 |
| 3HP17118 | - | 17/16 | 38 | 118 | | 55,0 | 0,44 | 9,7/25,6 | 4,2/24 | 8500 |
| 2HP25155 | - | 25/16 | 55 | 155 | | 70,0 | - | 19,8/31,4 | 8,6/25,1 | 8500 |
| 1HP16092E | WR1630092 | 16 | 30 | 92 | | 39,0 | 0,22 | 5,15/10,4 | 3,02/7,18 | 10000 |
| 1HP16092EK | - | 16 | 30 | 92 | | 39,0 | 0,23 | 5,15/10,4 | 3,02/7,18 | 10000 |
| 1HP16115E | - | 16 | 30 | 115 | | 39,0 | 0,286 | 5,15/10,4 | 3,02/7,18 | 10000 |
| 1HP16115EK | - | 16 | 30 | 115 | | 39,0 | 0,28 | 5,15/10,4 | 3,02/7,18 | 10000 |

# IV. DOUBLE BEARINGS COMBINED WITH THE ROLLER INSTEAD OF INNER RACE (for water pumps of cars)

DESIGN OPTIONS:

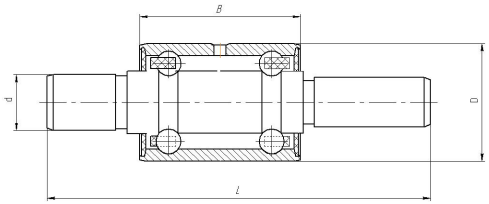
| | | |
|---|---|---|
| .H ….. | (.WB…..) | - Ball and ball |
| .HP ….. | (.WR…..) | - Ball and roller |

Application: BEARINGS FOR WATER PUMPS OF CARS
(DESIGNATION VALID UNTIL 2004)

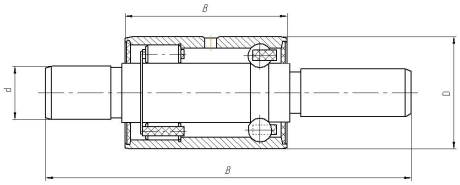
Design variety:

H Ball with the smooth roller
1H Ball with the smooth roller and ring groove on the long end of the roller
2H Ball with the smooth roller and ring groove on the short end of the roller
3H Ball with step on the long end of the roller
4H Ball with step on the short end of the roller
5H Ball with steps on both output ends of the roller

HP Ball and roller with the smooth roller
1HP Ball and roller with smooth roller and ring groove on the long end of the roller
2HP Ball and roller with smooth roller and ring groove on the long end of the roller
3HP Ball and roller with step on the long end of the roller
4HP Ball and roller with step on the short end of the roller
5HP Ball and roller with steps on both output ends of the roller




**.H ….. (.WB…..)**



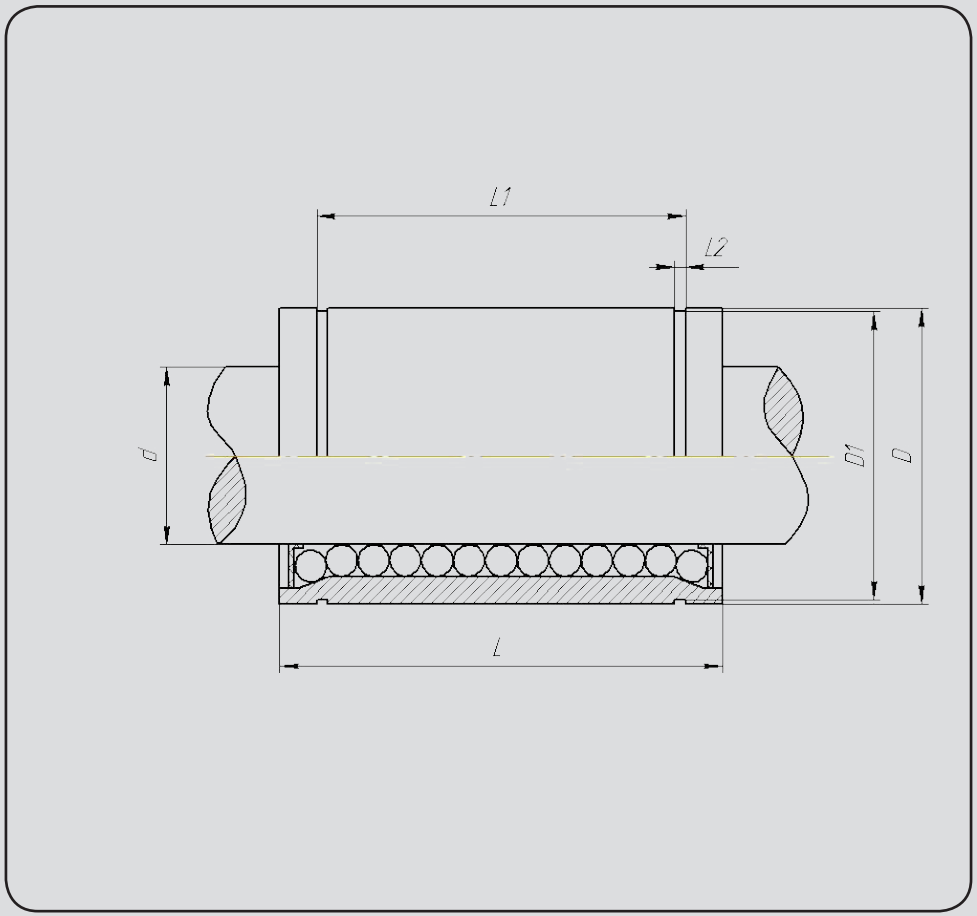

**.HP ….. (.WR…..)**

| GOST designation | ISO designation | Diameter of shaft (d, мм | Outer diameter (D, мм) | Length of shaft (B, мм) | | Length of case (H,мм) | Weight (m, кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|---|
| 330802 | - | 16 | 30 | 92 | | 39 | 0,228 | 13 | 5,4 | 12000 |
| 330902 | PAS721 | 16 | 30 | 115 | | 39 | 0,26 | 10,06 | 5,4 | 12000 |
| H 16083 ПЕ | HH555BR3 | 15,918 | 30 | 83,2 | | 25 | 0,182 | 13 | 5,4 | 12000 |
| H 16098 ПН25Е | - | 15,918 | 30 | 98 | | 38,84 | 0,235 | 13 | 5,4 | 12000 |
| HP 16098 ПЕ | - | 15,918 | 30 | 98 | | 39 | 0,23 | 6,5 | 2,7 | 10000 |
| 1H 16098 Е | - | 16 | 30 | 98 | | 39 | 0,247 | 13 | 5,4 | 12000 |
| 1H 16106 Е | - | 16 | 30 | 106 | | 39 | 0,259 | 13 | 5,4 | 12000 |
| 1HP 16092 Е | - | 16 | 30 | 92 | | 39 | 0,23 | 6,5 | 2,7 | 10000 |
| 1HP 16115 Е | - | 16 | 30 | 115 | | 39 | 0,286 | 6,5 | 2,7 | 10000 |
| 1HP 16115 К1Е | - | 16 | 30 | 115 | | 39 | 0,3 | 6,5 | 2,7 | 10000 |
| 3HP 25155 Е | - | 25 | 55 | 155 | | 70 | - | - | - | - |
| 5H 15088 ПКЕ | - | 16 | 30 | 87,5 | | 36 | 0,201 | 12 | 5,4 | 12000 |
| 5HP 15088 ПЕ | - | 16 | 30 | 87,5 | | 39 | 0,2 | 6,5 | 2,7 | 10000 |
| 5HP 17118 Е | - | 19,5 | 38 | 118 | | 55 | 0,444 | 12,6 | 4,6 | 8500 |
| 5HP 17124 Е | - | 19,5 | 38 | 124 | | 55 | 0,453 | 12,6 | 4,6 | 8500 |
| 5HP 19088 ПЕ | - | 19,5 | 38 | 88 | | 55 | 0,397 | 14,97 | 9,3 | 8500 |
| 5HP19088 ПК2Е | - | 19,5 | 38 | 88 | | 55 | 0,41 | 14,97 | 9,3 | 8500 |
| 5HP 19094 ПЕ | - | 19,5 | 40 | 94 | | 39 | 0,517 | 12,6 | 4,6 | 8500 |
| 5HP 19147 ПЕ | - | 19,5 | 38 | 147 | | 55 | 0,47 | 14,97 | 9,3 | 8500 |
| 5HP 19149 ПЕ | - | 19,5 | 38 | 149 | | 55 | 0,454 | 15,67 | 9,3 | 8500 |

# BEARINGS FOR LINEAR CONVEYANCE

**BALL BEARINGS FOR LINEAR CONVEYANCE** ..... 684

**FLAT NEEDLE BEARINGS FOR LINEAR CONVEYANCE** ..... 688




Linear ball-bearings represent bearings for unlimited forward conveyance forward and back during which balls constantly come back to the loaded zone on returnable ports. Exact guides of rectilinear conveyance are easily and economically made on the basis of linear bearings.

The choice of the necessary ball-bearing, for application as the linear guiding device, is carried out on the basis of its loading capacity, depending on the enclosed loading and requirements imposed to durability and reliability of the bearing.

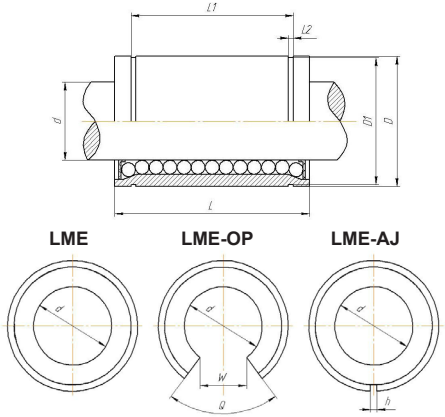
DESIGN OPTIONS:

| | | |
|---|---|---|
| 510….E | (LME … UU) | - Ball barrels with plastic separator |
| 510 …КЛ | (LM … UU) | - Ball barrels with double-compaction seal |
| | (LMH … UU) | - Linear ball bearing with flange |
| | (SCS … UU) | - Bearing unit for linear movement in the housing |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 510….E | (LME … UU) | - Ball barrels with plastic separator |
| 510 …КЛ | (LM … UU) | - Ball barrels with double-compaction seal |
| | (LMH … UU) | - Linear ball bearing with flange |
| | (SCS … UU) | - Bearing unit for linear movement in the housing |

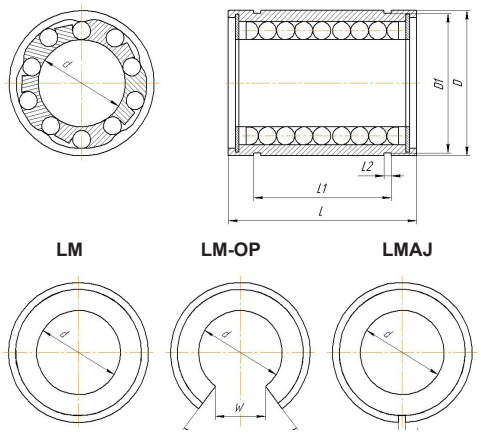
## BALL BARRELS WITH PLASTIC SEPARATOR




| GOST designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width (B, мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Weight (m, kg) |
|---|---|---|---|---|---|---|---|
| 510805Л | 25 | 40 | 58 | 0,1900 | - | - | |
| 510806Е1 | 30 | 47 | 68 | 0,3520 | 1,60 | 3,00 | 0,466 |
| 510806Л2 | 30 | 47 | 68 | 0,4460 | 1,60 | 3,00 | 0,466 |
| 510808Л2 | 40 | 62 | 80 | 0,9480 | 2,70 | 4,60 | 0,948 |
| 510810Л2 | 50 | 75 | 100 | 1,6700 | 4,00 | 7,80 | 1,720 |
| 510812Л2 | 60 | 90 | 125 | 3,1500 | 5,70 | 11,00 | 3,150 |
| 510816Л2 | 80 | 120 | 165 | 7,1000 | 10,60 | 19,50 | 7,100 |

| Type | d | D | D1 | L | L1 | L2 | W | h | Q (°) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Weight (m, kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LME-05UU(AJ)/(OP) | 5 | 12 | 11.5 | 22 | 14.5 | 1.1 | - | 1.0 | - | 0.270 | 0.270 | 0.01 |
| LME-08UU(AJ)/(OP) | 8 | 16 | 15.2 | 25 | 16.5 | 1.1 | - | 1.0 | - | 0.350 | 0.410 | 0.02 |
| LME-12UU(AJ)/(OP) | 12 | 22 | 21.0 | 32 | 22.9 | 1.3 | 7.5 | 1.5 | 78 | 0.555 | 0.800 | 0.04 |
| LME-16UU(AJ)/(OP) | 16 | 26 | 24.9 | 36 | 24.9 | 1.3 | 10.0 | 1.5 | 78 | 1.045 | 0.910 | 0.06 |
| LME-20UU (AJ)/(OP) | 20 | 32 | 30.3 | 45 | 31.5 | 1.6 | 10.0 | 2.0 | 60 | 1.170 | 1.400 | 0.09 |
| LME-25UU (AJ)/(OP) | 25 | 40 | 37.5 | 58 | 44.1 | 1.85 | 12.5 | 2.0 | 60 | 1.330 | 1.600 | 0.21 |
| LME-30UU (AJ)/(OP) | 30 | 47 | 44.5 | 68 | 52.1 | 1.85 | 12.5 | 2.0 | 50 | 2.120 | 2.800 | 0.32 |
| LME-40UU (AJ)/(OP) | 40 | 62 | 59.0 | 80 | 60.6 | 2.15 | 16.8 | 3.0 | 50 | 2.950 | 4.100 | 0.70 |
| LME-50UU(AJ)/(OP) | 50 | 75 | 72.0 | 100 | 77.6 | 2.65 | 21.0 | 3.0 | 50 | 5.195 | 8.100 | 1.13 |
| LME-60UU(AJ)/(OP) | 60 | 90 | 86.5 | 125 | 101.7 | 3.15 | 27.2 | 3.0 | 54 | 6.390 | 10.200 | 2.05 |

## BALL BARRELS WITH TWO-BOARDS SEAL

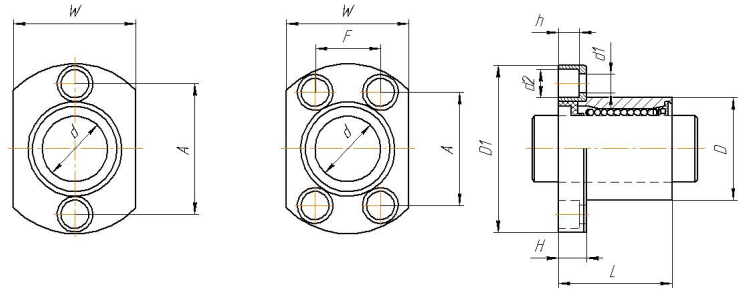



| Type | d | D | D1 | L | L1 | L2 | W | h | Q (°) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Weight (m, kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LM-04UU | 4 | 8 | - | 12 | - | - | | - | - | 0,09, | 0,130 | 0,002 |
| LM-06UU | 6 | 12 | 11,5 | 19 | 13,5 | 1,1 | | - | - | 0,200 | 0,270 | 0,008 |
| LM-08UU | 8 | 15 | 14,3 | 24 | 17,5 | 1,1 | | - | - | 0,270 | 0,410 | 0,016 |
| LM-10UU | 10 | 19 | 18,0 | 29 | 22,0 | 1,3 | | - | - | 0,380 | 0,550 | 0,030 |
| LM-12UU (AJ) | 12 | 21 | 20,0 | 30 | 23,0 | 1,3 | | 1.5 | - | 0,420 | 0,600 | 0,032 |
| LM-16UU (AJ,OP) | 16 | 28 | 27,0 | 37 | 26,6 | 1,6 | 11,0 | 1.5 | 80 | 0,780 | 1,190 | 0,069 |
| LM-20UU (AJ,OP) | 20 | 32 | 30,5 | 42 | 30,5 | 1,6 | 11,0 | 2 | 60 | 0,830 | 1,400 | 0,087 |
| LM-25UU (AJ,OP) | 25 | 40 | 38,0 | 59 | 41,0 | 1,85 | 12,0 | 2 | 50 | 1,000 | 1,590 | 0,220 |
| LM-30UU(AJ,OP) | 30 | 45 | 43,0 | 64 | 44,5 | 1,85 | 15,0 | 2.5 | 50 | 1,590 | 2,790 | 0,250 |
| LM-40UU(AJ,OP) | 40 | 60 | 57,0 | 80 | 60.5 | 2.1 | 20,0 | 3.0 | 50 | 2.160 | 3.140 | 0,320 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 510….E | (LME … UU) | - Ball barrels with plastic separator |
| 510 …КЛ | (LM … UU) | - Ball barrels with double-compaction seal |
| | (LMH … UU) | - For linear conveyance with flange |
| | (SCS … UU) | - Bearing unit for linear movement in the housing |

## BALL BARRELS FOR LINEAR CONVEYANCE WITH FLANGE



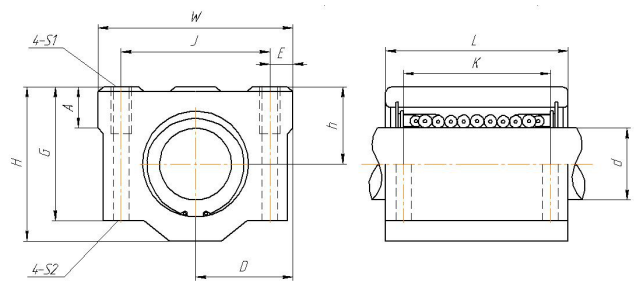

| Type | d | D | L | D1 | H | d1 | d2 | h | W | A | F | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Weight (m, kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LMH6UU | 6 | 12 | 19 | 28 | 5 | 3,4 | 6,5 | 3,3 | 18 | 20 | - | 0,196 | 0,255 | 0,026 |
| LMH8UU | 8 | 15 | 24 | 32 | 5 | 3,4 | 6,5 | 3,3 | 21 | 24 | - | 0,255 | 0,390 | 0,040 |
| LMH10UU | 10 | 19 | 29 | 40 | 6 | 4,5 | 8 | 4,4 | 25 | 29 | - | 0,362 | 0,530 | 0,078 |
| LMH12UU | 12 | 21 | 30 | 42 | 6 | 4,5 | 8 | 4,4 | 27 | 32 | - | 0,402 | 0,580 | 0,086 |
| LMH16UU | 16 | 28 | 37 | 48 | 6 | 4,5 | 8 | 4,4 | 34 | 31 | 22 | 0,755 | 1,150 | 0,134 |
| LMH20UU | 20 | 32 | 42 | 54 | 8 | 5,5 | 9,5 | 5,4 | 38 | 36 | 24 | 0,843 | 1,340 | 0,180 |
| LMH25UU | 25 | 40 | 59 | 62 | 8 | 5,5 | 9,5 | 5,4 | 45 | 40 | 32 | 0,960 | 1,523 | 0,340 |



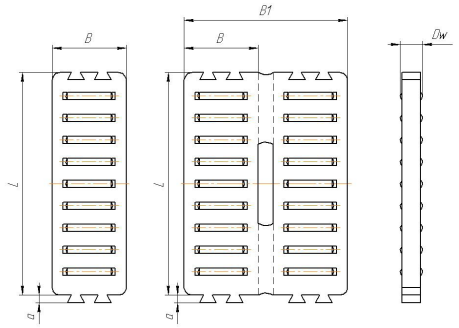
DESIGN OPTIONS:

| | | |
|---|---|---|
| 510….E | (LME … UU) | - Ball barrels with plastic separator |
| 510 …КЛ | (LM … UU) | - Ball barrels with double-compaction seal |
| | (LMH … UU) | -For linear conveyance with flange |
| | (SCS … UU) | - Bearing unit for linear movement in the housing |

## BALL BARRELS FOR LINEAR CONVEYANCE IN THE HOUSING

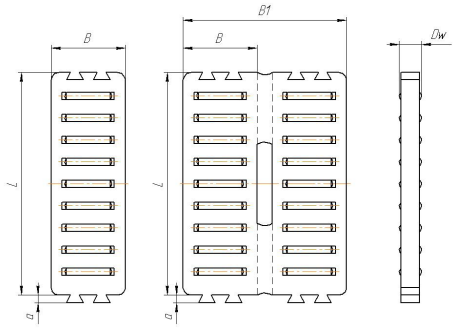



| Type | Diameter Shaft | h | D | W | H | G | A | J | E | S 1 x1 | S 2 | K | L | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Weight (m, kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCS08UU | 8 | 11 | 17 | 34 | 22 | 18 | 6 | 24 | 5 | M4x8 | Ø 3 | 18 | 30 | 0,274 | 0,392 | 0,056 |
| SCS10UU | 10 | 13 | 20 | 40 | 26 | 21 | 6 | 28 | 5 | M5x10 | Ø 4,3 | 21 | 35 | 0,380 | 0,549 | 0,090 |
| SCS12UU | 12 | 15 | 21 | 42 | 28 | 24 | 5,5 | 33 | 5,5 | M5x10 | Ø 4,3 | 26 | 39 | 0,420 | 0,784 | 0,112 |
| SCS13UU | 13 | 15 | 22 | 44 | 30 | 24.5 | 8 | 33 | 5,5 | M5x12 | Ø 4,3 | 26 | 39 | 0,510 | 0,784 | 0,120 |
| SCS16UU | 16 | 19 | 25 | 50 | 38,5 | 32,5 | 7 | 36 | 7 | M5x12 | Ø 4,3 | 34 | 44 | 0,774 | 1,180 | 0,200 |
| SCS20UU | 20 | 21 | 27 | 54 | 41 | 35 | 7 | 40 | 7 | M6x12 | Ø 5,2 | 40 | 50 | 0,882 | 1,370 | 0,255 |
| SCS25UU | 25 | 26 | 38 | 76 | 51.5 | 42 | 12 | 54 | 11 | M8x18 | Ø 6,8 | 50 | 57 | 0,980 | 1,570 | 0,600 |
| SCS30UU | 30 | 30 | 39 | 78 | 59.5 | 49 | 15 | 58 | 10 | M8x18 | Ø 6 | 58 | 72 | 1,570 | 2,740 | 0,735 |
| SCS35UU | 35 | 34 | 45 | 90 | 68 | 54 | 18 | 70 | 10 | M8x18 | Ø ,8 | 60 | 80 | 1,670 | 3,140 | 1,100 |
| SCS40UU | 40 | 40 | 51 | 102 | 78 | 62 | 20 | 80 | 11 | M10x25 | Ø ,8 | 60 | 90 | 2,160 | 4,020 | 1,600 |



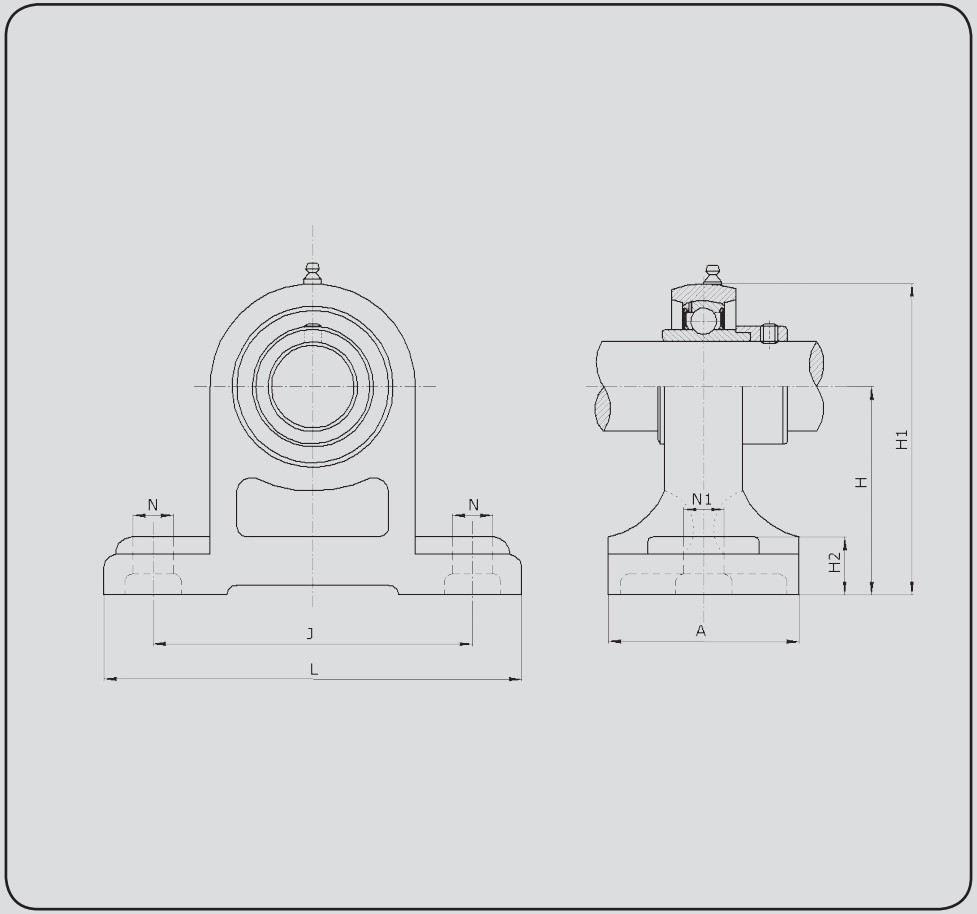

**РИП….К** **РИП….КК**

| GOST designation | ISO designation | Roller diameter (d,мм) | Width (B,мм) | Length (L,мм) | Weight (m,кг) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|
| РИП2010К | FF 2010 | 2 | 10 | 32 | 0,0018 | 8,40 | 18,00 | - | - |
| РИП2025К | FF 2025 | 2 | 10 | 32 | 0,003 | 11,80 | 28,00 | - | - |
| РИП2025КК | FF 2025ZW | 2 | 10/25 | 32 | 0,0036 | 14,20 | 35,00 | - | - |
| РИП3020К | FF 3020 | 3 | 20 | 60 | 0,0104 | 30,60 | 72,00 | - | - |
| РИП3525К | FF3525 | 3,5 | 25 | 75 | 0,0190 | 48,20 | 125,00 | - | - |
| РИП3020/0120 | - | 3 | 20 | 120 | 0,041 | 66,00 | 199,00 | - | - |




**РИП….К** **РИП….КК**

| GOST designation | ISO designation | Roller diameter (d,мм) | Width (B,мм) | Length (L,мм) | Weight (m,кг) | Loading capacity dynamic (C, kH)) | Loading capacity static (Co, kH) | Rotary speed with plastic lubricant (n lim r / min) | Rotary speed with lubricating liquid (n lim r / min) |
|---|---|---|---|---|---|---|---|---|---|
| РИП3020/0162 | - | 3 | 20 | 162 | 0,055 | 84,00 | 270,00 | - | - |
| РИП3020/0192 | - | 3 | 20 | 192 | 0,066 | 96,00 | 320,00 | - | - |
| РИП3020/0318 | - | 3 | 20 | 918 | 0,109 | 144,00 | 539,00 | - | - |
| РИП3020/0474 | - | 3 | 20 | 474 | 0,163 | 196,00 | 800,00 | - | - |
| РИП3020/0582 | - | 3 | 20 | 582 | 0,199 | 230,00 | 984,00 | - | - |
| РИП5032/0100 | - | 5 | 32 | 100 | 0,073 | 138,00 | 364,00 | - | - |




# BEARING MOUNT ASSEMBLIES WITH CASES

I. BEARING MOUNT ASSEMBLIES (FIXED BEARINGS) .....692

II. CASES FOR THE FIXED BEARINGS CAST .....694

III. SINGLE-ROW BALL FIXED BEARINGS (CASE)

- WITH RETAINER SCREWS ON THE INNER RACE .....712
- WITH THE ECCENTRIC SHIELDS .....716
- WITH THE CONICAL BORE ON THE FIXING BARREL .....718
- WITH SIMILAR WIDE RACES .....722

The bearing mount units (fixed by bearings) consist of radial ball bearings with bilateral seals and spherical surface of an outer race and the cast case from gray cast iron, plastic or stamped steel sheet.

Such units are, as a rule, applied as the simple fixed bearing parts in farm vehicles, conveyors, construction cars where work happens at low temperatures.

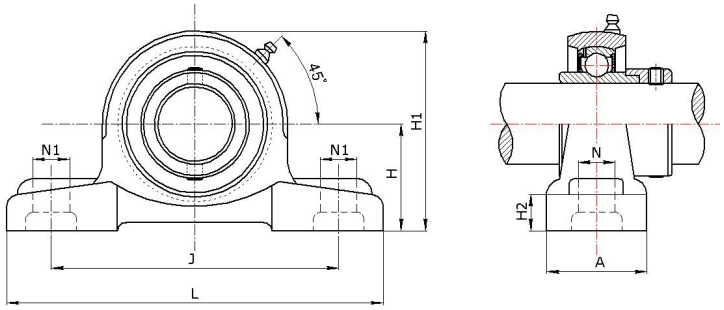
The fixed bearings exhaust with the increased radial play corresponding to the 7 group (SZ) that allows to compensate sidesways and a bend of shaft to 5 °.

The axial clearance exceeds radial at 8-10 times.

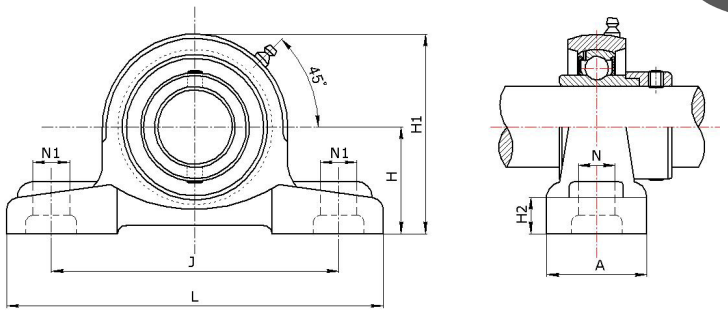
The working temperature of bearing mount assemblies lies within-30 ÷ +100 °C.

**The variants of gathering units are given in the table.**

| | P | PA | PH | F | | FL | FC | T | FA | FB |
|---|---|---|---|---|---|---|---|---|---|---|
| **UC 2…** | d = 17-90 mm<br>UCP200 | UCPA200 | UCPH200 | UCF200 | | UCFL200 | UCFC200 | UCT200 | UCFA200 | UCFB200 |
| **UC 3…** | d = 25-140 mm<br>UCP300 | | | UCF300 | | UCFL300 | | UCT300 | | |
| **UK 2…** | d = 25-90 mm<br>UKP200 | UKPA200 | UKPH200 | UKF200 | | UKFL200 | UKFC200 | UKT200 | UKFA200 | UKFB200 |
| **UK 3…** | d =25-140 mm<br>UKP300 | | | UKF300 | | UKFL300 | | UKT300 | | |
| **SA 2…** | d = 12-60 mm<br>SAP200 | | | SAF200 | | SAFL200 | SAFC200 | SAT200 | | |
| **SB 2…** | d = 12-60 mm<br>SBP200 | | | SBF200 | | SBFL200 | SBFC200 | SBT300 | | |
| **NA 2…** | d = 17-75 mm<br>NAP200 | NAPA200 | NAPH200 | NAF200 | | NAFL200 | NAFC200 | NAT200 | NAFA200 | NAFB200 |
| **CS 2… LLU** | | | | | | | | | | |

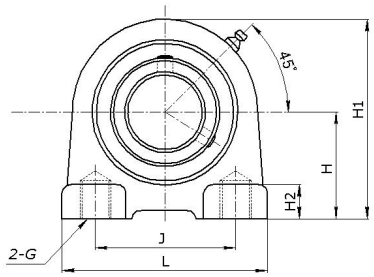


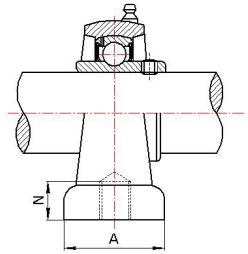

P 203 ÷ P220; P 305 ÷ P328



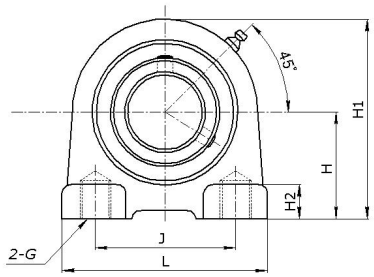

P 203 ÷ P220; P 305 ÷ P328

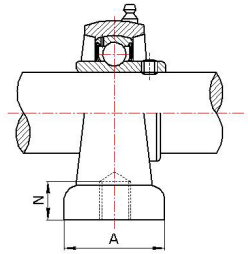
| Type | Outer diameter (D, мм) | Overall dimensions (mm) | | | | | | | | Connection Dimensions (мм) | | | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | A1 | A2 | L | H | H1 | H2 | | J | N | N1 | G | G1 | m (кг) |
| P 203 | 47 | 38 | - | - | 127 | 30,2 | 62 | 14 | | 95 | 13 | 19 | м10 | - | 0,51 |
| P 204 | 47 | 38 | - | - | 127 | 33,3 | 65 | 14 | | 95 | 13 | 19 | м10 | - | 0,56 |
| P 205 | 52 | 38 | - | - | 140 | 36,5 | 65 | 15 | | 105 | 13 | 19 | м10 | - | 0,69 |
| P 206 | 62 | 48 | - | - | 165 | 42,9 | 83 | 17 | | 121 | 17 | 23 | м14 | - | 1,17 |
| P 207 | 72 | 48 | - | - | 167 | 47,6 | 93 | 18 | | 127 | 17 | 23 | м14 | - | 1,29 |
| P 208 | 80 | 54 | - | - | 184 | 49,2 | 100 | 18 | | 137 | 17 | 23 | м14 | - | 1,57 |
| P 209 | 85 | 54 | - | - | 190 | 54 | 106 | 20 | | 146 | 17 | 23 | м14 | - | 1,72 |
| P 210 | 90 | 60 | - | - | 206 | 57,2 | 114 | 21 | | 159 | 20 | 26 | м16 | - | 2,36 |
| P 211 | 100 | 60 | - | - | 219 | 63,5 | 126 | 23 | | 171 | 20 | 26 | м16 | - | 2,66 |
| P 212 | 110 | 70 | - | - | 241 | 69,8 | 138 | 25 | | 184 | 20 | 26 | м16 | - | 3,65 |
| P 213 | 120 | 70 | - | - | 265 | 76,2 | 151 | 27 | | 203 | 25 | 31 | м20 | - | 4,2 |
| P 214 | 125 | 72 | - | - | 266 | 79,4 | 157 | 27 | | 210 | 25 | 31 | м20 | - | 4,9 |
| P 215 | 130 | 74 | - | - | 275 | 82,6 | 163 | 28 | | 217 | 25 | 31 | м20 | - | 5,3 |
| P 216 | 140 | 78 | - | - | 292 | 88,9 | 175 | 30 | | 232 | 25 | 31 | м20 | - | 6,2 |
| P 217 | 150 | 83 | - | - | 310 | 95,2 | 187 | 32 | | 247 | 25 | 31 | м20 | - | 7,5 |
| P 218 | 160 | 88 | - | - | 327 | 101,6 | 200 | 33 | | 262 | 27 | 33 | м22 | - | 9,8 |
| P 220 | 180 | 95 | - | - | 380 | 225 | 225 | 40 | | 308 | 30 | 38 | м24 | - | 13,35 |
| | | | | | | | | | | | | | | | |
| P 305 | 62 | 45 | - | - | 175 | 45 | 85 | 15 | | 132 | 17 | 20 | м14 | - | 1,45 |
| P 306 | 72 | 50 | - | - | 180 | 50 | 95 | 18 | | 140 | 17 | 20 | м14 | - | 1,82 |
| P 307 | 80 | 56 | - | - | 210 | 56 | 106 | 20 | | 160 | 17 | 25 | м14 | - | 2,39 |
| P 308 | 90 | 60 | - | - | 220 | 60 | 116 | 22 | | 170 | 17 | 27 | м14 | - | 3,05 |
| P 309 | 100 | 67 | - | - | 245 | 67 | 129 | 24 | | 190 | 20 | 30 | м16 | - | 4,10 |
| P 310 | 110 | 75 | - | - | 275 | 75 | 143 | 27 | | 212 | 20 | 35 | м16 | - | 4,72 |
| P 311 | 120 | 80 | - | - | 310 | 80 | 154 | 30 | | 236 | 20 | 38 | м16 | - | 5,72 |
| P 312 | 130 | 85 | - | - | 330 | 85 | 165 | 32 | | 250 | 25 | 38 | м20 | - | 6,80 |
| P 313 | 140 | 90 | - | - | 340 | 90 | 176 | 33 | | 260 | 25 | 38 | м20 | - | 7,05 |
| P 314 | 150 | 90 | - | - | 360 | 95 | 187 | 35 | | 280 | 27 | 38 | м22 | - | 8,04 |
| P 315 | 160 | 100 | - | - | 380 | 100 | 198 | 35 | | 290 | 27 | 40 | м22 | - | 9,80 |
| P 316 | 170 | 110 | - | - | 400 | 106 | 210 | 40 | | 300 | 27 | 40 | м22 | - | 11,50 |
| P 317 | 180 | 110 | - | - | 420 | 112 | 220 | 40 | | 320 | 33 | 40 | м27 | - | 12,50 |
| P 318 | 190 | 110 | - | - | 430 | 118 | 235 | 45 | | 330 | 33 | 45 | м27 | - | 13,6 |
| P 319 | 200 | 120 | - | - | 470 | 125 | 250 | 45 | | 360 | 36 | 45 | м30 | - | 19,50 |
| P 320 | 215 | 120 | - | - | 490 | 140 | 275 | 50 | | 380 | 36 | 50 | м30 | - | 22,8 |
| P 321 | 225 | 120 | - | - | 490 | 140 | 280 | 50 | | 380 | 36 | 50 | м30 | - | 24,00 |
| P 322 | 240 | 140 | - | - | 520 | 150 | 300 | 55 | | 400 | 40 | 50 | м33 | - | 28,90 |
| P 324 | 260 | 140 | - | - | 570 | 160 | 320 | 65 | | 450 | 40 | 55 | м33 | - | 35,50 |
| P 326 | 280 | 140 | - | - | 600 | 180 | 355 | 75 | | 480 | 40 | 55 | м33 | - | 49,10 |
| P 328 | 300 | 140 | - | - | 620 | 200 | 390 | 75 | | 500 | 40 | 55 | м33 | - | 62,70 |



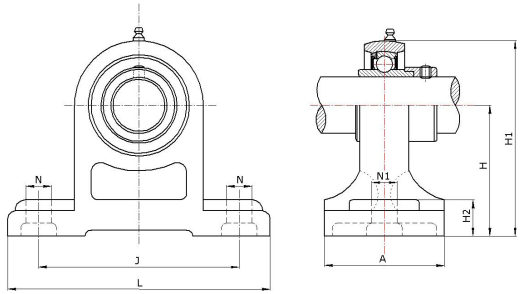

**PA 203 ÷ PA 213**



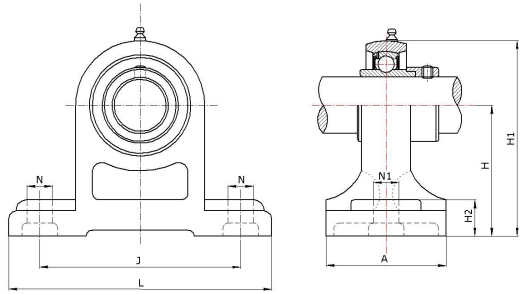




**PA 203 ÷ PA 213**

| Type | Outer diameter (D, мм) | Overall dimensions (mm) | | | | | | | | Connection Dimensions (мм) | | | | | Weight m (кг) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | A1 | A2 | L | H | H1 | H2 | | J | N | N1 | G | G1 | |
| PA 203 | 40 | 40 | - | - | 76 | 30,2 | 62 | 11 | | 52 | 12 | - | M10 | - | 0,43 |
| PA 204 | 47 | 40 | - | - | 76 | 30,2 | 62 | 11 | | 52 | 12 | - | M10 | - | 0,43 |
| PA 205 | 52 | 45 | - | - | 84 | 36,5 | 72 | 12 | | 56 | 15 | - | M10 | - | 0,66 |
| PA 206 | 62 | 50 | - | - | 94 | 42,9 | 84 | 12 | | 66 | 18 | - | M14 | - | 0,88 |
| PA 207 | 72 | 55 | - | - | 110 | 47,6 | 95 | 13 | | 80 | 20 | - | M14 | - | 1,24 |
| PA 208 | 80 | 58 | - | - | 116 | 49,2 | 100 | 13 | | 84 | 20 | - | M14 | - | 1,36 |
| PA 209 | 85 | 60 | - | - | 120 | 54,2 | 108 | 13 | | 90 | 22 | - | M14 | - | 1,52 |
| PA 210 | 90 | 64 | - | - | 130 | 57,2 | 116 | 14 | | 94 | 25 | - | M16 | - | 2,02 |
| PA 211 | 100 | 66 | - | - | 140 | 63,5 | 125 | 14 | | 104 | 25 | - | M16 | - | 1,96 |
| PA 212 | 110 | 68 | - | - | 150 | 69,8 | 138 | 15 | | 114 | 25 | - | M16 | - | 2,78 |
| PA 213 | 120 | 70 | - | - | 160 | 76,2 | 150 | 15 | | 124 | 25 | - | M16 | - | 2,94 |

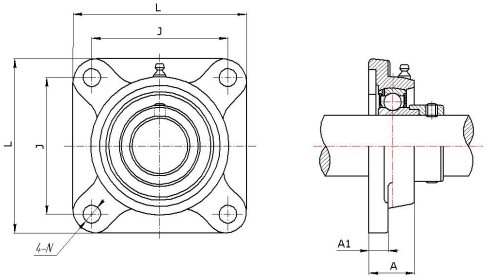



**PH 203 ÷ PH 215**

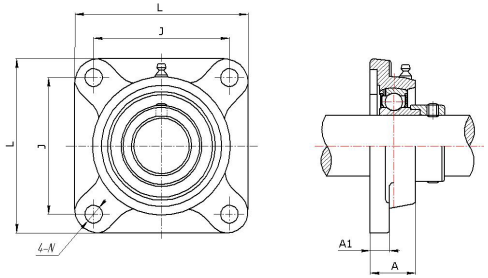



**PH 203 ÷ PH 215**

| Type | Outer diameter (D, мм) | Overall dimensions (mm) | | | | | | | | Connection Dimensions (мм) | | | | | Weight m (кг) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | A1 | A2 | L | H | H1 | H2 | | J | N | N1 | G | G1 | |
| PH 203 | 40 | 40 | - | - | 127 | 70 | 101 | 15 | | 95 | 13 | 19 | 10 | - | 0,75 |
| PH 204 | 47 | 40 | - | - | 127 | 70 | 101 | 15 | | 95 | 13 | 19 | 10 | - | 0,79 |
| PH 205 | 52 | 50 | - | - | 140 | 80 | 114 | 16 | | 105 | 13 | 19 | 10 | - | 1,00 |
| PH 206 | 62 | 50 | - | - | 165 | 90 | 130 | 18 | | 121 | 17 | 21 | 14 | - | 1,28 |
| PH 207 | 72 | 60 | - | - | 167 | 95 | 140 | 19 | | 127 | 17 | 21 | 14 | - | 1,54 |
| PH 208 | 80 | 70 | - | - | 184 | 100 | 149 | 19 | | 137 | 17 | 21 | 14 | - | 2,06 |
| PH 209 | 85 | 70 | - | - | 190 | 105 | 157 | 20 | | 146 | 17 | 21 | 14 | - | 2,32 |
| PH 210 | 90 | 70 | - | - | 206 | 110 | 165 | 22 | | 159 | 19 | 22 | 16 | - | 2,72 |
| PH 211 | 100 | 75 | - | - | 217 | 120 | 181 | 23 | | 171 | 19 | 22 | 16 | - | 3,03 |
| PH 212 | 110 | 80 | - | - | 236 | 130 | 197 | 24 | | 186 | 19 | 22 | 16 | - | - |
| PH 213 | 120 | 85 | - | - | 258 | 140 | 213 | 26 | | 203 | 23 | 28 | 20 | - | - |
| PH 214 | 125 | 90 | - | - | 266 | 150 | 227 | 27 | | 210 | 23 | 28 | 20 | - | - |
| PH 215 | 130 | 95 | - | - | 274 | 160 | 240 | 28 | | 217 | 23 | 28 | 20 | - | - |

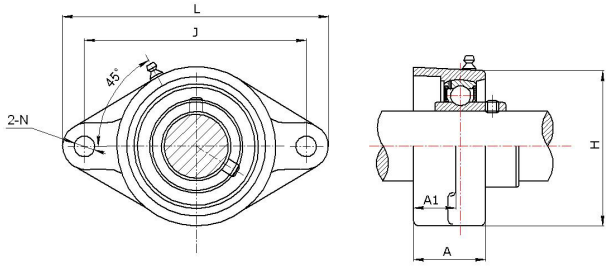



F 204 ÷ F 218; F 305 ÷ F 328

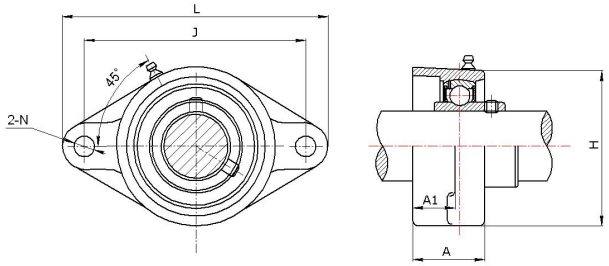



F 204 ÷ F 218; F 305 ÷ F 328

| Type | Outer diameter (D, мм) | Overall dimensions (mm) | | | | | | | | Connection Dimensions (мм) | | | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | A1 | A2 | L | H | H1 | H2 | | J | N | N1 | G | G1 | m (кг) |
| F 204 | 47 | 25,5 | 11 | - | 86 | - | - | - | | 64 | 12 | - | 10 | - | 0,45 |
| F 205 | 52 | 27 | 13 | - | 95 | - | - | - | | 70 | 12 | - | 10 | - | 0,63 |
| F 206 | 62 | 31 | 13 | - | 108 | - | - | - | | 83 | 12 | - | 10 | - | 0,78 |
| F 207 | 72 | 34 | 15 | - | 117 | - | - | - | | 92 | 14 | - | 12 | - | 1,04 |
| F 208 | 80 | 36 | 15 | - | 130 | - | - | - | | 102 | 16 | - | 14 | - | 1,26 |
| F 209 | 85 | 38 | 16 | - | 137 | - | - | - | | 105 | 16 | - | 14 | - | 1,52 |
| F 210 | 90 | 40 | 16 | - | 143 | - | - | - | | 111 | 16 | - | 14 | - | 1,72 |
| F 211 | 100 | 43 | 18 | - | 162 | - | - | - | | 130 | 19 | - | 16 | - | 2,36 |
| F 212 | 110 | 48 | 18 | - | 175 | - | - | - | | 143 | 19 | - | 16 | - | 2,74 |
| F 213 | 120 | 50 | 22 | - | 187 | - | - | - | | 149 | 19 | - | 16 | - | 3,34 |
| F 214 | 125 | 54 | 22 | - | 193 | - | - | - | | 152 | 19 | - | 16 | - | 3,80 |
| F 215 | 130 | 56 | 22 | - | 200 | - | - | - | | 159 | 19 | - | 16 | - | 4,06 |
| F 216 | 140 | 58 | 22 | - | 208 | - | - | - | | 165 | 23 | - | 20 | - | 4,52 |
| F 217 | 150 | 63 | 24 | - | 220 | - | - | - | | 175 | 23 | - | 20 | - | 5,36 |
| F 218 | 160 | 68 | 24 | - | 235 | - | - | - | | 187 | 23 | - | 20 | - | 7,00 |
| | | | | | | | | | | | | | | | |
| F 305 | 62 | 29 | 13 | - | 110 | - | - | - | | 80 | 16 | - | 14 | - | 0,95 |
| F 306 | 72 | 32 | 15 | - | 125 | - | - | - | | 95 | 16 | - | 14 | - | 1,34 |
| F 307 | 80 | 36 | 16 | - | 135 | - | - | - | | 100 | 19 | - | 16 | - | 1,60 |
| F 308 | 90 | 40 | 17 | - | 150 | - | - | - | | 112 | 19 | - | 16 | - | 2,14 |
| F 309 | 100 | 44 | 18 | - | 160 | - | - | - | | 125 | 19 | - | 16 | - | 2,72 |
| F 310 | 110 | 48 | 19 | - | 175 | - | - | - | | 132 | 23 | - | 20 | - | 3,42 |
| F 311 | 120 | 52 | 20 | - | 185 | - | - | - | | 140 | 23 | - | 20 | - | 3,52 |
| F 312 | 130 | 56 | 22 | - | 195 | - | - | - | | 150 | 23 | - | 20 | - | 4,30 |
| F 313 | 140 | 58 | 22 | - | 208 | - | - | - | | 166 | 23 | - | 20 | - | 4,55 |
| F 314 | 150 | 61 | 25 | - | 226 | - | - | - | | 178 | 25 | - | 22 | - | 6,24 |
| F 315 | 160 | 66 | 25 | - | 236 | - | - | - | | 184 | 25 | - | 22 | - | 6,90 |
| F 316 | 170 | 68 | 27 | - | 250 | - | - | - | | 196 | 31 | - | 27 | - | 7,20 |
| F 317 | 180 | 74 | 27 | - | 260 | - | - | - | | 204 | 31 | - | 27 | - | 8,60 |
| F 318 | 190 | 76 | 30 | - | 280 | - | - | - | | 216 | 35 | - | 30 | - | 11,30 |
| F 319 | 200 | 94 | 30 | - | 290 | - | - | - | | 228 | 35 | - | 30 | - | 12,90 |
| F 320 | 215 | 94 | 32 | - | 310 | - | - | - | | 242 | 38 | - | 33 | - | 15,00 |
| F 321 | 225 | 94 | 32 | - | 310 | - | - | - | | 242 | 38 | - | 33 | - | - |
| F322 | 240 | 96 | 35 | - | 340 | - | - | - | | 266 | 41 | - | 36 | - | 21,00 |
| F 324 | 260 | 110 | 40 | - | 370 | - | - | - | | 290 | 41 | - | 36 | - | 28,80 |
| F 326 | 280 | 115 | 45 | - | 410 | - | - | - | | 320 | 41 | - | 36 | - | 43,50 |
| F 328 | 300 | 125 | 55 | - | 450 | - | - | - | | 350 | 41 | - | 36 | - | 64,90 |

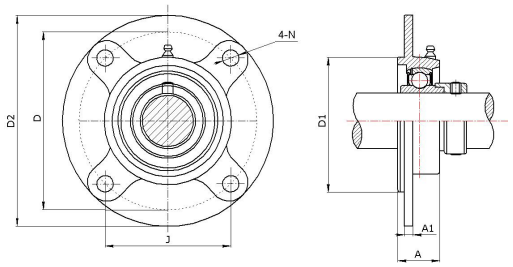



FL 204 ÷ FL 218; FL 305 ÷ FL 328

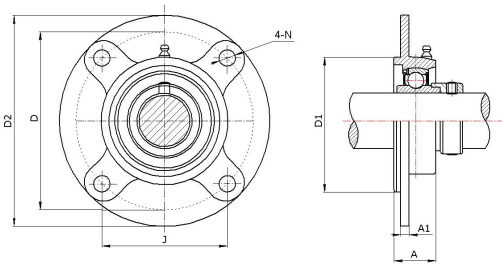



FL 204 ÷ FL 218; FL 305 ÷ FL 328

| Type | Outer diameter (D, мм) | Overall dimensions (mm) | | | | | | | | Connection Dimensions (мм) | | | | | Weight m (кг) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | A1 | A2 | L | H | H1 | H2 | | J | N | N1 | G | G1 | |
| FL 204 | 47 | 25,5 | 11 | - | 113 | 60 | - | - | | 90 | 12 | - | 10 | - | 0,31 |
| FL 205 | 52 | 27 | 13 | - | 130 | 68 | - | - | | 99 | 16 | - | 14 | - | 0,44 |
| FL 206 | 62 | 31 | 13 | - | 148 | 80 | - | - | | 117 | 16 | - | 14 | - | 0,61 |
| FL 207 | 72 | 34 | 15 | - | 161 | 90 | - | - | | 130 | 16 | - | 14 | - | 0,74 |
| FL 208 | 80 | 36 | 15 | - | 175 | 100 | - | - | | 144 | 16 | - | 14 | - | 0,96 |
| FL 209 | 85 | 38 | 16 | - | 188 | 108 | - | - | | 148 | 19 | - | 16 | - | 1,22 |
| FL 210 | 90 | 40 | 16 | - | 197 | 115 | - | - | | 157 | 19 | - | 16 | - | 1,42 |
| FL 211 | 100 | 43 | 18 | - | 224 | 130 | - | - | | 184 | 19 | - | 16 | - | 2,26 |
| FL 212 | 110 | 48 | 18 | - | 250 | 140 | - | - | | 202 | 23 | - | 20 | - | 2,74 |
| FL 213 | 120 | 50 | 22 | - | 258 | 155 | - | - | | 210 | 23 | - | 20 | - | 3,24 |
| FL 214 | 125 | 54 | 22 | - | 265 | 160 | - | - | | 216 | 23 | - | 20 | - | 3,60 |
| FL 215 | 130 | 56 | 22 | - | 275 | 165 | - | - | | 225 | 23 | - | 20 | - | 4,06 |
| FL 216 | 140 | 58 | 22 | - | 290 | 180 | - | - | | 233 | 25 | - | 22 | - | 5,02 |
| FL 217 | 150 | 63 | 24 | - | 305 | 190 | - | - | | 248 | 25 | - | 22 | - | 6,26 |
| FL 218 | 160 | 68 | 24 | - | 320 | 205 | - | - | | 265 | 25 | - | 22 | - | 7,90 |
| | | | | | | | | | | | | | | | |
| FL 305 | 62 | 29 | 13 | - | 150 | 80 | - | - | | 113 | 19 | - | 16 | - | 0,75 |
| FL 306 | 72 | 32 | 15 | - | 180 | 90 | - | - | | 134 | 23 | - | 20 | - | 0,94 |
| FL 307 | 80 | 36 | 16 | - | 185 | 100 | - | - | | 141 | 23 | - | 20 | - | 1,10 |
| FL 308 | 90 | 40 | 17 | - | 200 | 112 | - | - | | 158 | 23 | - | 20 | - | 1,54 |
| FL 309 | 100 | 44 | 18 | - | 230 | 125 | - | - | | 177 | 25 | - | 22 | - | 2,22 |
| FL 310 | 110 | 48 | 19 | - | 240 | 140 | - | - | | 187 | 25 | - | 22 | - | 2,72 |
| FL 311 | 120 | 52 | 20 | - | 250 | 150 | - | - | | 198 | 25 | - | 22 | - | 3,22 |
| FL 312 | 130 | 56 | 22 | - | 270 | 160 | - | - | | 212 | 31 | - | 27 | - | 3,90 |
| FL 313 | 140 | 58 | 25 | - | 295 | 175 | - | - | | 240 | 31 | - | 27 | - | 5,25 |
| FL 314 | 150 | 61 | 28 | - | 315 | 185 | - | - | | 250 | 35 | - | 30 | - | 5,84 |
| FL 315 | 160 | 66 | 30 | - | 320 | 195 | - | - | | 260 | 35 | - | 30 | - | 6,60 |
| FL 316 | 170 | 68 | 32 | - | 355 | 210 | - | - | | 285 | 38 | - | 33 | - | 8,80 |
| FL 317 | 180 | 74 | 32 | - | 370 | 220 | - | - | | 300 | 38 | - | 33 | - | 9,30 |
| FL 318 | 190 | 76 | 36 | - | 385 | 235 | - | - | | 315 | 38 | - | 33 | - | 11,4 |
| FL 319 | 200 | 94 | 40 | - | 405 | 250 | - | - | | 330 | 41 | - | 36 | - | 15,90 |
| FL 320 | 215 | 94 | 40 | - | 440 | 270 | - | - | | 360 | 44 | - | 39 | - | 18,60 |
| FL 321 | 225 | 94 | 40 | - | 440 | 270 | - | - | | 360 | 44 | - | 39 | - | - |
| FL 322 | 240 | 96 | 42 | - | 470 | 300 | - | - | | 390 | 44 | - | 39 | - | 21,90 |
| FL 324 | 260 | 110 | 48 | - | 520 | 330 | - | - | | 430 | 47 | - | 42 | - | 33,10 |
| FL 326 | 280 | 115 | 50 | - | 550 | 360 | - | - | | 460 | 47 | - | 42 | - | 38,6 |
| FL 328 | 300 | 125 | 60 | - | 600 | 400 | - | - | | 500 | 51 | - | 45 | - | 39,90 |

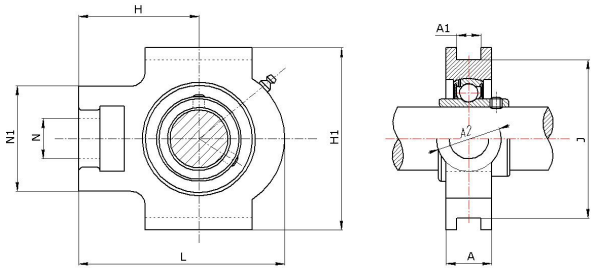



FC 203 ÷ FC 218

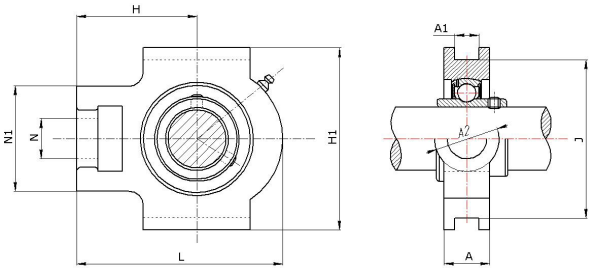



FC 203 ÷ FC 218

| Type | Outer diameter (D, мм) | Overall dimensions (mm) | | | | | | | | Connection Dimensions (мм) | | | | | Weight m (кг) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | A1 | A2 | L | D1 | D2 | D | | J | N | N1 | G | G1 | |
| FC 203 | 40 | 23 | 9 | - | - | 58 | 97 | 75 | | 53 | 12 | - | M10 | - | 061 |
| FC 204 | 47 | 25,5 | 10 | - | - | 62 | 100 | 78 | | 55,1 | 12 | - | M10 | - | 0,61 |
| FC 205 | 52 | 27 | 10 | - | - | 70 | 115 | 90 | | 63,6 | 12 | - | M10 | - | 0,75 |
| FC 206 | 62 | 31 | 10 | - | - | 80 | 125 | 100 | | 70,7 | 12 | - | M10 | - | 0,98 |
| FC 207 | 72 | 34 | 11 | - | - | 90 | 135 | 110 | | 77,8 | 14 | - | M12 | - | 1,24 |
| FC 208 | 80 | 36 | 11 | - | - | 100 | 145 | 120 | | 84,8 | 14 | - | M12 | - | 1,36 |
| FC 209 | 85 | 38 | 14 | - | - | 105 | 160 | 132 | | 93,3 | 16 | - | M14 | - | 1,92 |
| FC 210 | 90 | 40 | 14 | - | - | 110 | 165 | 138 | | 97,6 | 16 | - | M14 | - | 2,12 |
| FC 211 | 100 | 43 | 15 | - | - | 125 | 185 | 150 | | 106,1 | 19 | - | M16 | - | 3,16 |
| FC 212 | 110 | 48 | 15 | - | - | 135 | 195 | 160 | | 113,1 | 19 | - | M16 | - | 3,54 |
| FC 213 | 120 | 50 | 15 | - | - | 145 | 205 | 170 | | 120,2 | 19 | - | M16 | - | 3,74 |
| FC 214 | 125 | 54 | 17 | - | - | 150 | 215 | 177 | | 125,1 | 19 | - | M16 | - | 4,70 |
| FC 215 | 130 | 56 | 18 | - | - | 160 | 220 | 184 | | 130,1 | 19 | - | M16 | - | 4,86 |
| FC 216 | 140 | 58 | 18 | - | - | 170 | 240 | 200 | | 141,4 | 23 | - | M20 | - | 5,92 |
| FC 217 | 150 | 63 | 18 | - | - | 180 | 250 | 208 | | 147,1 | 23 | - | M20 | - | 6,76 |
| FC 218 | 160 | 68 | 22 | - | - | 190 | 265 | 220 | | 155,5 | 23 | - | M20 | - | 8,90 |

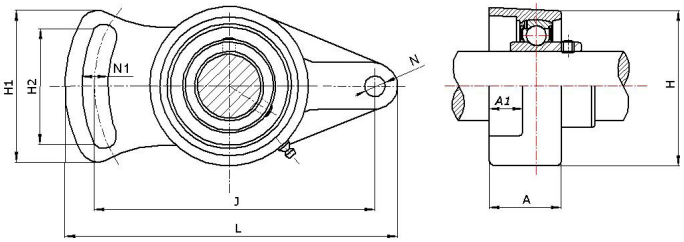



T 203 ÷ T 217; T 305 ÷ T 328

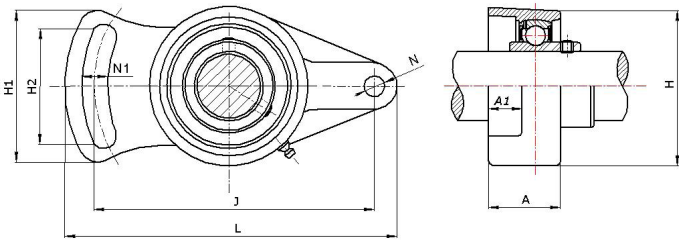



T 203 ÷ T 217; T 305 ÷ T 328

| Type | Outer diameter (D, мм) | Overall dimensions (mm) | | | | | | | | Connection Dimensions (мм) | | | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | A1 | A2 | L | H | H1 | H2 | | J | N | N1 | G | G1 | m (кг) |
| T 203 | 47 | 21 | 12 | 32 | 94 | 61 | 89 | - | | 76 | 19 | 51 | - | - | 0,61 |
| T 204 | 47 | 21 | 12 | 32 | 94 | 61 | 89 | - | | 76 | 19 | 51 | - | - | 0,62 |
| T 205 | 52 | 24 | 12 | 32 | 97 | 62 | 89 | - | | 76 | 19 | 51 | - | - | 0,63 |
| T 206 | 62 | 28 | 12 | 37 | 113 | 70 | 102 | - | | 89 | 22 | 56 | - | - | 0,98 |
| T 207 | 72 | 30 | 12 | 37 | 129 | 78 | 102 | - | | 89 | 22 | 64 | - | - | 1,14 |
| T 208 | 80 | 33 | 16 | 49 | 144 | 88 | 114 | - | | 102 | 29 | 83 | - | - | 1,76 |
| T 209 | 85 | 35 | 16 | 49 | 144 | 87 | 117 | - | | 102 | 29 | 83 | - | - | 1,76 |
| T 210 | 90 | 37 | 16 | 49 | 149 | 90 | 117 | - | | 102 | 29 | 83 | - | - | 1,76 |
| T 211 | 100 | 38 | 22 | 64 | 171 | 106 | 146 | - | | 130 | 35 | 102 | - | - | 2,96 |
| T 212 | 110 | 42 | 22 | 64 | 194 | 119 | 146 | - | | 130 | 35 | 102 | - | - | 3,54 |
| T 213 | 120 | 44 | 26 | 70 | 224 | 137 | 167 | - | | 151 | 41 | 111 | - | - | 5,04 |
| T 214 | 125 | 46 | 26 | 70 | 224 | 137 | 167 | - | | 151 | 41 | 111 | - | - | 5,04 |
| T 215 | 130 | 48 | 26 | 70 | 232 | 140 | 167 | - | | 151 | 41 | 111 | - | - | 5,04 |
| T 216 | 140 | 51 | 26 | 70 | 235 | 140 | 184 | - | | 165 | 41 | 111 | - | - | 5,52 |
| T 217 | 150 | 54 | 30 | 73 | 260 | 162 | 198 | - | | 173 | 48 | 124 | - | - | 7,56 |
| | | | | | | | | | | | | | | | |
| T 305 | 62 | 26 | 12 | 36 | 122 | 76 | 89 | - | | 80 | 26 | 62 | - | - | 1,05 |
| T 306 | 72 | 28 | 16 | 41 | 137 | 85 | 100 | - | | 90 | 28 | 70 | - | - | 1,24 |
| T 307 | 80 | 32 | 16 | 45 | 150 | 94 | 111 | - | | 100 | 30 | 75 | - | - | 1,60 |
| T 308 | 90 | 34 | 18 | 50 | 162 | 100 | 124 | - | | 112 | 32 | 83 | - | - | 2,04 |
| T 309 | 100 | 38 | 18 | 55 | 178 | 110 | 138 | - | | 125 | 34 | 90 | - | - | 2,82 |
| T 310 | 110 | 40 | 20 | 61 | 191 | 117 | 151 | - | | 140 | 37 | 98 | - | - | 3,22 |
| T 311 | 120 | 44 | 22 | 66 | 207 | 127 | 163 | - | | 150 | 39 | 105 | - | - | 4,02 |
| T 312 | 130 | 46 | 22 | 71 | 220 | 135 | 178 | - | | 160 | 41 | 113 | - | - | 5,00 |
| T 313 | 140 | 50 | 26 | 80 | 238 | 146 | 190 | - | | 170 | 43 | 116 | - | - | 6,05 |
| T 314 | 150 | 52 | 26 | 90 | 252 | 155 | 202 | - | | 180 | 46 | 130 | - | - | 7,24 |
| T 315 | 160 | 55 | 26 | 90 | 262 | 160 | 216 | - | | 192 | 46 | 132 | - | - | 8,30 |
| T 316 | 170 | 60 | 30 | 102 | 282 | 174 | 230 | - | | 204 | 53 | 150 | - | - | 10,60 |
| T 317 | 180 | 64 | 32 | 102 | 298 | 183 | 240 | - | | 214 | 53 | 152 | - | - | 12,30 |
| T 318 | 190 | 66 | 32 | 110 | 312 | 192 | 255 | - | | 228 | 57 | 160 | - | - | 14,00 |
| T 319 | 200 | 72 | 35 | 110 | 322 | 197 | 270 | - | | 240 | 57 | 165 | - | - | 16,20 |
| T 320 | 215 | 75 | 35 | 120 | 345 | 210 | 290 | - | | 260 | 59 | 175 | - | - | 19,90 |
| T 322 | 240 | 80 | 38 | 130 | 385 | 235 | 320 | - | | 285 | 65 | 185 | - | - | 25,40 |
| T 324 | 260 | 90 | 45 | 140 | 432 | 267 | 355 | - | | 320 | 70 | 210 | - | - | 35,90 |
| T 326 | 280 | 100 | 50 | 150 | 465 | 285 | 385 | - | | 350 | 75 | 220 | - | - | 46,30 |
| T 328 | 300 | 100 | 50 | 155 | 515 | 315 | 415 | - | | 380 | 80 | 230 | - | - | 56,60 |

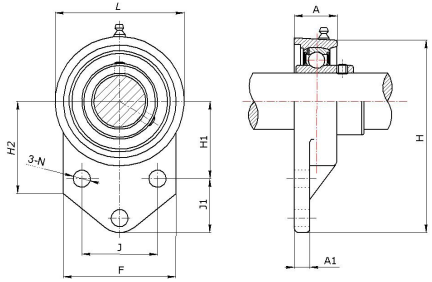



**FA 203 ÷ FA 211**

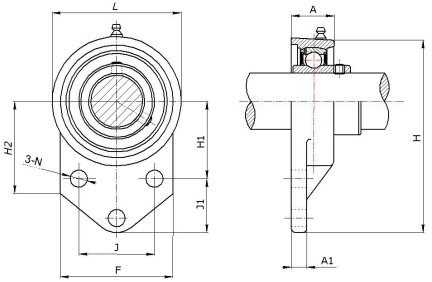



**FA 203 ÷ FA 211**

| Type | Outer diameter (D, мм) | Overall dimensions (mm) | | | | | | | | Connection Dimensions (мм) | | | | | Weight m (кг) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | A1 | A2 | L | H | H1 | H2 | | J | N | N1 | G | G1 | |
| FA 203 | 40 | 25,5 | 12 | - | 102 | 60 | 54 | 40 | | 78 | 10 | 10 | M8 | - | 0,29 |
| FA 204 | 47 | 25,5 | 12 | - | 105 | 60 | 54 | 40 | | 78 | 10 | 10 | M8 | - | 0,29 |
| FA 205 | 52 | 27 | 14 | - | 125 | 68 | 65 | 51 | | 98 | 12 | 13 | M10 | - | 0,48 |
| FA 206 | 62 | 31 | 14 | - | 144 | 80 | 72 | 58 | | 117 | 12 | 13 | M10 | - | 0,68 |
| FA 207 | 72 | 34 | 16 | - | 161 | 90 | 82 | 66 | | 130 | 15 | 15 | M12 | - | 1,04 |
| FA 208 | 80 | 36 | 16 | - | 175 | 100 | 87 | 71 | | 144 | 15 | 15 | M12 | - | 1,26 |
| FA 209 | 85 | 38 | 18 | - | 181 | 108 | 90 | 72 | | 148 | 15 | 15 | M12 | - | 1,26 |
| FA 210 | 90 | 40 | 18 | - | 190 | 115 | 94 | 76 | | 157 | 15 | 15 | M12 | - | 1,26 |
| FA 211 | 100 | 43 | 20 | - | 219 | 130 | 104 | 86 | | 184 | 16 | 17 | M14 | - | 2,56 |




FB 203 ÷ FB 210

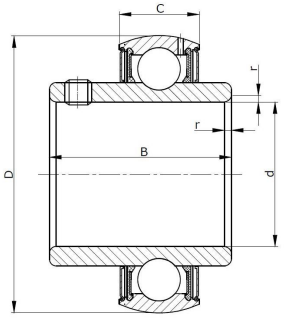



FB 203 ÷ FB 210

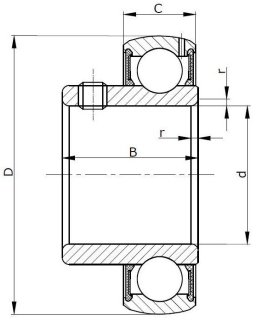
| Type | Outer diameter (D, мм) | Overall dimensions (mm) | | | | | | | | Connection Dimensions (мм) | | | | | Weight m (кг) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | A1 | F | L | H | H1 | H2 | | J | N | N1 | G | G1 | |
| FB 203 | 40 | 25,5 | 13 | 52 | 62 | 110 | 42 | 52 | | 32 | 27 | 10 | M8 | - | 0,46 |
| FB 204 | 47 | 25,5 | 13 | 52 | 62 | 110 | 42 | 52 | | 32 | 27 | 10 | M8 | - | 0,46 |
| FB 205 | 52 | 27 | 13 | 56 | 68 | 116 | 45 | 56 | | 34 | 27 | 10 | M8 | - | 0,46 |
| FB 206 | 62 | 31 | 13 | 65 | 78 | 130 | 50 | 65 | | 40 | 29 | 10 | M8 | - | 0,60 |
| FB 207 | 72 | 34 | 15 | 70 | 90 | 144 | 55 | 70 | | 46 | 32 | 10 | M8 | - | 0,82 |
| FB 208 | 80 | 36 | 16 | 78 | 100 | 164 | 60 | 78 | | 50 | 41 | 12 | M10 | - | 1,16 |
| FB 209 | 85 | 38 | 18 | 80 | 106 | 174 | 65 | 80 | | 54 | 43 | 12 | M10 | - | 1,32 |
| FB 210 | 90 | 40 | 18 | 86 | 112 | 184 | 68 | 86 | | 58 | 46 | 12 | M10 | - | 1,52 |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 480… | (UC …) | - with set screw, on the fixing barrel, inner ring acts from two sides |
| | (SB …) | - with set screw, on the fixing barrel, inner ring acts from one side |




480… (UC …)

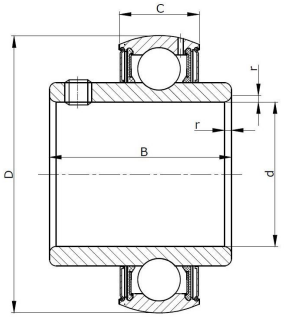



(SB …)

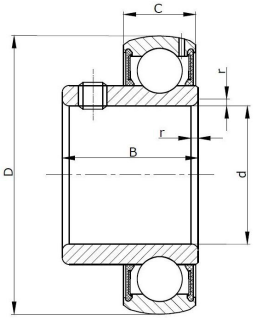
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width of the inner ring (B, мм) | | Width of the outer ring (C,мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Barrel |
|---|---|---|---|---|---|---|---|---|---|---|
| 480201 | UC 201 | 12 | 47 | 31 | | 17 | 0,21 | 12,8 | 6,65 | - |
| 480202 | UC 202 | 15 | 47 | 31 | | 17 | 0,2 | 12,8 | 6,65 | - |
| 480203 | UC 203 | 17 | 47 | 31 | | 17 | 0,18 | 12,8 | 6,65 | - |
| 480204 | UC 204 | 20 | 47 | 31 | | 17 | 0,17 | 12,8 | 6,65 | - |
| 480205 | UC 205 | 25 | 52 | 34,1 | | 17 | 0,2 | 14 | 7,85 | - |
| 480206 | UC 206 | 30 | 62 | 38,1 | | 19 | 0,33 | 19,5 | 11,3 | - |
| 480207 | UC 207 | 35 | 72 | 42,9 | | 20 | 0,49 | 25,7 | 15,3 | - |
| 480208 | UC 208 | 40 | 80 | 49,2 | | 21 | 0,65 | 29,1 | 17,8 | - |
| 480209 | UC 209 | 45 | 85 | 49,2 | | 22 | 0,7 | 32,5 | 20,4 | - |
| 480210 | UC 210 | 50 | 90 | 51,6 | | 24 | 0,8 | 35 | 23,3 | - |
| 480211 | UC 211 | 55 | 100 | 55,6 | | 25 | 1,08 | 43,5 | 29,2 | - |
| 480212 | UC 212 | 60 | 110 | 65,1 | | 27 | 1,53 | 52,5 | 36 | - |
| 480213 | UC 213 | 65 | 120 | 65,1 | | 32 | 1,85 | 57,5 | 40 | - |
| 480214 | UC 214 | 70 | 125 | 74,6 | | 33 | 2,1 | 62 | 44 | - |
| 480215 | UC 215 | 75 | 130 | 77,8 | | 34 | 2,35 | 66 | 49,5 | - |
| 480216 | UC 216 | 80 | 140 | 82,6 | | 35 | 2,8 | 72,5 | 53 | - |
| 480217 | UC 217 | 85 | 150 | 85,7 | | 36 | 3,37 | 83,5 | 64 | - |
| 480218 | UC 218 | 90 | 160 | 96 | | 37 | 4,36 | 96 | 71,5 | - |
| | | | | | | | | | | |
| - | UC 305 | 25 | 62 | 38 | | 22 | 0,42 | 21,5 | 11,3 | - |
| - | UC 306 | 30 | 72 | 43 | | 24 | 0,56 | 26,5 | 14,7 | - |
| - | UC 307 | 35 | 80 | 48 | | 26 | 0,71 | 33 | 18,6 | - |
| - | UC 308 | 40 | 90 | 52 | | 28 | 0,96 | 39,7 | 23,5 | - |
| - | UC 309 | 45 | 100 | 57 | | 30 | 1,3 | 52 | 31 | - |
| - | UC 310 | 50 | 110 | 64 | | 32 | 1,69 | 60,3 | 36,7 | - |
| - | UC 311 | 55 | 120 | 66 | | 34 | 1,9 | 70 | 43,6 | - |
| - | UC 312 | 60 | 130 | 71 | | 36 | 2,6 | 80 | 51 | - |
| - | UC 313 | 65 | 140 | 75 | | 38 | 3,16 | 92,12 | 59,3 | - |
| - | UC 314 | 70 | 150 | 78 | | 40 | 3,9 | 102 | 66,65 | - |
| - | UC 315 | 75 | 160 | 82 | | 42 | 4,26 | 110,7 | 75 | - |
| - | UC 316 | 80 | 170 | 86 | | 44 | 5,57 | 120,35 | 84,7 | - |
| - | UC 317 | 85 | 180 | 96 | | 46 | 6,9 | 129,8 | 94,5 | - |
| - | UC 318 | 90 | 190 | 96 | | 48 | 7,87 | 140 | 106 | - |
| - | UC 319 | 95 | 200 | 103 | | 50 | 8,91 | 153 | 119,5 | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 480… | (UC …) | - with set screw, on the fixing barrel, inner ring acts from two sides |
| | (SB …) | - with set screw, on the fixing barrel, inner ring acts from one side |




**480… (UC …)**

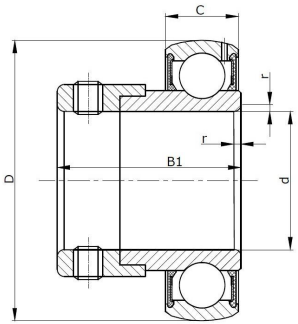



**(SB …)**

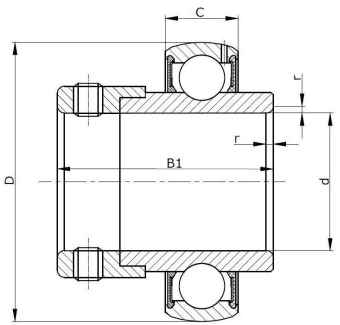
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width of the inner ring (B, мм) | | Width of the outer ring (C,мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Barrel |
|---|---|---|---|---|---|---|---|---|---|---|
| - | UC 320 | 100 | 215 | 108 | | 54 | 11,2 | 167,6 | 137 | - |
| - | UC 322 | 110 | 240 | 117 | | 60 | 15,1 | 201 | 176,5 | - |
| - | UC 324 | 120 | 260 | 126 | | 64 | 19,01 | 203 | 181,3 | - |
| - | UC 326 | 130 | 280 | 135 | | 68 | 23,6 | 224,5 | 209,7 | - |
| - | UC 328 | 140 | 300 | 145 | | 72 | 29,4 | 248 | 240 | - |
| | | | | | | | | | | |
| - | SB 201 | 12 | 40 | 22 | | 12 | 0,1 | 8,82 | 4,9 | - |
| - | SB 202 | 15 | 40 | 22 | | 12 | 0,1 | 8,82 | 4,9 | - |
| - | SB 203 | 17 | 40 | 22 | | 12 | 0,1 | 8,82 | 4,9 | - |
| - | SB 204 | 20 | 47 | 25 | | 14 | 0,15 | 12,3 | 6,37 | - |
| - | SB 205 | 25 | 52 | 27 | | 15 | 0,18 | 13,72 | 7,35 | - |
| - | SB 206 | 30 | 62 | 30 | | 16 | 0,27 | 18,62 | 10,8 | - |
| - | SB 207 | 35 | 72 | 32 | | 17 | 0,42 | 25 | 14,7 | - |
| - | SB 208 | 40 | 80 | 34 | | 18 | 0,6 | 28,9 | 20,1 | - |
| - | SB 209 | 45 | 85 | 41,2 | | 19 | 0,8 | 31,17 | 20,1 | - |
| - | SB 210 | 50 | 90 | 41,6 | | 20 | 0,83 | 34,3 | 22,5 | - |
| - | SB 211 | 55 | 100 | 45,3 | | 24 | 1,1 | 42,63 | 28,4 | - |
| - | SB 212 | 60 | 110 | 53,7 | | 24 | 1,3 | 46,55 | 32 | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| 780…K | (SA …) | - with eccentric retaining race, on the fixing barrel, inner ring acts from two sides |
| 780… | (NA …) | - with eccentric retaining race, on the fixing barrel, inner ring acts from one side |




780…K (SA …)

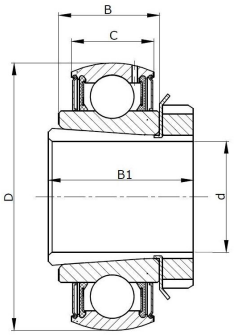



780… (NA …)

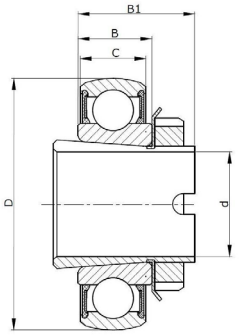
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width of the inner ring (B, мм) | | Width of the outer ring (C,мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Barrel |
|---|---|---|---|---|---|---|---|---|---|---|
| 780203 | NA 203 | 17 | 40 | 37,3 | | 14 | 0,2 | 8,82 | 4,9 | - |
| 780204 | NA 204 | 20 | 47 | 43,7 | | 17 | 0,23 | 12,3 | 6,37 | - |
| 780205 | NA 205 | 25 | 52 | 44,4 | | 17 | 0,269 | 13,72 | 7,35 | - |
| 780206 | NA 206 | 30 | 62 | 48,4 | | 19 | 0,41 | 18,62 | 10,8 | - |
| 780207 | NA 207 | 35 | 72 | 51,1 | | 20 | 0,68 | 25 | 14,7 | - |
| 780208 | NA 208 | 40 | 80 | 56,3 | | 21 | 0,78 | 28,9 | 20,1 | - |
| 780209 | NA 209 | 45 | 85 | 56,3 | | 22 | 0,87 | 31,17 | 20,1 | - |
| 780210 | NA 210 | 50 | 90 | 62,7 | | 24 | 1,1 | 34,3 | 22,5 | - |
| 780211 | NA 211 | 55 | 100 | 71,4 | | 25 | 1,39 | 42,63 | 28,4 | - |
| 780212 | NA 212 | 60 | 110 | 77,8 | | 27 | 1,87 | 46,55 | 32 | - |
| 780213 | NA 213 | 65 | 120 | 85,7 | | 28 | 2,41 | 55,9 | 39,2 | - |
| 780215 | NA 215 | 75 | 130 | 92,1 | | 30 | 2,8 | 64,7 | 48,5 | - |
| | | | | | | | | | | |
| 780201K | SA 201 | 12 | 40 | 28,6 | | 12 | 0,13 | 8,82 | 4,9 | - |
| 780202K | SA 202 | 15 | 40 | 28,6 | | 12 | 0,13 | 8,82 | 4,9 | - |
| 780203K | SA 203 | 17 | 40 | 28,6 | | 12 | 0,13 | 8,82 | 4,9 | - |
| 780204K | SA 204 | 20 | 47 | 31 | | 14 | 0,15 | 12,3 | 6,37 | - |
| 780205K | SA 205 | 25 | 52 | 31 | | 15 | 0,22 | 13,72 | 7,35 | - |
| 780206K | SA 206 | 30 | 62 | 35,7 | | 16 | 0,3 | 18,62 | 10,8 | - |
| 780207K | SA 207 | 35 | 72 | 38,9 | | 17 | 0,5 | 25 | 14,7 | - |
| 780208K | SA 208 | 40 | 80 | 43,7 | | 18 | 0,67 | 28,9 | 20,1 | - |
| 780209K | SA 209 | 45 | 85 | 43,7 | | 19 | 0,73 | 31,17 | 20,1 | - |
| 780210K | SA 210 | 50 | 90 | 43,7 | | 20 | 0,83 | 34,3 | 22,5 | - |
| 780211K | SA 211 | 55 | 100 | 48,4 | | 24 | 0,87 | 42,63 | 28,4 | - |
| 780212K | SA 212 | 60 | 110 | 53,1 | | 24 | 1,3 | 46,55 | 32 | - |

DESIGN OPTIONS:

| | | |
|---|---|---|
| | (UK …) | - with the conical bore, on the fixing barrel, inner ring acts from two sides |
| 680… | | - with the conical bore, on the fixing barrel, inner ring acts from one side |




**(UK …)**

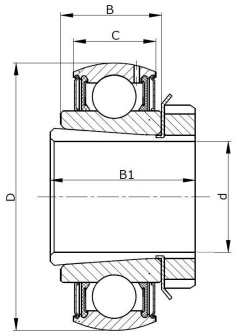



**680…**

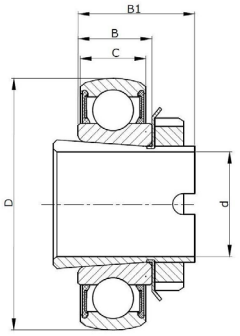
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width of the inner ring (B, мм) | | Width of the outer ring (C,мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Barrel |
|---|---|---|---|---|---|---|---|---|---|---|
| - | UK 205 | 25 | 52 | 23 | | 17 | 0,25 | 14 | 7,85 | H2305 |
| - | UK 206 | 30 | 62 | 26 | | 19 | 0,36 | 19,5 | 11,3 | H2306 |
| - | UK 207 | 35 | 72 | 29 | | 20 | 0,57 | 25,7 | 15,3 | H2307 |
| - | UK 208 | 40 | 80 | 31 | | 21 | 0,74 | 26,1 | 17,8 | H2308 |
| - | UK 209 | 45 | 85 | 31 | | 22 | 0,83 | 32,5 | 20,4 | H2309 |
| - | UK 210 | 50 | 90 | 32 | | 24 | 0,97 | 35 | 23,2 | H2310 |
| - | UK 211 | 55 | 100 | 35 | | 25 | 1,26 | 43,5 | 29,2 | H2311 |
| - | UK 212 | 60 | 110 | 40 | | 27 | 1,59 | 52,5 | 36 | H2312 |
| - | UK 213 | 65 | 120 | 40 | | 32 | 2,01 | 57,5 | 40 | H2313 |
| - | UK 215 | 75 | 130 | 44 | | 34 | 2,56 | 66 | 49,5 | H2315 |
| - | UK 216 | 80 | 140 | 45 | | 35 | 3,23 | 72,5 | 53 | H2316 |
| - | UK 217 | 85 | 150 | 46 | | 36 | 3,93 | 83,5 | 64 | H2317 |
| - | UK 218 | 90 | 160 | 47 | | 37 | 4,74 | 96 | 71,5 | H2318 |
| | | | | | | | | | | |
| - | UK 305 | 25 | 62 | 26 | | 20 | 0,36 | 21,2 | 10,9 | H2305 |
| - | UK 306 | 30 | 72 | 29 | | 23 | 0,59 | 26,7 | 15 | H2306 |
| - | UK 307 | 35 | 80 | 33 | | 25 | 0,75 | 33,5 | 19,1 | H2307 |
| - | UK 308 | 40 | 90 | 34 | | 27 | 0,02 | 40,5 | 24 | H2308 |
| - | UK 309 | 45 | 100 | 37 | | 29 | 1,38 | 53 | 32 | H2309 |
| - | UK 310 | 50 | 110 | 41 | | 32 | 1,68 | 62 | 38,5 | H2310 |
| - | UK 311 | 55 | 120 | 44 | | 34 | 2,06 | 71,5 | 45 | H2311 |
| - | UK 312 | 60 | 130 | 47 | | 36 | 2,53 | 82 | 52 | H2312 |
| - | UK 313 | 65 | 140 | 49 | | 39 | 3,08 | 92,5 | 60 | H2313 |
| - | UK 315 | 75 | 160 | 55 | | 43 | 4,84 | 113 | 77 | H2315 |
| - | UK 316 | 80 | 170 | 58 | | 45 | 5,75 | 123 | 86,5 | H2316 |
| - | UK 317 | 85 | 180 | 60 | | 47 | 6,72 | 133 | 97 | H2317 |
| - | UK 318 | 90 | 190 | 64 | | 49 | 7,87 | 143 | 107 | H2318 |
| - | UK 319 | 95 | 200 | 67 | | 51 | 9,02 | 153 | 119 | H2319 |
| - | UK 320 | 100 | 215 | 76 | | 55 | 11,1 | 173 | 141 | H2320 |
| - | UK 322 | 110 | 240 | 80 | | 59 | 14,9 | 205 | 179 | H2322 |
| - | UK 324 | 120 | 260 | 86 | | 63 | 18,01 | 207 | 185 | H2324 |
| - | UK 326 | 130 | 280 | 90 | | 67 | 23,3 | 229 | 214 | H2326 |
| - | UK 328 | 140 | 300 | 95 | | 71 | 28,9 | 253 | 246 | H2328 |
| | | | | | | | | | | |

DESIGN OPTIONS:

| | | |
|---|---|---|
| | (UK …) | - with the conical bore, on the fixing barrel, inner ring acts from two sides |
| 680… | | - with the conical bore, on the fixing barrel, inner ring acts from one side |

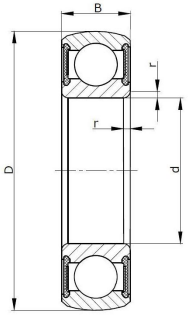



**(UK …)**




**680…**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width of the inner ring (B, мм) | | Width of the outer ring (C,мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Barrel |
|---|---|---|---|---|---|---|---|---|---|---|
| 680203 | - | 20/17 | 47 | 18 | | 14-17 | - | - | - | H304 |
| 680204 | - | 25/20 | 52 | 18 | | 15-17 | - | - | - | H305 |
| 1680204 | - | 25/20 | 52 | 18 | | 16 | 0,231 | 10,8 | 8 | H305 |
| 680205 | - | 25/30 | 62 | 20 | | 16-19 | - | - | - | H306 |
| 1680205 | - | 25/30 | 62 | 20 | | 18 | 0,34 | 15 | 11,2 | H306 |
| 680206 | - | 35/30 | 72 | 22 | | 17-20 | - | - | - | H307 |
| 1680206 | - | 35/30 | 72 | 22 | | 20 | 0,48 | 19,6 | 15,3 | H307 |
| 680207 | - | 40/35 | 80 | 23 | | 18-21 | - | - | - | H308 |
| 1680207 | - | 40/35 | 80 | 23 | | 21 | 0,62 | 22,4 | 18 | H308 |
| 680208 | - | 45/40 | 85 | 23 | | 19-22 | - | - | - | H309 |
| 1680208 | - | 45/40 | 85 | 23 | | 21 | 0,7 | 25 | 20,4 | H309 |
| 680209 | - | 50/45 | 90 | 23 | | 20-24 | - | - | - | H310 |
| 1680209 | - | 50/45 | 90 | 23 | | 21 | - | - | - | H310 |
| 680210 | - | 55/50 | 100 | 25 | | 21-25 | 1,87 | 33,5 | 29 | H311 |
| 680211 | - | 60/55 | 110 | 26 | | 22-27 | - | - | - | H312 |
| | | | | | | | | | | |
| 680314 | - | 80/70 | 150 | 39 | | 39 | 3,87 | 90 | 68 | H2316 |

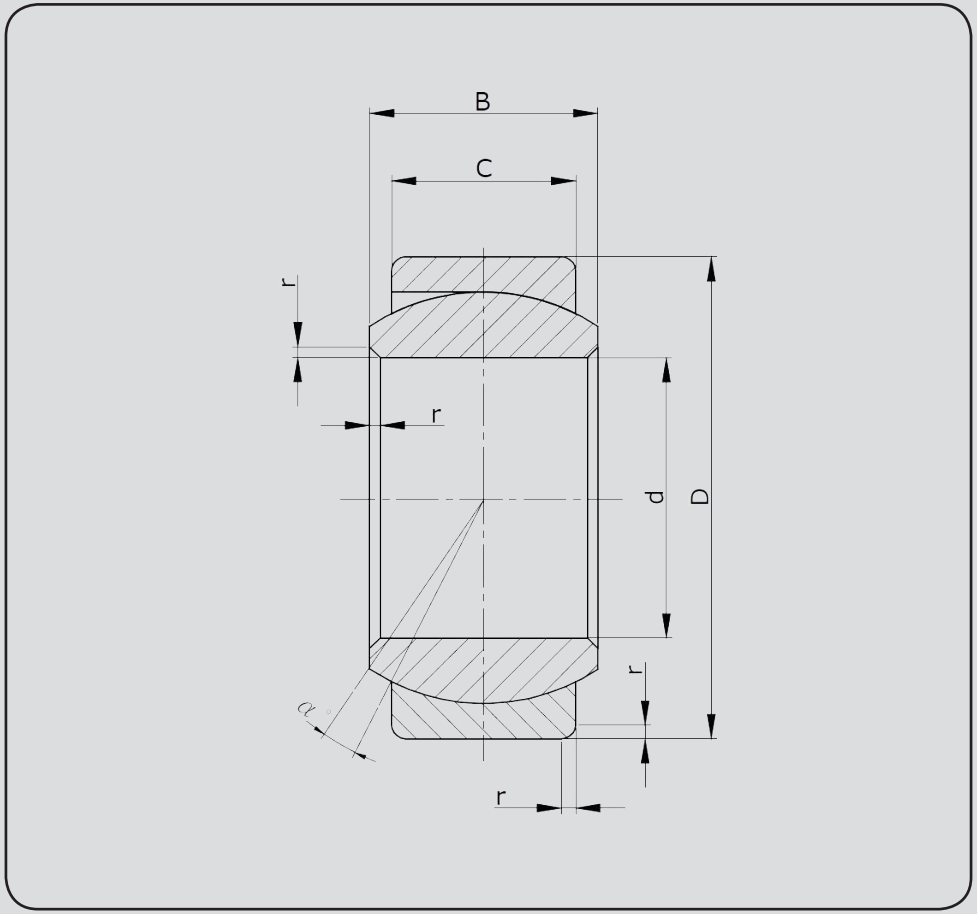



DESIGN OPTIONS:

| | | |
|---|---|---|
| 580… | (CS …) | - with spherical side, outer ring, inner and outer rings of equal latitude |

**580… (CS …)**

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width of the inner ring (B, мм) | | Width of the outer ring (C,мм) | Weight (m, kg | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | Barrel |
|---|---|---|---|---|---|---|---|---|---|---|
| 580200 | CS 200LLU | 10 | 30 | 9 | | 9 | 0,03 | 3,95 | 2,25 | - |
| 580201 | CS 201LLU | 12 | 32 | 10 | | 10 | 0,04 | 4,7 | 2,64 | - |
| 580202 | CS 202LLU | 15 | 35 | 11 | | 11 | 0,04 | 5,95 | 3,45 | - |
| 580203 | CS 203LLU | 17 | 40 | 12 | | 12 | 0,06 | 7,4 | 4,4 | - |
| 580204 | CS 204LLU | 20 | 47 | 14 | | 14 | 0,1 | 9,9 | 6,25 | - |
| 580205 | CS 205LLU | 25 | 52 | 15 | | 15 | 0,13 | 10,8 | 7,15 | - |
| 580206 | CS 206LLU | 30 | 62 | 16 | | 16 | 0,2 | 15 | 10,3 | - |
| 1580206 | - | 30 | 62 | 18 | | 18 | 0,225 | 15 | 11,2 | - |
| 580207 | CS 207LLU | 35 | 72 | 17 | | 17 | 0,29 | 19,7 | 14 | - |
| 1580207 | - | 35 | 72 | 20 | | 20 | 0,316 | 19,6 | 15,3 | - |
| 580209 | CS 208LLU | 40 | 80 | 18 | | 18 | 0,37 | 22,4 | 16,2 | - |
| 1580209 | - | 45 | 85 | 21 | | 21 | 0,452 | 25 | 20,4 | - |
| 1580211 | - | 55 | 100 | 23 | | 23 | 0,646 | 33,5 | 29 | - |
| | | | | | | | | | | |
| 580305 | CS 305 | 25 | 62 | 17 | | 17 | 0,2 | 22,05 | 11,25 | - |
| 580306 | CS 306 | 30 | 72 | 19 | | 19 | 0,3 | 26,5 | 14,7 | - |
| 580307 | CS 307 | 35 | 80 | 21 | | 21 | 0,40 | 32,8 | 18,8 | - |
| 580308 | CS 308 | 40 | 90 | 23 | | 23 | 0,55 | 39,9 | 22,5 | - |
| 580309 | CS 309 | 45 | 100 | 25 | | 25 | 0,73 | 51,75 | 30,9 | - |
| 580310 | CS 310 | 50 | 110 | 27 | | 27 | 0,95 | 60,5 | 37,25 | - |




# HINGED BEARINGS

**FEATURES OF THE DESIGN** ..... 726

**DESIGNS** ..... 727

**TECHNICAL PARAMETERS** ..... 728

**HINGED OPEN BEARINGS** ..... 730

**HINGED CLOSED BEARINGS** ..... 742

Hinged bearings represent the design consisting of the internal and external races produced from steel ShH15, ShH15SG and having the spherical surfaces of slippage.

Hinged bearings are intended for perception of radial and axial heavy percussions or static loadings in movable or motionless joints of gears and cars.

**Hinged bearings are divided by design on:**

- releasable with grooves on an outer race and lands on a spherical surface of an inner race;
- releasable with two breaks of an outer race;
- one-piece with one technological break of an outer race.

For greasing of working area grooves with bores both on one of races, and on both races are provided in a design of bearings.

For protection from dirt hit hinged bearings can have bilateral seals.

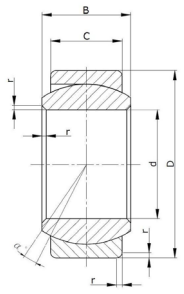
Designations of hinged bearings are given in Table 1.

## Designations of hinged bearings

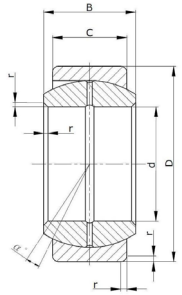
**Table 1.**

| ГОСТ | ISO | Рис.№ | Design features |
|---|---|---|---|
| Ш.. | (G..E) | 1 | Split bearing without bores and grooves for lubricant |
| ШС.. | (G..ESA) | 2 | Split bearing with grooves and bores for lubricant on an inner race |
| ШС..К | (G..ES) | 3 | Split bearing with grooves and bores for lubricant on internal and external races |
| ШП.. | (GE..E) | 4 | The bearing with one break on an outer race without grooves for lubricant |
| ШП..Т-2RS | (GE…TE-2RS) | 9 | The bearing with a break on an outer race closed from two sides, the surface of slippage – STEEL/TEFLON |
| ШП..UK-2RS | (GE…UK-2RS) | 9 | The bearing with a break on an outer race closed from two sides the surface of slippage – STEEL/TEFLON |
| ШСП.. | (GE..ESA) | 5 | The bearing with one break on an outer race with grooves for lubricant on an inner race |
| ШСП..К | (GE..ES) | 6 | The bearing with one break on an outer race with grooves and bores for lubricant on internal and external races |
| ШСП..К-2RS | (GE…ES-2RS) | 11 | The bearing with one break on an outer race with grooves and bores for lubricant on internal and external races with seal |
| | | | |
| ШСЛ.. | (GI..ESA) | 7 | The bearing with bores and a groove on an inner race and with two breaks of an outer race in the longitudinal direction |
| ШСЛ..К | (GI..ES) | 7 | The bearing with bores and a groove on internal and external races and with two breaks of an outer race |
| GШСП.. | (GEH..ESA) | 5 | The bearing with bores and a groove on an inner race and with one break of an outer race in the longitudinal direction of the dimensional G series |
| GШСП..К | (GEH..ES) | 6 | The bearing with bores and grooves on internal and external races and with one break of an outer race in the longitudinal direction of the dimensional G series |
| GШСЛ.. | (GIH..ESA) | 7 | The bearing with bores and grooves on external and internal races and with two breaks of an outer race in the longitudinal direction of the dimensional G series |
| GШСЛ..К | (GIH..ES) | 7 | The bearing with bores and grooves on external and internal races and with two breaks of an outer race in the longitudinal direction of the dimensional G series |
| СШСП.. | (GEC..ESA) | 5 | The bearing with bores and grooves on an inner race and one break of an outer race of the dimensional C series |
| ШСШ..К | (GEG..ES) | 8 | The bearing with bores and grooves on external and internal races with the WIDE inner race |
| ШЛТ..Т-2RS | (GE…TA-2RS) | 10 | The bearing with two breaks of an outer race closed from two sides, the surface of slippage – STEEL/TEFLON |
| ШЛТ… | | 12 | The bearing with two breaks of an outer race, the surface of slippage – STEEL/COMPOSITE |

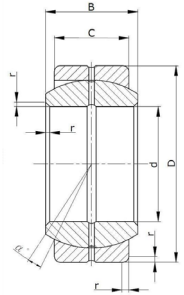
**design:**



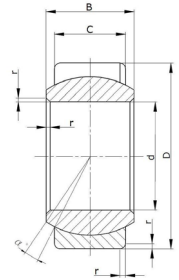
**Dis.1**



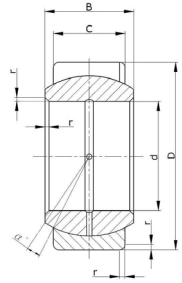
**Dis.2**



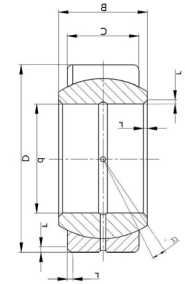
**Dis.3**



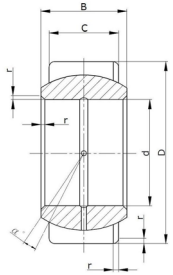
**Dis.4**



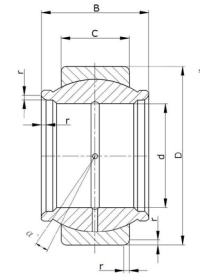
**Dis.5**



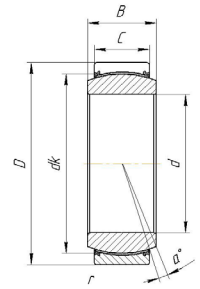
**Dis.6**



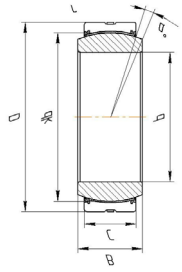
**Dis.7**



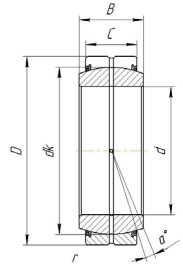
**Dis.8**



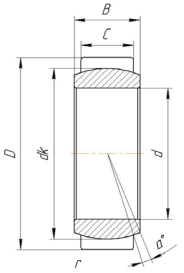
**Dis.9**



**Dis.10**



**Dis.11**



**Dis.12**

**For hinged bearings there are two degrees of accuracy “I” and “II”.**
The second isn’t specified.

## FIRST DEGREE OF ACCURACY
### Inner races

| Nominal diameter d, мм | | Maximum deviations of average hole size, micron Δd mp | | Inconstancy of hole size, micron Vdp | Inconstancy of average hole size, micron Vd mp | Maximum deviations of width, micron ΔBs | |
|---|---|---|---|---|---|---|---|
| Over | before | Top | Lower | Max | Max | Top | Lower |
| 4 | 10 | 0 | -8 | 8 | 6 | 0 | -120 |
| 10 | 18 | | -8 | 8 | 6 | | -120 |
| 18 | 30 | | -10 | 10 | 8 | | -120 |
| 30 | 50 | | -12 | 12 | 9 | | -120 |
| 50 | 80 | | -15 | 15 | 11 | | -150 |
| 80 | 120 | | -20 | 20 | 15 | | -200 |
| 120 | 150 | | -25 | 25 | 19 | | -250 |
| 150 | 180 | | -25 | 25 | 19 | | -250 |

## FIRST DEGREE OF ACCURACY
### Outer races

| Nominal diameter D, мм | | Maximum deviations of average outer surface size, micron ΔD mp | | Inconstancy of outer surface size, мкм VDp | Inconstancy of average outer surface size, micron VD mp | Maximum deviations of width, micron ΔCs | |
|---|---|---|---|---|---|---|---|
| Over | Before | Top | Lower | Max | Max | Top | Lower |
| 12 | 18 | 0 | -8 | 10 | 6 | 0 | -120 |
| 18 | 30 | | -9 | 12 | 7 | | -120 |
| 30 | 50 | | -11 | 15 | 8 | | -120 |
| 50 | 80 | | -13 | 17 | 10 | | -150 |
| 80 | 120 | | -15 | 20 | 11 | | -200 |
| 120 | 150 | | -18 | 24 | 14 | | -250 |
| 150 | 180 | | -25 | 33 | 19 | | -250 |
| 180 | 250 | | -30 | 40 | 23 | | -600 |

## SECOND DEGREE OF ACCURACY
### Inner races

| Nominal diameter d, мм | | Maximum deviations of hole size, micron | | Maximum deviations of width, micron | |
|---|---|---|---|---|---|
| | | d | | ΔB | |
| Over | Before | Top | Over | Top | Lower |
| - | 6 | +9 | -9 | 0 | -200 |
| 6 | 10 | +12 | -10 | | |
| 10 | 18 | +15 | -12 | | |
| 18 | 30 | +20 | -13 | | |
| 30 | 50 | +24 | -15 | | |
| 50 | 80 | +28 | -18 | | |
| 80 | 120 | +34 | -20 | | -400 |

## SECOND DEGREE OF ACCURACY
### Outer races

| Nominal diameter D, мм | | Maximum deviations of hole size, micron | | Maximum deviations of width, micron | |
|---|---|---|---|---|---|
| | | D | | ΔCs | |
| Over | To | Top | Over | Top | Lower |
| - | 18 | 0 | -12 | 0 | -200 |
| 18 | 30 | | -14 | | |
| 30 | 50 | | -17 | | |
| 50 | 80 | | -20 | | |
| 80 | 120 | | -23 | | |
| 120 | 150 | | -27 | | |
| 150 | 180 | | -30 | | -400 |

Hardness of split races and one-piece bearings from steel has to be 59-65 HRC.
Hardness of outer races of bearings with one socket has to be 56-60 HRC.
Heterogeneity of hardness of races shouldn’t exceed 4 units

### Value of roughness parameters Ra of bearing ring surfaces:

| Name of the surface | | The parameters of roughness Ra Mm no more |
|---|---|---|
| Landing surface | **Outer races** | При D ≤ 80 мм 0,63 |
| | | При D > 80 мм 1,25 |
| | **Inner races** | 1,25 |
| The surface ends | **Outer races** | 1,25 |
| | **Inner races** | 1,25 |

### Parameters of roughness of spherical surfaces of rings:

| Name of detail | Nominal diameter d (D), мм | The parameters of roughness Ra Mm no more for bearings | | |
|---|---|---|---|---|
| | | with one rupture of the outer ring | | with two rupture of the outer ring |
| | | without cover | with cover | |
| Inner race | To 120 incl. | 0,32 | 0,63 | 0,32 |
| | over 120 to 180 | 0,32 | 1,25 | 0,32 |
| | ″ 180 ″ 250 | 0,32 | 2,5 | 0,32 |
| Outer race | To 80 incl. | 0,63 | 0,63 | 0,63 |
| | over 80 to 180 | 0,63 | 1,25 | 0,63 |
| | ″ 180 ″ 250 | 1,25 | 2,5 | 0,63 |

**For hinged bearings the following main dimensional series are established**«E»; «7»; «2»; «G»; «C»,
and also special series: «3»; «5»; «6»; «8»; «9».
Bearings with unrationed sizes are marked with a letter
The index of a dimensional series is specified before the main designation (the index 7 isn’t specified).

### ADDITIONAL DESIGNATIONS, TO THE RIGHT OF THE PRIMARY

| Symbol | Encoded indicator |
|---|---|
| Б | One or two races from bronze |
| Е | One or two races from polymeric material |
| И | The surface of slippage is covered with a molybdenum disulfide |
| К | Groove and bore for lubricant on internal and external races |
| К1 | Groove and bore for lubricant on internal and external races |
| Л | One or two races from brass |
| Р | One or two races from heatresistant steel |
| Т | Steady temperature |
| У | The reduced internal axial clearance |
| Ю | One or two races from noncorrosive steel |

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width of the inner ring (B, мм) | | Width of the outer ring (C,мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | α, no more degrees. |
|---|---|---|---|---|---|---|---|---|---|---|
| Ш 4 | G 4E | 4 | 12 | 5 | | 3 | 0,003 | 2,4 | 10,2 | 16 |
| Ш 5 | G 5E | 5 | 14 | 6 | | 4 | 0,005 | 3,4 | 17 | 13 |
| Ш 6 | G 6E | 6 | 14 | 6 | | 4 | 0,005 | 3,4 | 17 | 13 |
| Ш 8 | - | 8 | 17 | 8 | | 5 | 0,008 | - | - | 15 |
| ЕШ 8 | G 8E | 8 | 16 | 8 | | 5 | 0,008 | 5,5 | 27,5 | 15 |
| Ш 10 | - | 10 | 20 | 9 | | 6 | 0,012 | - | - | 12 |
| ЕШ 10 | G 10E | 10 | 19 | 9 | | 6 | 0,012 | 8,15 | 40,5 | 12 |
| Ш 12 | G 12E | 12 | 22 | 10 | | 7 | 0,016 | 10,8 | 54 | 11 |
| Ш 15 | - | 15 | 28 | 12 | | 8 | 0,035 | - | - | 11 |
| ЕШ 15 | G 15E | 15 | 26 | 12 | | 9 | 0,035 | 17 | 85 | 8 |
| Ш 17 | - | 17 | 32 | 14 | | 10 | 0,048 | - | - | 10 |
| ЕШ 17 | G 17E | 17 | 30 | 14 | | 10 | 0,048 | 21,2 | 106 | 10 |
| Ш 20 | G 20E | 20 | 35 | 16 | | 12 | 0,065 | 30 | 146 | 9 |
| Ш 25 | G 25E | 25 | 42 | 20 | | 16 | 0,115 | 48 | 240 | 7 |
| Ш 30 | G 30E | 30 | 47 | 22 | | 18 | 0,158 | 62 | 310 | 6 |
| Ш 35 | - | 35 | 55 | 26 | | 21 | 0,236 | - | - | 7 |
| ЕШ 35 | G 35E | 35 | 55 | 25 | | 20 | 0,236 | 80 | 400 | 6 |
| Ш 40 | G 40E | 40 | 62 | 28 | | 22 | 0,33 | 100 | 500 | 7 |
| Ш45 | - | 45 | 70 | 32 | | 25 | 0,46 | 127 | 640 | 7 |
| ЕШ 45 | G 45E | 45 | 68 | 32 | | 25 | 0,43 | 127 | 640 | 7 |
| Ш 50 | G 50E | 50 | 75 | 35 | | 28 | 0,56 | 156 | 780 | 6 |
| Ш 55 | G 55E | 55 | 85 | 40 | | 32 | 0,88 | - | - | 7 |
| Ш 60 | - | 60 | 90 | 44 | | 34 | 0,98 | 245 | 1220 | 6 |
| ЕШ 60 | G 60E | 60 | 90 | 44 | | 36 | 1,1 | 245 | 1220 | 6 |
| Ш 70 | G 70E | 70 | 105 | 49 | | 40 | 1,59 | 315 | 1560 | 6 |
| Ш 80 | - | 80 | 120 | 76 | | 70 | 3,78 | 400 | 2000 | 6 |
| ЕШ 80 | G 80E | 80 | 120 | 55 | | 45 | 2,33 | 400 | 2000 | 6 |
| Ш 90 | G 90E | 90 | 130 | 60 | | 50 | 2,82 | 490 | 2450 | 5 |
| Ш 100 | G 100E | 100 | 150 | 70 | | 55 | 4,48 | 610 | 3050 | 7 |
| Ш 110 | G 110E | 110 | 160 | 70 | | 55 | 4,9 | 655 | 3250 | 6 |
| Ш 120 | G 120E | 120 | 180 | 85 | | 70 | 8,19 | 950 | 4750 | 6 |
| Ш 140 | G 140E | 140 | 210 | 90 | | 70 | 11,12 | 1080 | 5400 | 7 |
| Ш 160 | G 160E | 160 | 230 | 105 | | 80 | 14,06 | 1370 | 6800 | 8 |
| Ш 180 | G 180E | 180 | 260 | 105 | | 80 | 18,6 | 1530 | 7650 | 6 |
| Ш 200 | G 200E | 200 | 290 | 130 | | 100 | 27,9 | 2120 | 10600 | 7 |
| Ш 220 | G 220E | 220 | 320 | 135 | | 100 | 35,6 | 2320 | 11600 | 8 |
| Ш 240 | G 240E | 240 | 340 | 140 | | 100 | 39,92 | 2550 | 12700 | 8 |
| Ш 260 | G 260E | 260 | 370 | 150 | | 110 | 52,16 | 3050 | 15300 | 7 |
| Ш 280 | G 280E | 280 | 400 | 155 | | 120 | 65,8 | 3550 | 18000 | 6 |
| Ш 300 | G 300E | 300 | 430 | 165 | | 120 | 79,4 | 3800 | 19000 | 7 |
| | | | | | | | | | | |
| ШС 4 | G 4ESA | 4 | 12 | 5 | | 3 | 0,003 | 2,4 | 10,2 | 16 |
| ШС 5 | G 5ESA | 5 | 14 | 6 | | 4 | 0,005 | 3,4 | 17 | 13 |
| ШС 6 | G 6ESA | 6 | 14 | 6 | | 4 | 0,005 | 3,4 | 17 | 13 |
| ШС 8 | - | 8 | 17 | 8 | | 5 | 0,008 | - | - | 15 |
| ЕШС 8 | G 8ESA | 8 | 16 | 8 | | 5 | 0,008 | 5,5 | 27,5 | 15 |

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width of the inner ring (B, мм) | | Width of the outer ring (C,мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | α, no more degrees. |
|---|---|---|---|---|---|---|---|---|---|---|
| ШС 10 | - | 10 | 20 | 9 | | 6 | 0,012 | - | - | 12 |
| ЕШС 10 | G 10ESA | 10 | 19 | 9 | | 6 | 0,012 | 8,15 | 40,5 | 12 |
| ШС 12 | G 12ESA | 12 | 22 | 10 | | 7 | 0,016 | 10,8 | 54 | 11 |
| ШС 15 | - | 15 | 28 | 12 | | 8 | 0,035 | - | - | 11 |
| ЕШС 15 | G 15ESA | 15 | 26 | 12 | | 9 | 0,035 | 17 | 85 | 8 |
| ШС 17 | - | 17 | 32 | 14 | | 10 | 0,048 | - | - | 10 |
| ЕШС 17 | G 17ESA | 17 | 30 | 14 | | 10 | 0,048 | 21,2 | 106 | 10 |
| ШС 20 | G 20ESA | 20 | 35 | 16 | | 12 | 0,065 | 30 | 146 | 9 |
| ШС 25 | G 25ESA | 25 | 42 | 20 | | 16 | 0,115 | 48 | 240 | 7 |
| ШС 30 | G 30ESA | 30 | 47 | 22 | | 18 | 0,158 | 62 | 310 | 6 |
| ШС 35 | - | 35 | 55 | 26 | | 21 | 0,236 | - | - | 7 |
| ЕШС 35 | G 35ESA | 35 | 55 | 25 | | 20 | 0,236 | 80 | 400 | 6 |
| ШС 40 | G 40ESA | 40 | 62 | 28 | | 22 | 0,33 | 100 | 500 | 7 |
| ШС45 | - | 45 | 70 | 32 | | 25 | 0,46 | 127 | 640 | 7 |
| ЕШС 45 | G 45ESA | 45 | 68 | 32 | | 25 | 0,43 | 127 | 640 | 7 |
| ШС 50 | G 50ESA | 50 | 75 | 35 | | 28 | 0,56 | 156 | 780 | 6 |
| ШС 55 | G 55ESA | 55 | 85 | 40 | | 32 | 0,88 | - | - | 7 |
| ШС 60 | - | 60 | 90 | 44 | | 34 | 0,98 | 245 | 1220 | 6 |
| ЕШС 60 | G 60ESA | 60 | 90 | 44 | | 36 | 1,1 | 245 | 1220 | 6 |
| ШС 70 | G 70ESA | 70 | 105 | 49 | | 40 | 1,59 | 315 | 1560 | 6 |
| ШС 80 | G 80ESA | 80 | 120 | 76 | | 70 | 3,78 | 400 | 2000 | 6 |
| ШС 90 | G 90ESA | 80 | 120 | 55 | | 45 | 2,33 | 400 | 2000 | 6 |
| ШС 100 | G 100ESA | 90 | 130 | 60 | | 50 | 2,82 | 490 | 2450 | 5 |
| 8ШС 100 | - | 100 | 150 | 70 | | 55 | 4,48 | 610 | 3050 | 7 |
| ШС 110 | G 110ESA | 110 | 160 | 70 | | 55 | 4,9 | 655 | 3250 | 6 |
| 9ШС 110 | - | 110 | 150 | 40 | | 35 | 1,9 | 242,55 | 2310 | 2 |
| ШС 120 | G 120ESA | 120 | 180 | 85 | | 70 | 8,19 | 950 | 4750 | 6 |
| 9ШС130 | - | 130 | 180 | 50 | | 37 | 3,9 | 600 | 2500 | 7 |
| ШС 140 | G 140ESA | 140 | 210 | 90 | | 70 | 11,12 | 1080 | 5400 | 7 |
| ШС 160 | G 160ESA | 160 | 230 | 105 | | 80 | 14,06 | 1370 | 6800 | 8 |
| ШС 180 | G 180ESA | 180 | 260 | 105 | | 80 | 18,6 | 1530 | 7650 | 6 |
| ШС 200 | G 200ESA | 200 | 290 | 130 | | 100 | 27,9 | 2120 | 10600 | 7 |
| ШС 220 | G 220ESA | 220 | 320 | 135 | | 100 | 35,6 | 2320 | 11600 | 8 |
| ШС 240 | G 240ESA | 240 | 340 | 140 | | 100 | 39,92 | 2550 | 12700 | 8 |
| ШС 260 | G 260ESA | 260 | 370 | 150 | | 110 | 52,16 | 3050 | 15300 | 7 |
| ШС 280 | G 280ESA | 280 | 400 | 155 | | 120 | 65,8 | 3550 | 18000 | 6 |
| ШС 300 | G 300ESA | 300 | 430 | 165 | | 120 | 79,4 | 3800 | 19000 | 7 |
| | | | | | | | | | | |
| ШСП 4 | GE 4ESA | 4 | 12 | 5 | | 3 | 0,003 | 2,4 | 10,2 | 16 |
| ШСП 5 | GE 5ESA | 5 | 14 | 6 | | 4 | 0,005 | 3,4 | 17 | 13 |
| ШСП 6 | GE 6ESA | 6 | 14 | 6 | | 4 | 0,005 | 3,4 | 17 | 13 |
| ШСП 8 | - | 8 | 17 | 8 | | 5 | 0,008 | 5,5 | 27,5 | 15 |
| ЕШСП 8 | GE 8ESA | 8 | 16 | 8 | | 5 | 0,008 | 5,5 | 27,5 | 15 |
| ШСП 10 | - | 10 | 20 | 9 | | 6 | 0,012 | 8,15 | 40,5 | 12 |
| ЕШСП 10 | GE 10ESA | 10 | 19 | 9 | | 6 | 0,012 | 8,15 | 40,5 | 12 |
| ШСП 12 | GE 12ESA | 12 | 22 | 10 | | 7 | 0,016 | 10,8 | 54 | 11 |

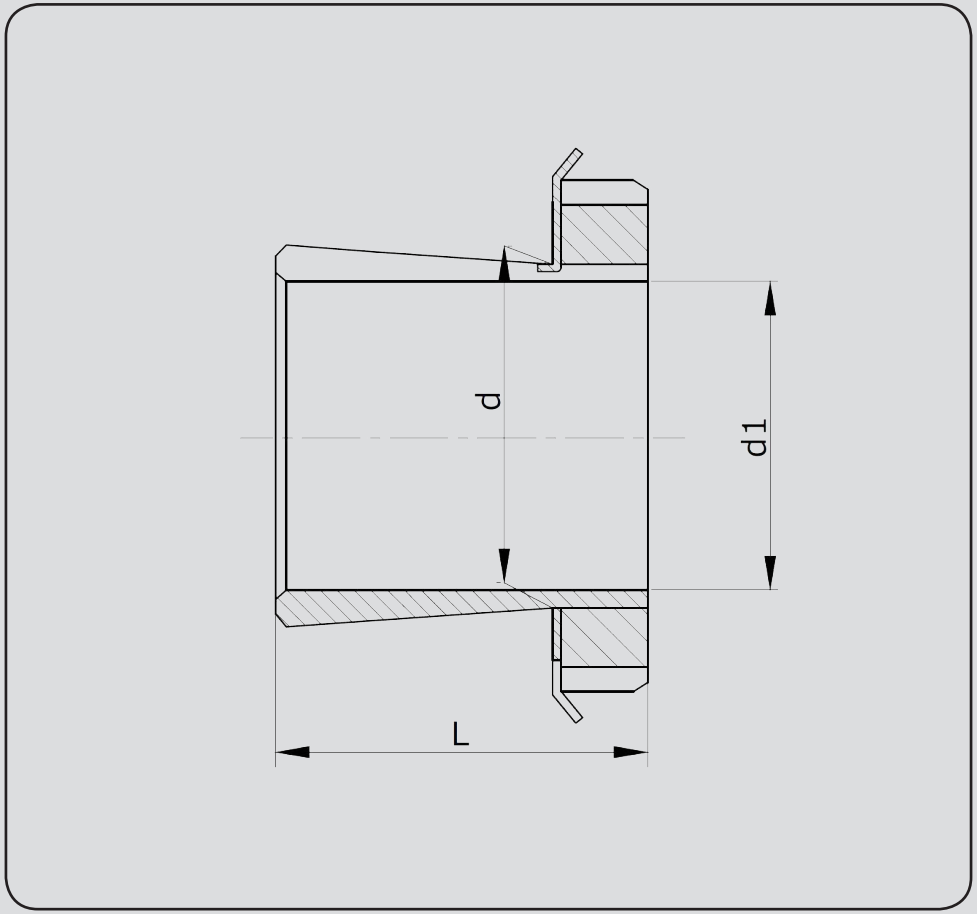
| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width of the inner ring (B, мм) | | Width of the outer ring (C,мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | α, no more degrees. |
|---|---|---|---|---|---|---|---|---|---|---|
| ШСП 15 | - | 15 | 28 | 12 | | 8 | 0,035 | 17 | 85 | 11 |
| ЕШСП 15 | GE 15ESA | 15 | 26 | 12 | | 9 | 0,035 | 17 | 85 | 8 |
| ШСП 17 | - | 17 | 32 | 14 | | 10 | 0,048 | 21,2 | 106 | 10 |
| ЕШСП 17 | GE 17ESA | 17 | 30 | 14 | | 10 | 0,048 | 21,2 | 106 | 10 |
| ШСП 20 | GE 20ESA | 20 | 35 | 16 | | 12 | 0,065 | 30 | 146 | 9 |
| ШСП 25 | GE 25ESA | 25 | 42 | 20 | | 16 | 0,115 | 48 | 240 | 7 |
| ШСП 30 | GE 30ESA | 30 | 47 | 22 | | 18 | 0,158 | 62 | 310 | 6 |
| ШСП 35 | - | 35 | 55 | 26 | | 21 | 0,236 | 80 | 400 | 7 |
| ЕШСП 35 | GE 35ESA | 35 | 55 | 25 | | 20 | 0,236 | 80 | 400 | 6 |
| ШСП 40 | GE 40ESA | 40 | 62 | 28 | | 22 | 0,33 | 100 | 500 | 7 |
| ШСП45 | - | 45 | 70 | 32 | | 25 | 0,46 | 127 | 640 | 7 |
| ЕШСП 45 | GE 45ESA | 45 | 68 | 32 | | 25 | 0,43 | 127 | 640 | 7 |
| ШСП 50 | GE 50ESA | 50 | 75 | 35 | | 28 | 0,56 | 156 | 780 | 6 |
| ШСП 60 | - | 60 | 90 | 44 | | 34 | 0,98 | 245 | 1220 | 6 |
| ЕШСП 60 | GE 60ESA | 60 | 90 | 44 | | 36 | 1,1 | 245 | 1220 | 6 |
| ШСП 70 | GE 70ESA | 70 | 105 | 49 | | 40 | 1,59 | 315 | 1560 | 6 |
| ШСП 80 | - | 80 | 120 | 76 | | 70 | 3,78 | 400 | 2000 | 6 |
| ЕШСП 80 | GE 80SA | 80 | 120 | 55 | | 45 | 2,33 | 400 | 2000 | 6 |
| ШСП 90 | GE 90ESA | 90 | 130 | 60 | | 50 | 2,82 | 490 | 2450 | 5 |
| ШСП 100 | GE 100ESA | 100 | 150 | 70 | | 55 | 4,4 | 610 | 3050 | 7 |
| ШСП 110 | GE 110ESA | 110 | 160 | 70 | | 55 | 4,8 | 655 | 3250 | 6 |
| ШСП 120 | GE 120ESA | 120 | 180 | 85 | | 70 | 8,19 | 950 | 4750 | 6 |
| ШСП 140 | GE 140ESA | 140 | 210 | 90 | | 70 | 11,12 | 1080 | 5400 | 7 |
| ШСП 160 | GE 160ESA | 160 | 230 | 105 | | 80 | 14,06 | 1370 | 6800 | 8 |
| ШСП 180 | GE 180ESA | 180 | 260 | 105 | | 80 | 18,6 | 1530 | 7650 | 6 |
| ШСП 200 | GE 200ESA | 200 | 290 | 130 | | 100 | 27,9 | 2120 | 10600 | 7 |
| ШСП 220 | GE 220ESA | 220 | 320 | 135 | | 100 | 35,6 | 2320 | 11600 | 8 |
| ШСП 240 | GE 240ESA | 240 | 340 | 140 | | 100 | 39,92 | 2550 | 12700 | 8 |
| ШСП 260 | GE 260ESA | 260 | 370 | 150 | | 110 | 52,16 | 3050 | 15300 | 7 |
| ШСП 280 | GE 280ESA | 280 | 400 | 155 | | 120 | 65,8 | 3550 | 18000 | 6 |
| ШСП 300 | GE 300ESA | 300 | 430 | 165 | | 120 | 79,4 | 3800 | 19000 | 7 |
| | | | | | | | | | | |
| GШСП 4 | GEH 4ES | 4 | 14 | 7 | | 4 | - | - | - | 20 |
| GШСП 5 | GEH 5ES | 5 | 16 | 9 | | 5 | - | - | - | 21 |
| GШСП 6 | GEH 6ES | 6 | 16 | 9 | | 5 | - | - | - | 21 |
| GШСП 8 | GEH 8ES | 8 | 19 | 11 | | 6 | - | - | - | 21 |
| GШСП 10 | GEH 10ES | 10 | 22 | 12 | | 7 | - | - | - | 18 |
| GШСП 12 | GEH 12ES | 12 | 26 | 25 | | 9 | - | - | - | 18 |
| GШСП14 | GEH 14ES | 14 | 30 | 16 | | 10 | - | - | - | 16 |
| GШСП 15 | GEH 15ES | 15 | 30 | 16 | | 10 | - | - | - | 16 |
| GШСП 16 | GEH 16ES | 16 | 35 | 20 | | 12 | - | - | - | 19 |
| GШСП 17 | GEH 17ES | 17 | 35 | 20 | | 12 | - | - | - | 19 |
| GШСП 20 | GEH 20ES | 20 | 42 | 25 | | 16 | 0,16 | 48 | 240 | 17 |
| GШСП 24 | GEH 24ES | 24 | 47 | 28 | | 18 | 0,19 | 54 | 280 | 17 |
| GШСП 25 | GEH 25ES | 25 | 47 | 28 | | 18 | 0,2 | 62 | 310 | 17 |
| GШСП 30 | GEH 30ES | 30 | 55 | 32 | | 20 | 0,35 | 80 | 400 | 17 |

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width of the inner ring (B, мм) | | Width of the outer ring (C,мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | α, no more degrees. |
|---|---|---|---|---|---|---|---|---|---|---|
| GШСП 35 | GEH 35ES | 35 | 62 | 35 | | 22 | 0,47 | 100 | 500 | 15 |
| GШСП 40 | GEH 40ES | 40 | 68 | 40 | | 25 | 0,61 | 127 | 640 | 17 |
| GШСП45 | GEH 45ES | 45 | 75 | 43 | | 28 | 0,8 | 156 | 780 | 14 |
| GШСП 50 | GEH 50ES | 50 | 90 | 56 | | 36 | 1,6 | 245 | 1220 | 17 |
| GШСП 60 | GEH 60ES | 60 | 105 | 63 | | 40 | 2,4 | 315 | 1560 | 17 |
| GШСП 70 | GEH 70ES | 70 | 120 | 70 | | 45 | 3,4 | 400 | 2000 | 16 |
| GШСП 80 | GEH 80ES | 80 | 130 | 75 | | 50 | 4,1 | 490 | 2450 | 14 |
| GШСП 90 | GEH 90ES | 90 | 150 | 85 | | 55 | 6,3 | 610 | 3050 | 15 |
| GШСП 100 | GEH 100ES | 100 | 160 | 85 | | 55 | 6,8 | 655 | 3250 | 14 |
| GШСП 110 | GEH 110ES | 110 | 180 | 100 | | 70 | 11 | 950 | 4750 | 12 |
| GШСП 120 | GEH 120ES | 120 | 210 | 115 | | 70 | 15 | 1080 | 5400 | 16 |
| GШСП 140 | GEH 140-ES | 140 | 230 | 130 | | 80 | - | - | - | 16 |
| GШСП 160 | GEH 160ES | 160 | 260 | 135 | | 80 | - | - | - | 16 |
| GШСП 180 | GEH 180ES | 180 | 290 | 155 | | 100 | - | - | - | 14 |
| GШСП 200 | GEH 200ES | 200 | 320 | 165 | | 100 | - | - | - | 15 |
| GШСП 220 | GEH 220ES | 220 | 340 | 175 | | 100 | - | - | - | 16 |
| GШСП 240 | GEH 240ES | 240 | 370 | 190 | | 110 | - | - | - | 15 |
| GШСП 260 | GEH 260ES | 260 | 400 | 205 | | 120 | - | - | - | 15 |
| GШСП 280 | GEH 280ES | 280 | 430 | 210 | | 120 | - | - | - | 15 |
| | | | | | | | | | | |
| 2Ш 10 | - | 10 | 30 | 14 | | 10 | 0,052 | 11,3 | 107,9 | 11 |
| 2Ш 12 | - | 12 | 32 | 16 | | 12 | 0,065 | 14,83 | 141,2 | 11 |
| 2Ш15 | - | 15 | 35 | 18 | | 14 | 0,082 | 19,4 | 184 | 11 |
| 2Ш 17 | - | 17 | 40 | 21 | | 14 | 0,148 | 22,4 | 221,6 | 15 |
| 2Ш 20 | - | 20 | 47 | 26 | | 15 | 0,192 | 27 | 256,9 | 22 |
| 2Ш 25 | - | 25 | 52 | 28 | | 15 | 0,262 | 31 | 294,2 | 22 |
| | | | | | | | | | | |
| 2ШС 10 | - | 10 | 30 | 14 | | 10 | 0,052 | 11,3 | 107,9 | 12 |
| 2ШС 12 | - | 12 | 32 | 16 | | 12 | 0,065 | 14,83 | 141,2 | 11 |
| 2ШС15 | - | 15 | 35 | 18 | | 14 | 0,082 | 19,4 | 184 | 11 |
| 2ШС 17 | - | 17 | 40 | 21 | | 14 | 0,148 | 22,4 | 221,6 | 15 |
| 2ШС 20 | - | 20 | 47 | 26 | | 15 | 0,192 | 27 | 256,9 | 22 |
| 2ШС 25 | - | 25 | 52 | 28 | | 15 | 0,262 | 31 | 294,2 | 22 |
| | | | | | | | | | | |
| ШСЛ 60 | - | 60 | 90 | 44 | | 34 | 0,98 | 236 | 1180 | 6 |
| ЕШСЛ 60 | GI 60ESA | 60 | 90 | 44 | | 36 | 1,1 | 217 | 1085 | 6 |
| 6ШСЛ 60 | - | 60 | 130 | 85 | | 70 | 6,02 | 693 | 3463 | 20 |
| ШСЛ 70 | GI 70ESA | 70 | 105 | 49 | | 40 | 1,59 | 315 | 1560 | 6 |
| ШСЛ 80 | - | 80 | 125 | 76 | | 70 | 3,78 | 678 | 3400 | 6 |
| ЕШСЛ 80 | GI 80ESA | 80 | 120 | 55 | | 45 | 2,3 | 380 | 2100 | 6 |
| ШСЛ 90 | GI 90ESA | 90 | 130 | 60 | | 50 | 2,8 | 490 | 2450 | 5 |
| ШСЛ 100 | GI 100ESA | 100 | 150 | 70 | | 55 | 5,12 | 610 | 3050 | 7 |
| ШСЛ 110 | GI 110ESA | 110 | 160 | 70 | | 55 | 4,9 | 655 | 3250 | 6 |
| ШСЛ 120 | GI 120ESA | 120 | 180 | 85 | | 70 | 8,1 | 950 | 4750 | 6 |
| ШСЛ 130 | GI 130ESA | 130 | 200 | 95 | | 52 | 8,93 | 821 | 4105 | 16 |
| | | | | | | | | | | |

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width of the inner ring (B, мм) | | Width of the outer ring (C,мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | α, no more degrees. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2ШСЛ 50 | - | 50 | 90 | 54 | | 28 | 1,31 | - | - | - |
| 2ШСЛ 60 | - | 60 | 110 | 60 | | 34 | 2,184 | 279 | 1398 | 19 |
| 2ШСЛ 70 | - | 70 | 125 | 70 | | 35 | 2,41 | 330 | 1653 | 22 |
| 2ШСЛ 80 | - | 80 | 140 | 76 | | 28 | 2,85 | 440 | 2120 | 16 |
| 2ШСЛ 90 | - | 90 | 160 | 80 | | 50 | 6,1 | 597 | 2985 | 15 |
| 2ШСЛ 100 | - | 100 | 180 | 115 | | 70 | 11,5 | 1040 | 5200 | 20 |
| 2ШСЛ 120 | - | 120 | 215 | 130 | | 90 | 19,7 | 1576 | 7880 | 14 |
| 2ШСЛ 150 | - | 150 | 270 | 160 | | 110 | 37,41 | 2361 | 11805 | 15 |
| | | | | | | | | | | |
| ШСШ 12 | GEG 12ES | 12 | 22 | 12 | | 7 | 0,02 | 10,8 | 54 | 4 |
| ШСШ 16 | GEG 16ES | 16 | 28 | 16 | | 9 | 0,035 | 17,6 | 88 | 4 |
| ШСШ 20 | GEG 20ES | 20 | 35 | 20 | | 12 | 0,07 | 30 | 146 | 4 |
| ШСШ 25 | GEG 25ES | 25 | 42 | 25 | | 16 | 0,13 | 48 | 240 | 4 |
| ШСШ 30 | GEG 30ES | 30 | 47 | 30 | | 18 | 0,17 | 62 | 310 | 4 |
| ШСШ 32 | GEG 32ES | 32 | 52 | 32 | | 18 | 0,2 | 65,5 | 325 | 4 |
| ШСШ 35 | GEG 35ES | 35 | 55 | 35 | | 20 | 0,25 | 80 | 400 | 4 |
| ШСШ 40 | GEG 40ES | 40 | 62 | 38 | | 22 | 0,34 | 100 | 500 | 4 |
| ШСШ 45 | GEG 45ES | 45 | 68 | 40 | | 25 | 0,49 | 125 | 640 | 4 |
| ШСШ 50 | GEG 50ES | 50 | 75 | 43 | | 28 | 0,56 | 156 | 780 | 4 |
| ШСШ 60 | GEG 60ES | 60 | 90 | 54 | | 36 | 1,15 | 245 | 1220 | 4 |
| ШСШ 63 | GEG 63ES | 63 | 95 | 63 | | 36 | 1,2 | 255 | 1270 | 4 |
| ШСШ 70 | GEG 70ES | 70 | 105 | 65 | | 40 | 1,7 | 315 | 1560 | 4 |
| ШСШ 80 | GEG 80ES | 80 | 120 | 74 | | 45 | 2,5 | 400 | 2000 | 4 |
| ШСШ 90 | GEG 90ES | 90 | 130 | 90 | | 50 | 3,2 | - | - | 4 |
| ШСШ 100 | GEG 100ES | 100 | 150 | 100 | | 55 | 4,8 | 610 | 3050 | 4 |
| ШСШ 110 | GEG 110ES | 110 | 160 | 110 | | 55 | 5,8 | - | - | 4 |
| ШСШ 125 | GEG 125ES | 125 | 180 | 125 | | 70 | 8,5 | 950 | 4750 | 4 |
| ШСШ 160 | GEG 160ES | 160 | 230 | 160 | | 80 | 16,5 | 1370 | 6800 | 4 |
| ШСШ 200 | GEG 200ES | 200 | 290 | 200 | | 100 | 32 | 2120 | 10600 | 4 |
| ШСШ 250 | GEG 250ES | 250 | 400 | 250 | | 120 | 99 | - | - | 4 |
| ШСШ 320 | GEG 320ES | 320 | 520 | 320 | | 160 | 240 | - | - | 4 |
| | | | | | | | | | | |
| СШСП 320 | GE 320ES | 320 | 440 | 160 | | 135 | 73 | 2800 | 4150 | 3 |
| СШСП 340 | GE 340ES | 340 | 460 | 160 | | 135 | 77 | 2900 | 4400 | 3 |
| СШСП 360 | GE 360ES | 360 | 480 | 160 | | 135 | 80 | 3100 | 4650 | 3 |
| СШСП 380 | GE 380ES | 380 | 520 | 190 | | 160 | 120 | 3900 | 5850 | 3 |
| СШСП 400 | GE 400ES | 400 | 540 | 190 | | 160 | 125 | 4050 | 6100 | 3 |
| СШСП 420 | GE 420ES | 420 | 560 | 190 | | 160 | 130 | 4250 | 6400 | 3 |
| СШСП 440 | GE 440ES | 440 | 600 | 218 | | 185 | 180 | 5200 | 7800 | 3 |
| СШСП 460 | GE 460ES | 460 | 620 | 218 | | 185 | 190 | 5400 | 8150 | 3 |
| СШСП 480 | GE 480ES | 480 | 650 | 230 | | 195 | 220 | 6000 | 9000 | 3 |
| СШСП 500 | GE 500ES | 500 | 670 | 230 | | 195 | 230 | 6200 | 9300 | 3 |
| СШСП 530 | GE 530 ES | 530 | 710 | 243 | | 205 | 270 | 6950 | 10400 | 3 |
| СШСП 560 | GE 560ES | 560 | 750 | 258 | | 215 | 320 | 7650 | 11400 | 3 |
| СШСП 600 | GE 600ES | 600 | 800 | 272 | | 230 | 385 | 8800 | 13200 | 3 |
| СШСП 630 | GE 630ES | 630 | 850 | 300 | | 260 | 495 | 10400 | 15600 | 3 |

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width of the inner ring (B, мм) | | Width of the outer ring (C,мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | α, no more degrees. |
|---|---|---|---|---|---|---|---|---|---|---|
| СШСП 670 | GE 670ES | 670 | 900 | 308 | | 260 | 560 | 11000 | 16600 | 3 |
| СШСП 710 | GE 710ES | 710 | 950 | 325 | | 275 | 655 | 12500 | 18600 | 3 |
| СШСП 750 | GE 750ES | 750 | 1000 | 335 | | 280 | 735 | 13400 | 20000 | 3 |
| СШСП 800 | GE 800ES | 800 | 1060 | 355 | | 300 | 865 | 15300 | 22800 | 3 |
| СШСП 850 | GE 850ES | 850 | 1120 | 365 | | 310 | 980 | 16600 | 25000 | 3 |
| СШСП 900 | GE 900ES | 900 | 1180 | 375 | | 320 | 1100 | 18300 | 27500 | 3 |
| СШСП 950 | GE 950ES | 950 | 1250 | 400 | | 340 | 1350 | 20400 | 30500 | 3 |
| СШСП 1000 | GE 1000ES | 1000 | 1320 | 438 | | 370 | 1650 | 23200 | 35500 | 3 |
| СШСП 1060 | GE 1060ES | 1060 | 1400 | 462 | | 390 | 1950 | 26500 | 40000 | 3 |
| СШСП 1120 | GE 1120ES | 1120 | 1460 | 462 | | 390 | 2050 | 28000 | 41500 | 3 |
| СШСП 1180 | GE 1180ES | 1180 | 1630 | 488 | | 410 | 2400 | 31000 | 46500 | 3 |
| СШСП 1250 | GE 1250ES | 1250 | 1630 | 515 | | 435 | 2850 | 34500 | 52000 | 3 |

| GOST designation | ISO designation | Diameter of bore (d, мм) | Outer diameter (D, мм) | Width of the inner ring (B, мм) | | Width of the outer ring (C,мм) | Weight (m, kg) | Loading capacity dynamic (C, kH) | Loading capacity static (Co, kH) | α, no more degrees. |
|---|---|---|---|---|---|---|---|---|---|---|
| ШП 25Т-2RS | GE 25UK-2RS | 25 | 42 | 20 | | 16 | 0,12 | 68 | 137 | 7 |
| ШП 30Т-2RS | GE 30UK-2RS | 30 | 47 | 22 | | 18 | 0,16 | 88 | 176 | 6 |
| ШП 35Т-2RS | GE 35UK-2RS | 35 | 55 | 25 | | 20 | 0,23 | 112 | 224 | 6 |
| ШП 40Т-2RS | GE40 UK-2RS | 40 | 62 | 28 | | 22 | 0,32 | 140 | 280 | 6 |
| ШП 45Т-2RS | GE 45UK-2RS | 45 | 68 | 32 | | 25 | 0,46 | 180 | 360 | 7 |
| ШП 50Т-2RS | GE 50UK-2RS | 50 | 75 | 35 | | 28 | 0,56 | 220 | 440 | 6 |
| ШП 60Т-2RS | GE 60UK-2RS | 60 | 90 | 44 | | 36 | 1,1 | 345 | 695 | 6 |
| ШП 70Т-2RS | GE 70UK-2RS | 70 | 105 | 49 | | 40 | 1,55 | 440 | 880 | 6 |
| ШП 80Т-2RS | GE 80UK-2RS | 80 | 120 | 55 | | 45 | 2,3 | 570 | 1140 | 5 |
| ШП 90Т-2RS | GE 90UK-2RS | 90 | 130 | 60 | | 50 | 2,75 | 695 | 1370 | 5 |
| | | | | | | | | | | |
| ШЛТ 100Т-2RS | GE 100UK-2RS | 100 | 150 | 70 | | 55 | 4,4 | 865 | 1730 | 6 |
| ШЛТ 110Т-2RS | GE 110UK-2RS | 110 | 160 | 70 | | 55 | 4,8 | 930 | 1860 | 6 |
| ШЛТ 120Т-2RS | GE 120UK-2RS | 120 | 180 | 85 | | 70 | 8,25 | 1340 | 2700 | 6 |
| ШЛТ 140Т-2RS | GE 140UK-2RS | 140 | 210 | 90 | | 70 | 11 | 1500 | 3000 | 7 |
| ШЛТ 160Т-2RS | GE 160UK-2RS | 160 | 230 | 105 | | 80 | 14 | 1930 | 3800 | 8 |
| ШЛТ 180Т-2RS | GE 180UK-2RS | 180 | 260 | 105 | | 80 | 18,5 | 2160 | 4300 | 6 |
| ШЛТ 200Т-2RS | GE 200UK-2RS | 200 | 290 | 130 | | 100 | 28 | 3000 | 6000 | 7 |
| ШЛТ 220Т-2RS | GE 220UK-2RS | 220 | 320 | 135 | | 100 | 35,5 | 3350 | 6550 | 8 |
| ШЛТ 240Т-2RS | GE 240UK-2RS | 240 | 340 | 140 | | 100 | 40 | 3600 | 7200 | 8 |
| ШЛТ 260Т-2RS | GE 260UK-2RS | 260 | 370 | 150 | | 110 | 51,5 | 4300 | 8650 | 7 |
| ШЛТ 280Т-2RS | GE 280UK-2RS | 280 | 400 | 155 | | 120 | 65 | 5000 | 10000 | 6 |
| ШЛТ 300Т-2RS | GE 300UK-2RS | 300 | 430 | 165 | | 120 | 78,5 | 5400 | 10800 | 7 |





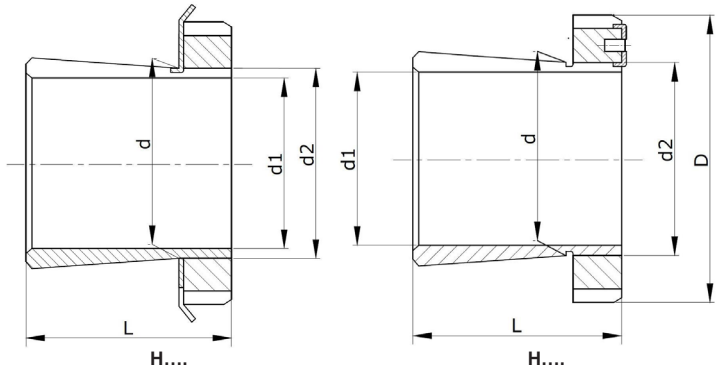

# BARRELS

**BARRELS FIXING** ..... **746**

**BARRELS COUPLING** ..... **756**

DESIGN OPTIONS:

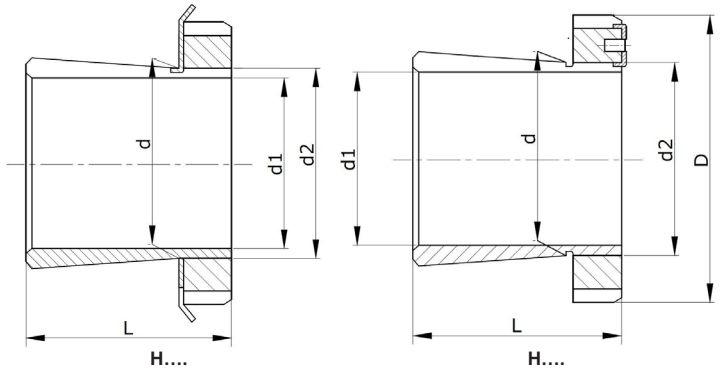
| | |
|---|---|
| H…. | - coupling with the castellated retaining washer |
| H…. | - coupling with the retaining washer |




| Type | d мм | d1 мм | L мм | d2 мм | Weight (m, kg) | | Bearings with the conical bore without barrels | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Ball bearings spherical | | Roller bearing spherical | | | Case | |
| H204 | 20 | 17 | 24 | м20х1 | 0,041 | | 111204 | | | | | | |
| H205 | 25 | 20 | 26 | м25х1,5 | 0,07 | | 111205 | | | | | | |
| H206 | 30 | 25 | 27 | м30х1,5 | 0,099 | | 111206 | | | | | | |
| H207 | 35 | 30 | 29 | м35х1,5 | 0,125 | | 111207 | | | | | | |
| H208 | 40 | 35 | 31 | м40х1,5 | 0,174 | | 111208 | | | | | | |
| H209 | 45 | 40 | 33 | м45х1,5 | 0,227 | | 111209 | | | | | | |
| H210 | 50 | 45 | 35 | м50х1,5 | 0,274 | | 111210 | | | | | | |
| H211 | 55 | 50 | 37 | м55х2 | 0,308 | | 111211 | | | | | | |
| H212 | 60 | 55 | 38 | м60х2 | 0,346 | | 111212 | | | | | | |
| H213 | 65 | 60 | 40 | м65х2 | 0,401 | | 111213 | | | | | | |
| H214 | 70 | 60 | 41 | м70х2 | 0,593 | | 111214 | | | | | | |
| H215 | 75 | 65 | 43 | м75х2 | 0,707 | | 111215 | | | | | | |
| H216 | 80 | 70 | 46 | м80х2 | 0,882 | | 111216 | | | | | | |
| H217 | 85 | 75 | 50 | м85х2 | 1,02 | | 111217 | | | | | | |
| H218 | 90 | 80 | 52 | м90х2 | 1,19 | | 111218 | | | | | | |
| H219 | 95 | 85 | 55 | м95х2 | 1,37 | | 111219 | | | | | | |
| H220 | 100 | 90 | 58 | м100х2 | 1,49 | | 111220 | | | | | | |
| H221 | 105 | 95 | 60 | м105х2 | 1,72 | | 111221 | | | | | | |
| H222 | 110 | 100 | 63 | м110х2 | 1,93 | | 111222 | | | | | | |
| | | | | | | | | | | | | | |
| H304 | 20 | 17 | 28 | м20х1 | 0,045 | | 111304 | 111504 | | | | 680203 | |
| H305 | 25 | 20 | 29 | м25х1,5 | 0,075 | | 111305 | 111505 | 113505 | | | 1680204 | |
| H306 | 30 | 25 | 31 | м30х1,5 | 0,109 | | 111306 | 111506 | 113516 | | | 1680205 | |
| H307 | 35 | 30 | 35 | м35х1,5 | 0,142 | | 111307 | 111507 | 113507 | | | 1680206 | |
| H308 | 40 | 35 | 36 | м40х1,5 | 0,189 | | 111308 | 111508 | 113508 | | | 1680207 | |
| H309 | 45 | 40 | 39 | м45х1,5 | 0,248 | | 111309 | 111509 | 113509 | | | 1680208 | |
| H310 | 50 | 45 | 42 | м50х1,5 | 0,0303 | | 111310 | 111510 | 113510 | | | 1680209 | |
| H311 | 55 | 50 | 45 | м55х2 | 0,345 | | 111311 | 111511 | 113511 | | | 680210 | |
| H312 | 60 | 55 | 47 | м60х2 | 0,394 | | 111312 | 111512 | 113512 | 21312K | | 680211 | |
| H313 | 65 | 60 | 50 | м65х2 | 0,458 | | 111313 | 111513 | 113513 | 21313K | | | |
| H314 | 70 | 60 | 52 | м70х2 | 0,723 | | 111314 | 111514 | 113514 | 21314K | | | |
| H315 | 75 | 65 | 55 | м75х2 | 0,831 | | 111315 | 111515 | 113515 | 21315K | | | |
| H316 | 80 | 70 | 59 | м80х2 | 0,03 | | 111316 | 111516 | 113516 | 21316K | | | |
| H317 | 85 | 75 | 63 | м85х2 | 0,18 | | 111317 | 111517 | 113517 | 2137K | | | |

DESIGN OPTIONS:

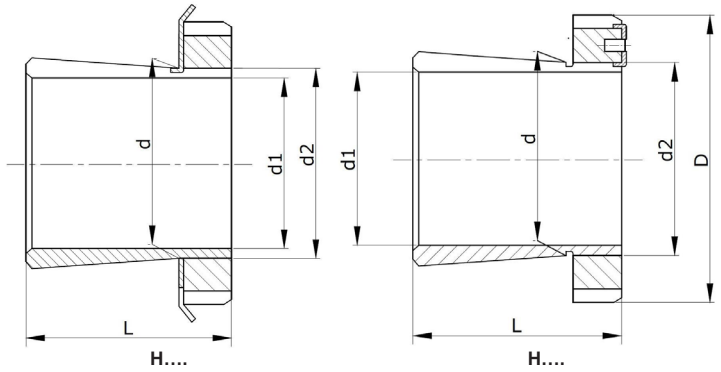
| | |
|---|---|
| H…. | - coupling with the castellated retaining washer |
| H…. | - coupling with the retaining washer |




| Type | d мм | d1 мм | L мм | d2 мм | Weight (m, kg) | Bearings with the conical bore without barrels | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Ball bearings spherical | | Roller bearing spherical | | | Case | | |
| H318 | 90 | 80 | 65 | м90х2 | 0,37 | 111318 | 111518 | 113518 | 2138K | | | | |
| H319 | 95 | 85 | 68 | м95х2 | 1,56 | 111319 | 111519 | 113519 | 21319K | | | | |
| H320 | 100 | 90 | 71 | м100х2 | 1,69 | 111320 | 111520 | 113520 | 21320K | | | | |
| H321 | 105 | 95 | 74 | м105х2 | 1,95 | 111321 | 111521 | 113521 | | | | | |
| H322 | 110 | 100 | 77 | м110х2 | 2,18 | 111322 | 111522 | 113522 | 21322K | | | | |
| | | | | | | | | | | | | | |
| H2304 | 20 | 17 | 31 | м20х1 | 0,049 | 111604 | | | | | | | |
| H2305 | 25 | 20 | 35 | м25х1,5 | 0,087 | 111605 | | | | | UK205 | UK305 | |
| H2306 | 30 | 25 | 38 | м30х1,5 | 0,126 | 111606 | | | | | UK206 | UK306 | |
| H2307 | 35 | 30 | 43 | м35х1,5 | 0,165 | 111607 | | | | | UK207 | UK307 | |
| H2308 | 40 | 35 | 46 | м40х1,5 | 0,224 | 111608 | | 113608 | | | UK208 | UK308 | |
| H2309 | 45 | 40 | 50 | м45х1,5 | 0,28 | 111609 | | 113609 | | | UK209 | UK309 | |
| H2310 | 50 | 45 | 55 | м50х1,5 | 0,362 | 111610 | | 113610 | | | UK210 | UK310 | |
| H2311 | 55 | 50 | 59 | м55х2 | 0,42 | 111611 | | 113611 | | | UK211 | UK311 | |
| H2312 | 60 | 55 | 62 | м60х2 | 0,481 | 111612 | | 113612 | | | UK212 | UK312 | |
| H2313 | 65 | 60 | 65 | м65х2 | 0,557 | 111613 | | 113613 | | | UK213 | UK313 | |
| H2314 | 70 | 60 | 68 | м70х2 | 0,897 | 111614 | | 113614 | | | | | |
| H2315 | 75 | 65 | 73 | м75х2 | 1,05 | 111615 | | 113615 | | | UK215 | UK315 | |
| H2316 | 80 | 70 | 78 | м80х2 | 1,28 | 111616 | | 113616 | | | UK216 | UK316 | 680314 |
| H2317 | 85 | 75 | 82 | м85х2 | 1,45 | 111617 | | 113617 | | | UK217 | UK317 | |
| H2318 | 90 | 80 | 86 | м90х2 | 1,69 | 111618 | | 113618 | 3113218 | | UK218 | UK318 | |
| H2319 | 95 | 85 | 90 | м95х2 | 1,92 | 2319K | 2319K | 22319K | | 22319K | | | |
| H2320 | 100 | 90 | 97 | м100х2 | 2,15 | 111620 | | 113620 | 311320 | | | UK320 | |
| H2322 | 110 | 100 | 105 | м110х2 | 2,74 | 111622 | | 113622 | 3113222 | | | UK322 | |
| H2324 | 120 | 110 | 112 | м120х2 | 3,19 | | | 113624 | 3113224 | | | UK324 | |
| H2326 | 130 | 115 | 121 | м130х2 | 4,6 | | | 113626 | 3113226 | | | UK326 | |
| H2328 | 140 | 125 | 131 | м140х2 | 5,55 | | | 113628 | 3113228 | | | UK328 | |
| H2330 | 150 | 135 | 139 | м150х2 | 6,63 | | | 113630 | 3113230 | | | | |
| H2332 | 160 | 140 | 147 | м160х3 | 9,14 | | | 113632 | 3113232 | | | | |
| H2334 | 170 | 150 | 154 | м170х3 | 10,2 | | | 113634 | 3113234 | | | | |
| H2336 | 180 | 160 | 161 | м180х3 | 11,3 | | | 113636 | 3113236 | | | | |
| H2338 | 190 | 170 | 169 | м190х3 | 12,6 | | | 113638 | 3113238 | | | | |
| H2340 | 200 | 180 | 176 | м200х3 | 13,9 | | | 113640 | 3113240 | | | | |
| H2344X | 220 | 200 | 186 | Tr220х4 | 16,7 | | | 113644 | 3113244 | | | | |

DESIGN OPTIONS:

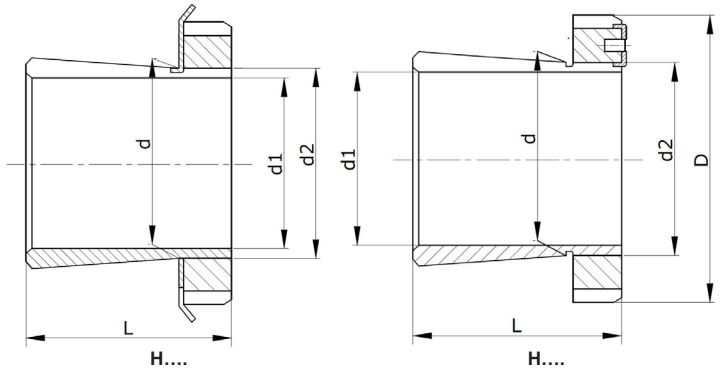
| | |
|---|---|
| H…. | - coupling with the castellated retaining washer |
| H…. | - coupling with the retaining washer |




| Type | d мм | d1 мм | L мм | d2 мм | Weight (m, kg) | Bearings with the conical bore without barrels | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Ball bearings spherical | | Roller bearing spherical | | | Case | | | |
| H2348X | 240 | 220 | 199 | Tr240x4 | 19,7 | | | 113648 | 3113248 | | | | | |
| H2352X | 260 | 240 | 211 | Tr260x4 | 24,2 | | | 113652 | 3113252 | | | | | |
| H2356X | 280 | 260 | 224 | Tr280x4 | 27,8 | | | 113656 | 3113256 | | | | | |
| | | | | | | | | | | | | | | |
| H3024 | 120 | 110 | 72 | м120x2 | 1,93 | | | 3113124 | | | | | | |
| H3026 | 130 | 115 | 80 | м130x2 | 2,85 | | | 3113126 | | | | | | |
| H3028 | 140 | 125 | 82 | м140x2 | 3,16 | | | 3113128 | | | | | | |
| H3030 | 150 | 135 | 87 | м150x2 | 3,89 | | | 3113130 | | | | | | |
| H3032 | 160 | 140 | 93 | м160x3 | 5,21 | | | 3113132 | | | | | | |
| H3034 | 170 | 150 | 101 | м170x3 | 5,99 | | | 3113134 | | | | | | |
| H3036 | 180 | 160 | 109 | м180x3 | 6,83 | | | 3113136 | | | | | | |
| H3038 | 190 | 170 | 112 | м190x3 | 7,45 | | | 3113138 | | | | | | |
| H3040 | 200 | 180 | 120 | м200x3 | 9,19 | | | 3113140 | | | | | | |
| H3044 | 220 | 200 | 128 | Tr220x4 | 10,3 | | | 3113144 | | | | | | |
| H3048 | 240 | 220 | 133 | Tr240x4 | 13,2 | | | 3113148 | | | | | | |
| H3052 | 260 | 240 | 147 | Tr260x4 | 15,3 | | | 3113152 | | | | | | |
| H3056 | 280 | 260 | 152 | Tr280x4 | 17,7 | | | 3113156 | | | | | | |
| H3060 | 300 | 280 | 168 | Tr300x4 | 22,8 | | | 3113160 | | | | | | |
| H3064 | 320 | 300 | 171 | Tr320x5 | 24,6 | | | 3113164 | | | | | | |
| H3068 | 340 | 320 | 187 | Tr340x5 | 28,7 | | | 3113168 | | | | | | |
| H3072 | 360 | 340 | 188 | Tr360x5 | 30,5 | | | 3113172 | | | | | | |
| H3076 | 380 | 360 | 193 | Tr380x5 | 35,8 | | | 3113176 | | | | | | |
| H3080 | 400 | 380 | 210 | Tr400x5 | 41,3 | | | 3113180 | | | | | | |
| H3084 | 420 | 400 | 212 | Tr420x5 | 43,7 | | | 3113184 | | | | | | |
| H3088 | 440 | 410 | 228 | Tr440x5 | 65,2 | | | 3113188 | | | | | | |
| H3092 | 460 | 430 | 234 | Tr460x5 | 69,5 | | | 3113192 | | | | | | |
| H3096 | 480 | 450 | 237 | Tr480x5 | 73,3 | | | 3113196 | | | | | | |
| H30/500 | 500 | 470 | 247 | Tr500x5 | 81,8 | | | 31131/500 | | | | | | |
| H30/530 | 530 | 500 | 265 | Tr530x6 | 100 | | | 31131/530 | | | | | | |
| H30/560 | 560 | 530 | 282 | Tr560x6 | 110 | | | 31131/560 | | | | | | |
| H30/600 | 600 | 560 | 289 | Tr600x6 | 120 | | | 31131/600 | | | | | | |
| H30/630 | 630 | 600 | 301 | Tr630x6 | 136 | | | 31131/630 | | | | | | |
| H30/670 | 670 | 630 | 324 | Tr670x6 | 191 | | | 31131/670 | | | | | | |
| H30/710 | 710 | 670 | 342 | Tr710x7 | 223 | | | | | | | | | |

DESIGN OPTIONS:

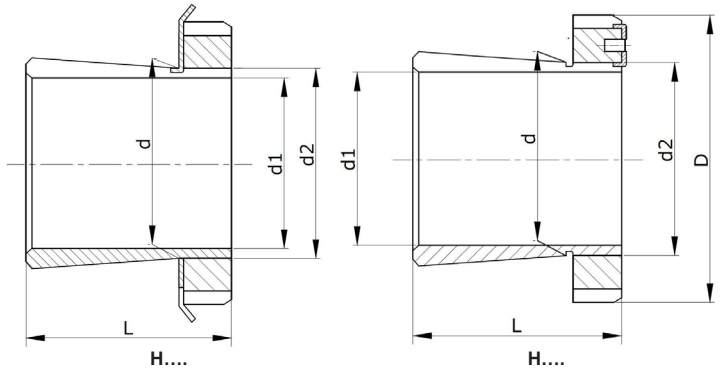
| | |
|---|---|
| H…. | - coupling with the castellated retaining washer |
| H…. | - coupling with the retaining washer |




| Type | d мм | d1 мм | L мм | d2 мм | Weight (m, kg) | Bearings with the conical bore without barrels | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Ball bearings spherical | | Roller bearing spherical | | | Case | | | |
| H3120 | 100 | 90 | 76 | м100х2 | 1,78 | | | 113520 | 153520 | 3113720 | | | | |
| H3122 | 110 | 100 | 81 | м110х2 | 2,25 | | | 113522 | 153522 | 3113722 | | | | |
| H3124 | 120 | 110 | 88 | м120х2 | 2,64 | | | 113524 | 153524 | 3113724 | | | | |
| H3126 | 130 | 115 | 92 | м130х2 | 3,66 | | | 113526 | 153526 | 3113726 | | | | |
| H3128 | 140 | 125 | 97 | м140х2 | 4,34 | | | 113528 | 153528 | 3113728 | | | | |
| H3130 | 150 | 135 | 111 | м150х2 | 5,52 | | | 113530 | 153530 | 3113730 | | | | |
| H3132 | 160 | 140 | 119 | м160х3 | 7,67 | | | 113532 | 153532 | 3113732 | | | | |
| H3134 | 170 | 150 | 122 | м170х3 | 8,38 | | | 113534 | 153534 | 3113734 | | | | |
| H3136 | 180 | 160 | 131 | м180х3 | 9,5 | | | 113536 | 153536 | 3113736 | | | | |
| H3138 | 190 | 170 | 141 | м190х3 | 10,8 | | | 113538 | 153538 | 3113738 | | | | |
| H3140 | 200 | 180 | 150 | м200х3 | 12,1 | | | 113540 | 153540 | 3113740 | | | | |
| H3144X | 220 | 200 | 161 | Tr220x4 | 14,7 | | | 113544 | 153544 | 3113744 | | | | |
| H3148X | 240 | 220 | 172 | Tr240x4 | 17,3 | | | 113548 | 153548 | 3113748 | | | | |
| H3152X | 260 | 240 | 190 | Tr260x4 | 22 | | | 113552 | 153552 | 3113752 | | | | |
| H3156X | 280 | 260 | 195 | Tr280x4 | 24,5 | | | 113556 | 153556 | 3113756 | | | | |
| H3160 | 300 | 280 | 208 | Tr300x4 | 30,2 | | | 113560 | 153560 | 3113760 | | | | |
| H3164 | 320 | 300 | 226 | Tr320x5 | 34,9 | | | 113564 | 153564 | 3113764 | | | | |
| H3168 | 340 | 320 | 254 | Tr340x5 | 49,5 | | | 113568 | 153568 | 3113768 | | | | |
| H3172 | 360 | 340 | 259 | Tr360x5 | 54,2 | | | 113572 | 153572 | 3113772 | | | | |
| H3176 | 380 | 360 | 264 | Tr380x5 | 61,7 | | | 113576 | 153576 | 3113776 | | | | |
| H3180 | 400 | 380 | 272 | Tr400x5 | 70,6 | | | 113580 | 153580 | 3113780 | | | | |
| H3184 | 420 | 400 | 304 | Tr420x5 | 84,2 | | | | | 3113784 | | | | |
| H3188 | 440 | 410 | 37 | Tr440x5 | 104 | | | | | 3113788 | | | | |
| H3192 | 460 | 430 | 326 | Tr460x5 | 116 | | | | | 3113792 | | | | |
| H3196 | 480 | 450 | 335 | Tr480x5 | 133 | | | | | 3113796 | | | | |
| H31/500 | 500 | 470 | 356 | Tr500x5 | 143 | | | | | 31137/500 | | | | |
| H31/530 | 530 | 500 | 364 | Tr530x6 | 161 | | | | | 31137/530 | | | | |
| H31/560 | 560 | 530 | 377 | Tr560x6 | 185 | | | | | 31137/560 | | | | |
| H31/600 | 600 | 560 | 399 | Tr600x6 | 234 | | | | | 31137/600 | | | | |
| H3260 | 300 | 280 | 240 | Tr300x4 | 34,1 | | | 3113260 | | | | | | |
| H3264 | 320 | 300 | 258 | Tr320x5 | 39,3 | | | 3113264 | | | | | | |
| H3268 | 340 | 320 | 288 | Tr340x5 | 54,6 | | | 3113268 | | | | | | |

DESIGN OPTIONS:

| | |
|---|---|
| H…. | - coupling with the castellated retaining washer |
| H…. | - coupling with the retaining washer |

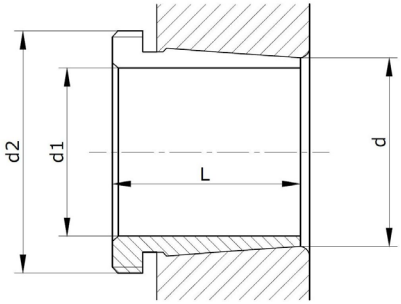



| Type | d мм | d1 мм | L мм | d2 мм | Weight (m, kg) | | Bearings with the conical bore without barrels | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Ball bearings spherical | | Roller bearing spherical | | | Case | | | |
| H3272 | 360 | 340 | 299 | Tr360x5 | 60,6 | | | | 3113272 | | | | | | |
| H3276 | 380 | 360 | 310 | Tr380x5 | 69,6 | | | | 3113276 | | | | | | |
| H3280 | 400 | 380 | 328 | Tr400x5 | 81 | | | | 3113280 | | | | | | |
| H3284 | 420 | 400 | 352 | Tr420x5 | 94 | | | | 3113284 | | | | | | |
| H3288 | 440 | 410 | 361 | Tr440x5 | 118 | | | | 3113288 | | | | | | |
| H3292 | 460 | 430 | 382 | Tr460x5 | 132 | | | | 3113292 | | | | | | |
| H3296 | 480 | 450 | 397 | Tr480x5 | 152 | | | | 3113296 | | | | | | |
| H32/500 | 500 | 470 | 428 | Tr500x5 | 166 | | | | 31132/500 | | | | | | |

DESIGN OPTIONS:

| | |
|---|---|
| AH….; AHX…. | - coupling |

Coupling barrels aren't completed with squeezing nuts.



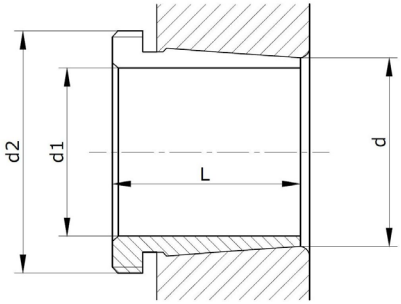

**AH… ; AHX…**

| Type | d мм | d1 мм | l мм | d2 мм | Weight кг | | Bearings without barrels | | | Bearings with barrels | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Inner ring with rib | Inner ring without rib | | Result in accordance with GOST | |
| AH 308 | 40 | 35 | 29 | м45х1,5 | 0,09 | | 113508 | 153508 | 21308k | | |
| AH 309 | 45 | 40 | 31 | м50х1,5 | 0,109 | | 113509 | 153509 | 21309k | | |
| AH 310 | 50 | 45 | 35 | м55х2 | 0,137 | | 113510 | 153510 | | | |
| AH 311 | 55 | 50 | 37 | м60х2 | 0,161 | | 113511 | | | | |
| AH 312 | 60 | 55 | 40 | м65х2 | 0,189 | | 113512 | | | | |
| AH 313 | 65 | 60 | 42 | м75х2 | 0,253 | | 113513 | | | | |
| AH 314 | 70 | 65 | 43 | м80х2 | 0,28 | | 113514 | | | | |
| AH 315 | 75 | 70 | 45 | м85х2 | 0,313 | | 113515 | | | | |
| AH 316 | 80 | 75 | 48 | м90х2 | 0,365 | | 113516 | | | | |
| AH 317 | 85 | 80 | 52 | м95х2 | 0,429 | | 113517 | | | | |
| AH 318 | 90 | 85 | 53 | м100х2 | 0,461 | | 113518 | | | | |
| AH 319 | 95 | 90 | 57 | м105х2 | 0,532 | | | | | | |
| AH 320 | 100 | 95 | 59 | м110х2 | 0,582 | | 113520 | 153520 | 21320k | 73519 | 73619 |
| AH 322 | 110 | 105 | 63 | м120х2 | 0,663 | | 113522 | | 21322k | | |
| AH 324 | 120 | 115 | 69 | м130х2 | 0,899 | | 113524 | | | | |
| AH 326 | 130 | 125 | 74 | м140х2 | 1,02 | | 113526 | | | | |
| AH 328 | 140 | 135 | 77 | м150х2 | 1,16 | | 113528 | | | | |
| AH 330 | 150 | 145 | 83 | м165х3 | 1,5 | | 113530 | | | | |
| AH 332 | 160 | 150 | 88 | м180х3 | 2,69 | | 113532 | | | | |
| AH 334 | 170 | 160 | 93 | м190х3 | 3,07 | | 113534 | | | | |
| | | | | | | | | | | | |
| AH 2236 | 180 | 170 | 105 | М200х3 | 3,73 | | 113536 | 153536 | | | 753534 |
| AH 2238 | 190 | 180 | 112 | Tr210x4 | 4,25 | | 113538 | 153538 | | | 753536 |
| AH 2240 | 200 | 190 | 118 | Tr220x4 | 4,68 | | 113540 | 153540 | | | 753538 |
| AH 2244 | 220 | 200 | 130 | Tr240x4 | 9,1 | | 113544 | 153544 | | | 753540 |
| AH 2248 | 240 | 220 | 144 | Tr260x4 | 11,1 | | 113548 | 153548 | | | |
| AH 2252 | 260 | 240 | 155 | Tr290x4 | 14 | | 113552 | 153552 | | | |
| AH 2256 | 280 | 260 | 155 | Tr310x4 | 15,2 | | 113556 | 153556 | | | |
| AH 2260 | 300 | 280 | 170 | Tr330x5 | 18,1 | | 113560 | 153560 | | | |
| AH 2264 | 320 | 300 | 180 | Tr350x5 | 20,2 | | 113564 | 153564 | | | |
| | | | | | | | | | | | |
| AH 2308 | 40 | 35 | 40 | м45х1,5 | 0,128 | | 113608 | 153608 | | | |
| AH 2309 | 45 | 40 | 44 | м50х1,5 | 0,164 | | 113609 | 153609 | | | |
| AH 2310 | 50 | 45 | 50 | м55х2 | 0,209 | | 113610 | 153610 | | | 753609 |

DESIGN OPTIONS:

| | |
|---|---|
| AH….; AHX…. | - coupling |

Coupling barrels aren't completed with squeezing nuts.



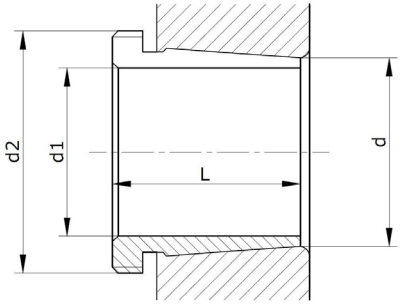

**AH… ; AHX…**

| Type | d мм | d1 мм | l мм | d2 мм | Weight кг | | Bearings without barrels | | | Bearings with barrels | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Inner ring with rib | Inner ring without rib | | Result in accordance with GOST | |
| AHX 2311 | 55 | 50 | 54 | м60х2 | 0,253 | | 113611 | 153611 | | 73610 | 753610 |
| AHX 2312 | 60 | 55 | 58 | м65х2 | 0,297 | | 113612 | 153612 | | 73611 | 753611 |
| AHX2313 | 65 | 60 | 61 | м75х2 | 0,395 | | 113613 | 153613 | | 73612 | 753612 |
| AHX 2314 | 70 | 65 | 64 | м80х2 | 0,466 | | 113614 | 153614 | | 73613 | 753613 |
| AHX 2315 | 75 | 70 | 68 | м85х2 | 0,534 | | 113615 | 153615 | | 73614 | 753614 |
| AHX 2316 | 80 | 75 | 71 | м90х2 | 0,597 | | 113616 | 153616 | | 73615 | 753615 |
| AHX 2317 | 85 | 80 | 74 | м95х2 | 0,67 | | 113617 | 153617 | | 73616 | 753616 |
| AHX 2318 | 90 | 85 | 79 | м100х2 | 0,779 | | 113618 | 153618 | | 73617 | 753617 |
| AHX 2320 | 100 | 95 | 90 | м105х2 | 0,998 | | 113620 | 153620 | | 73619 | 753619 |
| AHX 2322 | 110 | 105 | 98 | м110х2 | 1,35 | | 113622 | 153622 | | 73620 | |
| AHX 2324 | 120 | 115 | 105 | м120х2 | 1,6 | | 113624 | 153624 | | 73623 | 753623 |
| AHX 2326 | 130 | 125 | 115 | м130х2 | 1,97 | | 113626 | 153626 | | | 753625 |
| AHX 2328 | 140 | 135 | 125 | м140х2 | 2,33 | | 113628 | 153628 | | | 753627 |
| AHX 2330 | 150 | 145 | 135 | м150х2 | 2,82 | | 113630 | 153632 | | | |
| AH 2332 | 160 | 150 | 140 | м165х3 | 4,72 | | 113632 | 153632 | | 73630 | 753630 |
| AH 2334 | 170 | 160 | 146 | м180х3 | 5,25 | | 113634 | 153634 | | | 753632 |
| AH 2336 | 180 | 170 | 154 | м190х3 | 5,83 | | 113636 | 153636 | | 73634 | 753634 |
| AH 2338 | 190 | 180 | 160 | м200х3 | 6,63 | | 113638 | 153638 | | 73636 | 753636 |
| AH 2340 | 200 | 190 | 170 | Tr220x4 | 7,54 | | 113640 | 153640 | | 73638 | 753638 |
| AH 2344 | 220 | 200 | 181 | Tr240x4 | 13,5 | | 113644 | 153644 | | | 753640 |
| AH 2348 | 240 | 220 | 189 | Tr260x4 | 15,5 | | 113648 | 153648 | | 73644 | 753644 |
| AH 2352 | 260 | 240 | 205 | Tr290x4 | 19,6 | | 113652 | 153652 | | | 753648 |
| AH 2356 | 280 | 260 | 212 | Tr310x5 | 21,6 | | 113656 | 153656 | | | 753652 |
| | | | | | | | | | | | |
| AH 3024 | 120 | 112 | 60 | м130х2 | 0,75 | | 3113124 | | | 3073123 | |
| AH 3026 | 130 | 125 | 67 | м140х2 | 0,93 | | 3113126 | | | 3073125 | |
| AH 3028 | 140 | 135 | 68 | м150х2 | 1,01 | | 3113128 | | | 3073127 | |
| AH 3030 | 150 | 145 | 72 | м160х3 | 1,15 | | | | | | |
| AH 3032 | 160 | 150 | 77 | м170х3 | 2,06 | | | | | | |
| AH 3034 | 170 | 160 | 85 | м180х3 | 2,43 | | | | | | |
| AH 3036 | 180 | 170 | 92 | м190х3 | 2,81 | | | | | | |
| AH 3038 | 190 | 180 | 96 | Tr205x4 | 3,32 | | | | | | |
| AH 3040 | 200 | 190 | 102 | Tr215x4 | 3,8 | | | | | | |
| AH 3044 | 220 | 200 | 111 | Tr235x4 | 7,4 | | | | | | |

DESIGN OPTIONS:

| | |
|---|---|
| AH….; AHX…. | - coupling |

Coupling barrels aren't completed with squeezing nuts.



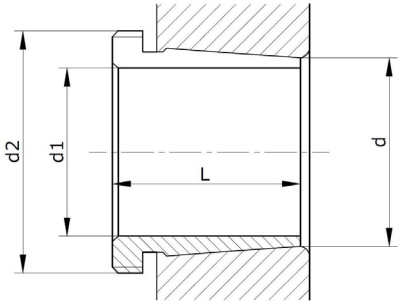

**AH… ; AHX…**

| Type | d мм | d1 мм | l мм | d2 мм | Weight кг | | Bearings without barrels | | | Bearings with barrels | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Inner ring with rib | Inner ring without rib | | Result in accordance with GOST | |
| AH 3048 | 240 | 220 | 116 | Tr260x4 | 8,75 | | | | | | |
| AH 3052 | 260 | 240 | 128 | Tr280x4 | 10,7 | | | | | | |
| AH 3056 | 280 | 260 | 131 | Tr300x4 | 12 | | | | | | |
| AH 3060 | 300 | 280 | 145 | Tr320x5 | 14,4 | | | | | | |
| AH 3064 | 320 | 300 | 149 | Tr345x5 | 16 | | 3113164 | | | 3073160 | |
| AH 3068 | 340 | 320 | 162 | Tr365x5 | 19,5 | | | | | | |
| AH 3072 | 360 | 340 | 167 | Tr385x5 | 21 | | | | | | |
| AH 3076 | 380 | 360 | 170 | Tr410x5 | 23,2 | | | | | | |
| AH 3080 | 400 | 380 | 183 | Tr430x5 | 27,3 | | | | | | |
| AH 3084 | 420 | 400 | 186 | Tr450x5 | 29 | | | | | | |
| AH 3088 | 440 | 420 | 194 | Tr470x5 | 32 | | | | | | |
| AH 3092 | 460 | 440 | 202 | Tr490x5 | 35,2 | | | | | | |
| AH 3096 | 480 | 460 | 205 | Tr520x6 | 39,2 | | | | | | |
| AH 30/500 | 500 | 480 | 209 | Tr540x6 | 42,5 | | | | | | |
| AH 30/530 | 530 | 500 | 230 | Tr560x6 | 61,9 | | | | | | |
| AH 30/560 | 560 | 530 | 240 | Tr590x6 | 68,6 | | | | | | |
| AH 30/600 | 600 | 570 | 245 | Tr630x6 | 75,4 | | 31131/600 | | | 30731/570 | |
| AH 30/630 | 630 | 600 | 258 | Tr670x6 | 87,8 | | | | | | |
| AH 30/670 | 670 | 630 | 280 | Tr710x7 | 124 | | | | | | |
| | | | | | | | | | | | |
| AH 3120 | 100 | 95 | 64 | м110x2 | 0,65 | | 3113720 | | | 3073719 | |
| AH 3122 | 110 | 105 | 68 | м120x2 | 0,76 | | 3113722 | | | 3073721 | |
| AH 3124 | 120 | 115 | 75 | м130x2 | 0,95 | | 3113724 | | | 3073723 | |
| AH 3126 | 130 | 125 | 78 | м140x2 | 1,08 | | | | | | |
| AH 3128 | 140 | 135 | 83 | м150x2 | 1,28 | | | | | | |
| AH 3130 | 150 | 145 | 96 | м165x3 | 1,79 | | | | | | |
| AH 3132 | 160 | 150 | 103 | м180x3 | 3,21 | | | | | | |
| AH 3134 | 170 | 160 | 104 | м190x3 | 3,4 | | | 3153734 | | | 3753732 |
| AH 3136 | 180 | 170 | 116 | м200x3 | 4,22 | | | 3153736 | | | 3753734 |
| AH 3138 | 190 | 180 | 125 | Tr210x4 | 4,89 | | | 3153738 | | | 3753736 |
| AH 3140 | 200 | 190 | 134 | Tr220x4 | 5,49 | | | | | | |
| AOH 3144 | 220 | 200 | 145 | Tr240x4 | 10,4 | | 3113744 | | | 3073740 | |
| AOH 3148 | 240 | 220 | 154 | Tr260x4 | 12 | | 3113748 | | | 3073744 | |
| AH 3152 | 260 | 240 | 172 | Tr290x4 | 16,2 | | | | | | |

DESIGN OPTIONS:

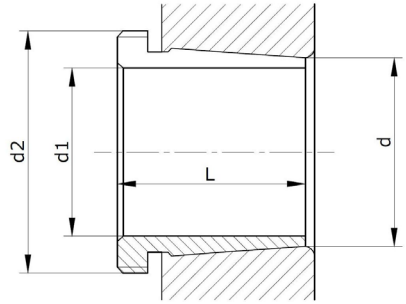
| | |
|---|---|
| AH….; AHX…. | - coupling |

Coupling barrels aren't completed with squeezing nuts.




**AH… ; AHX…**

| Type | d мм | d1 мм | l мм | d2 мм | Weight кг | | Bearings without barrels | | | Bearings with barrels | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Inner ring with rib | Inner ring without rib | | Result in accordance with GOST | |
| AH 3156 | 280 | 260 | 175 | Tr310x4 | 17,5 | | | | | | |
| AH 3160 | 300 | 280 | 192 | Tr330x5 | 20,8 | | | | | | |
| AH 3164 | 320 | 300 | 209 | Tr350x5 | 24,5 | | 3113764 | | | 3073760 | |
| AH 3168 | 340 | 320 | 225 | Tr370x5 | 29 | | | | | | |
| AH 3172 | 360 | 340 | 229 | Tr400x5 | 33 | | | | | | |
| AH 3176 | 380 | 360 | 232 | Tr420x5 | 35,7 | | | | | | |
| AH 3180 | 400 | 380 | 240 | Tr440x5 | 39,5 | | 3113780 | | | 3073776 | |
| AH 3184 | 420 | 400 | 266 | Tr460x5 | 46,5 | | | | | | |
| AH 3188 | 440 | 420 | 270 | Tr480x5 | 49,8 | | | | | | |
| AH 3192 | 460 | 440 | 285 | Tr510x6 | 57,9 | | | | | | |
| AH 3196 | 480 | 460 | 295 | Tr530x6 | 63,1 | | | | | | |
| AH 31/500 | 500 | 480 | 313 | Tr550x6 | 70,9 | | 31137/500 | | | 3073796 | |
| AH 31530 | 530 | 500 | 325 | Tr560x6 | 93,4 | | | | | | |
| AH 31/560 | 560 | 530 | 335 | Tr590x6 | 102,1 | | | | | | |
| AH 31/600 | 600 | 570 | 355 | Tr630x6 | 118 | | | | | | |
| AH 31/630 | 630 | 600 | 375 | Tr670x6 | 138 | | | | | | |
| AH 31/670 | 670 | 630 | 395 | Tr710x7 | 187 | | | | | | |
| | | | | | | | | | | | |
| AH 3218 | 90 | 85 | 63 | м100х2 | 0,576 | | | | | | |
| AH 3220 | 100 | 95 | 73 | м110х2 | 0,767 | | 3113220 | | | 3073219 | |
| AH 3222 | 110 | 105 | 82 | м125х2 | 1,04 | | | | | | |
| AH 3224 | 120 | 115 | 90 | м135х2 | 1,3 | | | | | | |
| AH 3226 | 130 | 125 | 98 | м145х2 | 1,58 | | | | | | |
| AH 3228 | 140 | 135 | 104 | м155х3 | 1,84 | | | | | | |
| AH 3230 | 150 | 145 | 114 | м165х3 | 2,22 | | | | | | |
| AH 3232 | 160 | 150 | 124 | м180х3 | 4,08 | | | | | | |
| AH 3234 | 170 | 160 | 134 | м190х3 | 4,8 | | | | | | |
| AH 3236 | 180 | 170 | 140 | м200х3 | 5,32 | | | | | | |
| AH 3238 | 190 | 180 | 145 | Tr210x4 | 5,9 | | | | | | |
| AH 3240 | 200 | 190 | 153 | Tr220x4 | 6,68 | | | | | | |
| AH 3260H | 300 | 280 | 228 | Tr330x5 | 26 | | | | | | |
| AH 3264H | 320 | 300 | 246 | Tr350x5 | 30,6 | | | | | | |
| AH 3268H | 340 | 320 | 264 | Tr370x5 | 35,4 | | | | | | |
| AH 3272H | 360 | 340 | 274 | Tr400x5 | 41,5 | | | | | | |



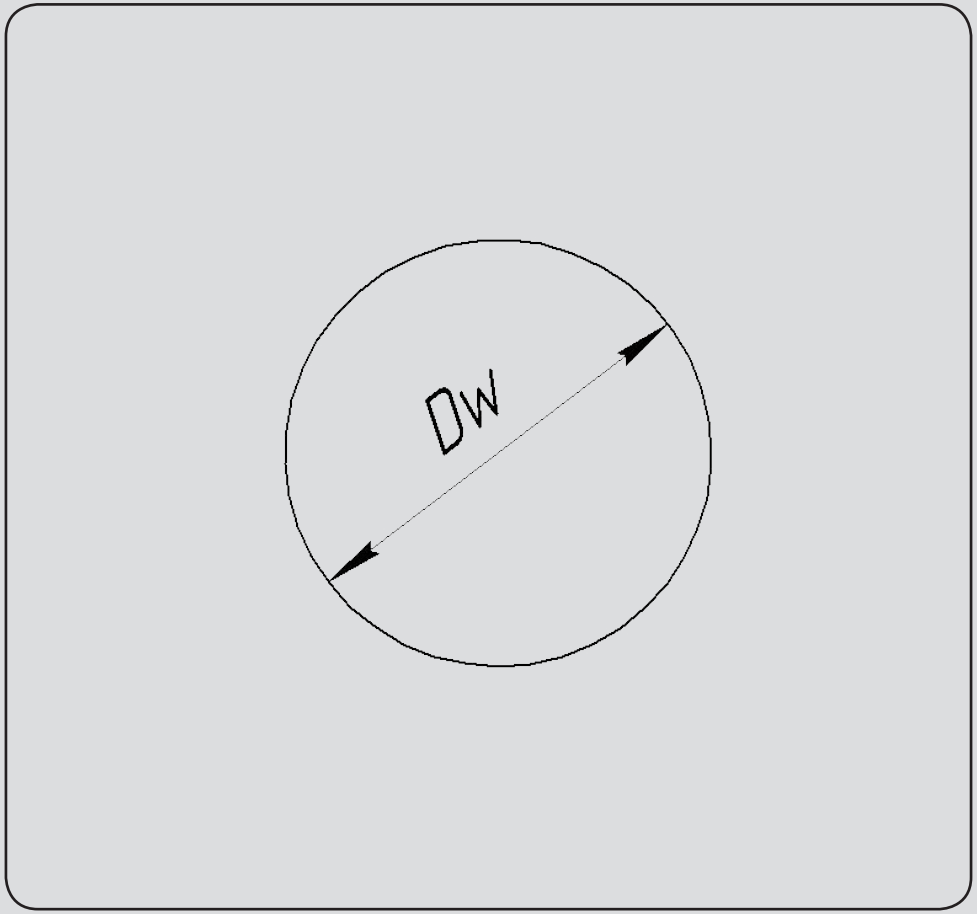

**AH… ; AHX…**

DESIGN OPTIONS:

| | |
|---|---|
| AH….; AHX…. | - coupling |

Coupling barrels aren't completed with squeezing nuts.

| Type | d<br>мм | d1<br>мм | l<br>мм | d2<br>мм | Weight<br>кг | | Bearings without barrels | | | Bearings with barrels | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Inner ring with rib | Inner ring without rib | | Result in accordance with GOST | |
| AH 3276H | 380 | 360 | 284 | Tr420x5 | 45,6 | | | | | | |
| AH 3280H | 400 | 380 | 302 | Tr440x5 | 51,7 | | | | | | |
| AH 3284H | 420 | 400 | 321 | Tr460x5 | 58,9 | | | | | | |
| AHX 3288H | 440 | 420 | 330 | Tr480x5 | 63,8 | | | | | | |
| AHX 3292H | 460 | 440 | 349 | Tr510x6 | 74,5 | | | | | | |
| AHX 3296H | 480 | 460 | 364 | Tr530x6 | 82,1 | | | | | | |
| AHX 32/500H | 500 | 480 | 393 | Tp550x6 | 94,6 | | | | | | |



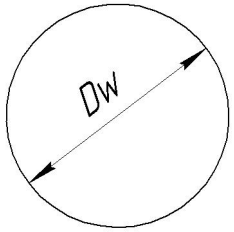

# READY DETAILS

BALLS ..... 768

CYLINDRICAL SHORT ROLLERS ..... 772

CYLINDRICAL LONG ROLLERS ..... 776

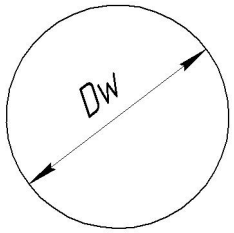
NEEDLE ROLLERS ..... 778




| GOST designation | Nominal diameter Dw –(inch) | Nominal diameter Dw (мм) | Weight 1000 pcs.(кг. =) |
|---|---|---|---|
| ball 0,250 | - | 0,250 | 0,00008 |
| ball 0,300 | - | 0,300 | 0,00011 |
| ball 0,360 | - | 0,360 | 0,00016 |
| ball 0,397 | 1/64 | 0,397 | 0,00025 |
| ball 0,400 | - | 0,400 | 0,00026 |
| ball 0,500 | - | 0,500 | 0,00051 |
| ball 0,508 | - | 0,508 | 0,00054 |
| ball 0,600 | - | 0,600 | 0,00089 |
| ball 0,635 | - | 0,635 | 0,00105 |
| ball 0,680 | - | 0,680 | 0,00129 |
| ball 0,700 | - | 0,700 | 0,00141 |
| ball 0,794 | 1/32 | 0,794 | 0,00206 |
| ball 0,800 | - | 0,800 | 0,00210 |
| ball 0,840 | - | 0,840 | 0,00243 |
| ball 0,850 | - | 0,850 | 0,00252 |
| ball 1,000 | - | 1,000 | 0,00411 |
| ball 1,191 | 3/64 | 1,191 | 0,00694 |
| ball 1,200 | - | 1,200 | 0,00710 |
| ball 1,300 | - | 1,300 | 0,00903 |
| ball 1,500 | - | 1,500 | 0,01390 |
| ball 1,588 | 1/16 | 1,588 | 0,01640 |
| ball 1,984 | 5/64 | 1,984 | 0,03210 |
| ball 2,000 | - | 2,000 | 0,03290 |
| ball 2,381 | 3/32 | 2,381 | 0,05540 |
| ball 2,500 | - | 2,500 | 0,06420 |
| ball 2,778 | 7/64 | 2,778 | 0,08810 |
| ball 3,000 | - | 3,000 | 0,111 |
| ball 3,175 | 1/8 | 3,175 | 0,132 |
| ball 3,500 | - | 3,500 | 1,176 |
| ball 3,572 | 9/64 | 3,572 | 0,187 |
| ball 3,969 | 5/32 | 3,969 | 0,257 |
| ball 4,000 | - | 4,000 | 0,263 |
| ball 4,366 | 11/64 | 4,366 | 0,342 |
| ball 4,500 | | 4,500 | 0,374 |
| ball 4,763 | 3/16 | 4,763 | 0,444 |
| ball 5,000 | - | 5,000 | 0,514 |
| ball 5,159 | 13/64 | 5,159 | 0,564 |
| ball 5,500 | - | 5,500 | 0,684 |

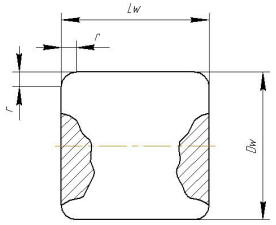


| GOST designation | Nominal diameter Dw –(inch) | Nominal diameter Dw (мм) | Weight 1000 pcs.(кг. =) |
|---|---|---|---|
| ball 5,556 | 7/32 | 5,556 | 0,705 |
| ball 5,800 | - | 5,800 | 0,802 |
| ball 5,953 | 15/64 | 5,953 | 0,867 |
| ball 6,000 | - | 6,000 | 0,887 |
| ball 6,350 | 1/4 | 6,350 | 1,05 |
| ball 6,500 | - | 6,500 | 1,13 |
| ball 6,747 | 17/64 | 6,747 | 1,26 |
| ball 7,000 | - | 7,000 | 1,41 |
| ball 7,144 | 9/32 | 7,144 | 1,50 |
| ball 7,500 | - | 7,500 | 1,73 |
| ball 7,541 | 19/64 | 7,541 | 1,76 |
| ball 7,938 | 5/16 | 7,938 | 2,06 |
| ball 8,000 | - | 8,000 | 2,10 |
| ball 8,334 | - | 8,334 | 2,38 |
| ball 8,500 | - | 8,500 | 2,52 |
| ball 8,731 | 11/32 | 8,731 | 2,73 |
| ball 9,000 | - | 9,000 | 3,00 |
| ball 9,128 | 23/64 | 9,128 | 3,12 |
| ball 9,525 | 3/8 | 9,525 | 3,55 |
| ball 9,922 | 25/64 | 9,922 | 4,01 |
| ball 10,000 | - | 10,000 | 4,11 |
| ball 10,319 | 13/32 | 10,319 | 4,51 |
| ball 10,716 | 27/64 | 10,716 | 5,06 |
| ball 11,000 | - | 11,000 | 5,47 |
| ball 11,112 | 7/16 | 11,112 | 5,64 |
| ball 11,500 | - | 11,500 | 6,25 |
| ball 11,509 | 29/64 | 11,509 | 6,62 |
| ball 11,906 | 15/32 | 11,906 | 6,93 |
| ball 12,000 | - | 12,000 | 7,10 |
| ball 12,303 | 31/64 | 12,303 | 7,65 |
| ball 12,700 | 1/2 | 12,700 | 8,42 |
| ball 12,000 | - | 12,000 | 9,03 |
| ball 13,494 | 17/32 | 13,494 | 10,1 |
| ball 14,000 | - | 14,000 | 11,3 |
| ball 14,288 | 9/16 | 14,288 | 12,0 |
| ball 15,000 | - | 15,000 | 13,9 |
| ball 15,081 | 19/32 | 15,081 | 14,1 |
| ball 15,875 | 5/8 | 15,875 | 16,4 |
| ball 16,000 | - | 16,000 | 16,8 |
| ball 16,669 | 21/32 | 16,669 | 19,0 |
| ball 17,000 | - | 17,000 | 20,2 |
| ball 17,462 | 11/16 | 17,462 | 21,9 |
| ball 18,000 | - | 18,000 | 24,0 |
| ball 18,256 | 23/32 | 18,256 | 25,0 |
| ball 19,000 | - | 19,000 | 28,2 |
| ball 19,050 | 3/4 | 19,050 | 28,4 |
| ball 19,844 | 25/32 | 19,844 | 32,1 |




| GOST designation | Nominal diameter Dw –(inch) | Nominal diameter Dw (мм) | Weight 1000 pcs.(кг. =) |
|---|---|---|---|
| ball 20,000 | - | 20,000 | 32,9 |
| ball 20,638 | 13⁄16 | 20,638 | 36,1 |
| ball 21,000 | - | 21,000 | 38,0 |
| ball 21,431 | 27⁄32 | 21,431 | 40,4 |
| ball 22,000 | - | 22,000 | 43,8 |
| ball 22,225 | 7⁄8 | 22,225 | 45,1 |
| ball 23,000 | - | 23,000 | 50,0 |
| ball 23,019 | 29⁄32 | 23,019 | 50,1 |
| ball 23,812 | 15⁄16 | 23,812 | 55,5 |
| ball 24,000 | - | 24,000 | 56,8 |
| ball 24,606 | 31⁄32 | 24,606 | 61,2 |
| ball 25,000 | - | 25,000 | 64,2 |
| ball 25,400 | 1 | 25,400 | 67,3 |
| ball 26,000 | - | 26,000 | 72,2 |
| ball 26,194 | 1 1⁄32 | 26,194 | 73,8 |
| ball 26,988 | 1 1⁄16 | 26,988 | 80,8 |
| ball 27,781 | 1 3⁄32 | 27,781 | 88,1 |
| ball 28,000 | - | 28,000 | 90,2 |
| ball 28,575 | 1 1⁄8 | 28,575 | 95,8 |
| ball 30,000 | - | 30,000 | 111 |
| ball 30,162 | 1 3⁄16 | 30,162 | 113 |
| ball 31,750 | 1 1⁄4 | 31,750 | 132 |
| ball 32,000 | - | 32,000 | 135 |
| ball 32,544 | 1 9⁄32 | 32,544 | 142 |
| ball 33,338 | 1 5⁄16 | 33,338 | 152 |
| ball 34,000 | - | 34,000 | 162 |
| ball 34,925 | 1 3⁄8 | 34,925 | 175 |
| ball 35,000 | - | 35,000 | 176 |
| ball 35,719 | 1 13⁄32 | 35,719 | 187 |
| ball 36,000 | - | 36,000 | 192 |
| ball 36,512 | 1 7⁄16 | 36,512 | 200 |
| ball 38,000 | - | 38,000 | 225 |
| ball 38,100 | 1 1⁄2 | 38,100 | 227 |
| ball 39,688 | 1 9⁄16 | 39,688 | 257 |
| ball 40,000 | - | 40,000 | 263 |
| ball 41,275 | 1 5⁄8 | 41,275 | 289 |
| ball 42,862 | 1 11⁄16 | 42,862 | 324 |
| ball 44,450 | 1 3⁄4 | 44,450 | 361 |
| ball 45,000 | - | 45,000 | 374 |

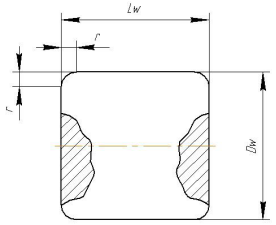
| GOST designation | Nominal diameter Dw –(inch) | Nominal diameter Dw (мм) | Weight 1000 pcs.(кг. =) |
|---|---|---|---|
| ball 46,038 | 1 13⁄16 | 46,038 | 401 |
| ball 47,625 | 1 7⁄8 | 47,625 | 444 |
| ball 49,212 | 1 15⁄16 | 49,212 | 490 |
| ball 50,000 | - | 50,000 | 514 |
| ball 50,800 | 2 | 50,800 | 539 |
| ball 52,388 | 2 1⁄16 | 52,388 | 591 |
| ball 53,975 | 2 1⁄8 | 53,975 | 646 |
| ball 55,000 | - | 55,000 | 684 |
| ball 57,150 | 2 1⁄4 | 57,150 | 767 |
| ball 60,000 | - | 60,000 | 887 |
| ball 60,325 | 2 3⁄8 | 60,325 | 902 |
| ball 61,912 | 2 7⁄16 | 61,912 | 975 |
| ball 63,500 | 2 1⁄2 | 63,500 | 1052 |
| ball 65,000 | - | 65,000 | 1128 |
| ball 66,675 | 2 5⁄8 | 66,675 | 1218 |
| ball 69,850 | 2 3⁄4 | 69,850 | 1400 |
| ball 73,025 | 2 7⁄8 | 73,025 | 1600 |
| ball 75,000 | - | 75,000 | 1733 |
| ball 76,200 | 3 | 76,200 | 1818 |
| ball 79,375 | 3 1⁄8 | 79,375 | 2054 |
| ball 80,000 | - | 80,000 | 2103 |
| ball 82,550 | 3 1⁄4 | 82,550 | 2311 |
| ball 85,725 | 3 3⁄8 | 85,725 | 2588 |
| ball 88,900 | 3 1⁄2 | 88,900 | 2886 |
| ball 90,000 | - | 90,000 | 2995 |
| ball 92,075 | 3 5⁄8 | 92,075 | 3207 |
| ball 95,250 | 3 3⁄4 | 95,250 | 3550 |
| ball 98,425 | 3 7⁄8 | 98,425 | 3917 |
| ball100,000 | - | 100,000 | 4108 |
| ball 101,600 | 4 | 101,600 | 4308 |
| ball 104,775 | 4 1⁄8 | 104,775 | 4725 |
| ball 107,950 | 4 1⁄4 | 107,950 | 5168 |
| ball 108,000 | - | 108,000 | 5175 |
| ball 110,000 | - | 110,000 | 5468 |
| ball 111,125 | 4 3⁄8 | 111,125 | 5637 |
| ball 114,300 | 4 1⁄2 | 114,300 | 6134 |
| ball 120,000 | - | 120,000 | 7100 |
| ball 127,000 | - | 127,000 | 8415 |
| ball 150,000 | - | 150,000 | 13865 |



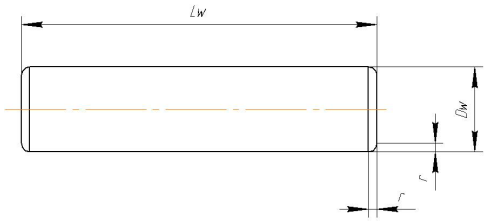

| GOST designation | Nominal diameter Dw –(inch) | Nominal diameter Dw (мм) | Weight 1000 pcs.(кг. =) |
|---|---|---|---|
| 3x4 | 3,0 | 4,0 | 0,22 |
| 3x5 | 3,0 | 5,0 | 0,27 |
| 3,5x5 | 3,5 | 5,0 | 0,37 |
| 4x4 | 4,0 | 4,0 | 0,38 |
| 4x6 | 4,0 | 6,0 | 0,58 |
| 4x8 | 4,0 | 8,0 | 0,78 |
| 4,5x4,5 | 4,5 | 4,5 | 0,55 |
| 4,5x5,5 | 4,5 | 5,5 | 0,68 |
| 4,5x6 | 4,5 | 6,0 | 0,73 |
| 5x5 | 5,0 | 5,0 | 0,75 |
| 5x8 | 5,0 | 8,0 | 1,21 |
| 5x10 | 5,0 | 10,0 | 1,52 |
| 5,5x5,5 | 5,5 | 5,5 | 1,00 |
| 5,5x8 | 5,5 | 8,0 | 1,46 |
| 5,5x9 | 5,5 | 9,0 | 1,67 |
| 6x6 | 6,0 | 6,0 | 1,30 |
| 6x8 | 6,0 | 8,0 | 1,78 |
| 6x8,5 | 6,0 | 8,5 | 1,87 |
| 6x9 | 6,0 | 9,0 | 1,98 |
| 6x10 | 6,0 | 10,0 | 2,19 |
| 6x12 | 6,0 | 12,0 | 2,61 |
| 6,5x6,5 | 6,5 | 6,5 | 1,66 |
| 6,5x8 | 6,5 | 8,0 | 2,00 |
| 6,5x9 | 6,5 | 9,0 | 2,30 |
| 6,5x11 | 6,5 | 11,0 | 2,85 |
| 7x7 | 7,0 | 7,0 | 2,06 |
| 7x10 | 7,0 | 10,0 | 2,96 |
| 7x14 | 7,0 | 14,0 | 4,17 |
| 7x17 | 7,0 | 17,0 | 5,10 |
| 7,5x7,5 | 7,5 | 7,5 | 2,54 |
| 7,5x9 | 7,5 | 9,0 | 3,06 |
| 7,5x10 | 7,5 | 10,0 | 3,40 |
| 7,5x11 | 7,5 | 11,0 | 3,74 |
| 8x8 | 8,0 | 8,0 | 3,08 |
| 8x10 | 8,0 | 10,0 | 3,91 |
| 8x12 | 8,0 | 12,0 | 4,65 |
| 8x14 | 8,0 | 14,0 | 5,49 |
| 8x16 | 8,0 | 16,0 | 6,27 |



| GOST designation | Nominal diameter Dw –(inch) | Nominal diameter Dw (мм) | Weight 1000 pcs.(кг. =) |
|---|---|---|---|
| 8x20 | 8,0 | 20,0 | 7,84 |
| 9x9 | 9,0 | 9,0 | 4,40 |
| 9x10 | 9,0 | 10,0 | 4,90 |
| 9x12 | 9,0 | 12,0 | 5,95 |
| 9x13 | 9,0 | 13,0 | 6,40 |
| 9x14 | 9,0 | 14,0 | 6,80 |
| 10x10 | 10,0 | 10,0 | 6,00 |
| 10x11 | 10,0 | 11,0 | 6,70 |
| 10x12 | 10,0 | 12,0 | 7,35 |
| 10x14 | 10,0 | 14,0 | 8,50 |
| 10x15 | 10,0 | 15,0 | 9,20 |
| 10x16 | 10,0 | 16,0 | 9,80 |
| 10x17 | 10,0 | 17,0 | 10,30 |
| 10x20 | 10,0 | 20,0 | 12,20 |
| 10x25 | 10,0 | 25,0 | 15,31 |
| 11x11 | 11,0 | 11,0 | 8,10 |
| 11x12 | 11,0 | 12,0 | 8,90 |
| 11x13 | 11,0 | 13,0 | 9,60 |
| 11x15 | 11,0 | 15,0 | 11,00 |
| 11x20 | 11,0 | 20,0 | 14,80 |
| 12x12 | 12,0 | 12,0 | 10,40 |
| 12x14 | 12,0 | 14,0 | 12,20 |
| 12x16 | 12,0 | 16,0 | 14,10 |
| 12x17 | 12,0 | 17,0 | 14,90 |
| 12x18 | 12,0 | 18,0 | 15,70 |
| 12x21 | 12,0 | 21,0 | 18,30 |
| 12x22 | 12,0 | 22,0 | 19,50 |
| 13x13 | 13,0 | 13,0 | 13,30 |
| 13x20 | 13,0 | 20,0 | 20,40 |
| 14x14 | 14,0 | 14,0 | 16,60 |
| 14x15 | 14,0 | 15,0 | 18,00 |
| 14x20 | 14,0 | 20,0 | 23,80 |
| 14x22 | 14,0 | 22,0 | 26,20 |
| 14x28 | 14,0 | 28,0 | 33,60 |
| 15x15 | 15,0 | 15,0 | 20,40 |
| 15x16 | 15,0 | 16,0 | 22,00 |
| 15x17 | 15,0 | 17,0 | 23,10 |
| 15x22 | 15,0 | 22,0 | 30,00 |
| 15x24 | 15,0 | 24,0 | 33,00 |
| 15x25 | 15,0 | 25,0 | 34,40 |
| 15x30 | 15,0 | 30,0 | 41,30 |
| 16x16 | 16,0 | 16,0 | 24,80 |
| 16x17 | 16,0 | 17,0 | 26,50 |
| 16x18 | 16,0 | 18,0 | 28,00 |
| 16x24 | 16,0 | 24,0 | 37,30 |
| 16x27 | 16,0 | 27,0 | 42,00 |
| 17x17 | 17,0 | 17,0 | 29,70 |

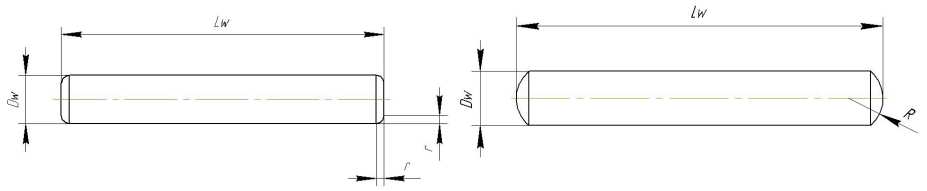



| GOST designation | Nominal diameter Dw –(inch) | Nominal diameter Dw (мм) | Weight 1000 pcs.(кг. =) |
|---|---|---|---|
| 17x24 | 17,0 | 24,0 | 42,00 |
| 18x18 | 18,0 | 18,0 | 35,70 |
| 18x19 | 18,0 | 19,0 | 37,70 |
| 18x26 | 18,0 | 26,0 | 51,00 |
| 18x30 | 18,0 | 30,0 | 59,50 |
| 19x19 | 19,0 | 19,0 | 41,60 |
| 19x20 | 19,0 | 20,0 | 44,40 |
| 19x21 | 19,0 | 21,0 | 46,00 |
| 19x28 | 19,0 | 28,0 | 61,00 |
| 19x32 | 19,0 | 32,0 | 70,30 |
| 20x20 | 20,0 | 20,0 | 48,50 |
| 20x30 | 20,0 | 30,0 | 73,00 |
| 21x21 | 21,0 | 21,0 | 56,00 |
| 21x22 | 21,0 | 22,0 | 59,00 |
| 21x30 | 21,0 | 30,0 | 80,00 |
| 21x32 | 21,0 | 32,0 | 86,00 |
| 22x22 | 22,0 | 22,0 | 64,00 |
| 22x24 | 22,0 | 24,0 | 71,00 |
| 22x34 | 22,0 | 34,0 | 100,00 |
| 23x23 | 23,0 | 23,0 | 74,00 |
| 23x34 | 23,0 | 34,0 | 112,00 |
| 24x24 | 24,0 | 24,0 | 84,00 |
| 24x26 | 24,0 | 26,0 | 92,00 |
| 24x36 | 24,0 | 36,0 | 126,00 |
| 24x38 | 24,0 | 38,0 | 134,00 |
| 25x25 | 25,0 | 25,0 | 95,00 |
| 25x27 | 25,0 | 27,0 | 103,00 |
| 25x33,5 | 25,0 | 33,5 | 128,00 |
| 25x36 | 25,0 | 36,0 | 137,00 |
| 25x40 | 25,0 | 40,0 | 154,00 |
| 26x26 | 26,0 | 26,0 | 107,00 |
| 26x28 | 26,0 | 28,0 | 116,00 |
| 26x40 | 26,0 | 40,0 | 164,00 |
| 26x48 | 26,0 | 48,0 | 198,00 |
| 28x28 | 28,0 | 28,0 | 133,00 |
| 28x30 | 28,0 | 30,0 | 143,00 |
| 28x36 | 28,0 | 36,0 | 174,00 |
| 28x44 | 28,0 | 44,0 | 210,00 |
| 28x46 | 28,0 | 46,0 | 221,00 |
| 30x30 | 30,0 | 30,0 | 163,00 |
| 30x42 | 30,0 | 42,0 | 232,00 |
| 30x48 | 30,0 | 48,0 | 262,00 |
| 30x52 | 30,0 | 52,0 | 284,00 |
| 32x32 | 32,0 | 32,0 | 199,00 |
| 32x46 | 32,0 | 46,0 | 289,00 |
| 32x52 | 32,0 | 52,0 | 324,00 |
| 34x34 | 34,0 | 34,0 | 239,00 |
| 34x55 | 34,0 | 55,0 | 387,00 |
| 34x66 | 34,0 | 66,0 | 467,00 |
| 35x26 | 35,0 | 26,0 | 195,00 |
| 36x36 | 36,0 | 36,0 | 283,00 |
| 36x58 | 36,0 | 58,0 | 457,00 |
| 68x38 | 68,0 | 38,0 | 333,00 |
| 38x52 | 38,0 | 52,0 | 464,00 |
| 38x62 | 38,0 | 62,0 | 550,00 |
| 40x40 | 40,0 | 40,0 | 389,00 |
| 40x65 | 40,0 | 65,0 | 630,00 |
| 42x42 | 42,0 | 42,0 | 457,00 |
| 42x62 | 42,0 | 62,0 | 675,00 |
| 42x65 | 42,0 | 65,0 | 707,00 |
| 42x67 | 42,0 | 67,0 | 734,00 |
| 42x70 | 42,0 | 70,0 | 761,00 |
| 45x45 | 45,0 | 45,0 | 562,00 |
| 45x48 | 45,0 | 48,0 | 599,00 |
| 45x55 | 45,0 | 55,0 | 686,00 |
| 45x65 | 45,0 | 65,0 | 850,00 |
| 45x75 | 45,0 | 75,0 | 936,00 |
| 45x80 | 45,0 | 80,0 | 998,00 |
| 45x90 | 45,0 | 90,0 | 1123,00 |
| 48x48 | 48,0 | 48,0 | 682,00 |
| 48x70 | 48,0 | 70,0 | 991,00 |
| 48x80 | 48,0 | 80,0 | 1133,00 |
| 50x50 | 50,0 | 50,0 | 770,00 |
| 50x85 | 50,0 | 85,0 | 1309,00 |
| 50x100 | 50,0 | 100,0 | 1541,00 |




| GOST designation | Nominal diameter Dw –(inch) | Nominal diameter Dw (мм) | Weight 1000 pcs.(кг. =) |
|---|---|---|---|
| 3x9 | 3,0 | 9,0 | 0,49 |
| 3x12 | 3,0 | 12,0 | 0,66 |
| 3x15 | 3,0 | 15,0 | 0,82 |
| 4x12 | 4,0 | 12,0 | 1,18 |
| 4x16 | 4,0 | 16,0 | 1,57 |
| 4x20 | 4,0 | 20,0 | 1,97 |
| 5x15 | 5,0 | 15,0 | 2,29 |
| 5x20 | 5,0 | 20,0 | 3,06 |
| 5x25 | 5,0 | 25,0 | 3,83 |
| 6x18 | 6,0 | 18,0 | 4,00 |
| 6x24 | 6,0 | 24,0 | 5,30 |
| 6x30 | 6,0 | 30,0 | 6,63 |
| 6,5x20 | 6,5 | 20,0 | 5,17 |
| 6,5x26 | 6,5 | 26,0 | 6,73 |
| 6,5x33 | 6,5 | 33,0 | 8,55 |
| 7x21 | 7,0 | 21,0 | 6,29 |
| 7x24 | 7,0 | 24,0 | 7,20 |
| 7x28 | 7,0 | 28,0 | 8,40 |
| 7x35 | 7,0 | 35,0 | 10,50 |

| GOST designation | Nominal diameter Dw –(inch) | Nominal diameter Dw (мм) | Weight 1000 pcs.(кг. =) |
|---|---|---|---|
| 7,5x22 | 7,5 | 22,0 | 7,57 |
| 7,5x30 | 7,5 | 30,0 | 10,30 |
| 7,5x38 | 7,5 | 38,0 | 13,10 |
| 8x24 | 8,0 | 24,0 | 9,40 |
| 8x32 | 8,0 | 32,0 | 12,60 |
| 8x40 | 8,0 | 40,0 | 15,70 |
| 9x27 | 9,0 | 27,0 | 13,40 |
| 9x36 | 9,0 | 36,0 | 17,90 |
| 9x45 | 9,0 | 45,0 | 22,40 |
| 10x30 | 10,0 | 30,0 | 18,30 |
| 10x40 | 10,0 | 40,0 | 24,50 |
| 10x50 | 10,0 | 50,0 | 30,70 |
| 12x36 | 12,0 | 36,0 | 31,70 |
| 12x48 | 12,0 | 48,0 | 42,40 |
| 12x60 | 12,0 | 60,0 | 53,00 |
| 15x45 | 15,0 | 45,0 | 62,00 |
| 15x60 | 15,0 | 60,0 | 82,00 |
| 15x75 | 15,0 | 75,0 | 103,60 |
| 15x90 | 15,0 | 90,0 | 124,40 |




**OPTION A** **OPTION B**

| GOST designation | Nominal diameter Dw –(inch) | Nominal diameter Dw (мм) | Weight 1000 pcs.(кг. =) |
|---|---|---|---|
| 1x5,8 | 1,0 | 5,8 | 0,036 |
| 1x6,8 | 1,0 | 6,8 | 0,042 |
| 1x7,8 | 1,0 | 7,8 | 0,047 |
| 1x9,8 | 1,0 | 9,8 | 0,060 |
| 1,5x5,8 | 1,5 | 5,8 | 0,081 |
| 1,5x6,8 | 1,5 | 6,8 | 0,095 |
| 1,5x7,8 | 1,5 | 7,8 | 1,120 |
| 1,5x9,8 | 1,5 | 9,8 | 0,150 |
| 1,5x11,8 | 1,5 | 11,8 | 0,180 |
| 1,5x13,8 | 1,5 | 13,8 | 0,210 |
| 1,6x7,8 | 1,6 | 7,8 | 0,150 |
| 1,6x9,8 | 1,6 | 9,8 | 0,160 |
| 1,6x11,8 | 1,6 | 11,8 | 0,190 |
| 1,6x13,8 | 1,6 | 13,8 | 0,220 |
| 1,6x15,8 | 1,6 | 15,8 | 0,250 |
| 2x6,3 | 2,0 | 6,3 | 0,150 |
| 2x6,8 | 2,0 | 6,8 | 0,160 |
| 2x7,8 | 2,0 | 7,8 | 0,190 |
| 2x9,8 | 2,0 | 9,8 | 0,240 |
| 2x11,8 | 2,0 | 11,8 | 0,290 |
| 2x13,8 | 2,0 | 13,8 | 0,340 |
| 2x15,8 | 2,0 | 15,8 | 0,390 |
| 2x17,8 | 2,0 | 17,8 | 0,450 |
| 2x19,8 | 2,0 | 19,8 | 0,490 |
| 2,5x7,8 | 2,5 | 7,8 | 0,300 |
| 2,5x9,8 | 2,5 | 9,8 | 0,380 |
| 2,5x11,8 | 2,5 | 11,8 | 0,450 |
| 2,5x13,8 | 2,5 | 13,8 | 0,530 |
| 2,5x15,8 | 2,5 | 15,8 | 0,610 |
| 2,5x17,8 | 2,5 | 17,8 | 0,690 |
| 2,5x19,8 | 2,5 | 19,8 | 0,750 |
| 2,5x23,8 | 2,5 | 23,8 | 0,920 |
| 2,5x21,8 | 2,5 | 21,8 | 0,850 |
| 3x9,8 | 3,0 | 9,8 | 0,540 |
| 3x11,8 | 3,0 | 11,8 | 0,650 |
| 3x13,8 | 3,0 | 13,8 | 0,760 |
| 3x15,8 | 3,0 | 15,8 | 0,870 |
| 3x17,8 | 3,0 | 17,8 | 0,990 |

| GOST designation | Nominal diameter Dw –(inch) | Nominal diameter Dw (мм) | Weight 1000 pcs.(кг. =) |
|---|---|---|---|
| 3x19,8 | 3,0 | 19,8 | 1,100 |
| 3x21,8 | 3,0 | 21,8 | 1,220 |
| 3x23,8 | 3,0 | 23,8 | 1,320 |
| 3x25,8 | 3,0 | 25,8 | 1,430 |
| 3x27,8 | 3,0 | 27,8 | 1,540 |
| 3x29,8 | 3,0 | 29,8 | 1,620 |
| 3,5x11,8 | 3,5 | 11,8 | 0,900 |
| 3,5x13,8 | 3,5 | 13,8 | 1,050 |
| 3,5x15,8 | 3,5 | 15,8 | 1,200 |
| 3,5x17,8 | 3,5 | 17,8 | 1,350 |
| 3,5x19,8 | 3,5 | 19,8 | 1,510 |
| 3,5x21,8 | 3,5 | 21,8 | 1,650 |
| 3,5x23,8 | 3,5 | 23,8 | 1,800 |
| 3,5x25,8 | 3,5 | 25,8 | 1,950 |
| 3,5x27,8 | 3,5 | 27,8 | 2,100 |
| 3,5x29,8 | 3,5 | 29,8 | 2,250 |
| 3,5x34,8 | 3,5 | 34,8 | 2,650 |
| 4x15,8 | 4,0 | 15,8 | 1,500 |
| 4x17,8 | 4,0 | 17,8 | 1,720 |
| 4x19,8 | 4,0 | 19,8 | 1,970 |
| 4x21,8 | 4,0 | 21,8 | 2,150 |
| 4x23,8 | 4,0 | 23,8 | 2,370 |
| 4x25,8 | 4,0 | 25,8 | 2,610 |
| 4x27,8 | 4,0 | 27,8 | 2,830 |
| 4x29,8 | 4,0 | 29,8 | 2,950 |
| 4x34,8 | 4,0 | 34,8 | 3,450 |
| 4x39,8 | 4,0 | 39,8 | 3,900 |
| 5x19,8 | 5,0 | 19,8 | 2,840 |
| 5x21,8 | 5,0 | 21,8 | 3,160 |
| 5x23,8 | 5,0 | 23,8 | 3,480 |
| 5x24,8 | 5,0 | 24,8 | 3,640 |
| 5x25,8 | 5,0 | 25,8 | 3,800 |
| 5x27,8 | 5,0 | 27,8 | 4,120 |
| 5x29,8 | 5,0 | 29,8 | 4,620 |
| 5x34,8 | 5,0 | 34,8 | 5,390 |
| 5x39,8 | 5,0 | 39,8 | 6,150 |
| 5x44,8 | 5,0 | 44,8 | 6,940 |
| 5x49,8 | 5,0 | 49,8 | 7,500 |
| 6x49,8 | 6,0 | 49,8 | 11,050 |
| 6x59,8 | 6,0 | 59,8 | 13,250 |

# LUBRICANTS

| DESIGNATION | Lubricant Mark (ГОСТ, ТУ) | Temperature range of use, °C | Lubricant Group | Note |
|---|---|---|---|---|
| - | ЦИАТИМ-201 (ГОСТ 6267-74) | -60…+90 | Low-temperature | Light yellow brown |
| C1 | ОКБ-122-7 (ГОСТ18179-72) | -40…+100 | Instrumental | |
| C2 | ЦИАТИМ-221 (ГОСТ9433-80) | -60…+160 | Thermoresistant | Light yellow light red. |
| C3 | ВНИИНП-210 (ТУ 38.101275-72) | -60…+250 | Thermoresistant | |
| C4 | ЦИАТИМ-221С | -60…+200 | Thermoresistant | |
| C5 | ЦИАТИМ-202(ГОСТ 11110-75) | -40…+110 | Instrumental | Light yellow light red |
| C6 | ПФМС-4С (ТУ 6.02.917-79) | -30…+300 | Thermoresistant | |
| C7 | ВНИИНП-271 (ТУ38.101603-76) | -60…+130 | Instrumental | Beige |
| C8 | ВНИИНП-235(ТУ 38.101297-78) | -60…+250 | Thermoresistant | Black |
| C9 | ЛЗ-31 (ТУ 38.1011144-88) | -40…+130 | Automotive | Light yellow brown |
| C10 | №158 (ТУ 38.101320-77) | -30…+100 | Automotive | |
| C11 | Сиол (ТУ 38.10152-74) | -30…+130 | Industrial | |
| C12 | ВНИИНП-260 (ГОСТ 19832-74) | -60…+180 | instrumental | |
| C13 | ВНИИНП-281 (ТУ 38.101123-81) | -60…+120 | Aviation | |
| C14 | Фиол-29 (ТУ 38УССР201143-77) | -40…+100 | Automotive | Rocking |
| C15 | ВНИИНП-207 (ГОСТ 19774-74) | -60…+200 | Thermoresistant | |
| C16 | ВНИИНП-246 (ГОСТ 18852-73) | -60…+250 | Thermoresistant | |

| DESIGNATION | Lubricant Mark (ГОСТ, ТУ) | Temperature range of use, °C | Lubricant Group | Note |
|---|---|---|---|---|
| C17 | Литол-24 (ГОСТ 21150-87) | -40…+120 | Multifunctional | Light yellow brown |
| C18 | ВНИИНП-233 (ТУ 38.101687-77) | -40…+250 | Thermoresistant | Rocking |
| C19 | ВНИИНП-286 | | | |
| C20 | ВНИИНП—274 (ГОСТ 19337-73) | -80…+130 | Instrumental | |
| C21 | Эра (ТУ 38.101950-83) | -60…+120 | Aviation | |
| C22 | СВЭМ (ТУ 38.101982-84) | -50…+120 | For electrical machines | |
| C23 | ШРУС-4 (ТУ 38УССР201312-81) | -40…+120 | Automotive | Dark grey Black |
| C24 | СЭДА | -60…+180 | Aviation | |
| C25 | ИНДА (ТУ 38.101991-84) | -30…+300 | Thermoresistant | Low-speed conveyors |
| C26 | ЛДС-3 (ТУ 38УССР201473-87) | -50…+120 | For electrical machines | |
| C27 | Фанол | -40…+100 | Hubs of agricultural machinery | |
| C28 | ШЕВРОН | -30…+177 | High-speed, moisture-proof | Dark green |
| C29 | РОБОТЕМП (ТУ38.301-40-31-94) | -50…+150 | Refractory | |
| C30 | ЮНОЛА (ТУ 38.590.1279-91) | -50…+160 | For textile equipment | |
| H65 | HASKEY Coolube 65 Grase (минеральная) | -60…+154 | Electric motors for freezers | Yellow |
| H3L | HASKEY HTL - 500 PTFE Greas (синтет.) | -60…+266 | Chains of furnaces, pumps, cardans | Light |
| L06 | BEACON - 325 | -55…+120 | | |

# APPENDICES

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DESIGNATIONS OF BEARINGS OF THE MANUFACTURING COUNTRIES ..... 790

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## RULES OF DRAWING DESIGNATION ACCORDING TO ISO

| | |
|---|---|
| **PREFIX (loading capacity level, noncorrosive steel, separate elements of a design, etc.)** | |
| SPACING | |
| **MAIN DESIGNATION** | **222222** |
| SPACING | |
| **INTERNAL DESIGN** (existence of boards on races, the angle of contact piece) | **CA** |
| **EXTERNAL DESIGN (type of seal, groove and retaining races, conicity of a bore)** | **K** |
| **MATERIAL, HEAT TREATMENT OF RACES AND ROLLING ELEMENTS (cemented, normal steel)** | **MB** |
| SLASH | / |
| **MATERIAL, HEAT TREATMENT OF RACES AND ROLLING ELEMENTS (cemented, normal steel)** | |
| **ACCURACY, SPACING, NOISINESS (C3 P6+ = P63, Q)** | **P63** |
| **COMPLETENESS (duplex, triplex, quadriplex)** | |
| **STABILIZATION (working temperature): S0, S1, S2.....** | |
| **GREASING (existence of grooves and bores, brand of a lubricant grease)** | **W33** |
| **OTHER OPTIONS** | |

Example of designation: **22222 CAKMB/C3W33**

## ADDITIONAL SYMBOLS BEARING BBF, TAKING INTO ACCOUNT THE DIFFERENCES FROM THE STANDARD VERSION

Additional symbols adopted in the form of a suffix of the form K _ _ / _ following the basic designation where:
in the first place– Bearing Type Code – код «7» - for roller conical;
in second place – Number in accordance with the table of design differences;
in third place – Additional structural changes.

| Constructive changes | Notation BBF | Notation ISO (ZWZ) | Notes |
|---|---|---|---|
| Installation height «T» | 1 | X2 | |
| Height of the outer ring «C» | 2 | | |
| Height of the inner ring «B» | 3 | | |
| Height of the outer ring «C» and total installation height «T» | 4 | | |
| Difference internal design | 5 | | |
| Inner diameter «d» | 6 | | |
| Outer diameter «D» | 7 | X1 | |
| Total height «T» and outer diameter «D» | 8 | X3 | |
| Difference in total height T from base size | /1 | | |
| Difference in the total height from the outer ring from the base dimension | /2 | | |
| The difference between the overall height «T» and the height «B» from the «base» | /3 | | |

Example:

| BBF | ISO | d | D | B | C | T |
|---|---|---|---|---|---|---|
| 97524 | 352224 | 120 | 215 | 58 | 112 | 136 |
| 97524 K 74 | 352224 | 120 | 215 | 58 | 109 | 132 |

## EXAMPLES OF THE COMPLETE SET OF ROLLER SPHERICAL BEARINGS WITH THE CONICAL BORE FIXING AND COUPLING BARRELS

| Size | With fixing barrels | Bearings GOST | d | Bearings ISO | Fixing barrels | With coupling barrels | Coupling barrels |
|---|---|---|---|---|---|---|---|
| 60x120x31/50 | 13 512 | 113 513 | 65 | 22213 CAK | H 313 | | AH 313 |
| 70x140x33/59 | 13 514 | 113 516 | 80 | 22216 CAK | H 316 | | AH 316 |
| 75x150x36/63 | 13 515 | 113 517 | 85 | 22217 CAK | H 317 | | AHX 317 |
| 80x160x40/65 | 13 516 | 113 518 | 90 | 22218 CAK | H 318 | | AHX 318 |
| 90x180x46/71 | 13 518 | 113 520 | 100 | 22220 CAK | H 320 | 73519 | AHX 320 |
| 100x200x53/77 | 13 520 | 113 522 | 110 | 22222 CAK | H 322 | | AHX 3122 |
| 110x215x58/88 | 13 522 | 113 524 | 120 | 22224 CAK | H 3124 | | AHX 3214 |
| 115x230x64/92 | 13 523 | 113 526 | 130 | 22226 CAK | H 3126 | | AHX 3126 |
| 125x250x68/97 | 13 525 | 113 528 | 140 | 22228 CAK | H 3128 | | AHX 3128 |
| 140x290x80/119 | 13 528 | 113 532 | 160 | 22232 CAK | H 3132 | | AH 3132 |
| 150x310x86/122 | 13 530 | 113 534 | 170 | 22234 CAK | H 3134 | | AH 3134 |
| 160x320x86/131 | 13 532 | 113 536 | 180 | 22236 CAK | H 3136 | | |
| 170x340x92/141 | 13 534 | 113 538 | 190 | 22238 CAK | H 3138 | 73536 | AH 2238 |
| 180x360x98/150 | 13 536 | 113 540 | 200 | 22240 CAK | H 3140 | | |
| 220x440x120/154 | 13 544 | 113 548 | 240 | 22248 CAK | OH 3148H | 73544 | AOH 3148 |
| 240x480x130/179 | 13 548 | 113 552 | 260 | 22252 CAK | OH 3152H | | |
| | | | | | | | |
| 45x110x40/55 | 13 609 | 113 610 | 50 | 22310 CAK | H 2310 | 73609 | AHX 2310 |
| 50x120x43/59 | 13 610 | 113 611 | 55 | 22311 CAK | H 2311 | 73610 | AHX 2311 |
| 55x130x46/62 | 13 611 | 113 612 | 60 | 22312 CAK | H 2312 | 73611 | AHX 2312 |
| 60x140x48/65 | 13 612 | 113 613 | 65 | 22313 CAK | H 2313 | 73612 | AHX 2313 |
| 60x150x51/68 | н/ст. | 113 614 | 70 | 22314 CAK | H 2314 | 73613 | AHX 2314 |
| 65x160x55/73 | 13 613 | 113 615 | 75 | 22315 CAK | H 2315 | 73614 | AHX 2315 |
| 70x170x58/78 | 13 614 | 113 616 | 80 | 22316 CAK | H 2316 | 73615 | AHX 2316 |
| 75x180x60/82 | 353 615 | 113 617 | 85 | 22317 CAK | H 2317 | 73616 | AHX 2317 |
| 80x190x64/86 | 13 616 | 113 618 | 90 | 22318 CAK | H 2318 | 73617 | AHX 2318 |
| 90x215x73/97 | 13 618 | 113 620 | 100 | 22320 CAK | H 2320 | 73619 | AHX 2320 |
| 100x240x80/105 | 13 620 | 113 622 | 110 | 22322 CAK | H 2322 | 73620 | AHX 2322 |
| 110x260x86/112 | 13 622 | 113 624 | 120 | 22324 CAK | H 2324 | 73623 | AHX 2324 |
| 135x320x108/139 | 13 627 | 113 630 | 150 | 22330 CAK | H 2330 | 73629 | AHX 2330 |
| 140x340x114/147 | 13 628 | 113 632 | 160 | 22332 CAK | H 2332 | 73630 | AH 2332 |
| 150x360x120/154 | 13 630 | 113 634 | 170 | 22334 CAK | H 2334 | | AH 2334 |
| 160x380x126/161 | 13 632 | 113 636 | 180 | 22336 CAK | H 2336 | 73634 | AH 2336 |
| 170x400x132/169 | 13 634 | 113 638 | 190 | 22338 CAK | H 2338 | 73636 | AH 2338 |
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| | | | | | | | |
| 125x210x53/82 | 3 013 125 | 3 113 128 | 140 | 23028 CAK | H 3028 | | |
| 200x340x90/126 | 3 013 140 | 3 113 144 | 220 | 23044 CAK | OH 3044H | | |
| 220x360x92/133 | 3 013 144 | 3 113 148 | 240 | 23048 CAK | OH 3048H | | |
| 240x400x104/147 | 3 013 148 | 3 113 152 | 260 | 23052 CAK | OH 3052H | | |
| 260x420x106/152 | 3 013 152 | 3 113 156 | 280 | 23056 CAK | OH 3056H | | |
| 280x460x118/168 | 3 013 156 | 3 113 160 | 300 | 23060 CAK | OH 3060H | | |
| 280x600x148/244 | 3 013 176 | 3 113 180 | 400 | 23080 CAK | OH 3080H | | |

| Size | With fixing barrels | Bearings GOST | d | Bearings ISO | Fixing barrels | With coupling barrels | Coupling barrels |
|---|---|---|---|---|---|---|---|
| 100x200x69,8/90 | 3 013 220 | | 110 | 23222 CAK | H 2322 | | |
| 360x680x240/310 | 3 013 272 | | 380 | 23276 CAK | OH 3276H | | |
| | | | | | | | |
| 200x370x120/161 | 3 013 740 | | 220 | 23144 CAK | OH 3144H | | |
| 220x400x128/172 | 3 013 744 | | 240 | 23148 CAK | OH 3148H | | |
| 240x440x144/190 | 3 013 748 | 3 113 752 | 260 | 23152 CAK | OH 3152H | | |
| 360x620x194/264 | 3 013 772 | 3 113 776 | 380 | 23176 CAK | H 3176H | | |
| | | | | | | | |
| 70x140x33/59 | 353 514 | 153 516 | 80 | 22216 CCK | H 316 | | |
| 80x160x40/65 | 353 516 | 153 518 | 90 | 22218 CCK | H 318 | | |
| 90x180x46/71 | 353 518 | 153 520 | 100 | 22220 CCK | H 320 | | |
| 100x200x53/77 | 353 520 | 153 522 | 110 | 22222 CCK | H 322 | | |
| 110x215x58/88 | 353 522 | 153 524 | 120 | 22224 CCK | H 3124 | | |
| 115x230x64/92 | 353 523 | 153 256 | 130 | 22226 CCK | H 3126 | | |
| 125x250x68/97 | 353 525 | 153 528 | 140 | 22228 CCK | H 3128 | | |
| 140x290x80/119 | 353 528 | 153 532 | 160 | 22232 CCK | H 3132 | | |
| 140x290x104/147 | 3 353 225 | 153 532 | 160 | 23232 CCK | H 2332 | | |
| | | | | | | | |
| 65x160x55/73 | 353 613 | 153 615 | 75 | 22315 CCK | H 2315 | | |
| 70x170x58/78 | 353 614 | 153 616 | 80 | 22316 CCK | H 2316 | | |
| 90x215x73/97 | 353 618 | 153 620 | 100 | 22320 CCK | H 2320 | | |

## DESIGNATIONS OF BEARINGS OF MANUFACTURING COUNTRIES

| CIS<br>BBF | Sweden<br>SKF | Japan<br>NSK |
|---|---|---|
| 100 | 6000 | 6000 |
| 200 | 6200 | 6200 |
| 300 | 6300 | 6300 |
| 400 | 6400 | 6400 |
| 1200 | 1200 | 1200 |
| 1300 | 1300 | 1300 |
| 1500 | 2200 | 2200 |
| 1600 | 2300 | 2300 |
| 2100 | NU1000* | NU1000 |
| 2200 | N200 | N200 |
| 2300 | N300 | N300 |
| 2400 | N400 | N400 |
| 2500 | N2200 | N2200 |
| 2600 | N2300 | N2300 |
| 3500 | 22200 | 22200 |
| 3600 | 22300 | 22300 |
| 6003…6020 | E3…E20 | E3…E20 |
| 7200 | 30200 | HR 30200 |
| 7300 | 30300 | HR 30300 |
| 7500 | 32200 | HR 32200 |
| 7600 | 32300 | HR 32300 |
| 8100 H | 51100 | 51100 |
| 8200 H | 51200 | 51200 |
| 9100 | 81100 | AZ…** |
| 9200 | 81200 | AZ…** |
| 11200 | 1200K+H200 | 1200K+H200 |
| 11300 | 1300K+H300 | 1300K+H300 |
| 11500 | 2200K+H300 | 2200K+H300 |
| 11600 | 2300K+H2300 | 2300K+H2300 |
| 12200 | NF200 | NF200 |
| 12300 | NF300 | NF300 |
| 12600 | NF2300 | NF2300 |
| 13600 | 22300K+H2300 | 22300K+H2300 |
| 18200 | 53200+U200 | 53200U |
| 18300 | 53300+U300 | 53300U |
| 27300 | 31300 | 30300D |
| 32100 | NU1000 | NU1000 |
| 32200 | NU200 | NU200 |
| 32300 | NU300 | NU300 |
| 32400 | NU400 | NU400 |
| 32500 | NU2200 | NU2200 |
| 32600 | NU2300 | NU2300 |
| 36100 | 7000CD | 7000C |
| 36200 | 7200CD | 7200C |
| 38200 | 52200 | 52200 |
| 38300 | 52300 | 52300 |

| CIS<br>BBF | Sweden<br>SKF | Japan<br>NSK |
|---|---|---|
| 42200 | NJ200 | NJ200 |
| 42300 | NJ300 | NJ300 |
| 42400 | NJ400 | NJ400 |
| 42500 | NJ2200 | NJ2200 |
| 42600 | NJ2300 | NJ2300 |
| 46100 | 7000ACD | 7000ACD |
| 46200 | 7200ACD | 7200ACD |
| 46300 | 7300BE | 7300BE |
| 50200 | 6200N | 6200N |
| 50300 | 6300N | 6300N |
| 50400 | 6400N | 6400N |
| 52300 | NU300+HJ300 | NU300+HJ300 |
| 53500 | 22200 | 22200 |
| 53600 | 22300 | 22300 |
| 60100 | 6000-Z | 6000Z |
| 60200 | 6200-Z | 6200Z |
| 60300 | 6300-Z | 6300Z |
| 62300 | NJ300+HJ300 | NH300 |
| 62400 | NJ400+HJ400 | NH400 |
| 62600 | NJ2300+HJ2300 | NH2300 |
| 66100 | 7000B | 7000B |
| 66200 | 7200BEP | 7200BEP |
| 66300 | 7300BM | 7300BM |
| 66400 | 7400BM | 7400BM |
| 73600 | 22300K+AHX2300 | 22300K+AHX2300 |
| 80100 | 6000-2Z | 6000-ZZ |
| 80200 | 6200-2Z | 6200-ZZ |
| 80300 | 6300-2Z | 6300-ZZ |
| 92200 | NUP200 | NUP200 |
| 92300 | NUP300 | NUP300 |
| 92400 | NUP400 | NUP400 |
| 92500 | NUP2200 | NUP2200 |
| 92600 | NUP2300 | NUP2300 |
| 111200 | 1200K | 1200K |
| 111300 | 1300K | 1300K |
| 111500 | 2200K | 2200K |
| 111600 | 2300K | 2300K |
| 113500 | 22200K | 22200K |
| 113600 | 22300K | 22300K |
| 126100 | QJ1000 | |
| 126200 | QJ200 | |
| 126300 | QJ300 | |
| 150200 | 6200-ZN | 6200ZN |
| 150300 | 6300-ZN | 6300ZN |
| 153500 | 22200K | 22200K |
| 153600 | 22300K | 22300K |

| CIS<br>BBF | Sweden<br>SKF | Japan<br>NSK |
|---|---|---|
| 160200 | 6200-RS | 6200NSL |
| 176100 | QJ1000 | |
| 176200 | QJ200 | |
| 176300 | QJ300 | |
| 178800 | 234400BM1 | ***…TAD20 |
| 180200 | 6200-2RS | 6200 2NSL |
| 180300 | 6300-2RS | 6300 2NSL |
| 180500 | 62200-2RS | 62200 2NSL |
| 180600 | 62300-2RS | 62300 2NSL |
| 246300 | 2x7300BECB | 2x7300B |
| 292100 | RNU100 | RNU100 |
| 292200 | RNU200 | RNU200 |
| 292600 | RNU2300 | RNU2300 |
| 346300 | 2x7300BECB | 2x7300B |
| 446200 | 2x7200BECB | 2x7200B |
| 466300 | 2x7300BECB | 2x7300B |
| 480200 | YAR200 | UC200 |
| 1000800 | 61800 | 6800 |
| 1000900 | 61900 | 6900 |
| 2007100 | 32000 | 23000 |
| 2007900 | 32900 | 23900 |
| 3056200 | 3200 | 5200 |
| 3182100 | NN3000K | NN3000K |
| 4162900 | NNU4900K | NNU4900K |
| 4244900 | NA4900 | NA4900 |
| 4254900 | RNA4900 | RNA4900 |
| 7000100 | 16000 | 16000 |
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| ШС4 - ШС300 | G4ESA - G300ESA | 730-732 |
| ШСП4 - ШСПШСП300 | GE4ESA - GE300ESA | 732-734 |
| GШСП4 - GШСП280 | GEH4ES - GEH280ES | 734-736 |
| 2Ш10 - 2Ш25 | | 736 |
| 2ШС10 - 2ШС25 | | 736 |
| ШСЛ60 - ШСЛ130 | GI60ESA - GI130ESA | 736 |
| 2ШСЛ50 - 2ШСЛ150 | | 738 |
| ШСШ12 - ШСШ320 | GEG12ES - GEG320ES | 738 |
| СШСП320 - СШСП1250 | GE320ES - GE1250ES | 738-740 |
| | | |
| ШП25Т-2RS - ШП90Т-2RS | GE25UK-2RS - GE90UK-2RS | 724 |