

Content

Content	1
Introduction.....	3
BEARINGS IN GENERAL	4
TYPES OF ROLLER BEARINGS	4
Single-row radial bearings.....	4
Double-row radial ball spherical bearings.....	4
Roll radial bearings with short cylindrical rolls.....	5
Double-row spherical radial roll bearings	6
Roll radial bearings with long cylindrical or needle rollers	6
Radial thrust ball bearings	6
BEARING CODING SYSTEM	9
Inner diameter code.....	9
Additional symbols in code	9
ACCURACY RATING CHOICES	13
BEARING APPLICABILITY CHART	14
SPECIFIC SPEED	15
BEARING	16
APPLICABILITY	16
CLASSIFIER.....	16
PASSENGER CARS.....	17
CARGO VEHICLES.....	17
BUSES AND TROLLEYBUSES	25
COMBINE HARVESTERS	27
REAR HOES	27
Application of Bearings to Trailer Units	27
Railway Bearings – Railroad Manufacturing	28
Roller/Converter Bearings for Metallurgy Applications	29
Bearings For Oil & Gas Industry	31
Bearings for Cement Industry.....	31
Bearings for Coal Industry	32
Cylindrical roller bearings with short rollers and flangeless inner ring	35
CYLINDRICAL ROLLER BEARINGS WITH SHORT ROLLERS, WITH SINGLE FLANGE INNER RING AND FLAT BEARING COLLAR	36
CYLINDRICAL ROLLER BEARINGS WITH SHORT ROLLERS AND SINGLE FLANGE INNER RING	36
Double-row cylindrical roller bearings with short rollers, flangeless inner and outer rings and solid metal retainer	37
Cylindrical roller bearings with short rollers with flangeless outer ring and solid metal retainer	37
Double-row cylindrical roller bearings with short rollers, flangeless inner ring and solid metal retainer	38
Double-row cylindrical roller bearings with short rollers, wide flangeless outer ring and solid metal retainer	38
Double-row cylindrical roller bearings with short rollers and flangeless outer ring with taper bore.....	39
Triple-row cylindrical roller bearings with short rollers	39
Triple-row cylindrical roller bearings with short rollers, inner ring with plain bore and flangeless outer ring	40
Cylindrical roller bearings with short rollers and flangeless outer/inner rings with flat bearing collars.....	40

Cylindrical roller bearings with short rollers	41
Cylindrical roller bearings with short rollers	41
Roller bearings w/o outer/inner rings	42
Four-row cylindrical roller bearings with short rollers	42
Four-row cylindrical roller bearings with short rollers and wide flangeless outer ring with solid metal retainer	42
Six-row cylindrical roller bearings with short rollers	43
Four-row cylindrical roller bearings with short rollers	43
Double-row support rollers with integrated flange without retainer	44
Four-row cylindrical roller bearings with short rollers	44
Double-row Spherical Roller Bearings	45
Double-row spherical roller split bearings	49
Double-row spherical roller bearings with taper bore inner ring	49
Radial Ball Bearings.....	51
Single-row radial ball bearings with split inner ring	51
Radial Ball Bearings.....	52
Duplex radial ball bearings	52
Railway bearings.....	53
Single-row radial roller bearings with taper rollers	55
Single-row radial-thrust roller bearings with taper rollers and flanged cup	82
Radial-thrust roller bearings with taper rollers	83
Single-row radial-thrust roller bearings with taper rollers without inner ring	83
Tapered roller bearings with spring collar	83
Double-row radial-thrust roller bearings with taper rollers	84
Double-row radial-thrust roller bearings with taper rollers and flanged cup	88
Double-row radial-thrust roller bearings with taper rollers and double outer ring	88
Duplex single-row radial-thrust roller bearings with taper rollers.....	89
Four-row radial-thrust roller bearings with taper rollers	90
Radial-thrust roller bearings with taper rollers and assembled retainer	93
Four-row radial-thrust roller bearings with taper rollers and taper bore inner ring	93
Ball thrust bearings	94
Angular contact ball bearings	94
Purpose-built single-row angular contact ball bearings	95
Double-row angular contact ball bearings	95
Duplex ball thrust bearings	95
Single cylindrical roller thrust bearings	96
Single cylindrical roller thrust bearings	96
Single cylindrical roller thrust bearings with internal spherical ring	97
Duplex cylindrical roller thrust bearings	97
Single cylindrical roller thrust bearings with taper rollers	97
Roller thrust bearings with taper rollers and outside band	98
Duplex roller thrust bearings with taper rollers	98
Tapered roller thrust bearings	98
Radial-thrust roller bearings with spherical seat.....	99
Joint-type bearings	100
Combined cylindrical roller bearings with short rollers.....	100
Design and manufacture of large-size bearings analogous to those manufactured by foreign companies	101
Servicing.....	104

Introduction

The Samara Bearing Plant is well known both in Russia and abroad. Samara Bearing Plant OJSC bearings are used to rotate the turbines on the largest HPPs in the country, on the Volga, Yenisei, and Angara rivers. SPZ GROUP big bearings are valued by customers inside and outside Russia.

Customers of big or massive bearings should note that our range of products includes unique separable bearings (e.g. 538/1320XK). These are bearings with separable inner and outer rings. They are used on the largest Russian metallurgical plants in converter shops but can be used for all applications requiring bearings capable of carrying extreme loads. However, their main advantage lies elsewhere. Replacing them is a matter of just a few hours because of the bearings' separable rings, a feature that shouldn't be overestimated given the high cost of equipment.

This product catalogue features the current range of bearings manufactured by the SPZ GROUP, a range that is constantly growing, with several dozen new types introduced every year. Some of our bearings can only be seen through a microscope, while others can be seen with the naked eye from a kilometre away (and even farther!). This is our capacity. The catalogue also lists analogues of bearings manufactured by foreign companies. There is a special classifier at the end of the catalogue for your convenience.

Samara Bearing Plant OJSC can also manufacture bearings using customers' requests and drawings. For instance, you can order a domestic analogue of a bearing installed in foreign equipment. In order to do so, you will need to contact us and make an offer to start manufacturing a new bearing type. Depending on the customer's needs the following bearing features may vary: accuracy rating, modified roller contact with the roller path, increased load capacity, different separator materials (including plastic materials), and different steel grades for bearings parts, bearing vibration requirements, closed design, lubricant presence, etc. We can also manufacture non-stock bearings.

Our technical capacities are constantly growing. Thus, SPZ OJSC is happy to receive orders to make bearings you won't find in this catalogue.

This catalogue is for those who purchase or intend to purchase our products and may, in certain cases, be used to help you select bearings required for a specific component or mechanism. However, we encourage designers to rely not only on the data in this catalogue, but also to consult technical reference books. In any case, please keep in mind that the information contained herein is preliminary and should only be used as a guide. Misprints in the catalogue cannot constitute grounds for any legal claims.

BEARINGS IN GENERAL

A bearing is a central element in machine- and electric appliance building, used in all devices and mechanisms, in which structural components are expected to move against each other. The main function of bearings is to reduce friction and wear. The simplest bearings consist of three main parts: inner and outer rings, a separator and a rolling component. Their even surface reduces friction under radial and axial loads on a mechanism's structural components. Roller bearings are classified by the following features:

1. direction of the load in relation to the shaft axis (radial, angular, neck thrust and toe bearings);
2. shape of rolling fixture (ball, roll, combined-type);
3. number of rolling fixture rows (single, double, quadruple, multiple row bearings);
4. self-alignment in the support (self-aligned and non-self-aligned);
5. protection in bearing inner chamber (side plates, seals);
6. listallation in the support (outer ring extraction inhibiting groove, outer ring stop collar, adapter or clamping sleeves).

TYPES OF ROLLER BEARINGS

Single-row radial bearings

General properties. Bearings receive radial and axial loads in both directions along the length of the shaft, not exceeding 70% of permitted idle radial load. In order to receive purely radial loads one should use ball bearings with increased radial clearance between the balls and the roller path.

Unlike other types of bearings, single-row radial bearings operate with minimal friction loss and allow maximum rotation frequency. The alignment of mounting seats for single-row radial bearings should be such as to keep the misalignment of outer to inner rings between 10-15°, even in the event of increased radial clearance. Bearings are mounted on rigid two-point shafts, whose sag under external forces does not lead to excessive angular displacement of the shaft axis from the support opening axis.

Bearings with one or two side plates are used when installation of special sealing devices to keep the bearing from soiling, or to keep the lubricant inside the bearing, is not desirable due to limited space or maintenance difficulties. Side plates are pressed in the grooves on the sides of outer rings and thus do not protrude beyond the bearing body.

Separators in single-row radial ball bearings are mainly pressed and centred against rolling elements. Massive separators of anti-friction materials are used (bronze, brass, cloth laminate, aluminium alloys, etc) in special-purpose bearings (e.g. with rotation frequency higher than permitted) and in some big bearings. Massive separators are usually centred against the sides of outer rings. In such cases liquid lubricant selection is highly important for high rotation frequencies, as is the manner in which it is fed into the outer ring and separator friction surfaces.

Double-row radial ball spherical bearings

General properties. These bearings are built to withstand radial loads but can also withstand bi-directional axial loads (up to 20% of idle permitted radial load). The roller path on the outer ring is spherically shaped, which ensures the bearing's sustainable operation even in the event of a substantial misalignment (approx. 2-3°) of the inner and outer rings. The permitted angle of misalignment, caused by the shaft sagging under a load or due to a technological error in the assembly or installation, is limited provided that contact is kept between the balls of both rows with the roller path of the outer ring. These bearings are installed on multiple-bearing transmission shafts, double-bearing shafts subject to substantial loads, in assemblies where strict alignment of mounting seats is not technologically ensured (when body boring is conducted in more than one pass, when bearings are installed in separate bodies, etc.) Type 111000 bearings have a conical bore mount on the conical neck of the shaft and allow for partial adjustment of the radial clearance by axial displacement of the inner ring

against the conical neck. Type 11000 bearings with a conical bore, mounted on the clamping sleeve, are used on smooth transmission shafts (w/o shoulders). The outer surface of the clamping sleeve corresponds with the conical surface of the bearing bore (tapering of 1:12). The sleeve has a longitudinal section, and in an idle condition its diameter is somewhat larger than that of the shaft mounting seat. The clamping sleeve is fitted with a nut and washer to prevent the nut from unfastening.

The majority of double-row spherical bearings have pressed separators. Big bearings are manufactured with massive brass separators.

Roll radial bearings with short cylindrical rolls

General properties. These bearings receive radial loads. They possess larger radial load capacities than radial ball bearings of the same dimensions, but operate at smaller speeds.

Bearings with cylindrical rolls are highly sensitive to misalignments of the inner and outer rings, which can lead to load concentration at the roll edges. In order to reduce such loads, special modifications are made to these bearings using convex (cambered) rolls or roller paths. These bearings are mounted on short, rigid double-bearing shafts.

Basic single-row bearings are manufactured with the following design features: type 2000 – without grooves on the outer ring; type 12000 – with one groove on the outer ring; type 32000 – without grooves on the inner ring; type 42000 – with one groove on the inner ring; type 52000 – with a grooveless inner ring and a shaped retaining ring; type 62000 – with a single groove in the inner ring and a shaped retaining ring; type 92000 – with a single groove on the inner ring and a flat retaining ring.

Type 2000 and 32000 bearings, during mounting and operation, allow for bi-directional axial movement of the inner ring against the outer ring. Such bearings may only receive radial load.

Type 52000 bearings allow for bi-directional axial movement of the inner ring against the outer ring during mounting, prior to installation of the shaped retaining ring. Once assembled, component axial movement is permitted in only one direction. Single-sided shaft locking is only permitted with minor axial forces.

During mounting and operation, Type 12000 and 42000 bearings allow for uni-directional axial movement of the inner ring against the outer ring. They can only provide single-sided shaft locking under minor axial forces.

Type 62000 and 92000 bearings only allow uni-directional axial inner ring movement against the outer ring during mounting, prior to installation of retaining rings. They can provide double-sided axial shaft locking under minor axial forces.

Type 292000 single-row bearings (without inner ring) and type 502000 bearings (without outer ring) are used to reduce component radial sizes..

Type 292000 bearings are also used when shaft durability and rigidity need to be at their highest. The coupling's roller path is made on the shaft or in the bore of the body. The hardness and accuracy of the roller path surface should be same as those of the bearing rings.

Double-row groove-less bearings on the outer ring – type 3182000 (with a conical bore) and type 3282000 (with a cylindrical bore) allow bi-directional axial movement of the inner ring against the outer ring. They can only receive radial loads. What sets type 3182000 bearings apart from other types of bearings with cylindrical rolls is that they allow adjustment of radial clearance during operation, and, if required, allow creation of strain between the roller path and the rolls. The radial clearance is adjusted by axial movement of the inner ring along the conical neck of the shaft.

Single-row bearing separators with short rolls are pressed or massive. The latter are made of steel, brass, bronze, or aluminium alloys. Massive separators are usually centred against the double-groove ring.

With type 3182000 and 3282000 double-row bearings, the massive separators have an alternate pattern of roll sockets, ensuring increased radial rigidity and smooth bearing rotation.

Double-row spherical radial roll bearings

General properties. Double-row spherical radial roll bearings have increased radial load capacity than bearings of other types and similar sizes. They are able to offset substantial misalignments and shaft sag (up to 3°), and receive combined loads (axial load up to 25% of idle radial load). However, it is not advisable to use them for operation with purely axial loads, where only one row of rolls will be engaged. The bearings hold the shaft aligned in both directions, within the range of axial clearance. Mounting two bearings next to each other renders the self-alignment feature redundant. Spherical roll bearings are made with asymmetrical rolls (type 3000), and symmetrical rolls with a floating groove on the inner ring (type 53000). The latter have increased load capacity (by 20-30%) compared to bearings with asymmetrical rolls. Bearings with symmetrical rolls are preferable for use in components with high loads. In addition to bearings with a inner ring cylindrical bore, we also offer bearings with a conical bore. They are mounted on the conical neck of shafts or adapters, or adapter clamping sleeves for terminal support.

Spherical roll bearings are usually mounted on long shafts prone to substantial sag, or in the supports of separate bodies.

Bearings with clamping sleeves are mounted on smooth multi-bearing shafts to receive radial loads. Bearings with conical bores or with adapted clamping sleeves are generally mounted on terminal supports of shafts or axles. The conical bore makes mounting and removal easier.

Spherical roll bearings are used in supports of such devices as pumps, high performance fans, exhaust blowers, log frames, reduction gearboxes, propulsion shafts, rolling mills and other machines where high radial loads are present and misalignment of mounting seats is inevitable.

The majority of spherical roll bearings have massive bronze or brass separators.

Roll radial bearings with long cylindrical or needle rollers

General properties. These rollers only receive radial loads. They have smaller radial sizes than bearings of other types with the same bore diameters and the same load capacities.

With no separator present, these bearings are characterised by high friction loss between the needles. Therefore, the critical rotation frequency of this type of bearing is well below that of bearings with separators. The rollers are long cylindrical needles. The outer ring and the inner ring with the set of needles are mounted separately.

The outer ring has holes to feed the lubricant on to the needles. Needle bearings have no limitations when it comes to axial movement of the shaft. Misalignment of the inner ring (or shaft) against the outer ring is not permitted, as it leads to a linear contact fault between the needles and the roller paths. These bearings are used in supports with limited diameter sizes. They are most commonly found in applications with reciprocating motions.

Type 24000 and 940 bearings (without inner rings) are used when it is necessary to have minimum possible radial dimensions of a component. In that event the surfaces of roller paths, carved on the shaft or in the bore of the body, must have the same hardness, accuracy and roughness of the surface of the bearing rings.

The rollers of bearings with massive rings are needles with spherical ends. Type 940 bearings with a pressed outer ring have cone-shaped needle ends with concave cone fixtures of lesser curvature. The edges of the pressed ring are bent inwards, thus covering the needle tips and keeping them from falling apart. Needle diameter depends on the diameter of the roller path of the inner ring or shaft.

Radial thrust ball bearings

General properties. Bearings of this type receive radial and axial loads. Their capacity to receive axial loads depends on the contact angle (the angle between the ball centre plane and the trajectory of the line going through the ball centre and the contact point of the ball and the roller path). As the contact angle increases, so does the axial load capacity due to the reduction in radial load capacity. Radial thrust bearings have practically the same speed properties as single-row radial bearings. Increasing the contact angle leads to a reduction in permitted rotation frequency and an increase in the uni-directional axial load received by the bearings.

Type 36000, 46000 and 66000 bearings have a bevel on the outer ring, which is required for assembly on the manufacturing site. Bearings are kept intact during mounting and operation by means of a lock between the roller path and the bevel. The separator is centred against the inner ring. These bearings are mounted on rigid double-bearing shafts with small distances between the supports, and in assemblies where bearing clearance adjustment is required during operation and installation.

During operation, there are gaps in duplex bearings with outer rings mounted wide end-first towards each other (types 236000, 246000 and 266000)

BEARING CODING SYSTEM

Bearing codes are applied to ring faces by stamping, etching or by a spark-discharge machine. The outer surface of the outer ring has labels applied by electro-etching. Codes may not be applied for miniature and precision bearings, in which case the data is contained within the accompanying documentation and on the package. The code of roller bearings is made up of the general code and additional symbols.

The general code denotes the principle bearing design:

- with rings and rollers of bearing-grade steel ШХ15;
- accuracy rating 0 under GOST 520;
- with a separator installed for the principle application in accordance with industrial documentation.

The order of symbols in the general code complies with one of the following tables:

Bearings with inner diameter up to 10 mm, excluding bearings with ID= 0.6; 1.5; 2.5 mm						Bearings with inner diameter of 10 mm and higher, excluding bearings with ID= 22; 28; 32; 500 mm and more				
X	XX	X	X	XX	X	X	XX	X	X	XX
Width series	Design type	Bearing type	0 digit	Diameter series	Bearing inner diameter	Width series	Design type	Bearing type	Diameter series	Bearing inner diameter

Inner diameter code

Inner diameters between 1 and 9 mm (whole numbers) are denoted with a number equalling the nominal diameter; inner diameters of 10, 12, 15, 17 mm will be denoted 00, 01, 02, 03 respectively; inner diameters between 20 and 495 mm (divisible by 5) – by double-figure numbers (nominal diameter divided by 5); inner diameters equal to 0.6; 1.5; 2.5; 22; 28; 32 mm and diameters between 500 and 2000 mm, are denoted with a number equal to the nominal diameter separated by a solidus sign from the other symbols in the code, e.g. 10079/560.

If the inner diameter is a fractional number up to 10 mm, it is denoted by the closest whole number followed by the number “5” as the second number of the code. If the inner diameter in the range of 10...19 mm does not equal 10, 12, 15 and 17 mm, it is denoted by the closest of the said diameters followed by the number “9” as the third number in the code. Inner diameters of 20 to 495 mm expressed by a fractional or a whole number non-divisible by 5, are denoted as the whole approximate ratio from the diameter value divided by 5. The third number in such codes is number “9”.

Additional symbols in code

Additional symbols are located to the left and right of the general code. Additional symbols to the right are written in capital letters, and the symbols to the left are separated with a hyphen. The order and the reading of the symbols designating additional requirements comply with the following table. Additional symbols stand for the following:

category: letters A or B meaning the presence of extra technical requirements given in technical specifications for Category A, B, C or in the duly approved design documentation. The category C sign is not labelled. Symbols preceding the category (A/B) designation denote extra technical requirements;

frictional torque: numbers 1, 2, 3... denote frictional torque. When labelling radial thrust bearings and single-row radial bearings with normal group radial clearance, the letter "M" is indicated in the space reserved for radial clearance designation;

radial clearance: numbers 1, 2, 3... denote the radial clearance group in accordance with GOST 24810;

accuracy rating: the symbols O, X, 6, 5, 4, 2 denote, in ascending order, the accuracy of maximum deviations of bearing size, shape, and surface position. The letter "Y" following the accuracy rating sign denotes the increased accuracy of conical roll bearings with regard to mounting height;

bearing design: the letter "H" denotes: double-row radial spherical roll bearings with a ring groove and holes for lubrication under GOST 5721, GOST 24696 and GOST 24850; radial roll bearings with short cylindrical rolls and dimensions under GOST 5577; single or twin thrust ball bearings with free ring diameter under GOST 7872;

increased load capacity bearings: letter "A";

composition of parts: symbol (numbers refer to the following designs):
10, 101...: all/some parts of the bearing are made of stainless steel;

X, X1...: rings and rollers or rings only (one ring as well) made of case-hardening steel;

P, P1...: parts of bearing made of hot-working (rapid) steel;

Г, Г1...: separator made of ferrous metals;

Б, Б1...: tin-free bronze separator;

Д, Д1...: aluminium alloy separator;

Е, Е1...: plastic material separator;

Л, Л1...: brass separator;

Я, Я1...: parts of bearing are made of rarely used materials (hard ceramic alloys, glass, etc.);

Н, Н1...: rings and rollers, or rings only (one ring as well) made of modified refractory steel (except double-roll radial roll spherical bearings);

3, 31...: bearing parts of ШХ grade steel with special alloy additions (calcium, cobalt, etc.);

design changes: symbol "K, K1. . ." with digits denoting design order. On cylindrical roller bearings the "K" denotes a pressed steel separator. On ball radial thrust bearings the symbols "K", "K6" and "K7" are defined in compliance with GOST 832:

roll bearings with modified contact are denoted "M", "M1" with numbers denote the design order;

special technical requirements: Y, Y1... – denote special requirements for roughness, rotation accuracy, etc. with numbers denoting design order;

tempering temperature requirements: T, T1...T4 – denote tempering temperature during manufacturing (160, 180, 200, 250, 300°C respectively);

Lubricants: C1, C2...C30 – denote different lubricants for cartridge-type bearings;

vibration level requirements: Ш, Ш1...Ш5 – denote vibration level. The higher this indicator, the lower the vibration level.

Certain needle bearings have a code consisting of three multipliers. Their numeric values define the bearing's inner diameter, outer diameter and its width in millimetres respectively. The letter at the end of the code denotes the separator material; the letters preceding the product of numbers denote the design type of the bearing, e.g.:

K: single-row radial roll bearing w/ needle rolls w/o rings, e.g. K25x30x10Д;

ИК: single-row radial roll bearing w/ needle rolls w/separator, e.g. ИК15x27x16;

ИКБ: single-row radial roll bearing w/ needle rolls w/o inner ring, w/ groove and lubrication hole, w/separator, e.g. ИКБ45x55x16Е;

КК: double-row radial roll bearing w/ needle rolls w/o rings, e.g. КК20x26x34Е.

КБК: single-row radial roll bearing w/ needle rolls w/o rings for piston pin supports, e.g.: КБК12x16x13Г;

КСК: single-row radial roll bearing w/needle rolls w/o rings for supports for cranking rod mechanism, e.g. КСК18x24x1 3Г;

АК: single thrust bearing w/ needle rolls w/o rings, e.g. АК28,8x45,5x3Е.

The digit preceding the code stands for the accuracy rating of the rollers under GOST 6870, e.g. 3КК30x35x46Е. Needle roll bearings (ПИП) for linear movement have a separate

code, e.g. ПИП 2010. The first two digits on the left denote the roll diameter (2.0 mm), the last two denote the bearing width (10 mm).

Design type labelling:

The 5th and 6th symbols of the general code, when combined with the fourth symbol, denote the design type of the bearing.

The list of design types of SPZ OJSC bearings includes the following types:

- 000 – single-row radial ball bearing complete with separator - generic type, e.g.: 206, 1000907;
- 001 – double-row radial ball spherical bearing with cylindrical bore, complete with separator – generic type, e.g.: 1007;
- 002 – single-row radial roller bearing w/ short cylindrical rollers, w/grooves on the inner ring, complete with separator – generic type, e.g.: 2206;
- 003 – double-row radial roller spherical bearing w/grooves on the inner ring and asymmetrical rollers – generic type, e.g.: 3518;
- 007 – single-row radial thrust bearing w/conical rollers, with contact angle up to 16°, complete with separator, generic type, e.g.: 7520;
- 008 – single ball thrust bearing, complete with separator – generic type, e.g.: 8703;
- 009 – single roller thrust bearing, complete with separator – generic type, e.g.: 9102;
- 012 – single-row radial roll bearing w/ short cylindrical rollers w/single outer groove, e.g.: 12115;
- 013 – double-row radial roller spherical bearing, generic type with clamping sleeve, e.g.: 13530;
- 023 – single-row roller spherical bearing, e.g.: 23508;
- 024 – single-row radial roller bearing w/ needle rollers w/o inner ring/separator, w/ grooves, e.g.: 4024106;
- 027 – single-row radial thrust bearing w/ conical rollers and taper angle of 20-30°, e.g.: 27313;
- 039 – radial thrust bearing w/spherical rollers, e.g.: 9039434;
- 042 – single-row radial roller bearing w/ short cylindrical rollers, w/ grooves on the outer ring and w/ single-sided inner ring, e.g.: 42212;
- 046 – single-row radial thrust ball bearing with a contact angle of 26°, e.g.: 46204;
- 050 – single-row radial ball bearing w/ extraction inhibiting groove on the outer ring, e.g.: 50206;
- 053 – double-row radial roller spherical bearing w/ symmetrical rollers, w/o grooves on the inner ring, e.g.: 53608;
- 060 – single-row radial ball bearing, w/ one steel side plate, e.g.: 60204;
- 066 - single-row radial thrust ball bearing with contact angle of 36°, e.g.: 66312;
- 073 - double-row radial roller spherical bearing, generic type w/clamping sleeve, e.g.: 73544;
- 074 - single-row radial roller bearing w/ needle rollers w/o separator w/grooves on the outer ring, e.g.: 4074106;
- 080 - single-row radial ball bearing, w/ two steel side plates, e.g.: 80213;
- 083 – double-row radial roller spherical bearing, generic type, w/ seal, e.g.: 83720;
- 084 – single-row radial roller bearing w/ needle rollers w/o inner ring/separator, w/ grooves, ID in inches, e.g.: 4084110;
- 093 – double-row radial roller spherical bearing, generic type w/clamping sleeve, non-standard size, e.g.: 93624;
- 102 – single-row radial roller bearing w/ short cylindrical rollers and two retaining washers, w.o separator, e.g.: 102308;
- 106 – quadruple-row radial ball thrust bearing, e.g.: 106901;
- 113 – double-row radial roller spherical bearing, generic type w/ conical bore, e.g.: 113556;
- 126 – single-row radial ball thrust bearing w/ separable inner ring and three-point contact, e.g.: 126805;
- 128 – multiple-row radial ball thrust bearing w/ contact angle of 60°, e.g.: 128726;
- 129 – single-row roller thrust bearing in shell, e.g.: 129316;
- 150 – single-row radial ball bearing w/ extraction inhibiting groove on the outer ring and one steel side plate, e.g. 150213;
- 153 – double-row radial roller spherical bearing w/ symmetrical rollers and conical bore, e.g.: 153532;
- 154 – single-row radial roller bearing w/ needle rollers w/o inner ring w/separator and single-groove increased thickness outer ring, e.g. 154901;
- 160 – single-row radial ball bearing w/ single-sided seal, e.g.: 160202;

- 170 – single-row radial ball bearing w/ filling slot and extraction inhibiting groove on the outer ring, e.g.: 170314;
- 176 – single-row radial thrust ball bearing w/separable inner ring and four-point contact, e.g.: 176222;
- 180 – single-row radial ball bearing w/ double-sided seal, e.g.: 180305;
- 224 – double-row radial combined bearing w/ roll instead of inner ring, w/ balls and short cylindrical rollers, e.g.: 4224703;
- 244 – single-row radial roller bearing w/ needle rollers w/ separator w/ grooves on the outer ring, e.g.: 4244910;
- 254 – single-row radial roller bearing w/ needle rollers w/o inner ring, w/ separator, e.g.: 254703;
- 256 – double-row radial thrust ball bearing w/ double-sided seal, e.g.: 256907;
- 263 – radial thrust spherical ball bearing, e.g. 263215;
- 284 – single-row radial roller bearing w/ needle rollers, w/ thrust groove on the outer ring and grooves on the inner ring, e.g.: 284913;
- 292 – single-row radial roller bearing w/ short cylindrical rollers w/ grooves on the outer ring, w/o inner ring, e.g.: 292220;
- 330 – double-row radial ball bearing w/ roll instead of inner ring, e.g.: 330902;
- 348 – single-row radial thrust bearing w/ side plates and separable inner ring, e.g.: 348702;
- 353 – double-row radial roller spherical bearing w/ symmetrical rollers, w/o grooves on the inner ring, w/ clamping sleeve, e.g.: 353613;
- 464 – single-row radial roller bearing w/ needle rollers w/o rings, e.g.: 464916;
- 524 – single-row radial roller bearing w/ needle rollers w/o inner ring w/ separator, e.g.: 524706;
- 614 – single-row radial roller bearing w/ needle rollers w/o inner ring w/ barrel-like outer bearing face and grooves on the ring, e.g.: 614706;
- 664 – double-row radial roller bearing w/ needle rollers w/o rings (may come complete with a roll), e.g.: 664706;
- 704 – single-row radial roller bearing w/ needle rollers w/o inner ring w/ closed end face (cardan-type), e.g.: 704702;
- 714 – double-row radial roller bearing w/ needle rollers w/ two separators and grooves on the outer ring, e.g.: 6714912;
- 753 – double-row radial roller spherical bearing w/ symmetrical rollers, w/o grooves on the inner ring, w/ clamping sleeve, e.g.: 753614;
- 804 – single-row radial roller bearing w/ needle rollers w/o inner ring w/ closed end face (cardan type), various designs, e.g.: 804907;
- 819 – single-row thrust roll bearing with increased diameter outer ring, e.g.: 819705;
- 824 – single-row radial roller bearing w/ needle rollers w/o inner ring w/ barrel-like outer bearing face, e.g.: 824904;
- 864 – single-row radial roller bearing w/ needle rollers w/o rings, e.g.: 864710;
- 904 – single-row radial roller bearing w/ needle rollers w/o inner ring, w/ closed end face (cardan-type), e.g.: 904902;
- 953 – double-row radial roll spherical bearing w/ symmetrical rollers, w/o grooves on the inner ring, w/ clamping sleeve, non-standard size, e.g.: 953613;
- 984 – double-row radial roller bearing w/ needle rollers, two separators and grooves on the outer ring, e.g.: 6984919;
- 999 – roller thrust bearing w/o rings, e.g.: 999702.

ACCURACY RATING CHOICES

Accuracy rating compliance

Compliance of bearing accuracy ratings with international and certain national accuracy standards.

National standard		Accuracy rating							
CIS interstate standard	Current standard	8	7	Normal	6	5	4	T	2
ISO	ISO 492 [2]	—	—	Normal	6	5	4		2
DIN	DIN 620I]	—	—	P0	P6	P5	P4	—	P2
USS	20 [5] Standard	—	—	ABEC-1 RBEC-1	ABEC-3 RBEC-3	ABEC-5 RBEC-5	ABEC-7	—	ABEC-9
JIS	JISBB 1514 [6]	—	—	0	6	5	4	—	2

Roller conical bearings

National standard		Accuracy rating								
CIS interstate standard	Current standard	8	7	0	Normal	6X	6	5	4	2
ISO	ISO 492 [2]	—	—	—	Normal	6X	—	5	4	—
DIN	DIN 620 [4]	—	—	—	P0	P6X	—	P5	P4	—
USS	AFBMA Standard 19.1 [7]	—	—	—	K	N	—	C	B	A
JIS	JISB B 1514 [6]	—	—	—	0	6X	6	5	4	—

Thrust and radial thrust bearings

National standard		Accuracy rating						
CIS interstate standard	Current standard	8	7	Hopm.	6	5	4	2
ISO	ISO 199 [3]	—	—	Hopm.	6	5	4	—
DIN	DIN 620 [4]	—	—	P0	P6	P5	P4	—

BEARING APPLICABILITY CHART

Applicability of standard design bearings in certain conditions

√ good	⊕ satisfactory	◇ poor	∅ inapplicable
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Bearing type	Bearing design	Applicability								
		Radial load only	Axial load only	Combined load	High speed	Hardness	Low-noise rotation	Misalignment compensation under rotation	Locking bearing	Floating bearing
Radial ball		√	⊕	⊕	√	⊕	√	◇	⊕	⊕
Radial ball spherical		√	◇	◇	√	◇	√	√	⊕	⊕
Radial roller w/ short cylindrical rollers	Single-row w/ grooveless outer (inner) ring w/ double-groove inner (outer) ring	√	∅	∅	√	⊕	√	◇	∅	√
	Single-row w/ double-groove outer ring, single-groove (grooveless) inner ring and thrust ring	√	⊕	⊕	√	√	⊕	◇	⊕	⊕
	Double-row w/ grooveless outer (inner) ring and grooves on the inner (outer) ring	√	∅	∅	√	√	√	∅	∅	√
Radial roller w/ spherical rollers		√	⊕	√	⊕	√	⊕	√	⊕	⊕
Radial roller w/ long or needle rollers		√	∅	∅	⊕	√	⊕	∅	∅	√
Ball radial thrust	Single-row	⊕	⊕	√	√	⊕	⊕	◇	√	⊕
	Twin, "O" assembly type; inner (outer) rings with wide (narrow) ends facing	⊕	⊕	√	⊕	⊕	⊕	∅	√	⊕
Roller radial thrust with conical rollers		⊕	⊕	√	⊕	⊕	⊕	◇	√	∅
Ball thrust (radial thrust)	Single / twin	∅	√	∅	⊕	⊕	◇	∅	⊕	∅
	Single/ double w/ spherical backing rings	∅	√	∅	⊕	⊕	◇	⊕	⊕	∅
Roller thrust with cylindrical rollers		∅	√	∅	⊕	⊕	◇	∅	⊕	∅
Roller radial thrust with spherical rollers		∅	√	⊕	⊕	√	◇	√	⊕	∅

SPECIFIC SPEED

Permitted rotation frequencies given herein for plastic and liquid lubricants do not apply to all loads.

The ultimate limiting factor is temperature, which depends on the friction inside the bearing and the possibility of heat sag. By modifying load procedures and lubricant it is possible to exceed the maximum rotation frequencies stated herein.

Specific speed values of main types of bearings are given below for comparison.

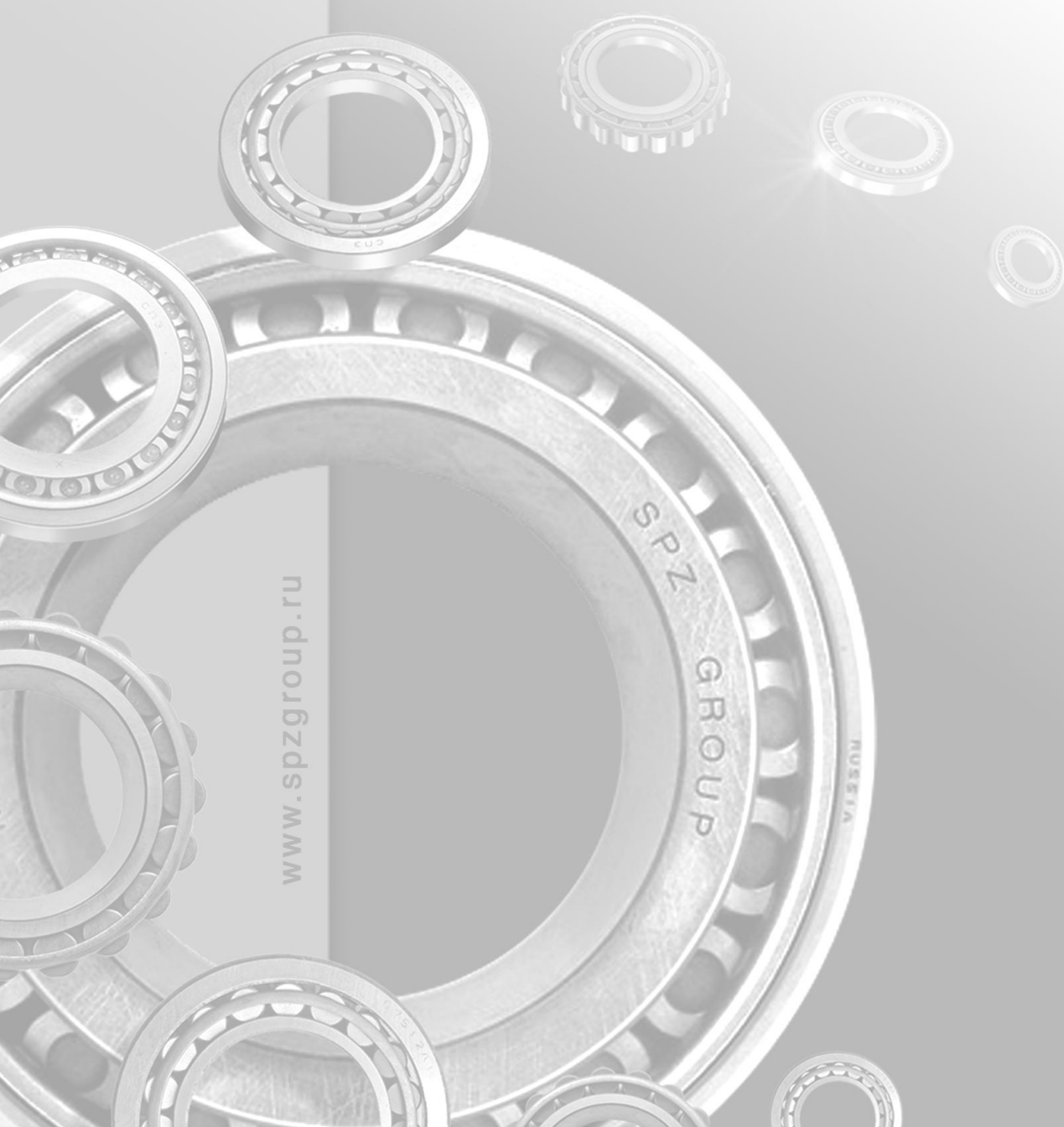
Bearing type	Code	Maximum rotation frequency, rpm
Ball bearings:		
- single-row radial	0000	1*
- double-row spherical	1000	0.9
Roller bearings:		
- w/short cylindrical rollers	2000	1
- double-row spherical	3000	0.7
Radial thrust bearing	6000	1
Conical roller bearings:		
- Single-row	7000	0.7
- Double-row	97000	0.6
- Quadruple-row	77000	-
Thrust ball bearing	8000	0.3

** A unit is the maximum rotation frequency of type 00000 single-row bearings with the same radial sizes.*

BEARING

APPLICABILITY

CLASSIFIER



PASSENGER CARS

VAZ-1111		
6-7205A	real wheel hub	54
6-7707Y	compensation gear	56
6-7804Y	front wheel hubs	55
6-7805Y	front wheel hubs	54
6-7807Y	rear axle	56
6-7807YШ3	rear axle	56
7205A	rear wheel hubs	54
7707Y	compensation gear	56
7804Y	rear wheel hubs	55
VAZ-2101, 2102, 2103, 2104, 2105, 2106, 2107		
6-7705Y	rear axle	54
6-7707Y	rear axle	56
6-7804Y	front wheel hubs	55
6-7805Y	front wheel hubs	54
6-7807Y	rear axle	56
6-7807YШ3	rear axle	56
7804Y	front wheel hubs	55
7805Y	front wheel hubs	54
VAZ-2108, 2109, 21099, 2113, 2114, 2115		
7207A	compensation gear	57
6-7207A	compensation gear	57
VAZ-2110, 2111, 2112, 2170		
7207A	compensation gear	57
6Y-7207AK	compensation gear	57
VAZ-2121, 21213, 21214, 2131, 2123		
2007108A	rear wheel hubs	57

6-7705Y	rear axle, front axle	54
6-7707Y	rear axle, front axle	56
6-7807Y	rear axle, front axle	56
6-7807YШ3	rear axle, front axle	56
7707Y	front axle	56
7807Y	rear axle, front axle	56
GAZ-24, 24-10, 24-11, 31029		
877907	steering	69
6-7305AШ	wheel axles	54
6-7607AYШ	rear axle	57
6-7806A	front wheel hubs	69
GAZ-31022		
977907K1	steering	69
877907	steering	69
6-7607AYШ	rear axle	57
GAZ-31029		
877907	steering	69
6-7305AШ	wheel hubs	54
6-7607AYШ	rear axle	57
6-7806A	front wheel hubs	69
GAZ-3110		
6-7605A	front wheel hubs	54
7605A	front wheel hubs	54
UAZ-31512, 31514, 315148		
7510A	front axle	58
127509AK	rear axle, front axle	58
57707AY	rear axle, front axle	70

CARGO VEHICLES

KAMAZ-4310		
819705	Steering	80
2007118A	Wheel hubs	61
27310HA	Rear axle	58
6-7204A	Engine feed system	54
6-7214AY	Rear axle, intermediate axle	60
7204A	Engine feed system	54
7214AY	Rear, intermediate, front axle	60
7216A	Rear, intermediate, front axle	61
7218A	Wheel hubs	61
7516A	Rear axle	61
27709K1Y	Wheel hubs	58
Y-27911A	Rear, intermediate, front axle	59
6-7516A1	Rear axle	61
6-2731 OHA	Rear axle	61
KAMAZ-5320		
819705	Steering	80
27310HA	Intermediate axle	58
6-7204A	Engine feed system	54

6-7214AY	Rear axle, intermediate axle	60
6-7517A	Wheel hubs	61
7204A	Engine feed system	54
7214AY	Rear axle, intermediate axle	60
7216A	Rear axle, intermediate axle	61
Y-27911A	Rear axle, intermediate axle	59
6-7516A1	Rear axle, intermediate axle	61
7517A	Wheel hubs	61
761 3A	Wheel hubs	60
6-7815A	Wheel hubs	60
KAMAZ-5325, 5425		
819705	Steering	58
27310HA	Rear axle	54
6-7204A	Engine feed system	60
6-7214AY	Rear axle	61
6-7517A	Rear axle hub	54
7204A	Engine feed system	60
7214AY	Rear axle	61
7216A	Rear axle	60

7614A	Wheel hubs	59
7612A	Wheel hubs	61
6-7516A1	Rear axle	58
KAMAZ-5410		
819705	Steering	61
27310HA	Rear axle	58
6-7204A	Engine feed system	54
6-7214AY	Rear axle, intermediate axle	60
6-7517A	Rear axle hub	61
7204A	Engine feed system	54
7214AY	Rear axle, intermediate axle	60
7216A	Rear axle, intermediate axle	61
7613A	Wheel hubs	60
Y-27911A	Rear axle, intermediate axle	59
6-7516A	Rear axle, intermediate axle	61
7517A	Wheel hubs	61
7610A	Wheel hubs	58
6-7815A	Wheel hubs	60
KAMAZ-5511, 53212, 53213, 53222, 54112, 54122		
819705	Steering	61
27310HA	Intermediate axle	58
6-7517A	Rear axle hub	61
761 3A	Wheel hubs	60
Y-27911A	Rear axle, intermediate axle	59
6-7204A	Engine	54
6-7214AY	Rear axle, intermediate axle	60
7216A	Rear axle, intermediate axle	61
7517A	Wheel hubs	61
7610A	Wheel hubs	58
6-7815A	Wheel hubs	60
6-7516A1	Rear axle, intermediate axle	61
KAMAZ-6410		
27313	Rear axle, intermediate axle	60
6-7204A	Engine feed system	54
6-7609AK	Gear box	58
7204A	Engine feed system	54
7212A	Rear axle	59
7218A	Rear axle, intermediate axle	61
7219M	Rear axle, intermediate axle	62
7609A	Gear box	58
7718AK	Wheel hubs	62
6-7204A	Engine	54
KAMAZ-6426		
6-7204A	Engine	54
6-7214AY	Rear, intermediate, front axle	60
6-27310HA	Rear, intermediate, front axle	58
6-7517A	Wheel hubs	61
6-7815A	Wheel hubs	60
KAMAZ-65111		
6-7312A	Transfer gear	59
6-7517A	Wheel hubs	61
KAMAZ-6520		
6-7204A	Engine	54
6-7516A1	Rear axle, intermediate axle	61
6-7615A	Rear axle, intermediate axle	61
6-7610A	Wheel hubs	58
6-7815A	Wheel hubs	60
6-7520A	Wheel hubs	62

KAMAZ-4307		
6-7214AY	Rear axle	60
6-7516A1	Rear axle	61
6-27310HA	Rear axle	58
KAMAZ-4308		
6-7214AY	Rear axle	60
6-7516A1	Rear axle	61
6-27310HA	Rear axle	58
6-7610A	Wheel hubs	58
6-7815A	Wheel hubs	60
KAMAZ-5297		
6-7204A	Engine	61
6-7516A1	Rear axle, intermediate axle	61
6-7615A	Rear axle, intermediate axle	58
6-7610A	Wheel hubs	60
6-7815A	Wheel hubs	62
6-7520A	Wheel hubs	54
KAMAZ-5315, 5321, 5322, 5325, 5410, 5411, 5412, 5425, 5510, 5511 and modifications		
6-7214AY	Rear axle	60
6-7516A1	Rear axle	61
6-27310HA	Rear axle	58
6-7610A	Wheel hubs	58
6-7815A	Wheel hubs	60
6-7204A	Engine	54
KAMAZ-4208, 4410 and modifications		
6-7214AY	Rear axle	60
6-7516A1	Rear axle	61
6-27310HA	Rear axle	58
6-7204A	Engine	54
MAZ-UZ		
2007109AK	idler arm	58
6-2007109AK	idler arm	58
7517A	rear axle	61
7610A	front wheel hubs	58
7614A	front wheel hubs	60
MAZ-105		
2007109AK	idler arm	58
6-2007109AK	idler arm	58
7517A	rear axle	61
7610A	front wheel hubs	58
7614A	front wheel hubs	60
7520A	rear wheel hub	62
MAZ-504B		
27312	rear axle	59
6-7515A	rear axle	60
6-7612A	front wheel hubs	58
6-7614A	Wheel hubs	60
7204A	Engine feed system	54
7205A	Engine feed system	54
2007120A	Rear axle	62
6-7205A	Engine feed system	54

MAZ-509A		
27312	Rear axle	59
2007120A	Rear axle	62
6-7204A	Engine feed system	55
6-7205A	Engine feed system	55
6-7515A	Rear axle	60
7204A	Engine feed system	55
7215A	Rear axle	60
7311A	Transfer gear	59
MAZ-5322		
27313	Rear axle	60
6-27616A1	Rear axle	61
6-7204A	Engine feed system	55
6-7205A	Engine feed system	55
6-7520A	Wheel hubs	62
6-7524A	Wheel hubs	63
6-7612A	Front wheel hubs	59
6-7614A	Wheel hubs	60
7520A	Wheel hubs	62
MAZ-5334		
27312	Rear axle	59
2007124	Wheel hubs	63
2007120A	Rear axle	62
2007124M	Wheel hubs	63
6-7204A	Engine feed system	54
6-7205A	Engine feed system	55
6-7515A	Rear axle	60
6-7612A	Front wheel hubs	59
6-7614A	Wheel hubs	60
7204A	Engine feed system	55
7205A	Engine feed system	54
MAZ-5335		
27312	Rear axle	59
2007120A	Rear axle	62
6-7204A	Engine feed system	54
6-7205A	Engine feed system	54
6-7515A	Rear axle	60
7204A	Engine feed system	55
MAZ-5336		
6-27616A1	Rear axle	54
6-7204A	Engine feed system	54
6-7205A	Engine feed system	62
6-7520A	Wheel hubs	63
6-7524A	Wheel hubs	59
6-7612A	Front wheel hubs	60
6-7614A	Wheel hubs	62
7520A	Wheel hubs	54
MAZ-5338		
27312	Rear axle	59
2007120A	Rear axle	62
6-7204A	Engine feed system	54
6-7515A	Rear axle	60
7204A	Engine feed system	55
7205A	Engine feed system	54

MAZ-537, 537G		
7821	Wheel hubs	62
7209A	Steering, front axle	58
7608A	Steering	58
7616A	Engine	61
7515A	Front axle	60
6-7516A	Front axle	61
7516A	Front axle	61
7610A	Rear axle	58
7614A	Engine	60
MAZ-538		
7508	Steering Gear	57
7518K	Transmission	61
7608A	Steering Gear	58
7616A	Engine	61
7218A	Transmission	61
7516A	Rear Axle	61
MAZ-5429		
27312	Rear Axle	59
2007120A	Rear Axle	62
6-7204A	Engine Feed System	54
6-7205A	Engine Feed System	54
6-7515A	Rear Axle	60
6-7614A	Wheel Hubs	60
MAZ-543		
7821	Wheel Hubs	62
7209A	Steering System	58
7608A	Steering System	58
7616A	Engine	61
7515A	Front Axle	60
7516A	Rear Axle	61
MAZ-5430		
27312	Rear Axle	59
2007120A	Rear Axle	62
6-7204A	Engine Feed System	54
6-7515A	Rear Axle	60
7204A	Engine Feed System	55
6-7612A	Front Wheel Hubs	59
6-7614A	Front Wheel Hubs	60
MAZ-5433		
27313	Front/Rear Axle	60
6-27616A1	Rear Axle	61
6-7204A	Engine Feed System	54
6-7205A	Engine Feed System	54
6-7520A	Wheel Hubs	62
6-7524A	Wheel Hubs	63
6-7612A	Front Wheel Hubs	59
6-7614A	Wheel Hubs	60
7520A	Wheel Hubs	62
MAZ-5434		
7220	Wheel Hubs	62
2007124	Wheel Hubs	63
2007124A	Wheel Hubs	63
2007124M	Wheel Hubs	63
6-27616A1	Front/Rear Axle	61

7220A	Wheel Hubs	62
7520A	Wheel Hubs	62
MAZ-547		
7821	Wheel Hubs	62
7209A	Steering System	58
7608A	Steering System	58
7616A	Engine	61
7515A	Front Axle	60
7610A	Engine	58
7516A	Front Axle	61
MAZ-5551		
27313	Rear Axle	60
6-27616A1	Rear Axle	61
6-7520A	Wheel Hubs	62
6-7524A	Wheel Hubs	63
6-7612A	Front Wheel Hubs	59
6-7614A	Wheel Hubs	60
7520A	Wheel Hubs	62
MAZ-5554		
2007124A	Front Wheel Hubs 63	
6-7204A	Engine Feed System	54
6-751 3A	Rear Axle	60
6-7520A	Wheel Hubs	62
6-7524A	Wheel Hubs	63
6-7612A	Front Wheel Hubs	59
7212A	Rear Axle	59
7212A	Transfer Gear	59
7520A	Rear Wheel Hubs	62
6-7520A	Rear Wheel Hubs	62
MAZ-5558		
27312	Rear Axle	59
2007120A	Rear Axle	62
6-7204A	Engine Feed System	54
6-7515A	Rear Axle	60
6-7205A	Engine	54
6-7612A	Front Wheel Hubs	59
6-7614A	Front Wheel Hubs	60
MAZ-6303		
27313	Rear Axle	60
6-27616A1	Intermediate Axle	61
6-7204A	Engine Feed System	54
6-7205A	Engine Feed System	54
6-7520A	Wheel Hubs	62
6-7524A	Wheel Hubs	63
6-7612A	Front Wheel Hubs	59
6-7614A	Wheel Hubs	60
7204A	Engine Feed System	55
7212A	Rear Axle	59
7520A	Wheel Hubs	62
MAZ-6422		
27313	Rear Axle	60
6-27616A1	Intermediate Axle	61
6-7205A	Engine Feed System	54
6-7612A	Front Wheel Hubs	59
6-7614A	Wheel Hubs	60
7204A	Engine Feed System	55

7520A	Wheel Hubs	62
MAZ-7310		
7821	Wheel Hubs	62
7209A	Steering System	58
7616A	Engine	61
7516A	Rear Axle	61
7608A	Steering System	61
7614A	Front Axle	60
7515A	Front Axle	60
7610A	Engine	58
MAZ-7410		
7821	Wheel Hubs	62
7209A	Steering System	58
7608A	Steering System	58
7616A	Engine	61
7516A	Compensation Gear	61
7515A	Front Axle	60
7614A	Front Axle	60
7610A	Engine	58
URAL-375D, 375DM		
2007124	Wheel Hubs	63
2007124M	Wheel Hubs	63
6-7312A	Transfer Gear	59
6-7315A	Axle	61
6-7515A	Axle	60
6-7610A	Transfer Gear	58
7216A	Winch	61
7311A	Axle	60
7315A	Axle	60
7515A	Axle	60
7610A	Transfer Gear	58
URAL-377		
2007124	Wheel Hubs	63
2007124M	Wheel Hubs	63
6-7315A	Axle	61
7311A	Axle	60
7315A	Axle	60
7515A	Axle	60
6-7315A	Axle	61
6-7610A	Transfer Gear	58
URAL-4320		
2007124A	Wheel Hubs	63
2007124M	Wheel Hubs	63
6-7204A	Engine	54
6-7312A	Transfer Gear	59
6-7515A	Axle	60
6-7516A	Axle	61
6-7516A1	Axle	61
6-7610A	Transfer Gear	58
7204A	Engine	55
7216A	Winch	61
7310A	Axle	58
7311A	Axle	60
7515A	Axle	60
7516A	Axle	61
7610A	Transfer Gear	58

URAL-5557		
2007124	Wheel Hubs	63
2007124A	Wheel Hubs	63
2007124M	Wheel Hubs	63
6-7204A	Engine	54
6-7312A	Transfer Gear	59
6-7315A	Axle	61
6-7515A	Axle	60
6-7516A	Axle	61
6-7516A1	Axle	61
6-7610A	Transfer Gear	58
7204A	Engine	55
7216A	Winch	61
7310A	Axle	58
7315A	Axle	60
7515A	Wheel Hubs	60
7516A	Axle	61
7610A	Transfer Gear	58
URAL-5920		
2007114	Electrical Equipment	60
2007124	Wheel Hubs	63
2007124M	Wheel Hubs	63
6-7204A	Engine	54
6-7515A	Axle	60
6-7516A	Axle	61
6-7516A1	Axle	61
7204A	Engine	55
7216A	Winch	61
7515A	Wheel Hubs	60
7516A	Axle	61
7610A	Transfer Gear	56
ZIL-107G		
6-7516A1	Intermediate/Rear Axle	61
6-7517A	Wheel Hubs	61
6-7610A	Wheel Hubs	58
6-7815A	Wheel Hubs	60
ZIL-130, 130-77		
6-7516A	Intermediate/Rear Axle	61
6-7516A1	Intermediate/Rear Axle	61
6-7517A	Rear Axle Hub	61
6-7610A	Intermediate/Rear Axle	58
6-7613A	Intermediate/Rear Axle	60
6-7815A	Wheel Hubs	60
7215A	Intermediate/Rear Axle	60
7516A	Intermediate/Rear Axle	61
7517A	Wheel Hubs	61
7608A	Wheel Hubs	58
761 OA	Intermediate/Rear Axle	58
7611A	Wheel Hubs, Intermediate/Rear Axle	59
761 3A	Intermediate/Rear Axle	60
7815A	Wheel Hubs	60
Y-27911A	Intermediate Axle	59
ZIL-131V. 131M, 131MV. 131N. 131NV		
27308AKV	Rear Axle	58
6-7516A	Wheel Hubs	61
6-7516A1	Wheel Hubs	61
7214A	Front/Intermediate/Rear Axle	60

7214AY	Intermediate/Rear Axle	60
7516A	Wheel Hubs	61
7215A	Wheel Hubs	60
Y-807813A	Front Axle	59
7610A	Wheel Hubs	58
7613A	Wheel Hubs	60
7815A	Wheel Hubs	60
ZIL-133		
6-7204A	Engine Feed System	54
6-7516A	Rear Axle	61
6-7516A1	Rear Axle	61
6-7517A	Rear Wheel Hub	61
6-7610A	Wheel Hubs	58
6-7613A	Wheel Hubs	60
6-7815A	Wheel Hubs	60
7204A	Engine Feed System	55
7516A	Rear Axle	61
7517A	Wheel Hubs	61
7610A	Wheel Hubs	58
7613A	Wheel Hubs	60
7815A	Wheel Hubs	60
ZIL-137E		
6-7214AY	Intermediate/Rear Axle	60
6-7516A	Wheel Hubs	61
6-7516A1	Wheel Hubs	61
7214A	Front/ Intermediate/Rear Axle	60
7214AY	Intermediate/Rear Axle	60
7516A	Wheel Hubs	61
ZIL-157KD		
6-7516A	Wheel Hubs	61
6-7516A1	Wheel Hubs	61
27709K1Y	Transfer Gear	58
7308A	Drive Shaft, Transfer Gear	57
7515A	Wheel Hubs	60
7516A	Wheel Hubs	61
7608A	Transfer Gear	58
ZIL-4331		
6-7509A	Transmission	58
6-7516A	Intermediate/Rear Axle	61
6-7516A1	Intermediate/Rear Axle	61
6-7517A	Wheel Hubs	61
6-7610A	Wheel Hubs	58
6-7613A	Wheel Hubs	60
6-7815A	Wheel Hubs	60
7308A	Transmission	57
7516A	Intermediate/Rear Axle	61
7517A	Wheel Hubs	61
7610A	Wheel Hubs	58
7815A	Wheel Hubs	60
ZIL-5301		
2007116A	Compensation Gear	61
7214A	Front/ Intermediate/Rear Axle	60
761 3A	Wheel Hubs	60
7609A	Wheel Hubs	58
Y-807813A	Front/ Intermediate/Rear Axle	

GAZ-2217		
2007109AK	Rear Wheel Hub	58
27606AШ2	Axle	56
27606AШ2	Axle	56
6-2007109AK	Rear Wheel Hubs	58
GAZ-2705		
7509A	Rear Axle Shaft	58
27606AШ2	Rear Axle	56
27606AШ2	Rear Axle	56
6-7509A	Rear Axle Shaft	58
GAZ-2752		
007109AK	Rear Wheel Hubs	58
27606AШ2	Axle	56
27606AШ2	Axle	56
6-2007109AK	Rear Wheel Hubs	58
GAZ-3221		
2007109AK	Rear Wheel Hubs	58
27606AШ2	Axle	56
27606AШ2	Axle	56
6-2007109AK	Rear Wheel Hubs	58
GAZ-3301		
27307	Steering Knuckle	57
6-7208A	Transmission	57
7208A	Transmission	57
7308A	Transfer Gear	57
7309A	Transfer Gear	58
7515A	Wheel Hubs	60
987910K	Steering System	69
7214A	Rear Axle	60
7607A	Wheel Hubs	57
GAZ-3302		
27606AШ2	Rear Axle	56
6-27606AШ2	Rear Axle	56
6-7305AШ	Front Axle	54
6-7509A	Rear Axle Shaft	58
6Y-7307A	Front Axle	57
7509A	Rear Axle Shaft	58
GAZ-33021		
6-7305AШ	Front Axle	54
6-7509A	Rear Axle Hub	58
7509A	Rear Axle Hub	58
GAZ-3307		
7515A	Wheel Hubs	60
7606A	Wheel Hubs	56
987910K	Steering System	69
27308AKY	Rear Axle	58
27709K1Y	Rear Axle	58
7609A	Wheel Hubs	58
GAZ-33081		
27709AY4Ш2	Rear Axle	58
7515A	Rear Axle	60
27308AKY	Rear Axle	58
7207A	Intermediate Shaft	57
GAZ-3309		
27709AY4Ш2	Rear Axle	58
7609A	Front Wheel Hubs	58
987910K	Steering System	69
27308AKY	Rear Axle	58
7515A	Wheel Hubs	60
7607A	Wheel Hubs	57
7610A	Wheel Hubs	58
987910K	Steering System	69
GAZ-5201, 5204, 5205		
987910K	Steering System	69
27308AKY	Rear Axle	58
7515A	Wheel Hubs	60
7609A	Wheel Hubs	58
GAZ-53-12		
7606A	Wheel Hubs	56
7515A	Wheel Hubs	60
7609A	Wheel Hubs	58
27308AKY	Rear Axle	58
987910K	Steering System	69
GAZ-66, 66 w/winch, 66-11		
27307	Front/Rear Axle	57
987910K	Steering System	69
7515A	Wheel Hubs	60
27308AKY	Rear Axle	58
GAZ-53A, 53B, SAZ 3502, SAZ 3503		
7515A	Wheel Hubs	60
7606A	Wheel Hubs	56
987910K	Steering System	69
27308AKY	Rear Axle	58
7609A	Wheel Hubs	58
UAZ-2206, 3303		
877907	Steering System	69
57707AY	Rear Axle	70
Y-7510A	Front/Rear Axle	58
977907K1	Steering System	69
UAZ-3151		
877907	Steering System	69
6Y-7606AYШ	Front/Rear Axle	56
977907K1	Steering System	69
Y-7510A	Front/Rear Axle	58
UAZ-3741, 3962		
877907	Steering System	69
57707AY	Rear Axle	70
977907K1	Steering System	69
Y-7510A	Front/Rear Axle	58

127509AK	Front/Rear Axle	58
UAZ-451M, 451 DM		
57707AY	Rear Axle	70
6-7305A	Wheel Hubs	54
6Y-7307A	Wheel Hubs	57
977907K1	Steering System	69
Y-7510A	Steering System	58
UAZ-452A, 452V, 452D, 452 Van		
877907	Steering System	69
57707AY	Front/Rear Axle	70
977907K1	Steering System	69
Y-7510A	Front/Rear Axle	58
UAZ-469, 469M		
877907	Steering System	69
6Y-7606AY/Ш	Front/Rear Axle	56
977907K1	Steering System	69
Y-7510A	Front/Rear Axle	58
BeLAZ-540A		
7318A	Rear Axle	62
7608A	Steering System	58
7616A	Wheel Hubs	61
7618A	Rear Axle	62
6-7204A	Engine	54
7205A	Engine	54
6-7205A	Engine	54
7622A	Wheel Hubs	63
BeLAZ-548		
7608A	Steering System	58
6-7204A	Engine	54
7205A	Engine	54
6-7205A	Engine	54
97814Y	Water Pump	70
BeLAZ-549		
7210A	Power Takeoff Device	58
7205A	Steering System	55
7622A	Wheel Hubs	63
6-10079/560M	Power-Wheel	66
BeLAZ-7420-9590		
7210A	Fan Drive Gearbox	58
7205A	Steering System	55
7622A	Wheel Hubs	63
6-10079/560M	Power-Wheel	66
BeLAZ-7509, 75091		
7210A	Power Takeoff Device	58
7205A	Steering System	55
7622A	Wheel Hubs	63
6-10079/560M	Power-Wheel	66
BeLAZ-7519, 75191		
6-10079/710M	Power-Wheel	67
BeLAZ-75211		
6-10079/560M	Wheel Hubs	66
6-10079/900M	Power-Wheel	67
77/560M	Wheel Hubs	66

BeLAZ-7522		
7318A	Rear Axle	62
7612A	Matching Transmission	59
7616A	Wheel Hubs	61
7618A	Rear Axle	62
6-7204A	Engine	54
7205A	Engine	54
6-7205A	Engine	54
7608A	Steering System	58
7622A	Wheel Hubs	63
BeLAZ-7523		
7608A	Steering System	58
7612A	Matching Transmission	59
7618A	Wheel Hubs	62
7204A	Engine	55
6-7204A	Engine	54
7205A	Engine	54
6-7205A	Engine	54
97814Y	Water Pump	70
BeLAZ-7547		
6-7312A	Hydromechanical Transmission	59
6-7612A	Hydromechanical Transmission	59
BeLAZ-7548		
6-7506A	Engine	56
7312A	Matching Transmission	59
7612A	Matching Transmission	59
7618A	Wheel Hubs	62
7624A	Wheel Hubs	63
7608A	Steering System	58
KAZ-4540		
7510A	Transmission	58
6-7204A	Engine Feed System	54
6-7516A	Wheel Hubs	61
6-7516A1	Wheel Hubs	61
7204A	Engine Feed System	55
7516A	Wheel Hubs	61
KAZ-608B		
6-7610A	Wheel Hubs	58
7517A	Rear Axle	61
7610A	Wheel Hubs	58
6-7613A	Rear Axle	60
7215A	Rear Axle	60
7611A	Wheel Hubs , Rear Axle	59
761 3A	Rear Axle	60
7815A	Rear Axle	60
MOAZ-54611-D357P, 6401-9585		
27315	Drive Axle	60
6-7204A	Engine	54
7205A	Engine	54
6-7205A	Engine	54
7519A	Drive Axle	62
MoAZ-6507, 7405-9586		
27315	Drive Axle	60
2007132	Drive Axle	64
6-7204A	Engine	54
7205A	Engine	54

6-7205A	Engine	54
KrAZ-250		
6-7204A	Engine Feed System	54
7612A	Wheel Hubs	59
7614A	Wheel Hubs	60
7712A	Intermediate/Rear Axle	59
7718AK	Wheel Hubs	62
7204A	Engine	55
KrAZ-255		
6-7204A	Engine Feed System	54
7204A	Engine Feed System	55
7712A	Front/Intermediate/Rear Axle	59
7718AK	Wheel Hubs	62
7718AK	Wheel Hubs	62
KrAZ-256B1, 257B1, 257B1A, 258B1		
6-7204A	Engine Feed System	54
6-7610A	Wheel Hubs	58
6-7613A	Wheel Hubs	60
7204A	Engine Feed System	55
7610A	Wheel Hubs	58
7712A	Rear Axle	59
7613A	Wheel Hubs	60
7718AK	Wheel Hubs	62
KrAZ-260, 260A, 260V, 260G, 260D, 260S		
27313	Intermediate/Rear Axle	60
6-7204A	Engine Feed System	54
6-7312A	Front Axle	59
7204A	Engine Feed System	55
7218A	Rear Axle	61
7312A	Front Axle	59
7519A	Front Axle	62
7718AK	Wheel Hubs	62
7219M	Rear Axle	62
KrAZ-63221		
7204A	Engine	55
7611A	Front Axle	59
7718AK	Wheel Hubs	62
KrAZ-6446		
7204A	Engine	55
7611A	Front Axle	59
7718AK	Wheel Hubs	62
7218A	Intermediate/Rear Axle	61
7312A	Front Axle	59
KrAZ-65032, 6510		
7204A	Engine	55
7718AK	Wheel Hubs	62
7610A	Wheel Hubs	58
7613A	Wheel Hubs	60
KrAZ-65053, 65101		
7204A	Engine	55
7718AK	Wheel Hubs	62
7612A	Wheel Hubs	59
7614A	Wheel Hubs	60

ErAZ-3730, 37301, 37302, 37303, 37304, 37305		
977907K1	Steering System	69
877907	Steering System	69
57707AY	Rear Axle	70
6-7305AШ	Wheel Hubs	54
6Y-7307A	Wheel Hubs	57
Y-7510A	Rear Axle	58
ErAZ-762V		
977907K1	Steering System	69
7806A	Wheel Hubs	69
877907	Steering System	69
6-7305A	Wheel Hubs	54
Y-7510A	Rear Axle	58
7806A	Wheel Hubs	69

BUSES AND TROLLEYBUSES

Buses					
LiAZ-5256					
6-7204A	Engine Feed System	54	6-7204A	Door	54
6-7206A	Steering System	56	6-7614A	Front Axle	60
6-7207A	Steering System	57			
7204A	Engine Feed System	55	KAVZ-3100		
7206A	Steering System	56	6-7206A	Steering System	56
7512A2	Front Wheel Hubs	59	6-7207A	Steering System	57
7515A	Wheel Hubs	60	6-7613A	Wheel Hubs	60
977907K1	Steering System	69	6-7615A	Rear Axle	61
7207A	Steering System	57	7206A	Steering System	56
LiAZ-667. 677B. 677V. 677M. 677P			7207A	Steering System	57
6-7206A	Steering System	56	7216A	Rear Axle	61
6-7207A	Steering System	57	7314A	Rear Axle	60
6-7615A	Rear Axle	61	7613A	Wheel Hubs	60
7206A	Steering System	56	7615A	Rear Axle	61
7207A	Steering System	57			
7216A	Rear Axle	61	KAVZ-685M		
7314A	Rear Axle	60	27308AKY	Front/Rear Axle	58
7613A	Wheel Hubs	60	6-7609AK	Wheel Hubs	58
7613A	Wheel Hubs	60	7609A	Wheel Hubs	58
7615A	Rear Axle	61	987910K	Steering System	69
977907K1	Steering System	69	7515A	Wheel Hubs	60
			7606A	Wheel Hubs	56
PAZ-3201			Y-807813A	Rear Axle	59
27307	Front/Rear Axle	57			
27308AKY	Front/Rear Axle	58	LAZ-695E, 695N, 697R		
6-7204A	Engine Cooling System	54	7608A	Wheel Hubs	58
7204A	Engine Cooling System	55	7611A	Wheel Hubs	59
7515A	Wheel Hubs	60	977907K1	Steering System	69
7611A	Wheel Hubs	59			
			LAZ-699N. 699R		
PAZ-3205			6-7610A	Wheel Hubs	58
27308AKY	Front/Rear Axle	58	6-7613A	Wheel Hubs	60
6-7204A	Engine Cooling System	54	7610A	Wheel Hubs	58
7204A	Engine Cooling System	55			
7515A	Wheel Hubs	60	Ikarus -250. 256. 260. 280		
7608A	Wheel Hubs	58	6-7314A	Rear Axle	60
27709K1Y	Axle Drive Gear	58	6-7612A	Rear Axle	59
7611A	Front Wheel Hubs	59	6-7610A	Front Wheel Hubs	58
			6-7609AK	Transmission	58
PAZ-32053					
6-7517A	Rear Wheel Hub	61	Trolleybuses		
6-7516A1	Compensation Gear	61	ZIU-9		
6-7815A	Rear Wheel Hub	60	7204A	Door	55
6-7610A	Rear Wheel Hub	58	7216A	Rear Axle	61
			7220	Rear Axle	62
PAZ-672			7222A	Rear Axle	62
6-7204A	Engine Cooling System	54	7308A	Tensioners	57
7204A	Engine Cooling System	55	7314A	Rear Axle	60
7515A	Wheel Hubs	60	7508	Steering System	57
7608A	Wheel Hubs	58	6-7508	Steering System	57
7611A	Wheel Hubs	59	7512A	Tensioners	59
			7516A	Rear Axle	61
ZIU-683B			7614A	Front/Rear Axle	60
7204A	Door	55	6-7614A	Front Axle	60
7308A	Tensioners	57	7616A	Rear Axle	61
7508	Steering System	57			
7512A	Tensioners	59	ZIU-9VG962V		
7611A	Front Axle	59	7204A	Door	55
7614A	Front Axle	60	7308A	Tensioners	57
			7508	Steering System	57
			7512A	Tensioners	59
			7611A	Front Axle	59

7614A	Front Axle	60
T - 150		
7311A	Guide Wheel	59
2007122A	Planetary Gear	62
7310A	Intermediate Cardan Shaft	58
7313A	Axle Drive	60
7224A	Planetary Gear Casing	63
7513A	Guide Wheel	59
7517A	Axle Drive	61
7614A	Axle Drive	60
7909A	Road Wheel Spindle	58
T - 150K		
7224A	Wheel Drive Hub	63
7517A	Front Axle, Rear Axle	61
7614A	Rear Axle	60
2007122A	Epicyclic Gear	62
7310A	Intermediate Cardan Shaft	58
7313A	Drive Pinion	60
7517A	Compensation Gear	61
7614A	Drive Pinion	60
T-75		
7513A	Guide Wheel	59
7612A	Rear Axle	59
7909A	Guide Wheel	58
T-16		
7305A	Steering Knuckle	54
7512A	Pear Axle Drive	59
7607A	Steering Knuckle	57
7608A	Rear Axle Drive	58
T4A		
7204A	Fuel Pump	54
7519A	Drive Wheel Axle	62
7609A	Support Roller	58
T - 25Φ		
7306A	Wheel Hub Drive	56
7512A	Rear Wheel Axle	59
7608A	Rear Wheel Axle	58
T-40		
7608A	Front Wheel Hubs	58
7609A	Front Wheel Hubs	58
7507	Front Axle	57
T-50		
7215A	Compensation Gear	60
7606A	Steering System	56
7608A	Front Wheel Hubs	58
7610A	Transmission	58
T - 30A-80		
7605 A	Front Axle	55
7512A1	Rear Wheel Axle	59
T - 25A		
7512A1	Rear Wheel Axle	59
7306 A	Front Wheel Axle	56
7305A	Front Wheel	54
ТДТ - 55A		
7615A	Suspension	61

7315A	Drive Axle	60
7610A	Winch	58
7612A	Drive Wheel	59
TT4- 02		
7204A	Fuel Pump	54
T02.01		
7204A	Suspension System	54
7206A	Suspension System	56
T - 012		
7304A	Wheel Hub Drive	54
T170.01		
7516A	Axle Drive Gear	61
T10.02		
7516A	Axle Drive Gear	61
T-82		
7507A	Front Axle	57
TB - 1		
7612 A	Track Carriers	59
MT3 - 82, MTZ - 82L		
7212A	Compensation Gear	59
2007114	Front Axle	60
7306A	Transfer Gear	56
67512A2	Transmission	68
7607A	Front Axle	57
7507	Front Axle	57
MTZ - 100, MTZ - 102, MTZ-1221		
7216A	Rear Axle	61
2007109A	Front Drive Axle	58
7218A	Rear Axle	61
7506A	Front/Front Axle	56
7516A	Rear Axle	61
MTZ - 80, MTZ - 80L		
7204A	Fuel Pump	55
7610A	Transmission	58
67512A1	Transmission	68
MTZ - 52, 52L		
2007114	Front Axle	60
DT - 20		
7305A	Front Wheel	54
7512A	Rear Wheel Axle	59
7608A	Rear Wheel Axle	58
DT - 75		
7311A	Guide Wheel	59
DT-175M		
7311A	Guide Wheel	59
LTZ - 30A		
7605A	Front Axle	55

7512A1	Rear Wheel Axle	59
ЛТЗ - 30		
7306A	Steering Knuckle Spindle	56
7605A	Transfer Gear	56
ЛТЗ - 55		
7609A	Front Wheel Hubs	58
ЛТЗ - 55A		

7609A	Power Takeoff Shaft	58
K - 701		
7204A	Engine	55
7205A	Control System	54
97814Y	Engine	70
VT - 100. VT - 130K		
7311A	Guide Wheel	59

COMBINE HARVESTERS

Kolos		
27308AKY	Drum Rotation Control Device	58
7516A		61
7517A	Final Drive	61
7606A	Idle Wheel Axle	56
7609A	Idle Wheel Axle	58
KSK-4		
7312A	Reduction Gear	59
7313A	Reduction Gear	60
7509A	Vane Wheel Support	58
7515A	Idle Wheel Axle	60
7516A	Idle Wheel Axle	61
7517A	Drive Axle	61
7607A	Transmission	57
7309A	Transmission	58
KSKU-6		
7310A	Reduction Gear	58
7507A	Bevel Drive	57
7520A	Reduction Gear	62
7606A	Idle Wheel Axle	56
7609A	Idle Wheel Axle	58
7610A	Reduction Gear	58
Kzs-z		
7516A	Drive Wheel Axle	61

7517A	Drive Wheel Axle	61
7609A	Idle Wheel	58
Don-1200		
7513A	Final Drive	59
7519A	Final Drive	62
7610A	Idle Wheel Axle	58
7613A	Idle Wheel Axle	60
Don-1500		
7519A	Final Drive	62
7610A	Idle Wheel Axle	58
Don-680		
7610A	Axle Wheel Hub	58
7613A	Axle Wheel Hub	60
Enisey 1200		
7516A	Drive Axle	61
7517A	Drive Axle	61
7606A	Idle Wheel Drive	56
7609A	Idle Wheel Drive	58
Hiva		
7516A	Drive Wheel Axle	61
7517A	Final Drive	61
7609A	Idle Wheel Drive	58

REAR HOES

EKG-12.5		
7507A	Cable Reel	57
7605A	Cable Reel	54

EKG-4.6B, EKG-5A		
7516A	Pivot Device	61
ESh-10/60		
7511A	Boom Hoist	59

Application of Bearings to Trailer Units

6-7204A	Drop-Side Semi-trailer	SZAP-8195	Landing Gear	54
	Car Trailer	8183	Wheel Hubs	
	Car Trailer	SZAP	Wheel Hubs	
	Car Trailer	Sokol	Wheel Hubs	
	Tractor Trailer	78461	Wheel Hubs	
6-7205A	Drop-Side Semi-trailer	SZAP-8195	Landing Gear	54
6-7206A	Car Trailer	8165	Wheel Hubs	56
	Car Trailer	Skif-500	Wheel Hubs	
	Car Trailer	MD-8268, MD-8284	Wheel Hubs	
6-7305A	Car Trailer	8122 Pchelka	Wheel Hubs	54
	Tractor Trailer	MD-8268, MD-8284	Wheel Hubs	
6-7516A1	Dump Trailer	03TP- 8572g.	Wheel Hubs	61
	Dump Trailer	03TP- 9554g.	Wheel Hubs	

Table continued

6-7517A	Dump Trailer	GKB-8551	Wheel Hubs	61
	Drop-Side Trailer	SZAP-8357	Wheel Hubs	
	Drop-Side Trailer	SZAP-8305	Wheel Hubs	
	Drop-Side Trailer	SZAP-83053	Wheel Hubs	
	Dump Trailer	SZAP-8543	Wheel Hubs	
	Dump Trailer	SZAP-85514	Wheel Hubs	
	Drop-Side Trailer	SZAP-9340	Wheel Hubs	
	Drop-Side Trailer	SZAP-9327	Wheel Hubs	
	Drop-Side Trailer	SZAP-93271/93271A	Wheel Hubs	
	Drop-Side Trailer	SZAP-93272/93272A	Wheel Hubs	
	Drop-Side Trailer	SZAP-9328	Wheel Hubs	
	Drop-Side Trailer	SZAP-9329	Wheel Hubs	
	Dump Trailer	SZAP-9517	Wheel Hubs	
	Dump Trailer	SZAP-95171	Wheel Hubs	
	Container Trailer	SZAP-9905	Wheel Hubs	
	Container Trailer	SZAP-9908	Wheel Hubs	
	Dolly	TTs-16	Wheel Hubs	
	Dolly	TPK-16	Wheel Hubs	
	Dolly	TPK-24	Wheel Hubs	
	Spraying Devices	OPU-2000	Wheel Hubs	
	Spraying Devices	OPU-2/21-2600	Wheel Hubs	
	Dump Trailer		Wheel Hubs	
	Dump Trailer	TM3802. TM3803	Wheel Hubs	
	Pole Trailer	1-R-5A. 1-R-A	Wheel Hubs	
6-7612A	Truck Trailer	MAZ 5243	Wheel Hubs	59
6-7804Y	Car Trailers	MMZ-81021-011	Wheel Hub	54
	Car Trailers	NEFAZ-8122	Wheel Hub	
	Car Trailers	MMZ-81024	Wheel Hub	
	Car Trailers	BAZ-81431	Wheel Hub	
	Car Trailers	Tarpan-500	Wheel Hub	
	Car Trailers	Askaniya	Wheel Hub	
6-7805Y	Car Trailers	MMZ-81021-011	Wheel Hub	54
	Car Trailers	NEFAZ-8122	Wheel Hub	
	Car Trailers	MMZ-81024	Wheel Hub	
	Car Trailers	BAZ-81431	Wheel Hub	
	Car Trailers	Tarpan-500	Wheel Hub	
	Car Trailers	Askaniya	Wheel Hub	
	Tractor Trailer	8113	Wheel Hub	
6-7815A	Drop-Side Trailer	SZAP-8357	Wheel Hubs	60
	Drop-Side Trailer	SZAP-8305	Wheel Hubs	
	Drop-Side Trailer	SZAP-83053	Wheel Hubs	
	Dump Trailer	SZAP-8543	Wheel Hubs	
	Dump Trailer	SZAP-85514	Wheel Hubs	
	Drop-Side Trailer	SZAP-9340	Wheel Hubs	
	Drop-Side Trailer	SZAP-9327	Wheel Hubs	
	Drop-Side Trailer	SZAP-93271/93271A	Wheel Hubs	
	Drop-Side Trailer	SZAP-93272/93272A	Wheel Hubs	
	Drop-Side Trailer	SZAP-9328	Wheel Hubs	
	Drop-Side Trailer	SZAP-9329	Wheel Hubs	
	Dump Trailer	SZAP-9517	Wheel Hubs	
	Dump Trailer	SZAP-95171	Wheel Hubs	
	Container Trailer	SZAP-9905	Wheel Hubs	
	Container Trailer	SZAP-9908	Wheel Hubs	
	Dolly	TTs-16	Wheel Hubs	

Railway Bearings – Railroad Manufacturing

Bearing Type	Catalogue Page	Bearing Type	Catalogue Page
782726K1MY	36	2007140	36
20-782726KM	36	5-2007140	36
БTKC-897826X	36	2007140M	36
897830XMY	36	6-2007140M	36
897830X1 MY	36	30-42726E2M	36
TBU120XM	36	30-232726E2M	36

C-49988	36	30-42726Л4М	36
7536А	36	30-232726Л4М	36
5-2007144	36	30-3032948ЛМ	36
6-2007144Л1У	36	97826КМ	36
6-2007144ЛМ	36		

Roller/Converter Bearings for Metallurgy Applications

Bearing Type	Catalogue Page	Bearing Type	Catalogue Page	Bearing Type	Catalogue Page	Bearing Type	Catalogue Page
7132	64	597/750	81	10777/560М	76	6-847156ЛМ	74
7138	64	6-1077776М1	76	10777/560М1	76	6-97520АУ	70
7526	63	612888К	84	10777/670М	76	6-97520АУ1	70
7728	63	6-17722Л	69	10777/670М1	76	6Н-787756ХМ	77
7736	64	6-2007928	63	10777/670М2	76	70-2002780М	33
7941	64	6-2007928М1	63	10777/750М	76	70-4202192М	36
7947	65	6-2007944М	64	10777/850ХМ	76	71/500М	66
7956	65	6-2007944М1	64	1077756М	75	71/900М	67
49742	82	6-2007960М	65	1077776М	76	7138	64
67819	68	6-2077144ЛМ	75	1077792ХМ	76	7184М	66
97521	70	6-2077144М1	75	1077796М	76	7188ХМ	66
97718	70	6-2077164М	75	1077988М	76	7230КМ	64
97727	70	6-2097972МТ	71	1077996М	76	7244КМ	65
97820	70	6-266144КЛ	51	1097760М	71	742782М	40
477752	77	6-30029/950	33	1097768М	71	742788М	40
672778	34	6-366156КЛ	51	1097776М	72	7429/571	74
782760	36	6-477752ЛМ	77	1097780М	72	747746М	74
847929	74	6-477752ХЛМ	77	1097782М	72	749794Л	82
1027320	62	6-477752ХМ	77	1097784М	72	7524М	63
1032980	34	6-477756ХМ	77	10979/500М	72	7526М	63
6-7138	64	6-577768ХМ	77	10979/530М	72	7528М	63
2007140	53	6-577796ХМ	77	10979/560М	72	7530М1	64
2007928	63	6-577796ХМ2	77	10979/600М	72	7532М	64
2077152	75	6-577796ХР32	77	10979/630М	72	7536А	53
2077156	75	66-4262188Х	37	10979/710КМ	72	7538М	64
2097132	70	66-462836ХЛМУ	38	10979/710М	72	7544М	65
2097930	70	6-66144КЛ	50	10979/800М	72	7620А	62
2097936	71	6-66156КЛ	50	10979/850М	72	7622А	63
2097938	71	672778М	34	10979/950М	72	7624А	63
2097948	71	6-771/630М	76	1097976КМ	72	762726КУ	36
5-7860	65	67728КМ	68	1097976М	72	762726У	36
4003772	47	6-777/431М	77	1097980ЛМ	72	7634М	64
9809352	80	6-777/650М1	76	1097992КМ	72	764728У	36
1/560	32	6-7772КМ	66	1097996ЛМ	72	77/520М	66
10078/850М	67	6-77741М	75	1097996М	72	77/560М	66
10079/1800М	67	6-77752ЛМ	75	1327/840	33	771/500М	76
10079/1800М1	67	6-77752М	75	1327/840М	33	771/500ХМ	76
10079/500М	67	6-77760М1	75	1327/890	33	771/500ХМ1	76
10079/530М	67	6-777752ХЛМ	75	1327/890М	33	771/630М	76
10079/900М	67	6-777752ХЛМ1	75	1527360М	74	771/630М1	76
1007984М	66	6-777752ХЛМ2	75	156Л	32	77140ХМ	75
1007996М	66	6-777752ХМ	75	176252Л	50	77168М	75
1027320	62	6-77779ХКМ1	76	176252Л1	50	77172ХМ	76
1027322М	63	6-778/540ЛМ2	76	189757М	82	77184ЛМ	76
1027324М	63	6-778/540ХМ2	76	189772ХМ	82	77184ЛМ1	76
1027328М	64	6-77880ХМ	76	189878М	82	77196М	76
1027336М	64	6-77953ХМ	75	189892М	82	7728	63
1027340М	64	6-77968ХМ	65	2002780М	33	7730М	64
1032752М	34	6-77968ХМ2	65	20028/670М	33	7736	64
1032980	34	6-7860М	65	2007128М	63	7760М	66
1032980М	34	6-787196ХКМ	77	2007136М	64	777/431М	77
1077284ХМ	76	6-787196ХМ	77	2007138М	64	777/431ХМ1	77
10777/500М	76	6-787756ХМ	77	2007140М	53	777/533М	76
10777/500М1	76	6-8471/560ХМ	74	2007148М	65	777/620КМ	76
				2007152М	65	777/620М	76

Bearing Type	Catalogue Page	Bearing Type	Catalogue Page	Bearing Type	Catalogue Page	Bearing Type	Catalogue Page
2007156M	65	777/620M1	76	2097930	70	80-144Л	32
2007160M	65	777/620M2	76	2097936	70	8097/1800X	80
2007164M	66	777/645M	76	2097936K	71	8471/560XM	74
2007730X	64	777/647M	76	2097938	71	8471/900XM	74
20078/1320M	67	777/650M	76	2097940K	71	847156KЛМ	74
20078/850XM	67	777/650M1	76	2097940M	71	847156KЛМ1	74
20079/1320M	67	777/660M	76	2097944M	71	847156KM	74
2007928	63	777/750M	76	2097948	71	847156ЛМ	74
2007940M	64	7772KM	66	2097952M	71	847156ЛМ2	74
2007944M	64	7772KM1	66	2097960M	71	847164ЛМ	74
2007944M1	64	77741M	75	2097968M	71	847180ЛМ	74
2007952M	64	77752ЛМ	75	2097972KM	71	847792M	74
2007960M	65	77752M	75	2097972ЛМ	71	889764X	80
2007968M	66	77752M1	75	2097972M	71	889764XK	90
2007972M	66	77752XЛМ	75	212792M	41	889764XK1	80
2030031/600XHP	47	77752XM	75	212956M	37	89739K	81
2032172ЛМ	34	77757M	75	2556M	33	89764K	81
2032172XЛМ	34	77760M	75	2768M	33	897830X1MY	53
2032780M	34	77766M	75	3002168ГМ	33	9019452A	81
20329/500M	34	777770M	76	30029/950	33	927/700M	35
20-42629/710	37	777792M	76	30031/600XH	47	971/500	72
20-4427/750XK	40	77779XKM	76	30-	53	971/500M	72
20-4428/750X	40	77779XKM1	76	3032948ЛМ			
204429/630XЛМ	40	77779XM	76	3032180M	34	971/560M	72
204429/710XЛМ	40	77788M	76	30777/530M	76	971/600	72
20-4429/900X	40	77788M1	76	30777/530M1	76	971/600M	72
20-6462164M	39	778/520M	76	307986Л	66	971/710M	72
2077140M	75	778/540	76	31688/630XK	78	971/800M	72
2077144ЛМ	75	778/540M	76	32218E	66	97168M	71
2077144M1	75	778/540M1	76	32532Л1M	34	97172M	71
2077148M	75	778/540XM2	76	327/600M	34	97180M	72
2077152M	75	778/660M	76	327/700	34	97184M	72
2077156M	75	7784M	66	327/700M	34	97188M	72
2077160M	75	77868XM1	75	330758BG	75	97192M	72
2077160XM	75	77880XM	76	331157BG	75	97192M1	72
2077164M	75	77888XK2	76	351006A	78	97518	72
2077960XM	75	77888XM	76	36-	40	97518A1	70
20-90914N4U	75	77888XM1	76	262744XMY2			
20-90952N4U	42	77888XM2	76	36-	40	97519A	70
2092992M	35	779/530XM	76	262768XMY2			
2097132	70	779/600M	76	36-442860XM	40	97520AY1	70
2097136M	71	779/630XM	76	36-	40	97521	70
2097140M	71	77930M	75	442860XM1			
2097144M	71	77951M	75	36-	39	97524A	70
2097148M	71	77953XM	75	6442144XM			
2097152ЛМ	71	77961 XM	75	36-6442176K	42	97526KM	70
2097152M	71	77968XM	75	36-	42	97526M	70
2097152M1	71	77968XM1	75	6442176K1			
2097156M	71	77976M	76	40-	47	97530M	70
2097724M	70	782726K1MY	36	30032/850X			
2097730KM	70	782756M	36	40-4427/850X	40	977/520M	72
2097730ЛМ	70	7828M	64	40471/500M	74	977/540M	72
2097730M	70	7832M	64	40-	48	977/560M	72
2097732M	70	7832M	64	538/1320XK			
2097736M	71	7841M	64	4162968KЛ	38	977/720M	72
2097738M	71	7851M	64	42536ЛМ	35	97712A	70
2097740M	71	7860M	65	42629/530	37	97720M	70
2097744M	71	7933M	64	42629/530M	37	97726M	70
2097748M	71	7941	64	42629/710	37	97730M	70
2097752M	71	7951M	65	4282980AKY	37	97732M	70
				4427/710X	40	97741M	71

Table continued

Bearing Type	Catalogue Page	Bearing Type	Catalogue Page
4427/850X	40	97746M	71
4427/950X	40	97748M	71
461/750Л	50	97752M	71
47752M	54	97760M	71
48479/750M	74	97770M	71
49768X	82	97772M	71
49868X	82	97780M	72
5-10079/630	66	97798M	72
5-1007976Л	66	97820	70
5-2007156	65	97852M	71
5-2007160	66	97860M	71

Bearing Type	Catalogue Page	Bearing Type	Catalogue Page
5-2007164	66	BC48062/HA1VU001	41
5-2007944	64	LM545848/LM545810	68
5-2007968	66	LM565949/LM565910B	68
5-2097115	70	NNU40/530M/W33	36
5-2097948	71	NNU40/560M/W33	36
5228K		NNU4068M/W33	36
5362980KM	39	NNU4148M/W33	36
538/1320XK	47	NU6044M1C3	43
5-7188X	66	NU6052M1C3	43
5-7188XM	66	C-49988	53

Bearings For Oil & Gas Industry

Bearing Type	Catalogue Page	Bearing Type	Catalogue Page
168762	78	6-7352M	65
889736	80	6-7352M1	65
10079/710M1	67	7097152M	71
1032752M	34	7097156M	71
21821/560	38	7352M	65
31688/630XK	78	7352M1	65
32532Л1M	34	7352M2	65
50-30928/630AM	35	7538M	64
50-30928/630ЛM	35	889752X1	80
5-21821/560	38	889852X1	80
5-21821/670	38	89752K	81

Bearing Type	Catalogue Page	Bearing Type	Catalogue Page
56-30928/630AM	35	91682/641XK	78
56-30928/630ЛM	35	91682/670XK	78
6-10079/710M	67	969452A	83
6-10079/710M1	67	97736M	71
6-19744XY	81	97744ЛM	71
6-19752XY	81	97745M	71
6-19760XY	81	97748M	71
6-2097972MT	71	97841M	71
6-21821/670M	38	97936XM	71
672878M	34		

Bearings for Cement Industry

Bearing Type	Catalogue Page	Bearing Type	Catalogue Page
3556	47	3077776M	76
42624	35	31821/500	38
97188	72	3182172K	38
97521	70	3182172K1	38
132756	33	32221/560M	36
1097768	34	32322	34
1097992	34	32324	34
1097996	34	32532Л1M	34
2007144	65	4427/500X	40
2007160	65	5-2097948	71
2007928	63	5-31821/500	38
5-7526	63	6-2007144M	65
5-7528	63	6-2007156M	65
5-7530	64	6-2007160M	65
2097132	70	6-2007164M	66
2097948	71	6-2007928	63
2097960	71	6-2007928M1	63
3182172	38	6-7528M	63
3282168	36	6-77748M	75
9019436	81	70678/800M	68
9889468	80	7528M	63
10079/560M	66	7530M	64
1032752M	34	7530M1	64
1097768M	71	7536A	53

Bearing Type	Catalogue Page	Bearing Type	Catalogue Page
1097776ЛM	72	7620A	62
1097776M	72	7622A	63
10979/710KM	72	7624A	63
1097992KM	72	777/750	76
1097996ЛM	72	777/750M	76
1097996M	72	77748M	75
2007144	65	78682/710	78
2007144A	65	8292Г	78
2007144АЛ	65	9009580X	80
2007144EM	65	9019464K	81
2007144M	65	9019476K	81
2007160M	65	971/560ЛM	72
2007928	63	971/560M	72
2097132	70	971/710	72
2097140M	71	971/710M	72
2097152ЛM	71	97172ЛM	71
2097152M	71	97172M	71
2097948	71	97521	70
2097948M	71	9889468	80
2097960ЛM	71	9889468K	80
2097960M	71	9889492K	80
30031/600XH	47	9889492X	80
30-30031/600X	47	9889492X1	80
3030031/600XH	53	C-49988	53
30-3003752	47		

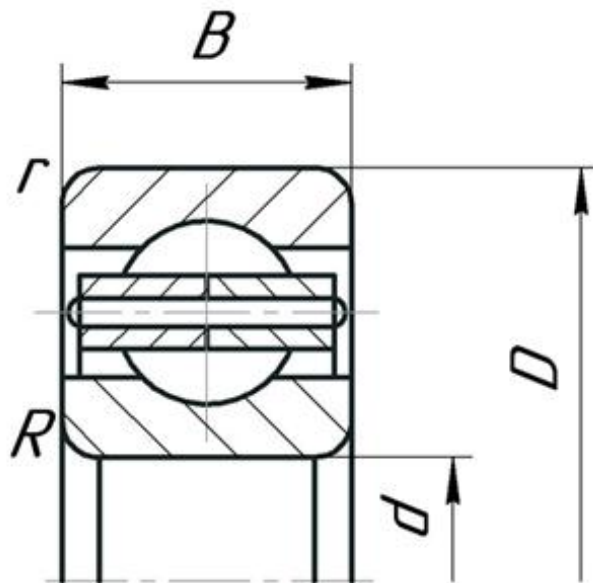
Bearings for Coal Industry

Bearing Type	Catalogue Page	Bearing Type	Catalogue Page
7526	63	1097976KM	72
7526M	63	1097976M	72
7528M	63	1097980ЛМ	72
7530M1	64	2097152M	71
7536A	53	2097972M	71
3182172	38	30031/530	47
3182180	38	3202776M	36
3182192	38	32532Л1M	34
10079/500M	67	5-3182192	38
10079/710K3M	67	6-10079/900AXM	67

Bearing Type	Catalogue Page	Bearing Type	Catalogue Page
10079/710M	67	6-10079/900M	67
10079/710M1	67	6-21821/560	38
1007996M	66	6-3182192	38
1027340M	64	97168M	71
1032752M	34	97172M	71
1097760M	71	97180M	72
1097768M	71	97766M	71
10979/500M	72	97768M	71
10979/710M	72	97773M	71
10979/950M	72	97784M	72

Single-Row Radial Ball Bearings

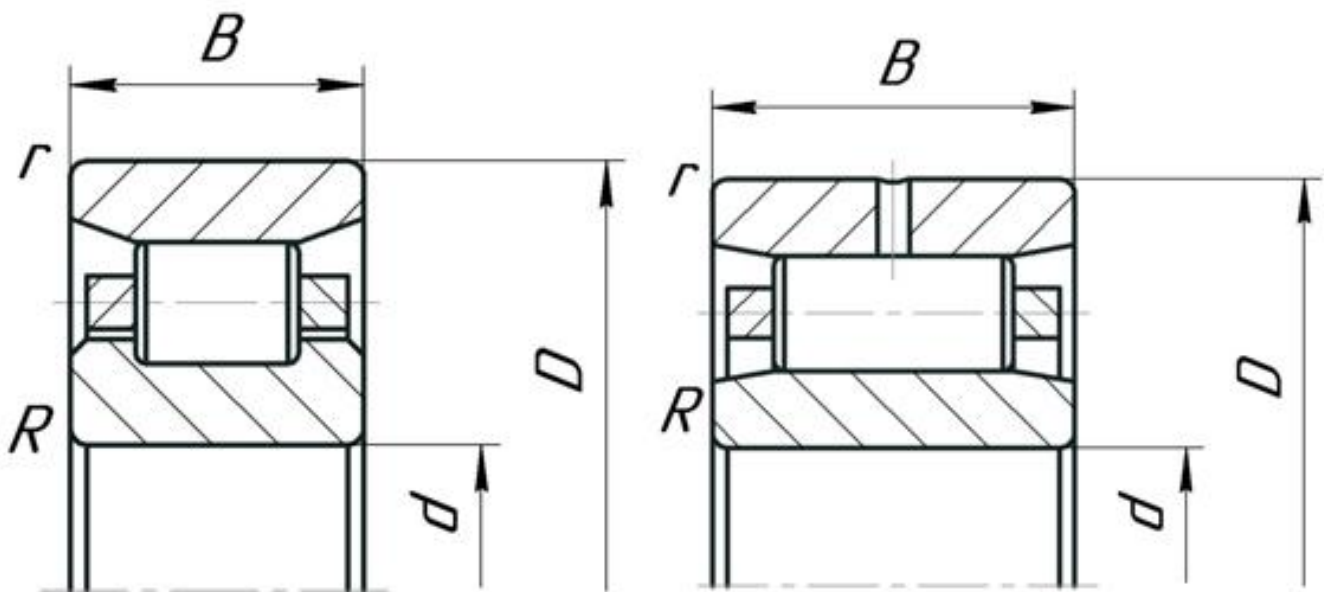
Single-Row Radial Ball Bearings



Bearing Type	Internationa Code	Dimensions, mm			Bearing Capacity		$N_{limit}, (min^{-1})$	Bevel Radius		Weight, kg
		d	D	B	C (kN)	Co (kN)		R_{min}, mm	r_{min}, mm	
80-144Л	6044. MA	220	340	56	247	290	1800	3	3	19.8
156Л	6056. MA	280	420	65	302	405	1400	4	4	32.9
1/560	60/560	560	820	115	704	1402		10	10	219
619/710	619/710.MA	710	950	106	106	663	600	6	6	230

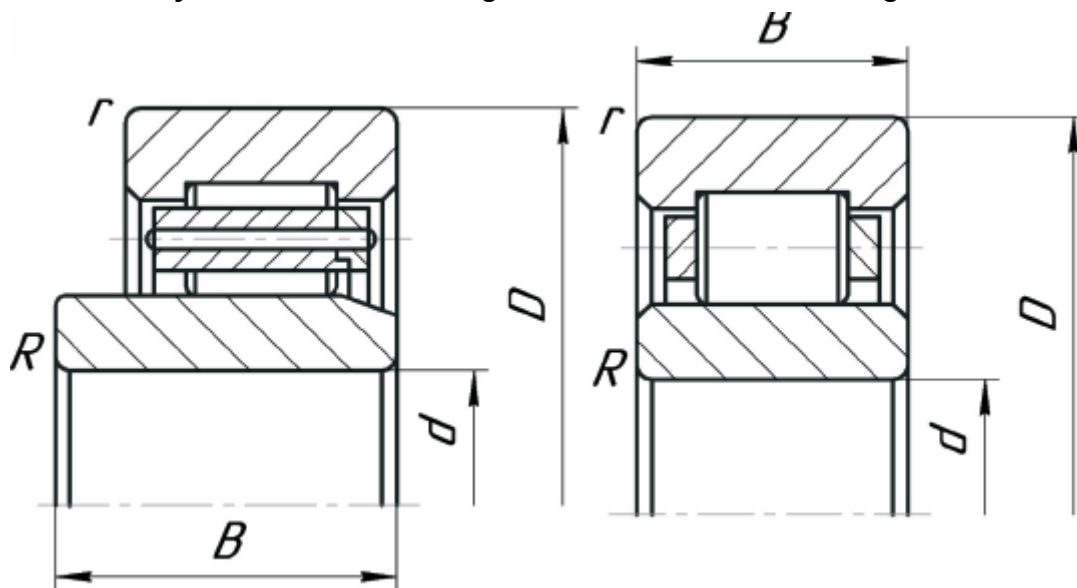
CYLINDRICAL ROLLER BEARINGS

Cylindrical Roller Bearings with Short Rollers



Bearing Type	International Code	Dimensions, mm			Bearing Capacity		N_{limit} , (min ⁻¹)	Bevel Radius		Weight, kg	Drawing No.
		d	D	d	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
132756		280	440	135						98.9	2
2556M	NU2256	280	500	130	1826	3306	1150	4,7	4,7	119	1
3004264		320	580	208	2820	3370	800	5	5	25,5	1
3002168ГМ		340	520	133	1532	3365				106	1
2768VI		340	530	133	1686	3366		4,7	4,7	114	1
2002780M		400	650	145	2529	4516		6	6	193	1
70-2002780M		400	650	145	2529	4516		6	6	193	1
20028/670M		670	820	88	1646	4087		3,7	3,7	103	1
1327/840		840	1040	125	2937	8268		3,7	3,7	260	2
1327/840M		840	1040	125	2937	8268		3,7	3,7	260	2
1327/890		890	1090	130	2818	7964		3	3	292	2
1327/890M		890	1090	130	2818	7964		3	3	292	2
30029/950		950	1250	224	5456	13974		7,5	7,5	757	1
630029/950		950	1250	224	5456	13974		7,5	7,5	757	1

Cylindrical roller bearings with short rollers and flangeless inner ring

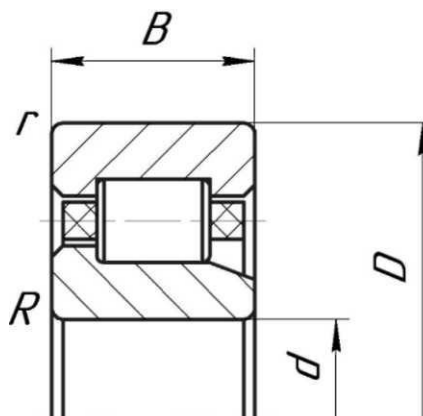


Drawing 1

Drawing 2

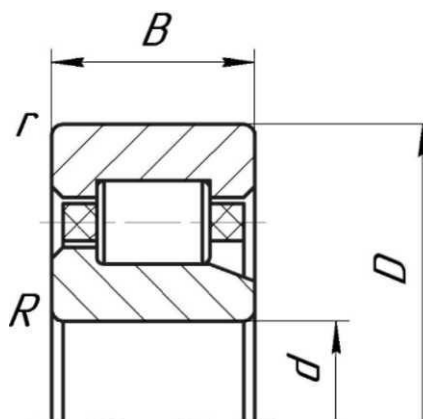
Bearing Type	International Code	Dimensions, mm			Bearing Capacity		N_{limit} , (min^{-1})	Bevel Radius		Weight, kg	Drawing No.
		d	D	d	C (kN)	Co (kN)		R_{min} , mm	r_{min} , mm		
32532LM1		160	290	80	809	695				24.5	2
1032752M		260	440	82	1040	1550		3.7	3.7	50.6	2
2032172LM	NU2072	360	540	106	1703	3158		4.7	4.7	92.7	2
2032172XLM	NU2072	360	540	106	1703	3158		4.7	4.7	92.7	2
672878M		390	560	82	900	1400		3	3	67.7	2
672778M		390	560	100	1132	1910		3	3	71.3	1
1032980		400	540	65	848	1544		3.7	3.7	42.5	2
1032980M		400	540	65	848	1544		3.7	3.7	42.5	2
3032180M		400	600	148	2318	4407		4.7	4.7	147	2
2032780M		400	650	145	2600	4681		6	6	196	2
672788M		440	620	110	1426	2474		3	3	96.6	1
20329/500M		500	670	100	1775	3849		4.7	4.7	103	2
327/600M		600	830	150	2820	6147		4.7	4.7	254	2
327/700		700	930	160	3006	6986		6	6	300	2
327/700M		700	930	160	3006	6986		6	6	300	2
327/770		770	1020	170	3200	7799		7.5	7.5	395	2

**CYLINDRICAL ROLLER BEARINGS WITH SHORT ROLLERS, WITH SINGLE FLANGE
INNER RING AND FLAT BEARING COLLAR**



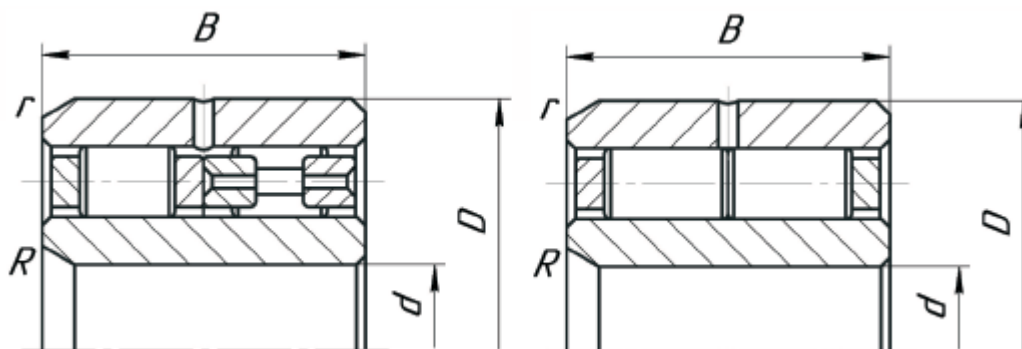
Bearing Type	Dimensions, mm			Bearing Capacity		N_{limit} , (min^{-1})	Bevel Radius		Weight, kg
	d	D	B	C(kN)	Co(kN)		R_{min} , mm	r_{min} , mm	
2092992M	460	620	95	1614	3435		3.7	3.7	91
50-30928/630AM	630	780	112	2291	5957		3.7	3.7	127
56-30928/630AM	630	780	112	2291	5957		3.7	3.7	127
50-30928/630ЛМ	630	780	112	1882	4582		3.7	3.7	130.7
56-30928/630ЛМ	630	780	112	1882	4582		3.7	3.7	130.7
927/700M	700	930	160	3000	7000		6	6	317

**CYLINDRICAL ROLLER BEARINGS WITH SHORT ROLLERS AND SINGLE FLANGE
INNER RING**



Bearing Type	Dimensions, mm			Bearing Capacity		N_{limit} , (min^{-1})	Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)		R_{min} , mm	r_{min} , mm	
6-42205A1EYШ1	25	52	15	8.8	16.8	11 000	1	1	0.135
6-42305AEYШ1	25	62	17	37.5	41.5	9 000	1.1	1.1	0.261
42624	120	260	86	792	1033				23.8
42536ЛМ	180	320	86	915	1565				31.8

Double-row cylindrical roller bearings with short rollers, flangeless inner and outer rings and solid metal retainer

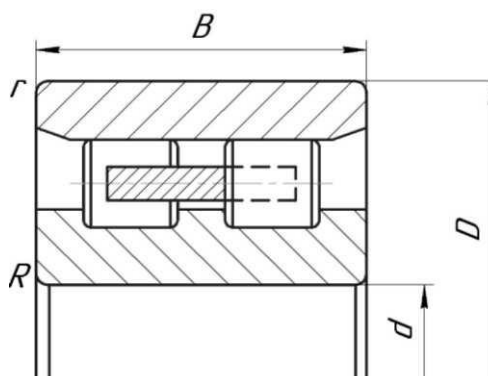


Drawing 1

Drawing 2

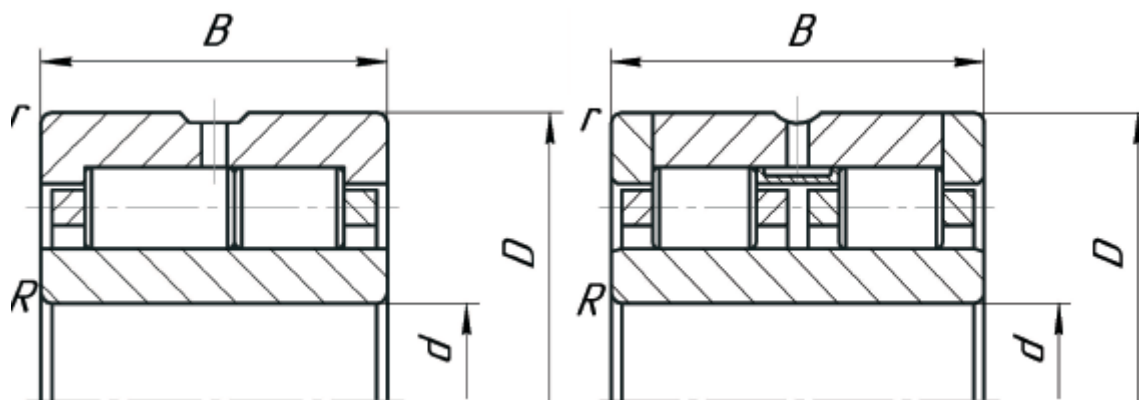
Bearing Type	Dimensions, mm			Bearing Capacity		N_{limit} , (min^{-1})	Bevel Radius		Weight, kg	Drawing No.
	d	D	B	C (kN)	Co (kN)		R_{min} , mm	r_{min} , mm		
20-782726M	130	230	110	900	1563	2600	3.7	3.7	19.7	1
20-782726KM	130	230	110	900	1563	2600	3.7	3.7	19.7	1
782726K1MY	130	230	110	900	1563	2600	3.7	3.7	19.7	1
762726Y	130	230	110	919	1036	2600	3.7	3.7	20.1	2
762726KY	130	230	110	919	1036	2600	3.7	3.7	20.1	2
764728Y	140	250	120	1185	2280	2400	3.5	3.5	23.8	2
782756M	280	460	200	2278	4680	800	6	6	150	2
782760	300	500	190	2815	5812	650	9.5	2.3	170	2

Cylindrical roller bearings with short rollers with flangeless outer ring and solid metal retainer



Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)	R_{min} , mm	r_{min} , mm	
3282168	340	520	133	1621	3202	4.7	4.7	100
3202776M	380	620	194	3422	6596			222
70-4202192M	460	680	218	3754	8558	6	6	288
32221/560M	560	820	195	4383	9170	6	6	377
NNU4148IWW33	240	400	160	1980	3650	4	4	82.8
NNU4068M/W33	340	520	180	2550	5100	5	5	139
NNU40/530M/W33	530	780	250	5500	12200	6	6	406
NNU40/560M/W33	560	820	258	5720	12900	6	6	460

Double-row cylindrical roller bearings with short rollers, flangeless inner ring and solid metal retainer

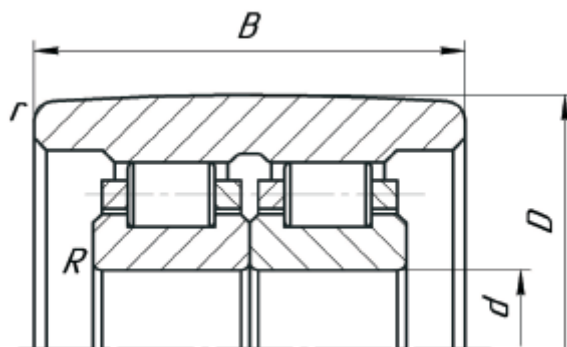


Drawing 1

Drawing 2

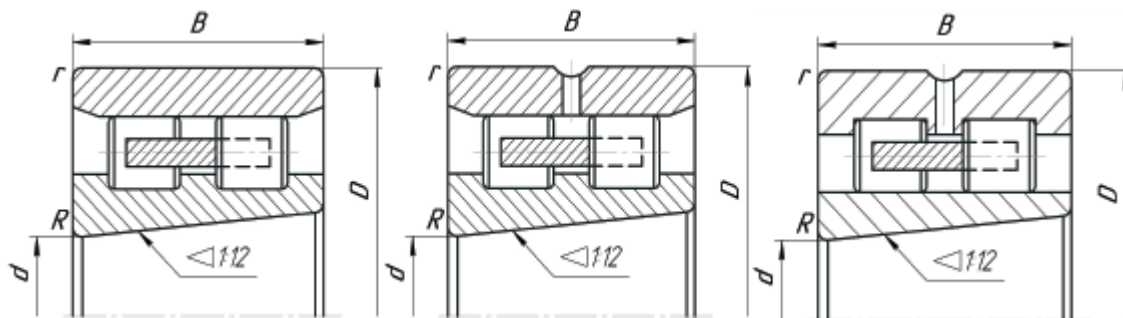
Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg	Drawing No.
	d	D	B	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm		
66-4262188X	440	650	212	3481	7641			235	2
42629/530	530	710	180	3187	7929	4.7	4.7	219	1
42629/530M	530	710	180	3187	7929	4.7	4.7	219	1
42629/710	710	950	243	5134	15165			504	1
20-42629/710	710	950	243	5134	15165			504	1

Double-row cylindrical roller bearings with short rollers, wide flangeless outer ring and solid metal retainer



Bearing Type	Dimensions, mm			Bearing Capacity		N _{limit} , (min ⁻¹)	Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm	
212956M	280	550	320	3131	6612	1150	4.7	7.5	366

Double-row cylindrical roller bearings with short rollers and flangeless outer ring with taper bore



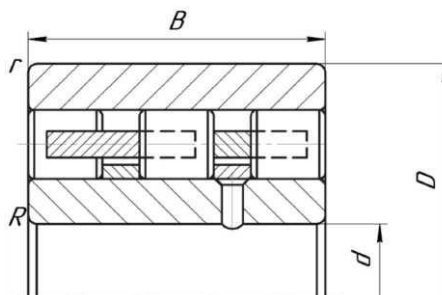
Drawing 1

Drawing 2

Drawing 3

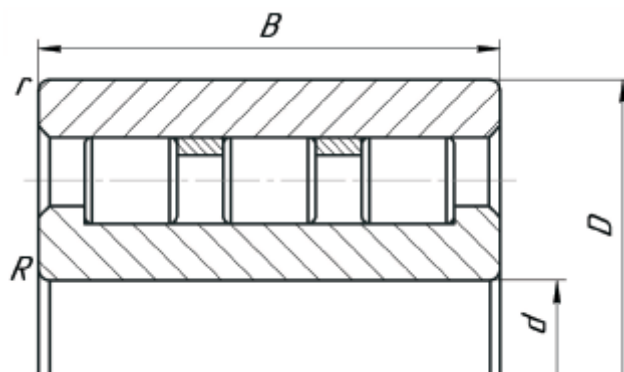
Bearing Type	Dimensions, mm			Bearing Capacity		N_{limit} , (min^{-1})	Bevel Radius		Weight, mm	Drawing No.
	d	D	B	C (kN)	Co (kN)		R_{min} , mm	r_{min} , mm		
3182168	340	520	133	1621	3202		4.7	4.7	97.3	1
3182168	340	520	133	1621	3202		4.7	4.7	97.3	1
6-3182168	340	520	133	1621	3202		4.7	4.7	97.3	1
4162968KЛ	360	460	118	1200	2500		3	3	56.8	3
3182172	360	540	134	1652	3331		5	5	106	2
5-3182172	360	540	134	1652	3331		5	5	106	2
6-3182172	360	540	134	1652	3331		5	5	106	2
3182172K	360	540	134	1652	3331		5	5	105	2
3182172K1	360	540	134	1652	3331		5	5	106	2
3182180	400	600	148	2033	4140		4.7	4.7	144	1
5-3182180	400	600	148	2033	4140		4.7	4.7	144	1
3182192	460	680	163	2538	5334		6	6	196	2
5-3182192	460	680	163	2538	5334		6	6	196	2
6-3182192	460	680	163	2538	5334		6	6	196	2
31821/500	500	720	167	2558	5512		6	6	213	1
5-31821/500	500	720	167	2558	5512		6	6	213	1
21821/560	560	820	150	3443	7386		6	6	267	1
5-21821/560	560	820	150	3443	7386		6	6	267	1
6-21821/560	560	820	150	3443	7386		6	6	267	1
5-21821/670M	670	980	180	4581	10354		7.5	7.5	452	1
6-21821/670M	670	980	180	4581	10354		7.5	7.5	452	1
4162968KЛ	340	460	118	1200	2500		3	3	56.8	3

Triple-row cylindrical roller bearings with short rollers



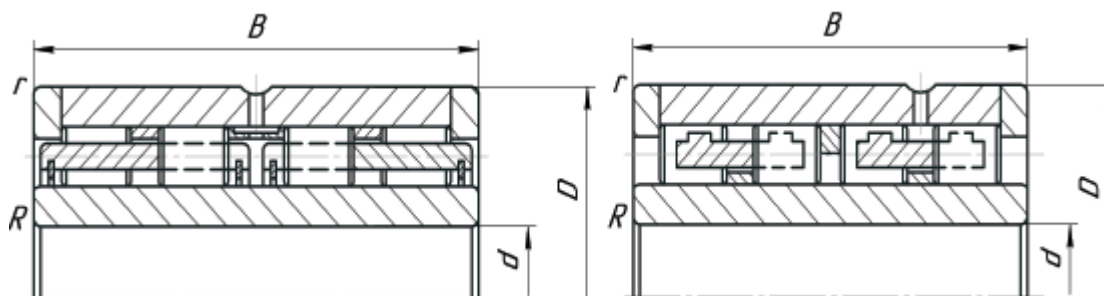
Bearing Type	Dimensions, mm			Bearing Capacity		N_{limit} , (min^{-1})	Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)		R_{min} , mm	r_{min} , mm	
66-462836ХЛМУ	180	406.42	224	2521	4948	1950	3	1.1	170

Triple-row cylindrical roller bearings with short rollers, inner ring with plain bore and flangeless outer ring



Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
5362980KM	400	540	190	2775	8174	3.7	3.7	130

Cylindrical roller bearings with short rollers and flangeless outer/inner rings with flat bearing collars

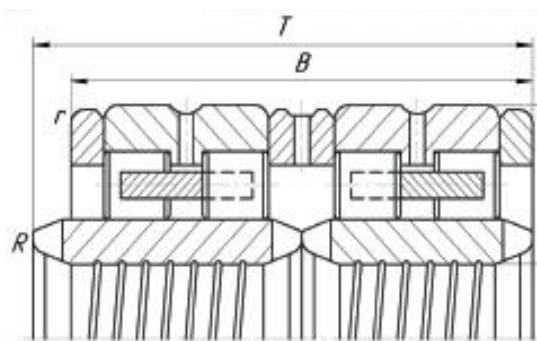


Drawing 1

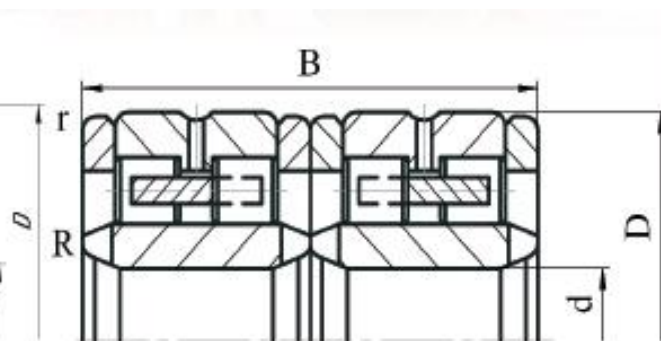
Drawing 2

Bearing Type	Dimensions, mm			Bearing Capacity		N _{limit} , (min ⁻¹)	Bevel Radius		Weight, kg	Drawing No.
	d	D	B	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
36-6442144XM	220	340	218	1746	4151	290	3	1.3	78.7	1
20-6462164M	320	480	290	3638	9127		3.7	1.1	195	2

Cylindrical roller bearings with short rollers



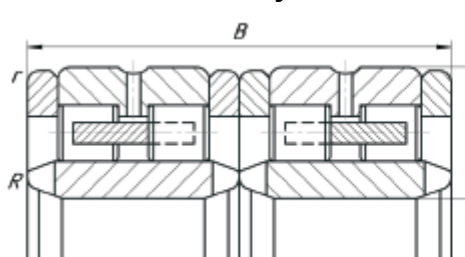
Drawing 1



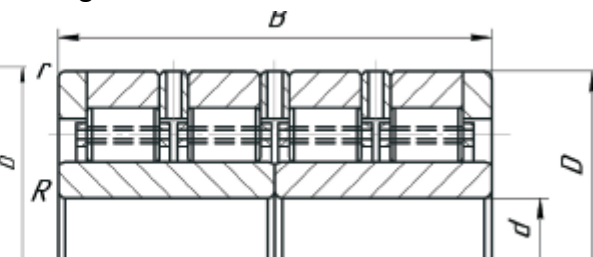
Drawing 2

Bearing Type	Dimensions, mm				Bearing Capacity		Bevel Radius		Weight, kg	Drawing No.
	d	D	B	T	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm		
742782M	410	560	400	420	5129	14689	11x20°	2	296	1
742788M	440	620	450	470	6180	17617	12x20°	2	440	1
7429 / 571	571.1	812.97	594		11590	35347	15x20°	6	1036.3	2
20-4429/630XЛМ	630	850	550		7000	23100	6	6	882.8	2
20-4429/710XЛМ	710	950	550		9400	29100	6	6	1115	2

Cylindrical roller bearings with short rollers



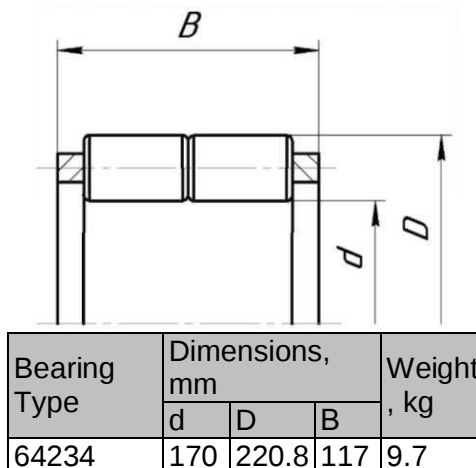
Drawing 1



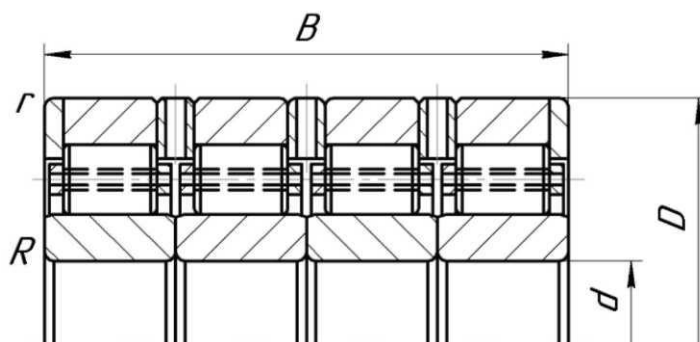
Drawing 2

Bearing Type	Dimensions, mm			Bearing Capacity		N _{limit} , (min ⁻¹)	Bevel Radius		Weight, kg	Drawing No.
	d	D	B	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
36-262744XMY2	220	340	218	1847	4012	1100	10x20°	3	75	1
36-442860XM	300	500	360	4604	10178	380	4.7	4.7	304	2
36-442860XM1	300	500	360	4604	10178	380	6	6	304	2
36-262768XMY2	340	480	290	3230	8561		15x20°	3	172	1
4427/500X	500	720	530	9569	28610		6	6	744	2
4427/710X	710	1030	775	17200	52300		7.5	7.5	2251	2
20-4427/750XK	750	1090	775	19758	63006		20x20°	7.5	2568	2
20-4428/750X	750	1090	750	19695	57475		25x20°	7.5	2445	2
4427/850X	850	1220	900	26530	88190		7.5	7.5	3661	2
40-4427/850X	850	1220	900	26530	88190		7.5	7.5	3661	2
4427/950X	950	1360	975	30340	104580		7.5	7.5	4882	2

Roller bearings w/o outer/inner rings

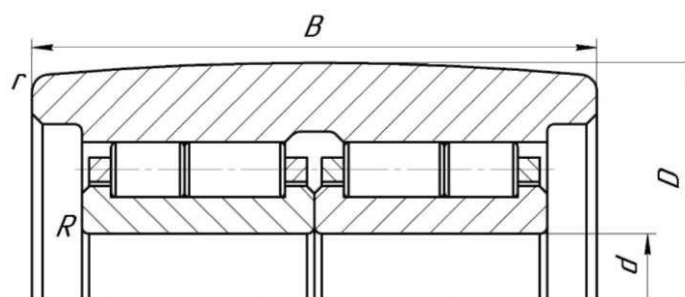


Four-row cylindrical roller bearings with short rollers



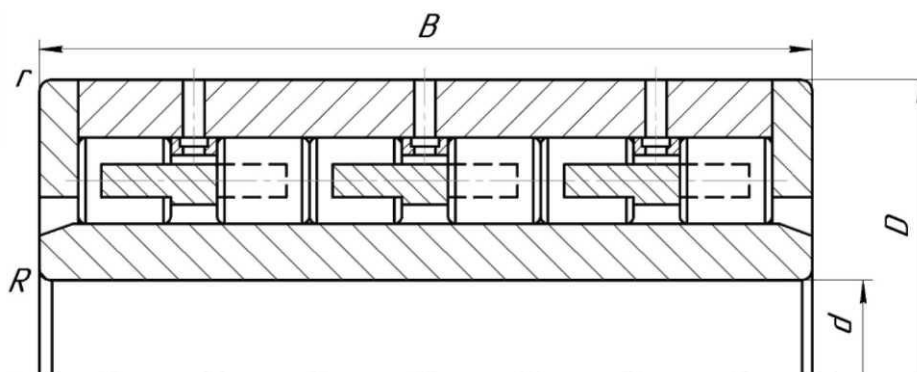
Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
20-4429 / 900X	900	1280	780	23797	74759	2.3	5	3456
BC4-8062 / HA1VU001	1040	1440	1000	29690	90529	27	7.5	5308

Four-row cylindrical roller bearings with short rollers and wide flangeless outer ring with solid metal retainer



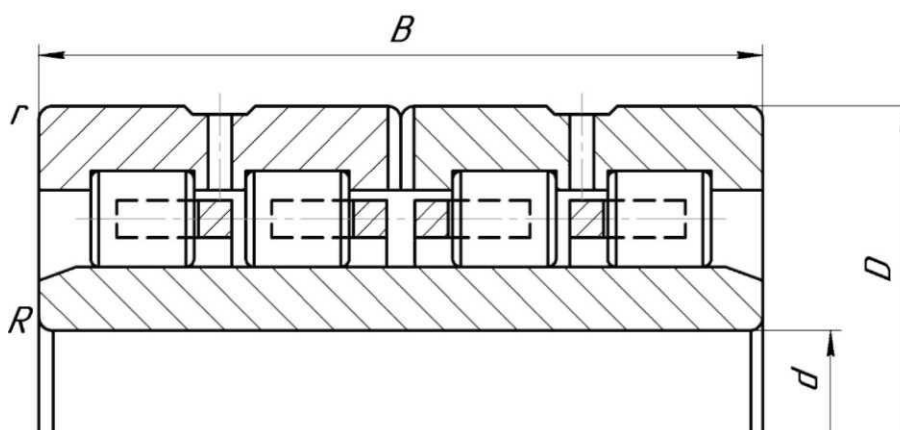
Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Ring		Weight, kg
	d	D	B	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
212792M	460	800	500	6340	17209	6	9.5	1111

Six-row cylindrical roller bearings with short rollers



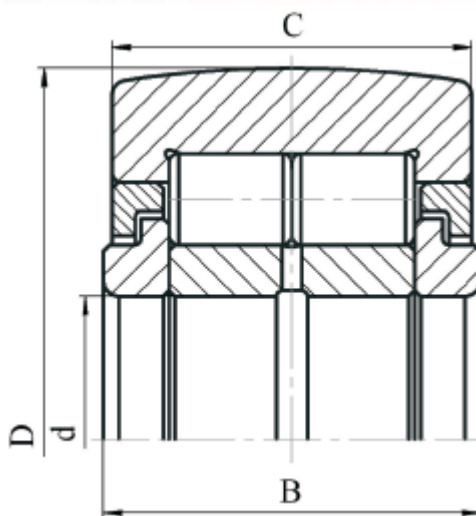
Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
6442176K	380	560	325	3414	9270	5	2	317
6442176K1	380	560	325	3414	9270	5	2	317
36-6442176K	380	560	325	3414	9270	5	2	317
36-6442176K1	380	560	325	3414	9270	5	2	317

Four-row cylindrical roller bearings with short rollers



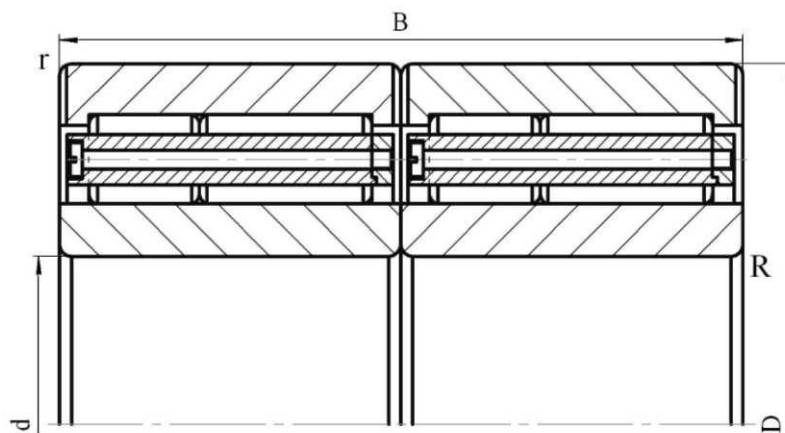
International Code	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
20-90914N4U	240	360	290	3300	6550	4	2	104
20-90952N4U	550	800	560	10569	28248	6.3	6.3	955

Double-row support rollers with integrated flange without retainer



Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
962814K7XC17	70	190	60	200	210	1	3	10.7
962836K7XC17	180	385	116	1000	1400	1	3	77.1

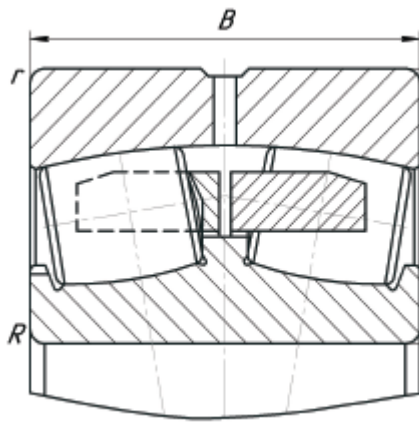
Four-row cylindrical roller bearings with short rollers



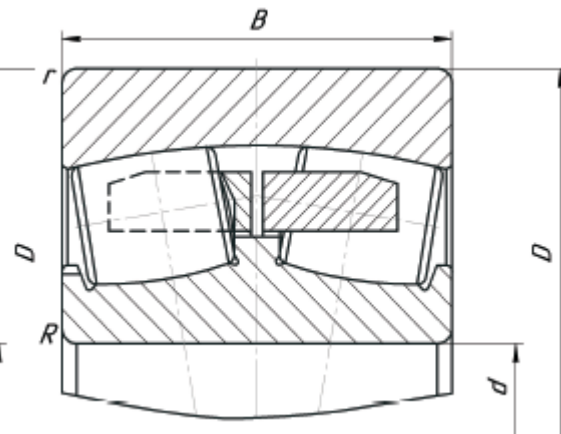
Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
NU6044M1C3	220	340	218	2080	4500	3	3	75.8
NU6052M1C3	260	400	250	2700	6100	4	4	122.4

DOUBLE –ROW SPHERICAL ROLLER BEARINGS

Double-row Spherical Roller Bearings



Drawing 1



Drawing 2

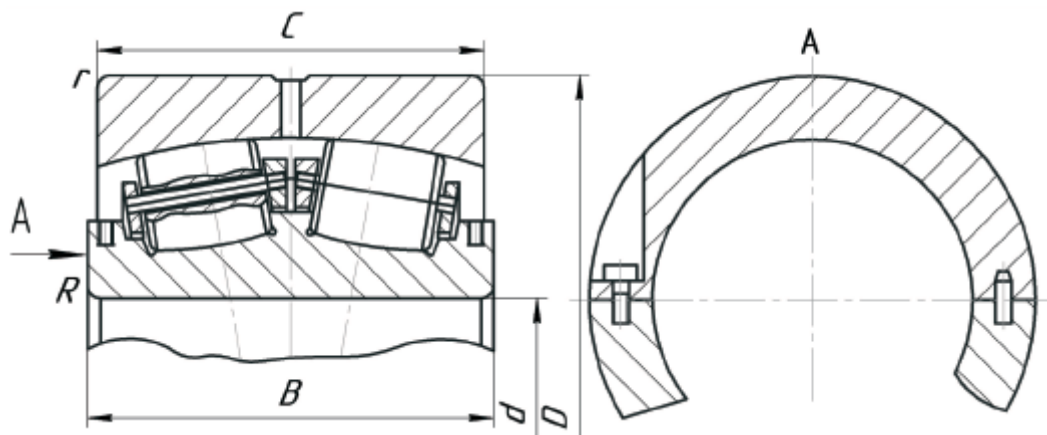
Bearing Type	International Code	Dimensions, mm			Bearing Capacity		N_{limit} (min^{-1})	Bevel Radius		Weight, kg	Drawing No.
		d	D	B	C (kN)	Co (kN)		R_{min} , mm	r_{min} , mm		
3508	22208M	40	80	23	57	33.3	6200	1.1	1.1	0.58	2
3508H	22208M	40	80	23	57	33.3	6200	1.1	1.1	0.58	2
30-3508H	22208M	40	80	23	57	33.3	6200	1.1	1.1	0.58	2
3608H	22308MW33	40	90	33	95	64.9	4800	1.5	1.5	1.03	1
30-3608H	22308MW33	40	90	33	95	64.9	4800	1.5	1.5	1.03	1
3509	22209M	45	85	23	64	35	5800	1.1	1.1	0.6	2
3509H	22209M	45	85	23	64	35	5800	1.1	1.1	0.6	2
30-3509H	22209M	45	85	23	64	35	5800	1.1	1.1	0.6	2
3609	22309MW33	45	100	36	114	74.8	4600	1.5	1.5	1.4	1
3609H	22309MW33	45	100	36	114	74.8	4600	1.5	1.5	1.4	1
30-3609H	22309MW33	45	100	36	114	74.8	4600	1.5	1.5	1.4	1
3510H	22310MW33	50	90	23	84.5	100				0.579	2
30-3510H	22310MW33	50	90	23	84.5	100				0.579	2
3610H	22310MW33	50	110	40	150	101	4300	2	2	1.9	1
30-3610H	22310MW33	50	110	40	150	101	4300	2	2	1.9	1
53610H		50	110	40	176	200					2
3511H	22211MW33	55	100	25	99.5	118	5300	1.5	1.5	0.88	1
30-3511H	22211MW33	55	100	25	99.5	118	5300	1.5	1.5	0.88	1
3611H	22311MW33	55	120	43	170	118	4000	2	2	2.27	1
3512H	22212MW33	60	110	28	153	180	5000	1.5	1.5	1.2	1
30-3512H	22212MW33	60	110	28	153	180	5000	1.5	1.5	1.2	1
3612	22312M	60	130	46	196	128	3600	2.1	2.1	3.1	2
3612H	22312M	60	130	46	196	128	3600	2.1	2.1	3.1	2
30-3612H	22312M	60	130	46	196	128	3600	2.1	2.1	3.1	2
3513H	22213MW33	65	120	31	150	200	4500	1.5	1.5	1.6	1
3613H	22313MW33	65	140	48	220	142	3400	2.1	2.1	3.63	1
30-3613H	22313MW33	65	140	48	220	142	3400	2.1	2.1	3.63	1
3514H	22214MW33	70	125	31	132	3.8	4500	1.5	1.5	1.8	1

Bearing Type	International Code	Dimensions, mm			Bearing Capacity		N _{limit} (min ¹)	Bevel Radius		Weight, kg	Drawing No.
		d	D	B	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
30-3514H	22214MW33	70	125	31	132	3.8	4500	1.5	1.5	1.8	1
3614H	22314MW33	70	150	51	270	181	3200	2.1	2.1	4.28	1
30-3614H	22314MW33	70	150	51	270	181	3200	2)	2.1	4.28	1
53614H	22314MW33	70	150	51	311	300					2
3515H		75	130	31	155	208				1.65	2
3615H	22315MW33	75	160	55	300	207	3000	2.1	2.1	5.27	1
30-3615H	22315MW33	75	160	55	300	207	3000	2.1	2.1	5.27	1
3516H	22216MW33	80	140	33	160	118	4000	2	2	2.17	1
30-3516H	22216MW33	80	140	33	160	118	4000	2	2	2.17	1
3616H	22316MW33	80	170	58	325	227	2800	2.1	2.1	6.2	1
30-3616H	22316MW33	80	170	58	325	227	2800	2.1	2.1	6.2	1
3517H	22217MW33	85	150	36	183	130	3600	2	2	2.7	1
30-3517H	22217MW33	85	150	36	183	130	3600	2	2	2.7	1
3517H1	22217MW33	85	150	36	183	130	3600	2	2	2.7	1
3617H	22317MW33	85	180	60	365	270	2600	3	3	7.65	1
30-3617H	22317MW33	85	180	60	365	270	2600	3	3	7.65	1
3518H	22218MW33	90	160	40	216	159	3400	2	2	3.48	1
30-3518H	22218MW33	90	160	40	216	159	3400	2	2	3.48	1
53518H		90	160	40	253	340				3.49	2
3618H	22318MW33	90	190	64	400	300	2600	3	3	9.3	1
30-3618H	22318MW33	90	190	64	400	300	2600	3	3	9.3	1
53618H		90	190	64	510	550				8.65	2
3519H	22219MW33	95	170	43	245	170	3200	2.1	2.1	4.31	1
30-3519H	22219MW33	95	170	43	245	170	3200	2.1	2.1	4.31	1
3619H	22319MW33	95	200	67						10.2	1
30-3619H	22319MW33	95	200	67						10.2	1
3520	22220MW33	100	180	46	275	212	3000	2.1	2.1	5	1
3520H	22220MW33	100	180	46	275	212	3000	2.1	2.1	5	1
30-3520H	22220MW33	100	180	46	275	212	3000	2.1	2.1	5	1
53520H		100	180	46	311	415				5.15	2
3003220H	23220	100	180	60.3	385	615	1900	2.1	2.1	7	1
3620H	22320MW33	100	215	73	520	410	2200	3	3	12.8	1
30-3620H	22320MW33	100	215	73	520	410	2200	3	3	12.8	1
53620H	22320MW33	100	215	73	610	800				13	1
3522H	22222MW33	110	200	53	355	276	2800	2.1	2.1	7.4	1
6-3522H	22222MW33	110	200	53	355	276	2800	2.1	2.1	7.4	1
3003222H	23222	110	200	69.8	529	767	1600	2.1	2.1	9.9	1
3622H	22322	110	240	80	740	880	1500	3	3	17.8	1
30-3622H	22322	110	240	80	740	880	1500	3	3	17.8	1
3003124	23024	120	180	46	280	473	2000	2	2	4.5	1
3524H	22224MW33	120	215	58	415	325	2600	2.1	2.1	9.12	1
30-3524H	22224MW33	120	215	58	415	325	2600	2.1	2.1	9.12	1
53524H		120	215	58	466	670				8.97	2
3624	22324	120	260	86	860	1100	1300	3	3	22.8	2
3624H	22324	120	260	86	860	1100	1300	3	3	22.8	1
30-3624H	22324	120	260	86	860	1100	1300	3	3	22.8	1
3624H1	22324	120	260	86	860	1100	1300	3	3	22.8	1
3003126	23026	130	200	52	384	627	1900	2	2	5.7	1
3526H	22226MW33	130	230	64	500	415	2400	3	3	11.1	1
30-3526H	22226MW33	130	230	64	500	415	2400	3	3	11.1	1
3626	22326	130	280	93	982	1217	1000	4	4	28.5	1
6-3626	22326	130	280	93	982	1217	1000	4	4	28.5	1
3626H	22326	130	280	93	982	1217	1000	4	4	28.5	1
30-3626H	22326	130	280	93	982	1217	1000	4	4	28.5	1
3003128	23028	140	210	53	385	660	1800	2	2	6.8	1
3003728H	23128	140	225	68	571	941	1600	2.1	2.1	11.5	1
3528	22228	140	250	68	660	924	1600	3	3	14.2	1
3528H	22228	140	250	68	660	924	1600	3	3	14.2	1
30-3528H	22228	140	250	68	660	924	1600	3	3	14.2	1
53528H	22228	140	250	68	610	900				14	2

Bearing Type	International Code	Dimensions, mm			Bearing Capacity		N _{limit} , (min ⁻¹)	Bevel Radius		Weight, kg	Drawing No.
		d	D	B	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
3628	22328	140	300	102	1100	1444	1200			35.3	1
3628A	22328	140	300	102	1100	1444	1200			35.3	1
3628H	22328	140	300	102	1100	1444	1200			35.3	1
30-3628H	22328	140	300	102	1100	1444	1200			35.3	1
6-3628H	22328	140	300	102	1100	1444	1200			35.3	1
3003130		150	225	56	437	750				8.23	2
3003730		150	250	80	720	1200				16.3	2
3530	22230	150	270	73	730	1040	1500	3	3	18	1
3530H	22230	150	270	73	730	1040	1500	3	3	18	1
30-3530H	22230	150	270	73	730	1040	1500	3	3	18	1
53530H		150	270	73	736	1080				18	2
3630H	22330	150	320	108	1208	1670	1100	4	4	42.9	1
30-3630H	22330	150	320	108	1208	1670	1100	4	4	42.9	1
3003132H		160	240	60	506	880				10.3	1
3003332H		160	240	136	1600	2400				61	2
3003732H	23132MW33	160	270	86	695	725	1300	2.1	2.1	20	1
3532H	22232	160	290	80	868	1243	1400	3	3	22.7	1
30-3532H	22232	160	290	80	868	1243	1400	3	3	22.7	1
3632H	22332	160	340	114	1380	1790				51.3	2
30-3632H	22332	160	340	114	1380	1790				51.3	2
3934H		170	290	88	800	1400				25.7	2
3534H	22234	170	310	86	974	1420	1300	4	4	27.3	1
30-3534H	22234	170	310	86	974	1420	1300	4	4	27.3	1
3634H	22334	170	360	120	1527	2000	950	4	4	59.3	1
30-3634H	22334	170	360	120	1527	2000	950	4	4	59.3	1
3003136		180	280	74	725	1250				17.6	2
3536	22236	180	320	86	1054	1577	1200	4	4	30.4	1
3536H	22236	180	320	86	1054	1577	1200	4	4	30.4	1
30-3536H	22236	180	320	86	1054	1577	1200	4	4	30.4	1
3636	22336	180	380	126	1740	2360				70.8	2
3636H	22336	180	380	126	1740	2360				70.8	2
30-3636H	22336	180	380	126	1740	2360				70.8	2
3003838		190	240	37	250	570				470	2
3738H		190	280	67	608	1164	950	3	3	15	1
3538H	22238	190	340	92	1089	1669	1200	4	4	37	1
30-3538H	22238	190	340	92	1089	1669	1200	4	4	37	1
3638H	22338	190	400	132	1816	2675	850	5	5	81	1
30-3638H	22338	190	400	132	1816	2675	850	5	5	81	1
3003140		200	310	82	880	1530				23	
3540H	22240	200	360	98	1270	2016	1100	4	4	44.4	1
30-3540H	22240	200	360	98	1270	2016	1100	4	4	44.4	1
3640A	22340	200	420	138	1954	2884	850	5	5	93.5	1
3640H	22340	200	420	138	1954	2884	850	5	5	93.5	1
30-3640H	22340	200	420	138	1954	2884	850	5	5	93.5	1
3844H		220	320	76	800	1400				20.7	1
3003144	23044	220	340	90	930	850	1000	3	co	30.6	2
3003144H	23044	220	340	90	930	850	1000	3	3	30.6	2
3744H		220	365	120	1200	2000				53.2	2
3003744	23144	220	370	120	1580	2750	700	4	4	53.2	2
3003744H	23144	220	370	120	1580	2750	700	4	4	53.2	2
3544H	22244	220	400	108	1370	1230				62.5	2
3644H	22344	220	460	145	2200	3252	750	5	5	128	1
30-3644H	22344	220	460	145	2200	3252	750	5	5	128	1
3644H1	22344	220	460	145	2200	3252	750	5	5	128	1
3746H		230	380	120	1400	2200				57.2	2
3948H		239.85	395	124	1700	2800				50	2
3548H	22248	240	440	120	1843	2968	800	4	4	87	1
3003148	23048	240	360	92	980	1080	900	3	3	33.7	2
3003748		240	400	128	1630	3080				65.1	2
3850H		250	365	87	950	1800				31.3	2

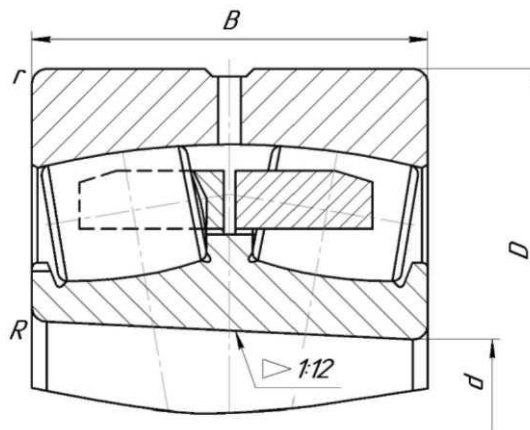
Bearing Type	International Code	Dimensions, mm			Bearing Capacity		N _{limit} , (min ⁻¹)	Bevel Radius		Weight, kg	Drawing No.
		d	D	B	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
3552H	22252	260	480	130	2055	3311	750	5	5	103	1
3003752	23152	260	440	144	1860	1960	770	4	4	92.4	2
30-3003752	23152	260	440	144	1860	1960	770	4	4	92.4	2
3652H	22352	260	540	165	2900	4514	630	6	6	188.5	1
3003152	23052	260	400	104	1400	2550	820	4	4	48.6	2
3003152H	23052	260	400	104	1400	2550	820	4	4	48.6	2
3756H		280	410	98	1203	2431	700	4.7	4.7	46.9	1
3556	22256	280	500	130	2139	3519	700	5	5	123	1
3556H	22256	280	500	130	2139	3519	700	5	5	123	1
3003156	23056	280	420	106	1290	1440	750	4	4	54.5	2
3003156H	23056	280	420	106	1290	1440	750	4	4	54.5	2
3656	22356	280	580	175	2717	4853	560	6	6	235	2
3656H	22356	280	580	175	2717	4853	560	6	6	235	2
3003756	23144	280	460	146	2000	2150	730	5	5	100	2
3760H		300	440	105	1466	2809	630	4	4	58.2	1
3003160	23060	300	460	118	1866	3497	630	4	4	73.2	2
3003160H	23060	300	460	118	1866	3497	630	4	4	73.2	2
3003164	23064	320	480	121	1798	3482		4	4	79.4	2
3003164H	23064	320	480	121	1798	3482		4	4	79.4	2
3564	22264	320	580	150	3160	4900		5	5	180	2
3564H	22264	320	580	150	3160	4900		5	5	180	2
3003264	23264	320	580	208	3011	6317		5	5	259	1
3003264XH	23264	320	580	208	3011	6317		5	5	259	1
3768H		340	500	120	1466	2809				82.3	2
3003168	23068	340	520	133	2000	2090	630	5	5	109	2
3003172	23072M	360	540	134	2080	2290		5	5	112.9	2
4003772		360	600	243	3700	4400	560	5	5	270	2
3572H	22272MW33	360	650	170	3000	2850		6	6	256	1
3003776		380	620	194	3915	7656		5	5	240	2
3003776H		380	620	194	3915	7656		5	5	240	2
3003776H1		380	620	194	3915	7656		5	5	240	2
3880H		400	590	142	1900	4200				140	2
3003180	23080MW33	400	600	148	2550	2690		5	5	148.9	1
3003180H	23080MW33	400	600	148	2550	2690		5	5	148.9	1
3003180Y	2380MW33	400	600	148	2550	2690		5	5	148.9	1
3980H		400	670	216	3800	7400				343.9	1
3580H	22280MW33	400	720	185	3650	3500		8	6	338	1
3680H	22380MW33	400	820	243	5600	5420		7.5	7.5	690	1
3680H1	22380MW33	400	820	243	5600	5420		7.5	7.5	690	1
3680X	22380MW33	400	820	243	5600	5420		7.5	7.5	690	1
3003780H	23180MW33	400	650	200	4080	7650				271	2
3003188	23088MW33	440	650	157	2850	3130		6	6	187	1
3003188H	23088MW33	440	650	157	2850	3130		6	6	187	1
3003192	23092	460	680	163	3650	7650		6	6	215.8	2
3003792	23192MW33	460	760	240	5000	4800		7.5	7.5	470	1
3003792H	23192MW33	460	760	240	5000	4800		7.5	7.5	470	1
3003792H1	23192MW33	460	760	240	5000	4800		7.5	7.5	470	1
3003196	23096	480	700	165	3341	7099		6	6	230	2
3003296	23296	480	870	310	8000	15000				851	2
3003296X	23296	480	870	310	8000	15000				851	2
30031/530	230/530	530	780	185	3293	8173		6	6	315	2
30031/600XH	230/600	600	870	200	4107	10751		6	6	432	1
30-30031/600X	230/600	600	870	200	4107	10751		6	6	432	1
30-30031/600XH	230/600	600	870	200	4107	10751		6	6	432	1
20-30031/600XHP	230/600	600	870	200	4107	10751		6	6	432	1
40-30032/850X		850	1500	515	20700	42100		15	15	3878	1
538/1320XK		1320	1950	640	28340	69542		12	15	5950	1
40-538/1320X		1320	1950	500	28340	69542		12	15	5241	1

Double-row spherical roller split bearings



Bearing Type	Dimensions, mm				Bearing Capacity		Bevel Type		Weight, kg
	d	D	B	C	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
538/1320XK	1320	1950	640	540	28340	69542	12	15	5950
40-538/1320XK	1320	1950	640	540	28340	69542	12	15	5241

Double-row spherical roller bearings with taper bore inner ring



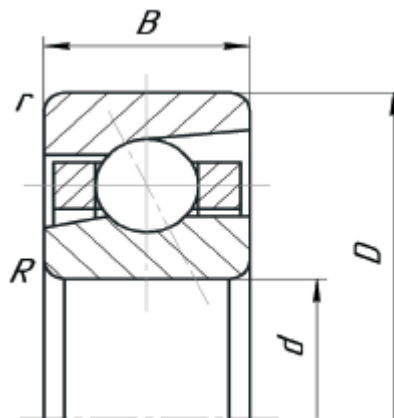
Bearing Type	Dimensions, mm			Bearing Capacity		N _{limit} , (min ⁻¹)	Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm	
113508H	40	80	18	57	33				0.52
113608H	40	90	33	115	132				1.03

Bearing Type	Dimensions, mm			Bearing Capacity		N_{limit} , (min^{-1})	Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)		R_{min} , mm	r_{min} , mm	
113509H	45	85	23	64	35				0.6
113609H	45	100	25	114	75				1.35
113510H	50	90	23						0.6
113610H	50	110	40	176	200	4300	2	2	
113511H	55	100	25						0.82
113611H	55	120	43	199	232	4000	2	2	2.4
113512H	60	110	28	153	180	5000	1.5	1.5	1.2
113612H	60	130	46	196	128				3.1
113513H	65	120	31	150	200	4500	1.5	1.5	1.59
113613H	65	140	48	220	142				3.7
113514H	70	125	31	132	186	1500	1.5	1.5	1.8
113614H	70	150	51	311	380	3200	2.1	2.1	4.35
113515H	75	130	31	158	208	4300	1.5	1.5	1.65
113615H	75	160	55	345	430	3000	2.1	2.1	5.4
113516H	80	140	33	160	118	4000	2	2	2.2
113616H	80	170	58	374	455	2800	2.1	2.1	6.6
113517H	85	150	36	210	270	3600	2	2	2.8
113617H	85	180	60	420	520	2600	3	3	7.4
113518H	90	160	40	253	340	3400	2	2	3.48
113618H	90	190	64	477	610	2400	3	3	9.3
113519H	95	170	43	245	170	3200	2.1	2.1	4
113619H	95	200	67						9.8
113520H	100	180	46	311	415	3000	2.1	2.1	5.2
113620H	100	215	73	610	800	2200	3	3	13
113522H	110	200	53	408	560	2800	2.1	2.1	7.38
113622H	110	240	80	740	880	1500	3	3	17.8
113524H	120	215	58	466	670	2600	2.1	2.1	9.3
113624H	120	260	86	860	110	1300	3	3	22.8
113526H	130	230	64	569	789	2400	3	3	10.7
113626H	130	280	93	982	1217	1000	4	4	28.5
113528H	140	250	68	660	924	1600	3	3	14.1
113628H	140	300	102	1100	1444	1200	4	4	35.3
113530H	150	270	73	730	1040	1500	3	3	18
113630H	150	320	108	1208	1670	1100	4	4	42.9
113532H	160	290	80	868	1243	1400	3	3	22.7
113632H	160	340	114	1380	1960	1300	4	4	51.9
113534H	170	310	86	974	1420	1300	4	4	27.3
113634H	170	360	120	1527	2000	950	4	4	59.3
113536H	180	320	86	1054	1577	1200	4	4	30.4
113636H	180	380	126	1730	2150	1200	4	4	71.4
113538H	190	340	92	1089	1669	1200	4	4	37.4
113638H	190	400	132	1816	2675	850	5	5	81
113540H	200	360	98	1270	2016	1100	4	4	45
113640H	200	420	138	1954	2884	850	5	5	93.5



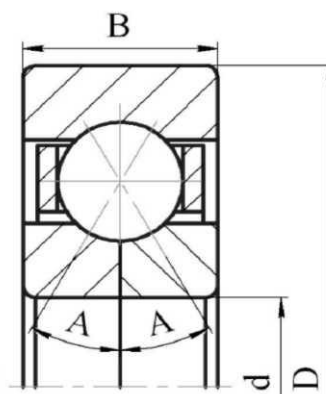
RADIAL BALL BEARINGS

Radial Ball Bearings



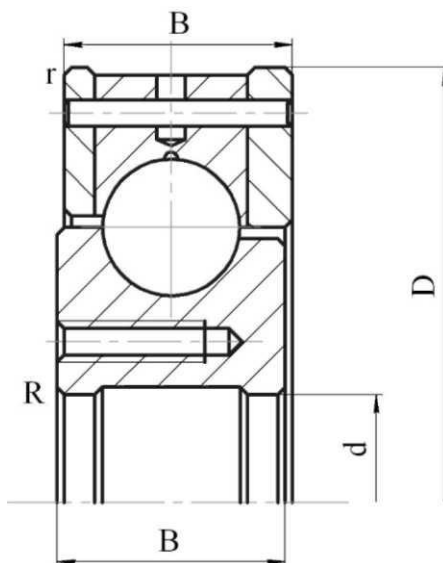
Bearing Type	International Code	Dimensions, mm			Bearing Capacity		$N_{limit}, (min^{-1})$	Bevel Radius		Weight, kg
		d	D	B	C (kN)	Co (kN)		R_{min}, mm	r_{min}, mm	
6-66144КЛ	7044B	220	340	56	262	442	1400	3	3	18.2
6-66156КЛ	7056B	280	420	65	238	365	900	4	4	33.5
461/750Л		750	920	78	532	1302		5	5	110.8

Single-row radial ball bearings with split inner ring



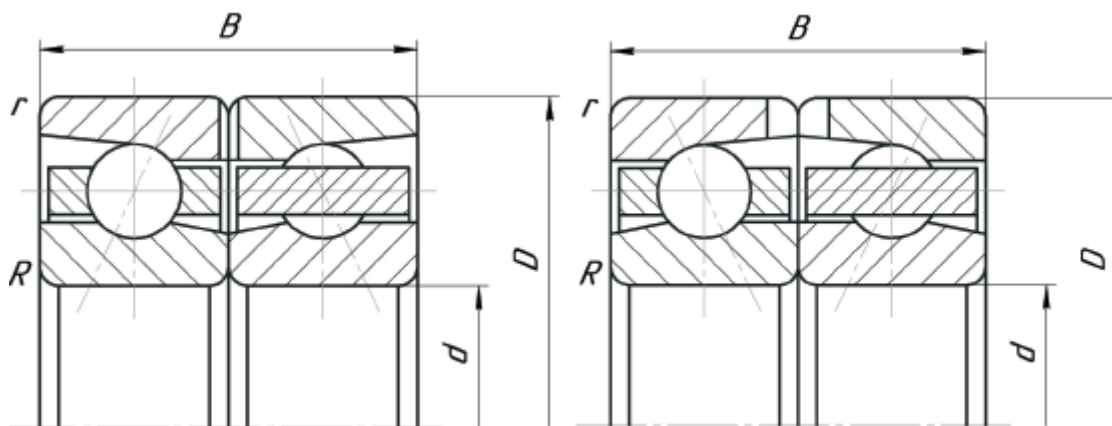
Bearing Type	International Code			Dimensions, mm	Bearing Capacity		$N_{limit}, (min^{-1})$		Bevel Radius
	d	D	B		C (kN)	Co (kN)	R_{min}, mm	r_{min}, mm	
И-828	340	480	65	36	299	488	3	3	40.9
176252Л	260	480	90	36°	700	1400	5	5	81.9
176252Л1	260	480	90	36°	700	1400	5	5	91.9

Radial Ball Bearings



Bearing Type	Dimensions, mm			Dimensions, mm		Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)	R _{min} , MM	r _{min} , MM	
2267/960	960	1170	67	137	508	1.5	1.3	168.5

Duplex radial ball bearings



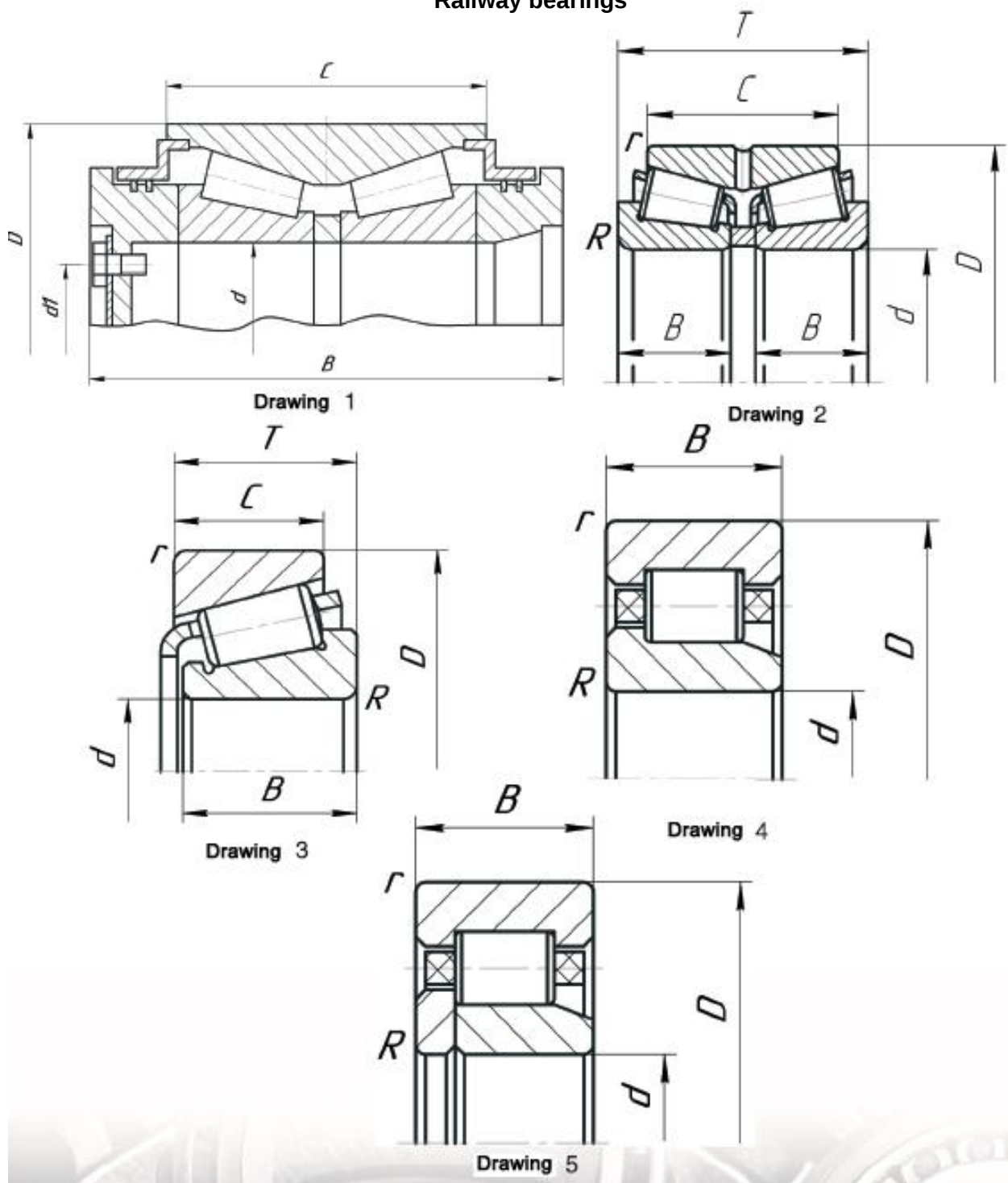
Drawing 1

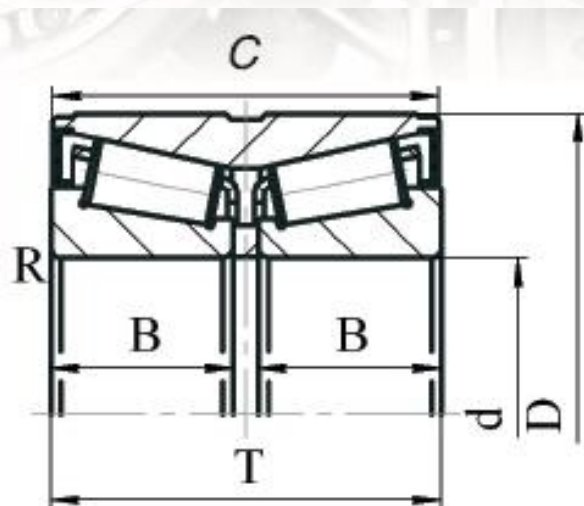
Drawing 2

Bearing Type	International Code	Dimensions, mm			Bearing Capacity		N _{limit} , (min ⁻¹)	Bevel Radius		Weight, kg	Drawing No.
		d	D	B	C (kN)	Co (kN)		R _{min} , MM	r _{min} , MM		
6-266144КЛ	7044B/DB	220	340	112	426	718	1100	3	3	36.4	1
6-366156КЛ	7056B/DB	280	420	130	507	1000	1200	4	4	67	2

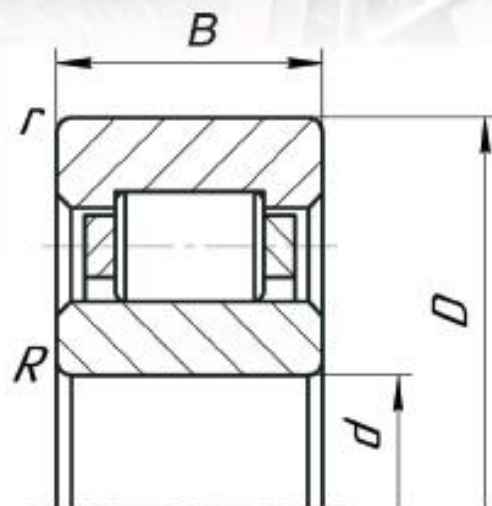
RAILWAY BEARINGS

Railway bearings

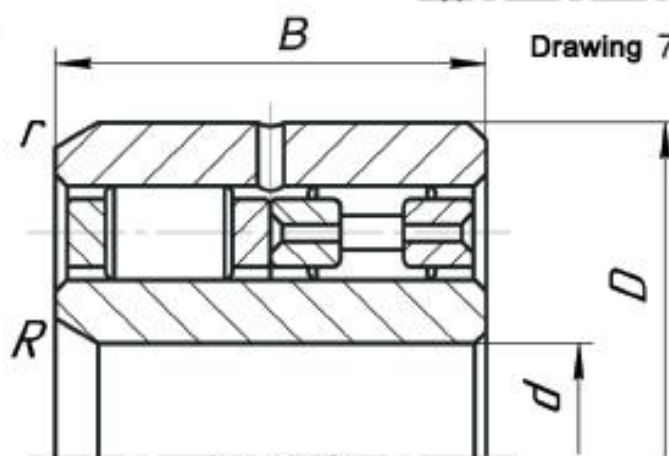




Drawing 6



Drawing 7

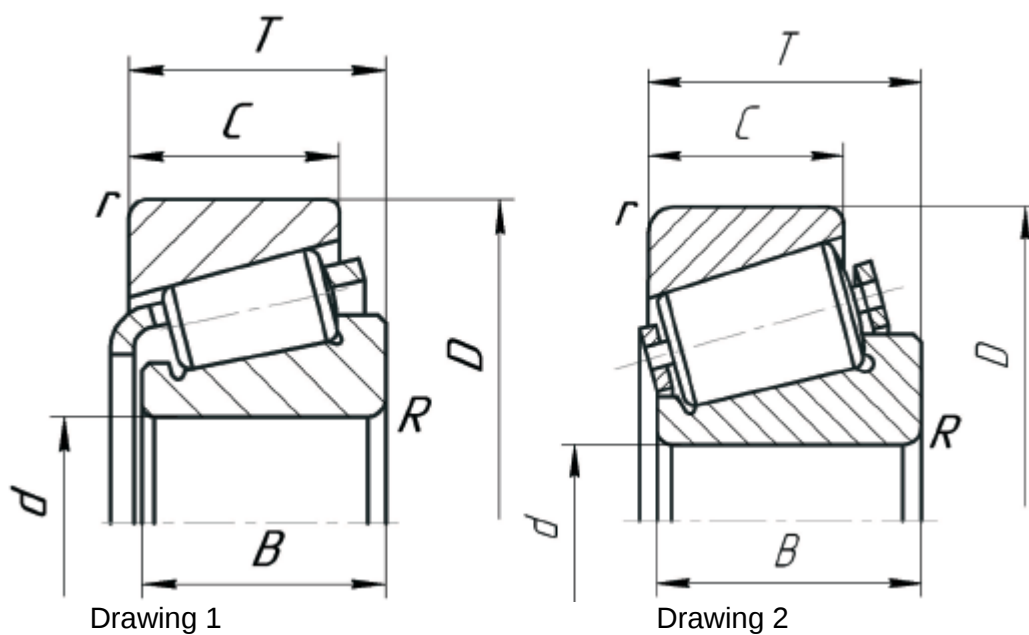


Drawing 8

Bearing Type	International Code	Dimensions, mm					Bearing Capacity		N_{limit} , (min ⁻¹)	Bevel Radius, R _{min} , mm	Weight, kg	Drawing No.
		d	D	T	B	C	C (kN)	Co (kN)				
782726K1MY		130	230		110		900	1563	2600	3.7	19.7	8
20-782726KM		130	230		110		900	1563	2600	3.7	19.7	8
БТКК-897826X		130	230		241.4	150	830	1550	1600		36.9	1
897830XMY		150	250		272.4	175	999	2025	1300		45.3	1
897830X1MY		150	250		272.4	175	999	2025	1300		45.9	1
	TBU120XM	120	195		180	131	550	970	1900		19.1	1
	C-49988	139.949	260		71.438	144	915	1790	1450	1.5	33.7	3
7536A	32236	180	320	91	86	71	1024	1680	1300	5	30.27	3
5-2007144	32044	220	340	76	76	57	825	1468	1250	3	24	3
6-2007144П1У	32044	220	340	76	76	57	778.8	1359.8	1250	3	25.32	3
6-2007144ПМ	32044	220	340	76	76	57	778.8	1359.8	1250	3	25.32	3
2007140	32040	200	310	70	66	56	664	1137	1300	2.5	18.5	3
5-2007140	32040	200	310	70	66	56	664	1137	1300	2.5	18.5	3
2007140M	32040	200	310	70	66	56	664	1137	1300	2.5	18.5	3
6-2007140M	32040	200	310	70	66	56	664	1137	1300	2.5	18.5	3
30-42726E2M		130	250		80		900	1563	1800	3	17.2	4
30-232726E2M		130	250		80		900	1563	1800	3	17.2	5
30-42726П4М		130	250		80		900	1563	1800	3	18.9	4
30-232726П4М		130	250		80		900	1563	1800	3	18.9	5
30-3032948ПМ		240	320		60		520	1056		2.5	13.9	7
97826KM		129.96	250	161.2	75.5	160	1080	1965	1480	3	34.9	6

TAPERED ROLLER BEARINGS

Single-row radial roller bearings with taper rollers



Bearing type	International Code	Dimensions, mm					Bearing Capacity		N _{limit} (min ⁻¹)	Bevel Radius		Weight, kg	Drwg No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
	LM11949 / LM11910	19.05	45.237	15.494	16.637	12.065	25.6	25.2	11000	1.2	1.2	0.126	1
7804Y		19.058	45.25	15.494	16.637	12.065	26	25.9	11000	0.7	1.1	0.129	1
6-7804Y		19,058	45,25	15,494	16,637	12,065	26	25,9	11000	0,7	1,1	0,129	1
7204A	30204	20	47	15,25	14	12	25,4	25,2	10000	1	1	0,121	1
6-7204A	30204	20	47	15,25	14	12	25,4	25,2	10000	1	1	0,121	1
7304A	30304	20	52	16,25	15	13	27,9	24,9	8000	1,5	1,5	0,165	1
7604	32304	20	52	22,25	21	18,5	35,8	34,3	9400	1,5	1,5	0,236	1
6-7604	32304	20	52	22,25	21	18,5	35,8	34,3	9400	1,5	1,5	0,236	1
6-7205	30205	25	52	16,25	15	13	31,5	33,8	9000	1	1	0,156	1
7205A	30205	25	52	16,25	15	13	31,5	33,8	9000	1	1	0,156	1
6-7205A	30205	25	52	16,25	15	13	31,5	33,8	9000	1	1	0,156	1
7305A	30305	25	62	18,25	17	15	42,7	40,1	7900	1,5	1,5	0,272	1
6-7305A	30305	25	62	18,25	17	15	42,7	40,1	7900	1,5	1,5	0,272	1
6-7305AШ	30305	25	62	18,25	17	15	42,7	40,1	7900	1,5	1,5	0,272	1
6B-7305AШ2	30305	25	62	18,25	17	15	42,7	40,1	7900	1,5	1,5	0,272	1
7605	32305	25	62	25,25	24	20	64,9	69,2	6000	1,5	1,5	0,375	1
6-7605	32305	25	62	25,25	24	20	64,9	69,2	6000	1,5	1,5	0,375	1
7605A	32305	25	62	25,25	24	20	64,9	69,2	6000	1,5	1,5	0,375	1
6-7605A	32305	25	62	25,25	24	20	64,9	69,2	6000	1,5	1,5	0,375	1
	L44643 / L44610	25.4	50.292	14.224	14.732	10.668	23.8	26.5	9000	1.5	1.5	0.13	1
7805Y		26	57.15	17.462	17.462	14	37.8	42.8	8000	3.2	1.3	0.226	1
6-7805Y		26	57.15	17.462	17.462	14	37.8	42.8	8000	3.2	1.3	0.226	1
6-7805EYШ3		26	57.15	17.462	17.462	14	37.8	42.8	8000	3.2	1.3	0.226	1
	L44649 / L44610	26.988	50.292	14.224	14.732	10.668	24	27	9000	3.63	1.22	0.122	1
	J15585 / J1 5520	28	57.15	17.462	17.462	13.495	30.2	32.4	8000	3.2	1.3	0.209	1
7706	HR302/28	28	58	17.25	16	14	30.8	32.7	8000	3	1.1	0.205	1
6-7706	HR302/28	28	58	17.25	16	14	30.8	32.7	8000	3	1.1	0.205	1

7705Y		28	67	20.5	20.5	16	55	64	7000	0.8	1.5	0.376	1
6-7705Y		28	67	20.5	20.5	16	55	64	7000	0.8	1.5	0.376	1
6-7705EY		28	67	20.5	20.5	16	55	64	7000	0.8	1.5	0.376	1
6-7705YШ3		28	67	20.5	20.5	16	55	64	7000	0.8	1.5	0.376	1
6-7705EYШ3		28	67	20.5	20.5	16	55	64	7000	0.8	1.5	0.376	1

Bearing Type	International Code	Dimensions, mm					Bearing Capacity		N _{limit} , (min ⁻¹)	Bevel Radius		Weight, kg	Drwg No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
7006A	L45449/ L45410	29	50.292	14.224	14.732	10.668	28.5	36.9	7000	3.5	1.3	0.113	1
2007106	32006	30	55	17	17	13	28	35	6300	1	1	0.179	1
6-2007106	32006	30	55	17	17	13	28	35	6300	1	1	0.179	1
7206A	30206	30	62	17.25	16	14	37.6	39.6	7000	1	1	0.232	1
6-7206A	30206	30	62	17.25	16	14	37.6	39.6	7000	1	1	0.232	1
6-7506	32206	30	62	21.25	20	17	50	57	7500	1	1	0.295	1
7506A	32206	30	62	21.25	20	17	50	57	7500	1	1	0.295	1
6-7506A	32206	30	62	21.25	20	17	50	57	7500	1	1	0.295	1
27306Y	31306A	30	72	20.75	19	14	38.8	37.8	6500	1.5	1.5	0.378	1
7306A	30306	30	72	20.75	19	16	55.8	55.4	6800	1.5	1.5	0.41	1
7606A	32306	30	72	28.75	27	23	80.8	89.5	5300	1.5	1.5	0.559	1
7606AYШ	32306	30	72	28.75	27	23	80.8	89.5	5300	1.5	1.5	0.559	1
6Y-7606AYШ	32306	30	72	28.75	27	23	80.8	89.5	5300	1.5	1.5	0.559	1
27606AШ2		30	72	28.75	29	23	70.9	95.9	5300	1.5	1.5	0.625	1
	LM67048 / LM67010	31.75	59.131	15.875	16.764	11.811	31.2	36	7500	4.8	1.2	0.189	1
	15123 / 15245	31.75	62	18.161	19.05	14.288	46.8	53.9	7500	4.7	1.2	0.23	1
7707Y		33	62	16	16.5	12	37	42	7400	2.5	2	0.212	1
6-7707Y		33	62	16	16.5	12	37	42	7400	2.5	2	0.212	1
6-7707EY		33	62	16	16.5	12	37	42	7400	2.5	2	0.212	1
6-7707YE		33	62	16	16.5	12	37	42	7400	2.5	2	0.212	1
7907A1	LM48548/L M48510	34.925	65.088	18.034	18.288	13.97	47.7	57.3	5600	3.6	1.3	0.26	1
7807Y		34.938	73.03	26.987	26.975	22.225	72	86	6600	1.8	1.3	0.533	1
6-7807Y		34.938	73.03	26.987	26.975	22.225	72	86	6600	1.8	1.3	0.533	1
6-7807EY		34.938	73.03	26.987	26.975	22.225	72	86	6600	1.8	1.3	0.533	1

6-7807УШЗ		34.938	73.03	26.987	26.975	22.225	72	86	6600	1.8	1.3	0.533	1
6-7807ЕУШЗ		34.938	73.03	26.987	26.975	22.225	72	86	6600	1.8	1.3	0.533	1
	L68149 / L68111	35	59.974	15.875	16.764	11.938	30.6	39.6	7400	4.75	1.22	0.183	1
. 2007407A1K	JL68145/ JL68111	35	59.974	15.875	18.461	11.938	36.3	49.4	5000	4.75	1.17	0.186	1

Bearing Type	International Code	Dimensions, mm					Bearing Capacity		N _{limit} , (min ⁻¹)	Bevel Radius		Weight, kg	Drwg No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
2007107	32007	35	62	18	16.764	15	31	41	7700	4.75	1.1	0.226	1
6-2007107	32007	35	62	18	16.764	15	31	41	7700	4.75	1.1	0.226	1
7207A	30207	35	72	18.25	17	15	46	48	6400	1.9	1.5	0.328	1
6-7207A	30207	35	72	18.25	17	15	46	48	6400	1.9	1.5	0.328	1
6Y-7207AK	30207	35	72	18.25	17	15	46	48	6400	1.9	1.5	0.328	1
6Y-7207AKE	30207	35	72	18.25	17	15	46	48	6400	1.9	1.5	0.328	1
7507	32207	35	72	24.25	23	19	69	82.2	6400	1.5	1.5	0.449	1
5-7507	32207	35	72	24.25	23	19	69	82.2	6400	1.5	1.5	0.449	1
6-7507	32207	35	72	24.25	23	19	69	82.2	6400	1.5	1.5	0.449	1
7507A	32207	35	72	24.25	23	19	69	82.2	6400	1.5	1.5	0.449	1
6-7507A	32207	35	72	24.25	23	19	69	82.2	6400	1.5	1.5	0.449	1
6-7507K1	32207	35	72	24.25	23	19	69	82.2	6400	1.5	1.5	0.449	1
6-7507X1	32207	35	72	24.25	23	19	69	82.2	6400	1.5	1.5	0.449	1
27307	31307A	35	80	22.75	21	15	49.22	51.06	6000	2	1.8	0.521	1
1027307A	31307	35	80	22.75	21	15	65.5	72.8	5900	2	1.5	0.536	1
N-1027307A	31307	35	80	22.75	21	15	65.5	72.8	5900	2	1.5	0.536	1
Y-7307A	31307	35	80	22.75	21	18	74.9	77.5	5900	2	1.5	0.536	1
6Y-7307A	31307	35	80	22.75	21	18	74.9	77.5	5900	2	1.5	0.536	1
7607A	32307	35	80	32.75	31	25	105	120	4800	2	1.5	0.759	1
N-7607A	32307	35	80	32.75	31	25	105	120	4800	2	1.5	0.759	1
7607AYШ	32307	35	80	32.75	31	25	105	120	4800	2	1.5	0.759	1
697607AYШ	32307	35	80	32.75	31	25	105	120	4800	2	1.5	0.759	1
27607AШ2	32307B	35	80	32.75	31	25	96.4	126	4800	2	1.5	0.813	1
27908AKY		38.113	88.53	25.25	23	17	69.8	77.5	5400	1.8	1.8	0.747	1
6-2007108	32008	40	68	19	19	14.5	49	66	7000	1.1	1.1	0.278	1
2007108A	32008	40	68	19	19	14.5	49	66	7000	1.1	1.1	0.278	1
6-2007108A	32008	40	68	19	19	14.5	49	66	7000	1.1	1.1	0.278	1
6-2007108AE	32008	40	68	19	19	14.5	49	66	7000	1.1	1.1	0.278	1
7208A	30208	40	80	19.75	18	16	57.8	62.3	5700	1.5	1.5	0.431	1
6-7208A	30208	40	80	19.75	18	16	57.8	62.3	5700	1.5	1.5	0.431	1
27508A	32208	40	80	24.75	23	19	73.5	84.8	5800	1.5	1.5	0.553	1

7508	32208	40	80	24.75	23.5	20	62	70	5800	1.5	1.5	0.576	1
5-7508	32208	40	80	24.75	23.5	20	62	70	5800	1.5	1.5	0.576	1
6-7508	32208	40	80	24.75	23.5	20	62	70	5800	1.5	1.5	0.576	1
6-7508Y	32208	40	80	24.75	23.5	20	62	70	5800	1.5	1.5	0.576	1
7308A	30308	40	90	25.25	23	20	85.7	93.9	5200	2	1.5	0.76	1

Bearing type	International Code	Dimensions, mm					Bearing Capacity		N _{limit} (min ⁻¹)	Bevel Radius		Weight, kg	Drwg No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
6-7308A	30308	40	90	25.25	23	20	85.7	93.9	5200	2	1.5	0.76	1
27308AKY	31308A	40	90	25.25	23	17	69.8	77.5	5400	1.8	1.8	0.732	1
7608A	32308	40	90	35.25	33	27	91.5	102	4000	2	1.5	1.06	1
	25580 / 25520	44.45	82.931	23.812	25.4	19.05	83.8	111		3.63	0.89	0.55	1
2007109AK	32009	45	75	20	20	15.5	62.1	88.4	4800	1	1	0.352	1
6-2007109AK	32009	45	75	20	20	15.5	62.1	88.4	4800	1	1	0.352	1
7209A	30209	45	85	20.75	19	16	65.8	75.7	5400	1.5	1.5	0.491	1
7509A	32209	45	85	24.75	23	19	79.8	96.9	4500	1.5	1.5	0.591	1
6-7509A	32209	45	85	24.75	23	19	79.8	96.9	4500	1.5	1.5	0.591	1
6-7509K	32209	45	85	24.75	23	19	79.8	96.9	4500	1.5	1.5	0.591	1
127509AK		45	85	24.75	23.5	20	69.4	89.4	4500	3.63	0.3	0.621	1
7809M		45	90	38.25	40	32.5	129	164.6	5100	2.3	1.8	1.14	1
6-7809Y		45	90	38.25	40	32.5	129	164.6	5100	2.3	1.8	1.14	1
7309A	30309	45	100	27.25	25	22	112	127	4650	2	2	1.5	1
6-7309A	30309	45	100	27.25	25	22	112	127	4650	2	2	1.5	1
27709AY4WJ2		45	100	32	29	20.5	88	93	4000	2.5	2.5	1.1	1
27709K1Y		45	100	32	29	20.5	88	93	4000	2.5	2.5	1.1	1
7609A	32309	45	100	38.25	36	30	156	193	4800	2	1.5	1.41	1
6-7609AK	32309	45	100	38.25	36	30	156	193	4800	2	1.5	1.41	1
7909A		47	100	42.75	43	36	160	205	3200	1.8	1.8	1.61	1
200711 OA	32010	50	80	20	20	15.5	57.2	48	5800	1	1	0.373	1
721 OA	30210	50	90	21.75	20	17	73.9	87.9	5600	1.5	1.5	0.557	1
751 OA	32210	50	90	24.75	23	19	84	104	4900	1.5	1.5	0.641	1
6-7510	32210	50	90	24.75	23	19	84	104	4900	1.5	1.5	0.641	1
Y-7510A	32210	50	90	24.75	23	19	84	104	4900	1.5	1.5	0.641	1
6-7510X1	32210	50	90	24.75	23	19	84	104	4900	1.5	1.5	0.641	1
2731 OHA	31310A	50	110	29.25	27	19	92.3	105	4300	2.5	2	1.23	1
731 OA	30310	50	110	29.25	27	23	123	138	4200	2.5	2	1.28	1
5-731 OA	30310	50	110	29.25	27	23	123	138	4200	2.5	2	1.28	1

6-731 OA	30310	50	110	29.25	27	23	123	138	4200	2.5	2	1.28	1
N-7310A	30310	50	110	29.25	27	23	123	138	4200	2.5	2	1.28	1
761 OA	32310	50	110	42.25	40	33	176.8	221.3	4300	2.5	2	1.89	1
6-761 OA	32310	50	110	42.25	40	33	176.8	221.3	4300	2.5	2	1.89	1
N-7610A	32310	50	110	42.25	40	33	176.8	221.3	4300	2.5	2	1.89	1

Bearing type	International Code	Dimensions, mm					Bearing Capacity		N _{limit} , (min ⁻¹)	Bevel Radius		Weight, kg	Drwg No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
Y-27911A		53.975	123.825	39.5	36.7	26	140	178	3900	3.5	2.3	2.23	1
6-7211	30211	55	100	22.75	21	18	88.9	104	4000	2	1.5	0.688	1
7211A	30211	55	100	22.75	21	18	88.9	104	4000	2	1.5	0.688	1
6-7211A	30211	55	100	22.75	21	18	88.9	104	4000	2	1.5	0.688	1
7511 A3	32211	55	100	26.75	25	21	101.3	123.4	4450	2	1.5	0.865	1
5-7511 A3	32211	55	100	26.75	25	21	101.3	123.4	4450	2	1.5	0.865	1
6-7511 A3	32211	55	100	26.75	25	21	101.3	123.4	4450	2	1.5	0.865	1
27311	31311A	55	120	31.5	29	21	98	108	3900	2.3	2.3	1.58	1
27311E	31311A	55	120	31.5	29	21	98	108	3900	2.3	2.3	1.58	1
1027311A	31311A	55	120	31.5	29	21	120	134	3900	2.5	2	1.56	1
2007111A	32011X	55	90	23	23	17.5	80.9	116	5300	1.5	1.5	0.555	1
7311A	30311	55	120	31.5	29	25	144.8	164.3	3900	2.5	2	1.643	1
7611A	32311	55	120	45.5	43	35	203	256	4000	2.5	2	2.39	1
7212A	30212	60	110	23.75	22	19	94.3	108.9	3400	2	1.5	0.915	1
7512A	32212	60	110	29.75	28	24	130.5	165.6	4100	2	1.5	1.18	1
5-7512A	32212	60	110	29.75	28	24	130.5	165.6	4100	2	1.5	1.18	1
6-7512A	32212	60	110	29.75	28	24	130.5	165.6	4100	2	1.5	1.18	1
7512A1	32212	60	110	29.75	28	24	130.5	165.6	4100	2	1.5	1.18	1
6-7512A1	32212	60	110	29.75	28	24	130.5	165.6	4100	2	1.5	1.18	1
6-7512X1	32212	60	110	29.75	28	24	104.8	134.2	3400	2	1.5	1.19	1
7712A		60	120	45.5	44	37	207	280	3800	2.5	2.5	2.38	1
7712M		60	120	45.5	44	37	207	280	3800	2.5	2.5	2.38	1
27312	31312A	60	130	33.5	31	22	105	114	3550	3	2.5	1.89	1
1027312A													
7312A	30312	60	130	33.5	31	26	167	194	3550	3	2.5	2.03	1
N-7312A	30312	60	130	33.5	31	26	167	194	3550	3	2.5	2.03	1
6-7312A	30312	60	130	33.5	31	26	167	194	3550	3	2.5	2.03	1
7612A	32312	60	130	48.5	46	37	250	323	2600	3	2.5	3	1
6-7612A	32312	60	130	48.5	46	37	250	323	2600	3	2.5	3	1
2007112A	32012X	60	95	23	23	17.5	76.5	122	5000	1.5	1.5	0.603	1
2007913	32913	65	90	17	17	14	38	63	4900	1.1	1.1	0.332	1

6-2007113	32013	65	100	23	23	17.5	65	92	4600	1.5	1.5	0.64	1
Y-807813A		65	110	30.25	30	24	115	167	3850	3	1.8	1.1	1
721 3A	30213	65	120	24.75	23	20	123.7	148.7	3700	2	1.5	1.15	1
N-721 3A	30213	65	120	24.75	23	20	123.7	148.7	3700	2	1.5	1.15	1
751 3A	32213	65	120	32.75	31	27	154	197	3700	2	1.5	1.5	1

Bearing Type	International Code	Dimensions, mm					Bearing Capacity		N _{limit} (min ⁻¹)	Bevel Radius		Weight, kg	Drwg No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
6-751 3A	32213	65	120	32.75	31	27	154	197	3700	2	1.5	1.5	1
N-751 3A	32213	65	120	32.75	31	27	154	197	3700	2	1.5	1.5	1
27313	31313A	65	140	36	33	23	116	133	3280	3	2.5	2.4	1
731 3A	30313	65	140	36	33	28	178.2	201.1	3280	3	2.5	2.48	1
761 3A	32313	65	140	51	48	39	265	339	3400	3	2.5	3.61	1
6-761 3A	32313	65	140	51	48	39	265	339	3400	3	2.5	3.61	1
	HM212049 /HM212011	66.675	122.238	38.1	38.354	29.718	140	189	3700	3.6	3.2	1.84	1
2007114	32014	70	110	25	25	19	110	171	3200	1.5	1.5	0.87	1
6-2007114	32014	70	110	25	25	19	110	171	3200	1.5	1.5	0.87	1
6-2007114XM	32014	70	110	25	25	19	101.7	154.7	3200	1.3	1.3	0.87	1
27714M		70	120	44.5	42	37	139	198	3600	2.5	2.5	1.93	1
7214A	30214	70	125	26.25	24	21	115.6	137.2	3500	2	1.5	1.25	1
7214AY	30214	70	125	26.25	24	21	115.6	137.2	3500	2	1.5	1.25	1
6-7214AY	30214	70	125	26.25	24	21	115.6	137.2	3500	2	1.5	1.25	1
7514	32214	70	125	33.25	31	27	154	198.9	3500	2	1.5	1.64	1
7514A	32214	70	125	33.25	31	27	154	198.9	3500	2	1.5	1.64	1
7514K1	32214	70	125	33.25	31	27	154	198.9	3500	2	1.5	1.64	1
6-7514X1	32214	70	125	33.25	31	27	154	198.9	3500	2	1.5	1.64	1
7314A	30314	70	150	38	35	30	203	231.7	3100	3	2.5	3	1
6-7314A	30314	70	150	38	35	30	203	231.7	3100	3	2.5	3	1
7614A	32314	70	150	54	51	42	297	381	3000	3	2.5	4.37	1
6-7614A	32314	70	150	54	51	42	297	381	3000	3	2.5	4.37	1
2007915Y	32915	75	105	20	19	17	52	87	4200	1.1	1.1	0.527	1
2007115A	32015	75	115	25	25	19	106	163	3000	1.5	1.5	0.917	1
7215A	30215	75	130	27.25	25	22	92.8	104.5	2800	2	1.5	1.39	1
7515A	32215	75	130	33.25	31	27	163	216	3200	2	1.5	1.72	1
6-7515A	32215	75	130	33.25	31	27	163	216	3200	2	1.5	1.72	1
N-7515A	32215	75	130	33.25	31	27	163	216	3200	2	1.5	1.72	1

7815A		75	135	44.25	45	35	215	321	3200	2.5	2.5	2.72	1
6-7815A		75	135	44.25	45	35	215	321	3200	2.5	2.5	2.72	1
7815EK		75	135	44.25	45	35	215	321	3200	2.5	2.5	2.72	1
27315	31315A	75	160	40	37	26	156	177	2870	2.5	2.5	3.45	1
7315A	30315	75	160	40	37	31	251	297	2800	3	2.5	3.59	1

Bearing Type	International Code	Dimensions, mm					Bearing Capacity		N _{limit} (min ⁻¹)	Bevel Radius		Weight, kg	Dwg No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
6-7315A	30315	75	160	40	37	31	251	297	2800	3	2.5	3.59	1
N-7315A	30315	75	160	40	37	31	251	297	2800	3	2.5	3.59	1
7615A	32315	75	160	58	55	45	350	460	2900	3	2.5	5.18	1
6-7615A	32315	75	160	58	55	45	350	460	2900	3	2.5	5.18	1
7615AE		75	160	58	55	45	350	460	2900	3.5	3	5.18	1
2007116A	32016	80	125	29	29	22	111	159	2600	1.5	1.5	1.28	1
3007716A		80	130	37	37	29	138	162	3000	2	1.5	1.92	1
6-7516A	32216	80	140	35.25	33	28	190	245	3000	2.5	2.3	2.11	1
7216A	30216	80	140	28.25	26	22	145	177	3200	2.5	2	1.65	1
7516A	32216	80	140	35.25	33	28	190	245	3000	2.5	2.3	2.11	1
5-7516A	32216	80	140	35.25	33	28	190	245	3000	2.5	2.3	2.11	1
6-7516A	32216	80	140	35.25	33	28	190	245	3000	2.5	2.3	2.11	1
N-7516A	32216	80	140	35.25	33	28	190	245	3000	2.5	2.3	2.11	1
6-7516A1	32216	80	140	35.25	33	28	190	245	3000	2.5	2.3	2.11	1
6-7516X1	32216	80	140	35.25	33	28	190	245	3000	2.5	2.3	2.11	1
7616A	32316	80	170	61.5	58	48	396	526	2700	3	2.5	6.49	1
6-7616A	32316	80	170	61.5	58	48	396	526	2700	3	2.5	6.49	1
6-7616X1	32316	80	170	61.5	58	48	396	526	2700	3	2.5	6.49	1
27616A1	32316B	80	170	61.5	58	48	365	523	2740	3	2.5	6.63	1
2007117A	32017X	85	130	29	29	22	130	224	3400	2	2	1.34	1
6-3007117XM	33017	85	130	36	36	29	167	264	3000	1.3	1.3	1.66	1
7517A	32217A	85	150	38.5	36	30	215	285	2900	2.5	2	2.66	1
7517A1	32217A	85	150	38.5	36	30	215	285	2900	2.5	2	2.66	1
6-7517A1	32217A	85	150	38.5	36	30	215	285	2900	2.5	2	2.66	1
7317	30317	85	180	44.5	41	35	273	327	2500	3	3	4.87	1
	HM518445 /HM518410	88.9	152.4	39.688	39.688	30.162	242	344	2800	6.4	3.6	2.92	1
	HM218248 /HM218210	89.974	146.975	40	40	32.5	224	333	2900	7.4	3.6	2.57	1
2007118A	32018	90	140	32	32	24	168	270	2200	2	1.5	1.74	1
N-2007118A	32018	90	140	32	32	24	168	270	2200	2	1.5	1.74	1

Bldg 1, Kalinina St, Samara, Russia , 443009

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7218A	30218	90	160	32.5	30	26	181.1	223.4	2000	2.5	2	2.54	1
7518 AK1	32218	90	160	42.5	40	34	255.5	347	2000	2.5	2	3.42	1
5-7518	32218	90	160	42.5	40	34	255.5	347	2000	2.5	2	3.42	1
6-7518AK1	32218	90	160	42.5	40	34	255.5	347	2000	2.5	2	3.42	1
6-7518X1	32218	90	160	42.5	40	34	255.5	347	2000	2.5	2	3.42	1

Bearing Type	International Code	Dimensions, mm					Bearing Capacity		N _{limit} (min ⁻¹)	Bevel Radius		Weight, kg	Drwg No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
7718AK		90	160	49.5	46	40.5	276	405	2700	2.5	2	4.11	1
7718AK1		90	160	49.5	46	40.5	276	405	2700	2.5	2	4.11	1
7818M		90	170	61.5	59.5	49	366	537	2600			6.84	1
7318A	30318	90	190	46.5	43	36	347	423	2400	4	3	5.84	1
7318A1	30318	90	190	46.5	43	36	347	423	2400	4	3	5.84	1
7318A1T3	30318	90	190	46.5	43	36	347	423	2400	4	3	5.84	1
7618A	32318	90	190	67.5	64	53	476	658	2400	4	3	8.84	1
2007119M	32019	95	145	32	30	26	142	210	3000	2	1.8	1.75	1
3007119A	33014	95	145	39	39	32.5	223	373	2900	2	1.5	2.32	1
7219M	30219	95	170	34.5	32	27	181	235	2500	2.5	2.5	3.1	1
7519A	32219	95	170	45.5	43	37	288	398	2500	3	2.5	4.24	1
2007120M	32020	100	150	32	30	26	166	266	2900	1.8	1.8	1.86	1
2007120A	32020	100	150	32	32	24	166	266	2900	2	1.5	1.89	1
7220	30220	100	180	37	34	29	194	249	2400	3	2.5	3.72	1
7220A	30220	100	180	37	34	29	194	249	2400	3	2.5	3.72	1
7220	30220	100	180	37	34	29	194	249	2400	3	2.5	3.72	1
6-7220	30220	100	180	37	34	29	194	249	2400	3	2.5	3.72	1
7520A	32220	100	180	49	46	39	325	454	2400	3	2.5	5.07	1
5-7520A	32220	100	180	49	46	39	325	454	2400	3	2.5	5.07	1
6-7520A	32220	100	180	49	46	39	325	454	2400	3	2.5	5.07	1
7320	30320	100	215	51.5	47	39	348	407	2100	3	3	8.25	1
1027320	31320	100	215	56.5	51	37	306	381	2130	3	3	8.79	1
7620A	32320	100	215	77.5	73	60	608	836	2100	4	3	13.1	1
807920X1		101.6	161.925	41	36.5	35	168	262	2600	2.5	2.5	3.11	1
7821		105	180	49	46	39	296	435	2400	2.5	2.5	5	1
7821K		105	180	49	46	39	296	435	2400	2.5	2.5	5	1
6-7821K1		105	180	49	46	39	296	435	2400	2.5	2.5	5	1
7721		105	215	77.5	73	60	608	836	2100	4	3	12.7	1

Bldg 1, Kalinina St, Samara, Russia , 443009

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7721A		105	215	77.5	73	60	608	836	2100	4	3	12.7	1
6-7721A		105	215	77.5	73	60	608	836	2100	4	3	12.7	1
	K-37425/ K-37625	107.95	158.75	23.02	21.438	15.875	104	156	2600	3.5	3.3	1.34	1
2007122A	32022	110	170	38	38	29	235.8	372.6	1800	2.5	2	3.05	1
7222A	30222	110	200	41	38	32	286.2	369.7	2400	3	2.5	5.1	1

Bearing Type	International Code	Dimensions, mm					Bearing Capacity		N _{limit} (min ⁻¹)	Bevel Radius		Weight, kg	Drwg No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
7522A	32222	110	200	56	53	46	396	562	2100	3	2,5	7,34	1
5-7522A	32222	110	200	56	53	46	396	562	2100	3	2,5	7,34	1
6-7522A	32222	110	200	56	53	46	396	562	2100	3	2,5	7,34	1
1027322M	31322A	110	240	63	57	38	420	543	1880	3	3	12,235	1
7622A	32322	110	240	84,5	80	65	720	995	1900	4	3	17,7	1
7723A		115	190	48,5	49	35	292	464	2200	3	3	5,2	1
2007124	32024	120	180	38	36	31	211,4	332,4	2500	2,5	2,3	3,22	1
6-2007124	32024	120	180	38	36	31	211,4	332,4	2500	2,5	2,3	3,22	1
N-2007124	32024	120	180	38	36	31	211,4	332,4	2500	2,5	2,3	3,22	1
2007124M	32024	120	180	38	36	31	211,4	332,4	2500	2,5	2,3	3,22	1
2007124A	32024	120	180	38	38	29	236	393	2500	2,5	2	3,25	1
6-7824AXM		120	180	41	40	33	287	449	2300	2,3	2,3	3,4	1
7224A	30224	120	215	43,5	40	34	350	477	2000	3	2,5	6,28	1
5-7224A	30224	120	215	43,5	40	34	350	477	2000	3	2,5	6,28	1
7524A	32224	120	215	61,5	58	50	499	746	2000	3	2,5	9,25	1
6-7524A	32224	120	215	61,5	58	50	499	746	2000	3	2,5	9,25	1
7524M	32224	120	215	61,5	58	50	499	746	2000	3	2,5	9,25	1
6-7524AX1	32224	120	215	61,5	58	50	499	746	2000	3	2,5	9,25	1
1027324M	31324A	120	260	67,5	62	43	423	551	1750	3	3	15,4	1
7624A	32324	120	260	90,5	86	69	847	1195	1750	4	3	22,4	1
7526	32226	130	230	67,75	64	54	535	885	1800	4	3	11,8	1
5-7526	32226	130	230	67,75	64	54	535	885	1800	4	3	11,8	1
7526M	32226	130	230	67,75	64	54	535	885	1800	4	3	11,8	1
2007928	32928	140	190	32	32	25	212	378,1	2200	1,8	1,8	2,55	1
6-2007928	32928	140	190	32	32	25	212	378,1	2200	1,8	1,8	2,55	1
6-2007928M1	32928	140	190	32	32	25	157	300	2200	1,8	1,8	2,547	1
6-3007928XM		140	190	38,25	35	33	195	392	2200	1,8	1,8	3,025	1
6-807928A1XM		140	190	44	43	37	233	501	2000	1,8	1,8	3,6	1
2007128M	32028	140	210	45	42	36	283	455	2100	2,3	2,3	5,046	1

6-2007128M	32028	140	210	45	42	36	283	455	2100	2,3	2,3	5,046	1
7728		140	225	37,25	34	30	189	347	1780	1,8	1,8	5,6	1
5-7528	32228	140	250	71,75	68	58	617	943	1700	4	3	14,6	1
7528M	32228	140	250	71,75	68	58	617	943	1700	4	3	14,6	1
6-7528M	32228	140	250	71,75	68	58	617	943	1700	4	3	14,6	1

Bearing Type	International Code	Dimensions, mm					Bearing Capacity		N _{limit} (min ⁻¹)	Bevel Radius		Weight, kg	Drwg No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
1027328M	31328	140	300	77	70	48	548	733	1500	3.7	3.7	23	1
7828M		140	300	89.25	82	57.5	642	884	1500	3.7	3.7	27.5	1
	48685/ 46620BX	142.875	200.025	41.275	39.688	34.13	265	560				3.84	1
2007730X		150	250	60.5	60	50	489	758	1800	2.5	2.5	11.88	1
7730M		150	254	66.25	63.5	50	489	758	1700	3.7	2.3	12.6	1
7230KM	30230	150	270	49	45	38	484	665	1600	3	3	11.15	1
5-7530	32230	150	270	77	74	60	685	1057	1500	3	3	18.52	1
7530M	32230	150	270	77	74	60	685	1057	1500	3	3	18.52	1
7530M1	32230	150	270	77	74	60	685	1057	1500	3	3	18.52	1
2007132	32032	160	240	51	48	41	386	647	1800	2.5	2.5	7.919	1
6-2007132	32032	160	240	51	48	41	386	647	1800	2.5	2.5	7.919	1
7532M	32232	160	290	84	80	67	818	1330	1600	3	3	22.2	1
7832M		160	375	86.55	79.4	50	844	1019	1050	4.7	4.7	39.6	
	46790Л/ 46720ВЛ	165	225	41.275	39.688	33.338	281	635				4.64	1
7933M		165.125	288.95	63	63.5	47.6	610	965	1400	4.7	2.5	20.6	1
7634M	32334	170	360	127	120	100	1329	1952	1200	3.7	3.7	58	1
2007136M	32036	180	280	64	60	52	528	878	1600	2.5	2.5	13.4	1
7736		180	290	64.25	63.5	48	544	934	1400	2.3	2.3	15.8	1
1027336M	31336	180	380	97	88	60	887	1265	1170	3.7	3.7	46	1
2007938	32938	190	260	45	45	34	367.7	773.6	1100	2.5	2	6.84	1
7138		190	290	50.25	46	40	388	619	1400	2.5	2.5	11.8	1
6-7138		190	290	50.25	46	40	388	619	1400	2.5	2.5	11.8	1
2007138M	32038	190	290	64	60	52	553	949	1500	2.5	2.5	14.4	1
7538M	32238	190	340	97	92	75	959	1575	1200	3.7	3.7	35.4	1
2007940M	32940	200	280	51	48	41	403	786	1500	2.5	2.5	9.23	1
1027340M	31340A	200	420	107	97	66	1009	1510	1030	4.7	4.7	63	1
7941		203.255	317.55	62.75	63.5	46.05	578	1049	1250	3	2.3	18.3	1
7841M		205	485	116.75	95.2	68	1161	1616	900	4.7	4.7	85.9	1
2007944M	32944	220	300	51	48	41	426	870	1400	2.5	2.5	10.14	1

2007944M1	32944	220	300	51	48	41	426	870	1400	2.5	2.5	10.14	1
5-2007944	32944	220	300	51	48	41	426	870	1400	2.5	2.5	10.14	1
6-2007944	32944	220	300	51	48	41	426	870	1400	2.5	2.5	10.14	1
6-2007944M	32944	220	300	51	48	41	426	870	1400	2.5	2.5	10.14	1
6-2007944M1	32944	220	300	51	48	41	426	870	1400	2.5	2.5	10.14	1

Bearing Type	International Code	Dimensions, mm					Bearing Capacity		N _{limit} , (min ⁻¹)	Bevel Radius		Weight, kg	Drwg No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
2007144	32044	220	340	76	76	57	778.7	1359.8	1250	4	3	25.32	1
2007144A	32044	220	340	76	76	57	825	1468.6	1250	4	3	24	1
2007144AЛ	32044	220	340	76	76	57	778.7	1359.8	1250	4	3	25.32	1
2007144M	32044	220	340	76	72	59	920	1620	1300	3	3	22.1	1
6-2007144M	32044	220	340	76	72	59	920	1620	1300	3	3	22.1	1
2007144EM	32044	220	340	76	72	59	920	1620	1300	3	3	21.1	1
	344A-332	40	80	21	22.403	17.826	63.5	69		0.8	1.3	0.476	
7244KM	30244	220	400	70	65	52	835	1139	1000	3.7	3.7	34.91	1
7544M	32244	220	400	114	108	90	1296	2068	1000	3.7	3.7	58.4	1
	M246947 /M246910	234.848	336.55	65.088	69.85	50.8	516	980	1100	2.44	3.23	18.7	1
7947		234.95	327.025	51.65	50	39	435	916	1200	4.7	2.3	12.3	1
2007948	32948	240	320	51	48	41	403	786	1500	2.5	2.5	9.23	1
2007148M	32048	240	360	76	72	62	788	1460	1100	3	3	26	1
7951M		254.025	422.325	85.35	79.8	65.5	1067	1670	940	4.7	2.5	46.1	1
7851M	BT1B 328213	255	560	123.05	104.8	70	1578	2373	650	6	6	128	
2007952M	32952	260	360	63.5	60	51	631	1229	1040	2.5	2.5	18.4	1
2007152M	32052	260	400	87	82	71	1000	1800	1100	3.7	3.7	36.5	1
7352M	30352	260	540	109	102	80	1852	2591	800	6	6	108.8	2
6-7352M	30352	260	540	109	102	80	1852	2591	800	6	6	108.8	2
7352M1	30352	260	540	109	102	80	1852	2591	800	6	6	108.8	2
6-7352M1	30352	260	540	109	102	80	1852	2591	800	6	6	108.8	2
7352M2	30352	260	540	109	102	80	1852	2591	800	6	6	108.8	2
2007156M	32056	280	420	87	82	71	1058	1911	900	3.7	3.7	38.9	1
5-2007156	32056	280	420	87	87	65	1202.7	2309	870	5	4	40.3	1
6-2007156M	32056	280	420	87	82	71	1058	1911	900	3.7	3.7	38.9	1
7956		280.228	406.45	51.65	48.4	37	473	922	1000	4.7	2.3	20.1	1
2007960M	32960	300	420	76	72	62	844	1720	960	3	3	30.9	1
6-2007960M	32960	300	420	76	72	62	844	1720	960	3	3	30.9	1

7860M		300	440	72.25	58	51.5	692	1177	850	4.7	3.7	31	1
6-7860M		300	440	72.25	58	51.5	692	1177	850	4.7	3.7	31	1
5-7860		300	440	72.25	58	51.5	692	1177	850	4.7	3.7	31	1
2007160	32060	300	460	100	95	82	1248	2380	900	3.7	3.7	53.3	1
2007160M	32060	300	460	100	95	82	1248	2380	900	3.7	3.7	53.3	1
6-2007160M	32060	300	460	100	95	82	1248	2380	900	3.7	3.7	53.3	1

Bearing Type	International Code	Dimensions, mm					Bearing Capacity		N _{limit} (min ⁻¹)	Bevel Radius		Weight, kg	Drwg No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
5-2007160	32060	300	460	100	95	82	1248	2380	900	3.7	3.7	53.3	1
7760M		300	500	89.25	82	65	1203	2007	650	7.5	7.5	67.1	2
2007164M	32064	320	480	100	95	82	1287	2527		3.7	3.7	59.1	1
6-2007164M	32064	320	480	100	95	82	1287	2527		3.7	3.7	59.1	1
5-2007164	32064	320	480	100	95	82	1287	2527		3.7	3.7	59.1	1
2007968M	32968	340	460	76	72	62	899	1943		3	3	34.2	1
5-2007968	32968	340	460	76	72	62	899	1943		3	3	34.2	1
2007972M		360	480	76	72	62	920	2034		3	3	35.8	1
5-7772П		360	530	79.25	66	58.5	959	1636		4.7	4.7	51.12	1
7772KM		360	530	79.25	66	58.5	959	1636		4.7	4.7	51.12	1
7772KM1		360	530	79.25	66	58.5	959	1636		4.7	4.7	51.12	1
6-7772KM		360	530	79.25	66	58.5	959	1636		4.7	4.7	51.12	1
1007976M		380	520	69	65	51	895	1734		3.7	3.7	40.8	1
5-1007976П		380	520	69	65	51	882	1701.2		3.7	3.7	42.9	1
5-1007984		420	560	69.25	65	51	934	1890		3.7	3.7	42.5	1
1007984M		420	560	69.25	65	51	934	1890		3.7	3.7	42.5	1
5-7184		420	620	94	90	67	1547	2903		4.7	4.7	86.8	1
7184M		420	620	94	90	67	1547	2903		4.7	4.7	86.8	1
7784M		420	620	95	85	63.5	1408	2699		4.7	4.7	85.2	2
307986П		431.8	533.4	50.8	54	39.69	559	1297		1.8	1.1	17.7	1
5-7188X		440	650	96.4	94	67	1769	3252		6	6	102	2
7188XM		440	650	96.4	94	67	1769	3252		6	6	102	2
5-7188XM		440	650	96.4	94	67	1769	3252		6	6	102	2
1007992KM		460	620	80	74	58	1236	2505		3.7	3.7	61.2	1
1007996M		480	650	84.5	78	60	1247	2577		4.7	4.7	71	1
10079/500M		500	670	84.25	78	60	1365.7	2950.3		4.7	4.7	77	2
71/500M		500	720	110	100	82	2176	4296		6	6	136	2
77/520M		520	740	95	86	70	1561	3304		2.5	6	118	2
5-77/520M		520	740	95	86	70	1561	3304		2.5	6	118	2
10079/530M		530	710	87	82	62	1555	3274		4.7	4.7	90.6	2

10079/560		560	750	92.5	85	64	1625	3542		4.7	4.7	105	2
6-10079/560M		560	750	92.5	85	64	1625	3542		4.7	4.7	105	2
77/560M		560	820	140	120	105	2963	5788		7.5	7.5	229	2
71/600M		600	870	124	118	88	3082	6235		6	6	232	2
5-10079/630		630	850	107	100	78	2385	5192		6	6	164	2

Bearing Type	International Code	Dimensions, mm					Bearing Capacity		N _{limit} , (min ⁻¹)	Bevel Radius		Weight, kg	Drwg No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
71/630M		630	920	135	128	94	3402	7003		7.5	7.5	278	2
10077/670M		670	1090	192	185	135	6179	11716		7.5	7.5	630	2
10079/710M		710	950	114	106	80	2584	6108		6	6	209	2
6-10079/710M		710	950	114	106	80	2584	6108		6	6	209	2
10079/710M1	BT1B 332890/HA1	710	950	114	106	80	2584	6108		6	6	209	2
6-10079/710M1	BT1B 332890/HA1	710	950	114	106	80	2584	6108		6	6	209	2
10079/710K3M		710	950	114	106	80	2584	6108		6	6	209	2
10078/850M		850	1030	90	82	62	1942	5290		4.7	4.7	141.2	2
20078/850XM		850	1030	106	98	82	2607	7359		4.7	4.7	175	2
10079/900M	BT1B 328214/HA5	900	1180	124	122	87	3425	8920		6	6	368.9	2
6-10079/900M	BT1B 328214/HA5	900	1180	124	122	87	3425	8920		6	6	368.9	2
6-10079/900AXM	BT1B 328214/HA5	900	1180	124	122	87	3425	8920		6	6	368.9	2
71/900M		900	1280	190	170	135	6212	14060		7.5	7.5	687	2
20078/1320M		1320	1600	176	165	142	6332	20560		6	6	719	2

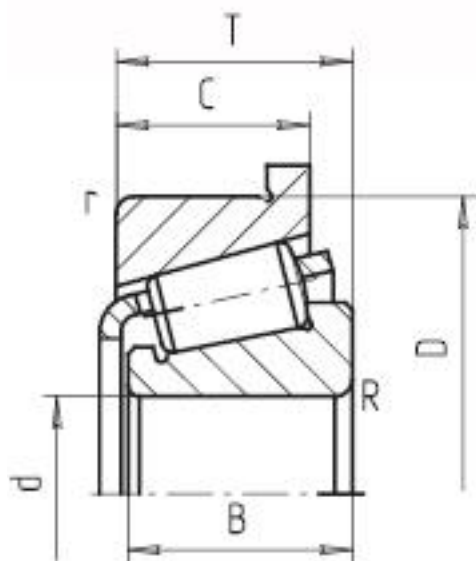
Bldg 1, Kalinina St, Samara, Russia , 443009

Тел.: (846) 995-10-10, 995-11-31 E-mail: order@spzgroup.ru

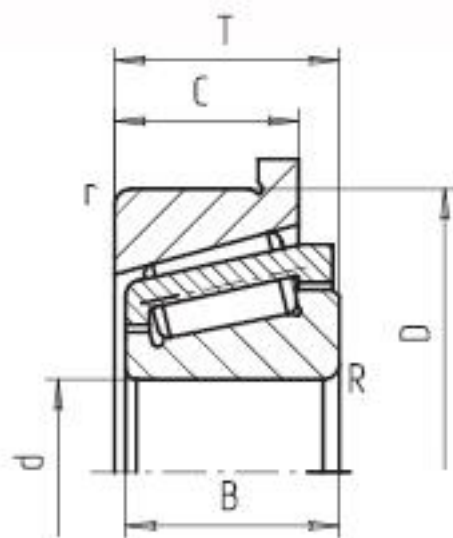
20079/1320M		1320	1720	238	230	175	9622	28435		7.5	7.5	1431	2
10079/1800M		1800	2300	257.5	218	180	11815	34166		12	12	2360	2
10079/1800M1		1800	2300	257.5	218	180	11815	34166		12	12	2360	2

Bldg 1, Kalinina St, Samara, Russia , 443009
Тел.: (846) 995-10-10, 995-11-31 E-mail: order@spzgroup.ru

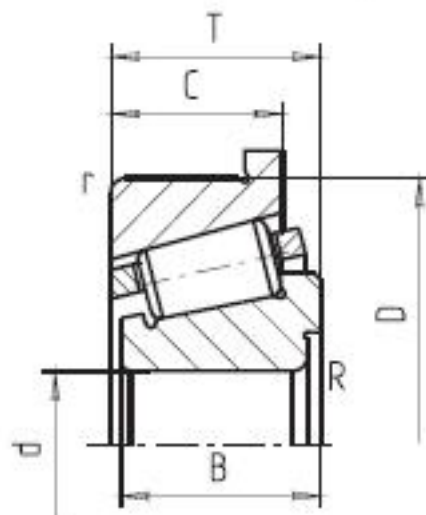
Single-row radial-thrust roller bearings with taper rollers and flanged cup



Drawing 1



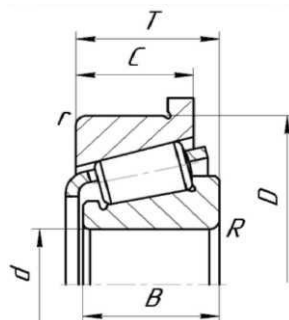
Drawing 2



Drawing 3

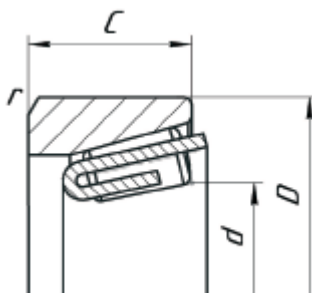
Bearing Type	International Code	Dimensions, mm					Bearing Capacity		$N_{limit}, (min^{-1})$	Bevel Radius		Weight, kg	Drawing No.
		d	D	T	B	C	C (kN)	Co (kN)		R_{min}, mm	r_{min}, mm		
67512A1		60	110	29.75	28	24	130	165	4000	2	1.5	1.22	1
67819		96.838	149.225	31.75	28.971	24.608	145	216	2900	3.42	1.5	1.93	1
67728KM		140	230	57.25	57	45	416	672	1800	3	3	9.04	1
	LM545848/ LM545810	234.848	314.325	57.467	53.975	36.512	435	916	1100	3.6	2.9	11.1	1
	LM565949/ LM565910B	381	522.288	85.724	84.138	61.912	1360	2980		6.4	3.3	46.9	1
679/622		622.3	725.487	46	46	34	595	1683		4.7	4.7	32.6	2
677/648XM		647.7	736.6	31.75	31.75	25.4	367	1010		2.3	2.3	20.74	2
677/737XM	LL 582949/ LL582910B	736.6	825.5	31.75	31.75	25.4	381	1107		2.3	2.3	23.4	2
70678/800M		800	980	57	57	47	892	2280		3.7	3.7	92.4	2
677/850M		850	960	36	34	26	503	1416		2.3	2.3	31.8	3
677/965MY		965	1100	54	50	43	991	2937		2.3	2.3	63.2	2

Radial-thrust roller bearings with taper rollers



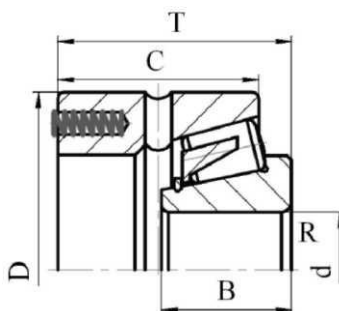
Bearing Type	Dimensions, mm					Bearing Capacity		N_{limit} , (min^{-1})	Bevel Radius		Weight, kg
	d	D	T	B	C	C (kN)	Co (kN)		R_{min} , mm	r_{min} , mm	
7806A	32	72	29.75	28.5	15	45.98	48.5	6300	5	1.3	0.454
6-7806A	32	72	29.75	28.5	15	45.98	48.5	6300	5	1.3	0.454
7806Y	32	72	29.75	28.5	15	45.98	48.5	6300	5	1.3	0.454

Single-row radial-thrust roller bearings with taper rollers without inner ring



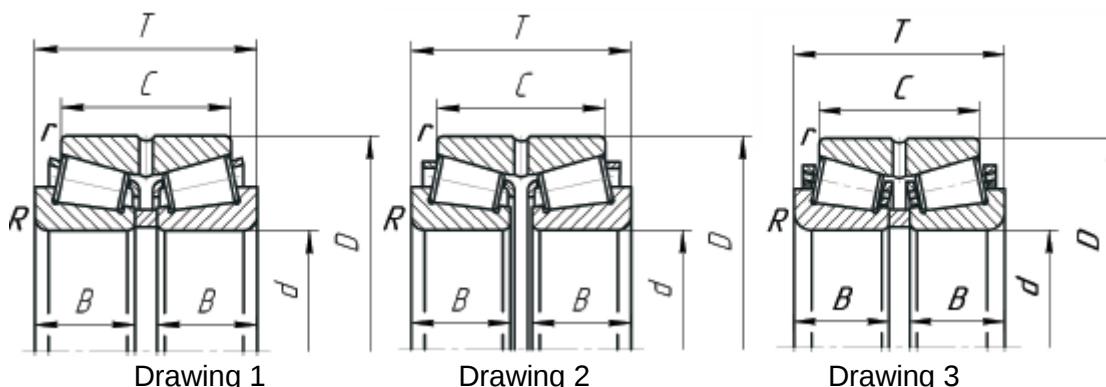
Bearing Type	Dimensions, mm			Bearing Capacity		N_{limit} , (min^{-1})	Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)		R_{min} , mm	r_{min} , mm	
977907K1	33.020	49.225	12.4						0.081
987910K	40.62	68	19.5	39	39	3800	0.7	0.309	0.3

Tapered roller bearings with spring collar



Bearing Type	Dimensions, mm					Bearing Capacity		N_{limit} , (min^{-1})	Bevel Radius R_{min} , mm	Weight, kg
	d	D	T	B	C	C (kN)	Co (kN)			
6-17722Л	110	170	73	39.5	63.5	175	273	3000	2,5	4.91

Double-row radial-thrust roller bearings with taper rollers



Drawing 1

Drawing 2

Drawing 3

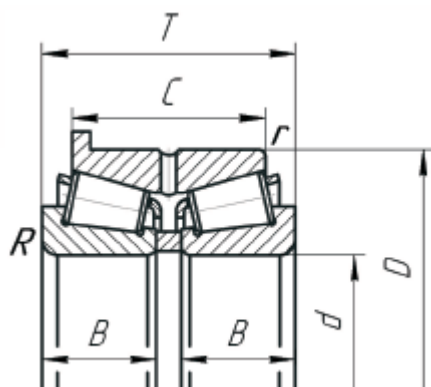
Bearing Type	Dimensions, mm					Bearing Capacity		N_{limit} (min^{-1})	Bevel Radius		Weight, kg	Drawing No.
	d	D	T	B	C	C (kN)	Co (kN)		R_{min} , mm	r_{min} , mm		
57707AY	35	80	57	23.3	45	109	154.3	4800	1.5	0.3	1.25	2
297308AKY	40	90	55.625	23	40	119	154	4600	1.8	0.3	1.7	1
97510A	50	90	54.625	23	45	144	208	4200	1.5	0.5	1.4	1
97511A	55	100	59.625	25	48	174	248	3800	2	0.5	1.87	1
97511 A3	55	100	59.625	25	48	174	248	3800	2	0.5	1.87	1
97512A	60	110	64.625	28	55	223	331	3500	1.8	0.5	2.487	1
97512A1	60	110	64.625	28	55	223	331	3500	1.8	0.5	2.487	1
97814Y	70	110	38	16	28	85	129	3270	1.1	1.1	1.23	1
97514	70	125		75		210	315				3.51	1
5-2097115	75	115	55.625	24	44	137	235	3400	1.3	0.3	1.89	1
97515A	75	130	74.625	31	62	279	431	2800	2	0.5	3.8	1
97518A	90	160	95.25	40	78	255	347	2700	2.3	0.7	7.39	1
97518A1	90	160	95.25	40	78	255	347	2700	2.3	0.7	7.39	1
97718	90	161.95	99.25	42	82	437	694	2330	3	1.1	10	1
97718A	90	161.95	99.25	42	82	437	694	2330	3	1.1	10	1
97519A	95	170	107.25	43	90	481	792	2200	3	0.9	9.3	1
97520AY	100	180	111.25	46	92	558	909	2000	3	0.9	10.9	1
6-97520AY	100	180	111.25	46	92	558	909	2000	3	0.9	10.9	1
97520AY1	100	180	111.25	46	92	558	909	2000	3	0.9	10.9	1
6-97520AY1	100	180	111.25	46	92	558	909	2000	3	0.9	10.9	1
97720M	100	190	124.25	55.3	100	617	1029	1950	2.5	0.9	14.8	1
97820	101.6	168.275	91.25	40	70	354	646	2160	3	1.1	8.5	1
97521	105	190	117.25	50	96	578	990	1970	2.5	0.9	13.74	1
2097724M	120	200	109.25	48	90	552	967	1950	2.3	0.7	11.7	1
97524A	120	215	135.25	58	112	835	1465	1720	3	0.9	19.531	1
2097726M	130	210	109.25	48	90	598	1095	1850	2.3	0.7	13.6	1
97526M	130	230	150	64	120	917	1770	1600	4	1.1	25.4	1
97526KM	130	230	150	64	120	917	1770	1600	4	1.1	25.4	1
97726M	130	235	144.25	65	115	778	1314	1550	2.3	1.1	24.5	1
97727	135	220	105.85	46.5	81	548	1011	1600	2.5	0.9	13.5	1
2097930	150	210	84.25	36	70	347	763	1700	2.3	0.7	8.41	1
2097730M	150	250	137.25	60	112	838	1513	1400	2.5	0.9	25.8	1
6-2097730M	150	250	137.25	60	112	838	1513	1400	2.5	0.9	25.8	1
2097730KM	150	250	137.25	60	112	839	1516	1400	2.5	0.9	25.7	1
2097730ЛМ	150	250	137.25	60	112	839	1517	1550	2.5	0.9	25.7	1
97730M	150	255	144.25	63.5	110	839	1516	1400	3.7	0.9	28	1
97530M	150	270	171.25	74	138	1174	2115	1300	3	1.1	39.1	1
2097132	160	240	114.25	48	94	661	1294	1570	2.5	0.9	16.5	1
97732M	160	270	139.25	63	110	1001	1830	1300	2.5	0.9	30.4	1
2097732M	160	270	149.25	66	120	1000	1920	1400	2.5	0.9	34.9	1

Bearing Type	Dimensions, mm					Bearing Capacity		N _{limit} , (min ¹)	Bevel Radius		Weight, kg	Drawing No.
	d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
97936XM	177.8	288.925	142.875	64.8	111.125	968	1754	1450	2.2	2	33.2	1
2097936M	180	250	94.25	42	76	531	1123	1450	2.3	0.7	13.2	1
2097936K	180	250	94.25	42	76	530	1122	1450	2.3	0.7	13.2	1
2097136M	180	280	133.25	60	108	904	1754	1350	2.5	0.9	27.9	1
97736M	180	285	107.25	46	79.4	648	1112	1200	2.5	0.9	22.1	1
2097736M	180	300	163.25	72	134	1206	2342	1300	3	1.1	43.2	1
6-2097736M	180	300	163.25	72	134	1206	2342	1300	3	1.1	43.2	1
2097938	190	260	94	42	76	551	1199	1350	2.3	0.7	13.5	1
2097738M	190	320	171	78	134	1259	2394	1200	3	1.1	51.5	1
2097940M	200	280	117	48	97	691	1572	1300	2.5	0.9	20.8	1
2097940K	200	280	117	48	97	691	1573	1300	2.5	0.9	20.8	1
2097140M	200	310	151	66	123	1093	2282	1200	2.5	0.9	39.2	1
2097740M	200	340	183	82	150	1567	3041	1100	3	1.1	61.5	1
97841M	205	317.5	149	67	110	1004	2093	1065	3.7	1.3	40	1
97741M	205	320	149	67	110	1004	2093	1060	3.7	1.3	41	1
2097944M	220	300	109	48	88	731	1739	1180	2.5	0.9	21.4	1
2097144M	220	340	164	72	130	1314	2615	1100	3	1.1	47.05	1
97744ПМ	220	340	99	45	75	768	1393	830	2.5	0.9	29.3	1
2097744M	220	370	199	88	166	1765	3398	1040	3.7	1.3	76.2	1
97745M	225	360	145.5	65	111	1158	2249	950	3	1.1	51	1
97746M	230	355	144	65	110	1158	2249	950	4.7	1.8	44.6	1
2097948	240	320	109	48	90	749	1838	1100	2.5	0.9	22	1
2097948K	240	320	109	48	90	749	1838	1100	2.5	0.9	22	1
5-2097948	240	320	109	48	90	749	1838	1100	2.5	0.9	22	1
2097148M	240	360	164	72	130	1351	2932	1000	3	1.1	52.9	1
97748M	240	370	119	55	86	933	1608	900	4.7	1.8	38.8	1
2097748M	240	400	209	95	168	1942	3844	940	3.7	1.3	96.3	1
2097952M	260	360	133	60	109	1082	2460	950	2.5	0.9	38.3	1
7097152M	260	400	103	44	78	790	1453	830	3	1.1	40.8	1
97852M	260	400	149	67	110	1356	2555	830	4.7	1.8	59.4	1
2097152M	260	400	185	93	146	1715	3660	900	3.7	1.3	76.8	1
2097152M1	260	400	185	93	146	1715	3660	900	3.7	1.3	76.8	1
2097152ПМ	260	400	185	82	146	1717	3660	900	3.7	1.3	81.5	1
97752M	260	430	179	82	130	1527	2920	800	7.5	1.8	92.3	1
2097752M	260	440	224	106	180	2411	4663	850	3.7	1.3	126	1
7097156M	280	420	110	47	84	1127	1900	770	3.7	1.3	43	1
2097156M	280	420	188	82	154	1814	3822	860	3.7	1.3	82.5	1
2097960	300	420	159	72	128	1446	3440	830	3	1.1	62.4	1
2097960M	300	420	159	72	128	1446	3440	830	3	1.1	62.4	1
2097960ПМ	300	420	159	72	128	1447	3440	830	3	1.1	71.7	1
97860M	300	440	139	58	100	1187	2354	730	4.7	1.8	60.7	1
97760M	300	500	179	82	125	2062	4015	560	7.5	1.8	132.3	1
1097760M	300	500	204	90	152	2274	4332	740	4.7	1.8	142.2	1
97766M	330	560	179	82	150	2197	4511		7.5	1.8	178.7	1
2097968M	340	460	159	72	128	1541	3885		3	1.1	71	1
97768M	340	500	154	66	110	1709	3531		4.7	1.8	91.5	1
6-297868XMY	340	520	149	64	90	1095	2755		17	4.7	111	1
97168M	340	520	179	82	135	2014	3981		4.7	1.8	118	1
1097768	340	580	241	106	170	3099	5823		4.7	1.8	221.5	1
1097768M	340	580	241	106	170	3099	5823		4.7	1.8	221.5	1
97770M	350	590	199	88	140	2798	5606		9.5	1.8	207	1
2097972M	360	480	159	72	128	1577	4067		3	1.1	74.4	1
2X-2097972M	360	480	159	72	128	1577	4067		3	1.1	74.4	1
6-2097972MT	360	480	159	72	128	1577	4067		3	1.1	74.4	1
2097972KM	360	480	159	72	128	1577	4068		3	1.1	74.23	1

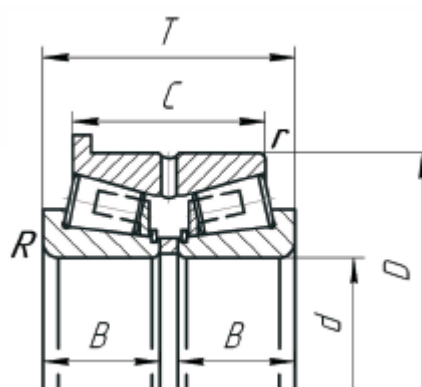
2097972ЛМ	360	480	159	72	128	1577	4067		3	1.1	96.2	1
97772М	360	530	154	66	110	1775	3622		4.7	1.8	104	
97172М	360	540	185	82	140	2087	4236		4.7	1.8	127	1
97172ЛМ	360	540	184	82	140	2087	4236		4.7	1.8	127	1
97773М	365	535	179	81	136	2285	4778		3.7	2.3	119	3

Bearing Type	Dimensions, mm					Bearing Capacity		N _{limit} (min ⁻¹)	Bevel Radius		Weight, kg	Drawing No.
	d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
1097976M	380	520	149	65	112	1512	3403		3.7	1.3	84.4	1
1097976KM	380	520	149	65	112	1512	3403		3.7	1.3	84.4	1
1097776M	380	620	241	106	170	3139	6099		4.7	1.8	251	1
1097776ЛМ	380	620	241	106	170	3139	6099		4.7	1.8	251	1
1097980ЛМ	400	540	149	65	112	1570	3626		3.7	1.3	88.2	1
97936XM	177.8	288.925	142.875	64.8	111.125	968	1754	1450	2.2	2	33.2	1
97780M	400	590	184	81	125	2314	5011		4.7	1.8	150.7	3
97180M	400	600	205	90	150	2632	5665		4.7	1.8	179	1
1097780M	400	650	253	112	190	4060	7974		6	2.5	306	3
97184M	420	620	205	90	150	2652	5807		4.7	1.8	187	1
97784M	420	620	189	85	125	2415	5399		4.7	1.8	172	3
1097784M	420	700	274	122	200	4553	9344		6	2.5	400	3
97188	440	650	211	94	152	2716	6086		6	2.5	213	1
97188M	440	650	211	94	152	2716	6086		6	2.5	213	1
1097992	460	620	174	74	131	2119	5010		3.7	1.3	131	1
1097992KM	460	620	174	74	131	2119	5009		3.7	1.3	131	1
97192M	460	680	229	100	175	3247	6985		6	2.5	248	1
97192M1	460	680	229	100	175	3247	6985		6	2.5	248	1
1097996	480	650	179	78	130	2138	5155		4.7	1.8	168	1
1097996M	480	650	179	78	130	2138	5155		4.7	1.8	168	1
1097996ЛМ	480	650	179	78	130	2138	5155		4.7	1.8	168	1
97798M	490	640	179	81	144	2145	5947		7.5	2.3	140	1
10979/500 M	500	670	179	78	130	2341	5900		4.7	1.8	166	3
971/500	500	720	235	100	180	3731	8593		6	2.5	289	3
971/500M	500	720	235	100	180	3731	8593		6	2.5	289	3
977/520M	520	740	188.5	86	120	2677	6609		2.5	2.5	230	3
10979/530 M	530	710	188.5	82	136	2666	6548		4.7	1.8	193.4	3
977/540M	540	790	188.5	87	130	3003	7061		6	1.1	296	3
10979/560 M	560	750	211.5	85	156	2787	7084		4.7	1.8	237.6	3
971/560ЛМ	560	820	258.5	115	185	4369	9616		6	2.5	445	1
971/560M	560	820	258.5	115	185	4716	1065		6	2.5	414	3
977/560M	560	820	268.5	120	190	5080	11575		7.5	2.5	451	3
10979/600 M	600	800	208.5	90	160	3446	9183		4.7	1.8	283	3
971/600	600	870	268.5	118	198	5284	12470		6	2.5	497	3
971/600M	600	870	268.5	118	198	5284	12470		6	2.5	497	3
10979/630 M	630	850	240.5	100	182	4089	10385		6	2.5	361	3
10979/710 M	710	950	238.5	106	175	4430	12217		6	2.5	445.1	3
10979/710K M	710	950	238.5	106	175	4430	12217		6	2.5	443	3
971/710	710	1030	313.5	140	220	7154	17711		7.5	3	809	3
971/710M	710	1030	313.5	140	220	7154	17711		7.5	3	809	3
977/720M	720	915	188.5	82	140	3334	8705		2.3	4.7	284	3
10979/800 M	800	1060	268.5	115	204	5383	15297		6	2.5	604	3
971/800M	800	1150	348.5	155	256	8089	20431		7.5	3	1067	3
10979/850 M	850	1120	266	118	190	5901	16486		6	2.5	650	3
10979/950 M	950	1250	298	132	220	7392	20816		7.5	3	919	3
97522A	110	200	125.25	53	105	680	1124		3	0.9	15.7	1

Double-row radial-thrust roller bearings with taper rollers and flanged cup



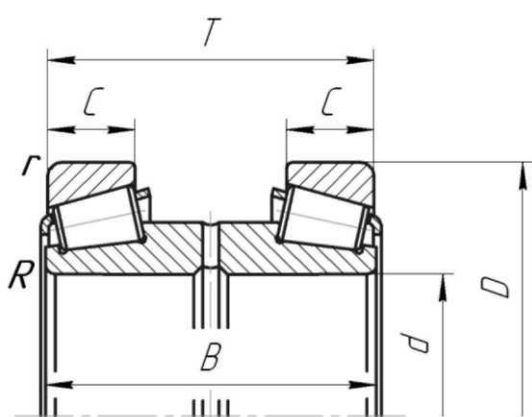
Drawing 1



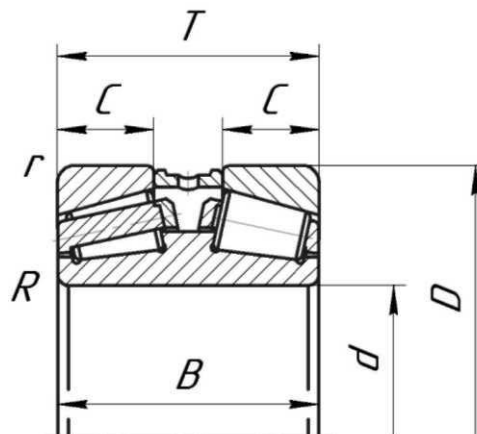
Drawing 2

Bearing Type	Dimensions, mm					Bearing Capacity		N_{limit} , (min ⁻¹)	Bevel Radius		Weight, kg	Drawing No.
	d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
697306KY	30	72	47	19	33	66	74	5760	1.3	0.5	0.894	1
5-697920П	98.425	159.4	92	42	75.8	321	531	2100	2.5	0.5	5.55	2
6-697724П	120	188	96.8	44	80.5	370.2	681.6		2.5	0.8	7.96	2

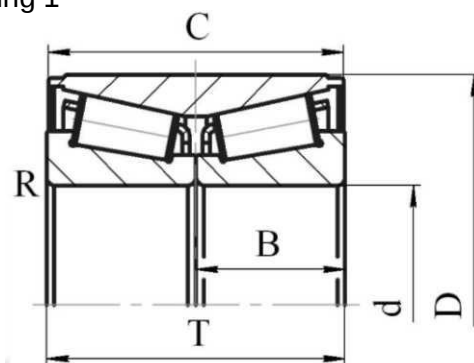
Double-row radial-thrust roller bearings with taper rollers and double outer ring



Drawing 1



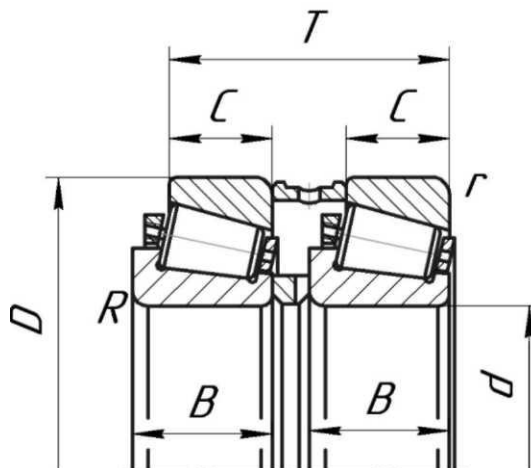
Drawing 2



Drawing 3

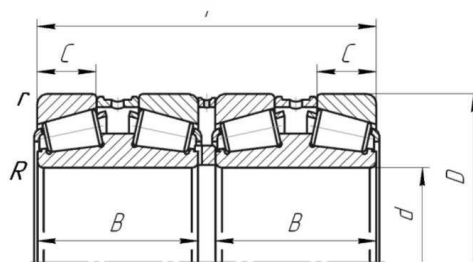
Bearing Type	International Code	Dimensions, mm					Bearing Capacity		N_{limit} , (min ⁻¹)	Bevel Radius		Weight, kg	Drawing No.
		d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm		
6-257906C17		30	60	37	18.5	37	63	82	4459	2.2		0.47	3
847929		146.075	241.325	164.25	165	41	610	1196	1500	2.3	3.7	28.8	2
747746M		230	330	202	196.85	39	774	1494	1000	1.1	3	38	1
47752M		260	420	169	170	70	1908	3779	800	3.7	3.7	88.5	1
847156ЛМ		280	420	129	130	44	1105	2344	640	3.7	3.7	66.4	2
847156ЛМ1		280	420	129	130	44	1105	2344	640	3.7	3.7	66.4	2
6-847156ЛМ		280	420	129	130	44	1105	2344	640	3.7	3.7	66.4	2
847156ЛМ2		280	420	129	130	44	1105	2344	640	5	5	59.7	2
847156KM		280	420	129	130	44	1246	2743	640	1.8	3.7	61.8	2
847156ЛМТ2		280	420	129	130	44	1105	2344	640	5	5	61.9	2
847156КЛМ		280	420	139	70	44	1105	2344	640	5	5	67.5	2
847156КЛМ1		280	420	149	69	44	1105	2344	640	5	5	66.3	2
847164ЛМ		320	480	149	150	52	1473	3264		3.7	3.7	95.4	2
847180ЛМ		400	600	189	190	63	2234	5087		4.7	4.7	184	2
847792M		460	730	199	200	86	4162	8378		2.3	4.7	332	2
40471/500M		500	720	217	185	75	2368	5346		6	6	260	2
8471/560XM		560	820	240.5	242	80	3638	9001		6	6	440	2
66471/560XM		560	820	240.5	242	80	3638	9001		6	6	440	2
48479/750M		750	1000	248.5	250	100	6074	17486		6	6	566	2
8471/900XM		900	1280	358	320	135	10623	28024		7.5	7.5	1404	2

Duplex single-row radial-thrust roller bearings with taper rollers



Bearing Type	Dimension s, mm					Bearing Capacity		N_{limit} , (min ⁻¹)	Bevel Radius		Weight, kg
	d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm	
1527360M	300	620	315	140	92	3984	6996	450	7.5	7.5	402

Four-row radial-thrust roller bearings with taper rollers

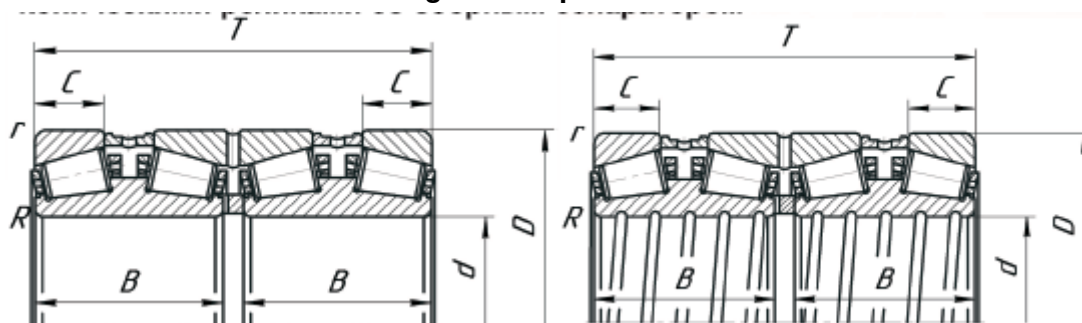


Bearing Type	Dimensions, mm					Bearing Capacity		N _{limit} (min ⁻¹)	Bevel Radius		Weight, kg
	d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm	
77930M	152.4	222.25	174.625	83.6	35	930	2319	1000	2.5	2.5	22.6
77140XM	200	310	200	93	36.5	1440	3000	730	2	2	53.1
2077140M	200	310	273.5	132	56	1875	4565	730	2.5	2.5	75.8
77741M	205	320	203.5	96	36	1355	2664	700	3	3	55.81
6-77741M	205	320	203.5	96	36	1355	2664	700	3	3	55.81
2077144M1	220	340	303.5	146.5	59	2253	5230	660	4	4	104
6-2077144M1	220	340	303.5	146.5	59	2253	5230	660	4	4	104
2077144ЛМ	220	340	303.5	146.5	59	2253	5230	660	4	4	104
6-2077144ЛМ	220	340	303.5	146.5	59	2253	5230	660	4	4	104
2077148M	240	360	308.5	149	62	2313	5853	600	3	3	108.7
77748M	240	410	268.5	128	50	2479	4955	570	3.7	3.7	144
6-77748M	240	410	268.5	128	50	2479	4955	570	3.7	3.7	144
77951	254	358.78	269.88	130.1	54	2210	6020	570	3	3	84.7
77752M	260	400	253.5	119	47	2048	4775	550	3.7	7.5	111
6-77752M	260	400	253.5	119	47	2048	4775	550	3.7	7.5	111
77752XM	260	400	253.5	119	47	2048	4775	550	3.7	7.5	111
77752ЛМ	260	400	253.5	119	47	2048	4775	550	5	10	147
6-77752ЛМ	260	400	253.5	119	47	2048	4775	550	5	10	147
77752ХЛМ	260	400	253.5	119	47	2048	4775	550	5	10	147
77752M1	260	400	253.5	119	47	2048	4775	550	3.7	7.5	111
2077152	260	400	343.5	167.2	71	2943	7321	550	3.7	3.7	151
2077152M	260	400	343.5	167.2	71	2943	7321	550	3.7	3.7	151
6-77752XM	260	440	298.5	140	50	3077	6982	510	2.3	4.7	164
6-77752ХЛМ	260	440	298.5	140	50	2210	4570	600	2.3	4.7	178.7
6-77752ХЛМ1	260	440	300	140	55	2600	5500	600	2.3	4.7	182
6-77752ХЛМ2	260	440	300	140	55	2600	5500	600	3	6	187
77953XM	266.7	355.6	288.7	111	45	1570	4580	590	1.3	2.5	62.5
6-77953XM	266.7	355.6	288.7	111	45	1570	4580	590	1.3	2.5	62.5
2077156	280	420	343.5	165.5	71	3111	7645	520	3.7	3.7	159
2077156M	280	420	343.5	165.5	71	3111	7645	520	3.7	3.7	159
1077756M	280	460	322.5	154	62	3187	7067	480	4.7	4.7	193
77757M	285	410	245	112.2	42	2177	5435	500	3	3	104.5
2077960XM	300	420	288.5	137	56	2600	7406	500	3	3	123
2077160M	300	460	388.5	188	82	3669	9529	470	3.7	3.7	238
2077160XM	300	460	388.5	188	82	3669	9529	470	3.7	3.7	238
77760M	300	500	348.5	165	64	3326	7371	450	4.7	4.7	259
6-77760M1	300	500	348.5	165	64	3326	7371	450	4.7	4.7	259
77961XM	304.7	438.1	278.5	135	54	2751	7243	490	2.3	3.7	136
330758BG	304.902	412.648	266.7	128.588	53.975	2700	7200		4	3.3	100.6
2077164M	320	480	388.5	188	82	3783	10107		3.7	3.7	242
6-2077164M	320	480	388.5	188	82	3783	10107		3.7	3.7	242
77766M	330	580	358.5	172	68	4619	9806		4.7	4.7	408
77766M1	330	580	358.5	172	68	4619	9806		4.7	4.7	408
77868XM1	340	510	420	203	83	5250	13695		3	6	296.4
77168M	340	520	323.5	155	63	3413	7843		4.7	4.7	233
77968XM	343.1	457.1	252.5	122.2	49.212	2257	7081		1.3	3	116.8
77968XM1	343.052	457.098	252.5	122.2	49.212	2257	7081		1.3	3	116.8
77968XM2	343.052	457.098	252.5	122.2	49.212	2257	7081		1.3	3	116.8

Bearing Type	Dimensions, mm					Bearing Capacity		N _{limit} (min ⁻¹)	Bevel Radius		Weight, kg
	d	D	T	B	C	C (kN)	Co (kN)		R _{min} , mm	r _{min} , mm	
777770M	350	590	418.5	200	80	5024	11827		2.3	4.7	473
77172XM	360	540	323.5	155	60	3557	8715		4.7	4.7	247
3077776M	380	620	386.5	184	75	4555	10532		4.7	4.7	448
1077776M	380	620	418.5	200	76	5442	12373		4.7	4.7	515
6-1077776M1	380	620	418.5	200	76	5442	12373		4.7	4.7	515
77976M	381	571.5	309.5	150	60	3364	8681		4.7	4.7	279
77779XM	395	545	287.5	120	55	3161	9390		1.8	3.7	198
77779XKM	395	545	287.5	120	55	3460	9200		2.5	5	196
77779XKM1	395	545	287.5	120	55	3460	9200		2.5	5	196
6-77779XKM1	395	545	287.5	120	55	3460	9200		2.5	5	196
77880XM	400	540	278.5	130	48	2578	7479		3.7	3.7	177
6-77880XM	400	540	278.5	130	48	2578	7479		3.7	3.7	177
77184ЛМ	420	620	354.5	170	67	4547	11614		4.7	4.7	412
1077284XM	420	760	498.5	240	100	8760	19857		7.5	7.5	1057
77888XK2	440	580	360	174	73	4720	15300		2.5	4	251
77888XM	440	580	360	174	73	4720	15300		2.5	4	251
77888XM1	440	580	360	174	73	4720	15300		2.5	4	252
77888XM2	440	580	360	174	73	4720	15300		2.5	4	251
1077988M	440	600	318.5	151	58	3526	9517		3.7	3.7	253
77788M	440	650	353.5	172	67	5074	12535		4.7	6	410
77788M1	440	650	353.5	172	67	5074	12535		4.7	6	410
777792M	460	730	438.5	210	80	6536	15902		3.7	7.5	672
1077792XM	460	760	518.5	250	99	9386	22528		7.5	7.5	1061
1077996M	480	650	336.5	159	60	3666	10309		4.7	4.7	304
77196M	480	700	418.5	200	80	6284	16620		6	6	544
1077796M	480	790	528.5	256	101	9598	23517		7.5	7.5	1074
771/500M	500	720	418.5	202	82	6397	17187		6	6	564
771/500XM	500	720	418.5	202	82	6397	17187		8	8	572
771/500XM1	500	720	418.5	202	82	6397	17187		8	8	572
10777/500M	500	830	568.5	272	104	10871	26460		7.5	7.5	1271
10777/500M1	500	830	568.5	272	104	10871	26460		7.5	7.5	1271
331157BG	514.35	673.1	422.275	211.138	105.569	7210	21600		3.3	6.4	399
778/520M	520	950	578	282	118	13602	31013		7.5	7.5	1910
779/530XM	530	710	398	188	78	6109	19640		1.5	5	435
30777/530M	530	880	542	260	100	9982	23867		7.5	7.5	1320
30777/530M1	530	880	542	260	100	9982	23867		7.5	7.5	1320
777/533M	533	810	448	208	78	8023	19498		6	6	791
778/540	540	690	400	190	78	5290	17750		3	6	368.5
778/540XM	540	690	400	190	78	5290	17750		3	6	368.5
778/540XM1	540	690	400	190	78	5290	17750		3	6	368.5
778/540XM2	540	690	400	190	78	5290	17750		3	6	368.5
6-778/540XM2	540	690	400	190	78	5290	17750		3	6	368.5
6-778/540ЛМ2	540	690	400	190	78	5420	18460		3	6	373
10777/560M	560	920	618	300	115	13750	32790		7.5	7.5	1656
10777/560M1	560	920	618	300	115	13750	32790		7.5	7.5	1656
779/600M	600	800	363	172.5	70	5909	18367		4.7	4.7	537
777/620M	620	800	363	171.5	71	6038	18971		2.3	4.7	481
777/620KM	620	800	363	171.5	71	6038	18971		2.3	4.7	481
777/620M1	620	800	363	171.5	71	6038	18971		3	6	482
777/620M2	620	800	363	171.5	71	6038	18971		3	6	482
779/630XM	630	850	424	200	78	7524	22754		3	6	690
771/630M	630	920	513	245	94	10000	28013		7.5	7.5	1156
6-771/630M	630	920	513	245	94	10000	28013		7.5	7.5	1156
771/630M1	630	920	513	245	94	10000	28013		7.5	7.5	1156
777/645M1	645	1030	558	273	113	15140	37230		7.5	12	1859
777/647M	647	1030	558	273	113	14704	35801		7.5	12	1845
777/650M	650	1030	558	273	113	14704	35801		7.5	12	1831
777/650M1	650	1030	558	273	113	14704	35801		7.5	12	1831
6-777/650M1	650	1030	558	273	113	14704	35801		7.5	12	1831
778/660M	660	855	318	152	60	5472	15975		3.7	7.5	470

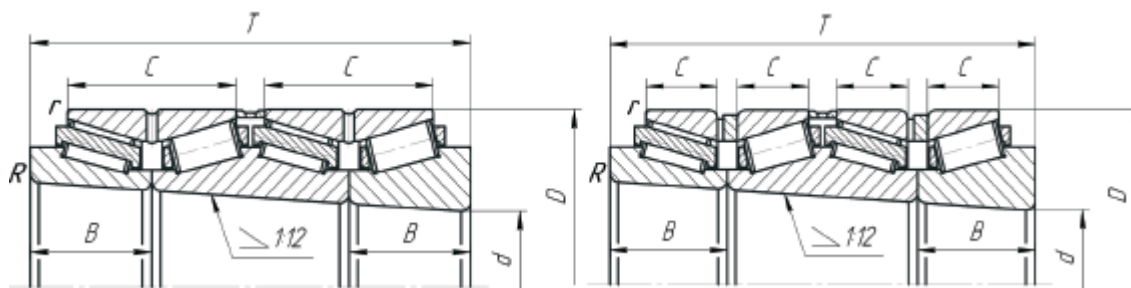
777/660M	660	1070	648	312	135	16472	40390		7.5	7.5	2233
10777/670M	670	1090	708	342	135	18162	46854		7.5	7.5	2654
10777/670M1	670	1090	708	342	135	18162	46854		7.5	7.5	2654
10777/670M2	670	1090	708	342	135	18162	46854		7.5	7.5	2654
777/750	750	1130	688	330	130	17290	49699		7.5	7.5	2480
777/750M	750	1130	688	330	130	17290	49699		7.5	7.5	2480
10777/750M	750	1220	838	405	170	25119	68498		9.5	9.5	3917
10777/850XM	850	1360	910	440	182	28142	78009		12	12	5208

Radial-thrust roller bearings with taper rollers and assembled retainer



Bearing Type	Dimensions, mm					Bearing Capacity		N_{limit} (min^{-1})	Bevel Radius		Weight, kg	Drawing No.
	d	D	T	B	C	C (kN)	Co (kN)		R_{min} , mm	r_{min} , mm		
6-787756XM	280	420	278.5	130	52	2635	6625	520	1.3	3.7	133	1
6H-787756XM	280	420	278.5	130	52	2635	6625	520	1.3	3.7	133	1
777/431M	431.8	571.5	336.55	161.9	66.675	3819	11933		8.7	8.7	229.5	2
6-777/431M	431.8	571.5	336.55	161.9	66.675	3819	11933		8.7	8.7	229.5	2
777/431XM1	431.8	571.5	336.55	161.9	66.675	3819	11933		8.7	8.7	229.5	2
777/431TM1	431.8	571.5	336.55	161.9	66.675	3819	11933		8.7	8.7	229.5	2
6-787196XM	480	700	418.5	196	80	6551	17891		6	8	528	2
6-787196XKM	480	700	418.5	200	80	6551	17891		6	8	524	2

Four-row radial-thrust roller bearings with taper rollers and taper bore inner ring



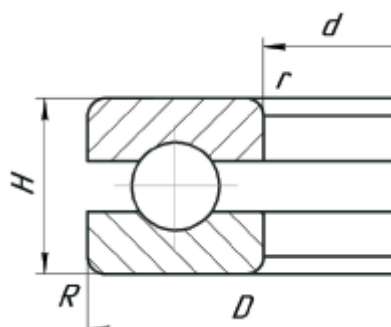
Drawing 1

Drawing 2

Bearing Type	Dimensions, mm					Bearing Capacity		N_{limit} (min^{-1})	Bevel Radius		Weight, kg	Drawing No.
	d	D	T	B	C	C (kN)	Co (kN)		R_{min} , mm	r_{min} , mm		
477752	260	440	328.5	87	128	2759	6583	500	3.7	1.3	195	1
6-477752XM	260	440	328.5	87	128	2759	6583	500	3.7	1.3	195	1
6-477752ЛМ	260	440	328.5	87	128	2759	6583	500	3.7	1.3	195	1
6-477752ХЛМ	260	440	328.5	87	128	2759	6583	500	3.7	1.3	195	1
6-477756XM	280	420	278.5	72	105	2311	5875	500	3.7	1.3	141	1
6-577768XM	340	520	398.5	103	70	4005	10629		4.7	1.8	282	2
6-577796XM	480	700	418.5	110	77	5443	15357		6	2.5	492	2
6-577796XM2	480	700	418.5	110	77	5900	17160		6	2.5	511	2*
6-577796XP32	480	700	418.5	110	77	5900	17160		6	2.5	511	2*

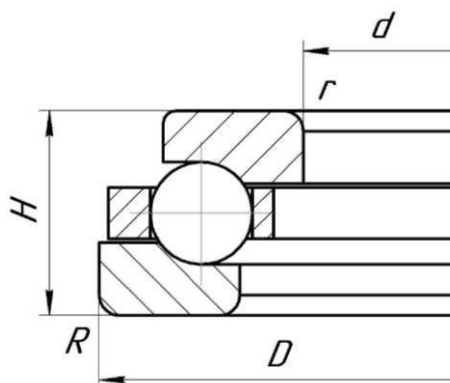
* Assembled retainer on thrust pads

Ball thrust bearings



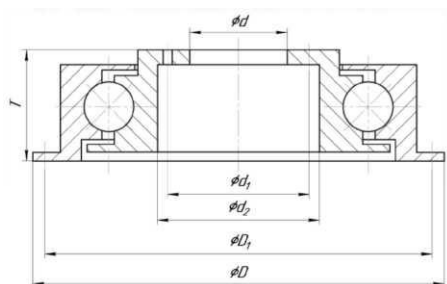
International Code	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg	Drawing No.
	d	D	H	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm		
8292Г	460	620	130	899.8	5230			118	1
78682/710	710	950	109					184	1
351006A	1250	1500	150	1430	16000	6	6	430	1

Angular contact ball bearings



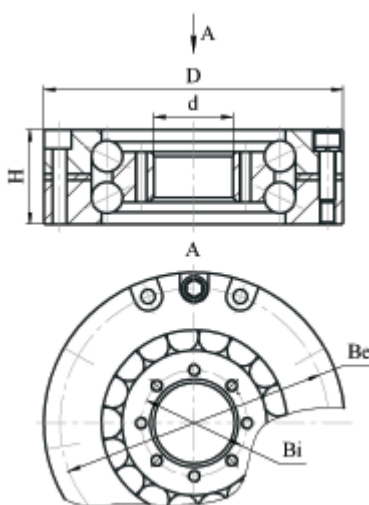
Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg
	d	D	B	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
168762	310	510	100	4275	3214	2.3	2.3	55.5
31688 / 630XK	630	780	112	4000	5190	4	4	96.4
91682/641XK	641.35	793.75	88.9	580	4150	6	6	79.6
91682 / 670XK	670	900	140	7327	8137	6	6	183
1688/770X	770	900	90	374	3146			92.5
99-2550	2045	2215	100	575	2282	3	3	430

Purpose-built single-row angular contact ball bearings



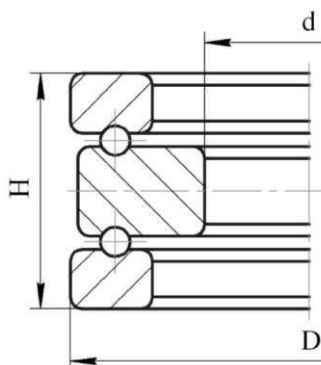
International Code	Dimensions, mm						Bearing Capacity		Weight, kg
	d	d1	d2	D	D1	T	C (kN)	Co (kN)	
198 / 1094	984	1012	1055	1198	1170	56	226	738	72.9

Double-row angular contact ball bearings



Bearing Type	Dimensions, mm					Bearing Capacity		Bevel Radius		Weight, kg
	d	D	H	Bi	Be	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
38MP225.10.00	1190	1330	60	1210	1310	480	2188	2.5	2.5	91.7

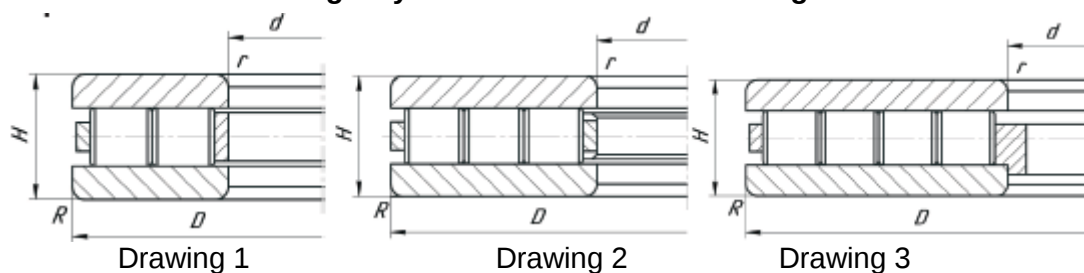
Duplex ball thrust bearings



Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg
	d	D	H	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
8944.53.81.450	705	760	78,84	172	1152	4	4	41.8

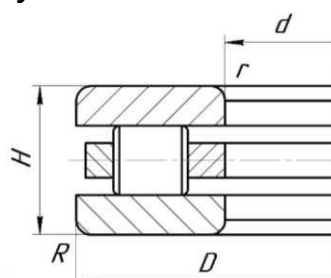
THRUST/ RADIAL THRUST ROLLER BEARINGS

Single cylindrical roller thrust bearings



Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg	Drawing No.
	d	D	H	C (kN)	Co (kN)	R_{min} , mm	r_{min} , mm		
889736	180	300	73	992.7	1883	3	3	22.5	1
889752X1	260	540	132	4199	7910	8	6	172.7	2
889852X1	260	580	145	5386	10139	8	6	214	2
889764X	320	900	230	13937	27970	7.5	7.5	860	3
889764XK	320	900	230	13937	27970	7.5	7.5	860	3
889764XK1	320	900	230	13937	27970	7.5	7.5	860	3
9889468	340	620	170	5193	9417	10	7.5	246	2
9889468K	340	620	170	5193	9417	10	7.5	246	2
9009580X	400	850	272	9159	17669	12	12	830	1
9889492K	460	800	206	5944	15181	9.5	9.5	505	2
9889492X	460	800	206	5944	15181	9.5	9.5	505	2
9889492X1	460	800	206	5943	15181	9.5	9.5	505	2

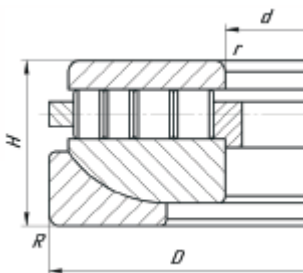
Single cylindrical roller thrust bearings



Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg
	d	D	H	C (kN)	Co (kN)	R_{min} , mm	r_{min} , mm	
8097/1800X	1800	1950	160	2142	22350	3.7	3.7	532
9809352*	260	420	95	1225	6060	4.7	4.7	57.1

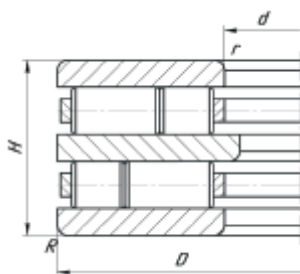
* Split-type retainer and rings

Single cylindrical roller thrust bearings with internal spherical ring

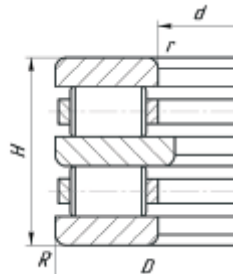


Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg
	d	D	H	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
969961	305	455	110	1273	3296	3	3	68

Duplex cylindrical roller thrust bearings



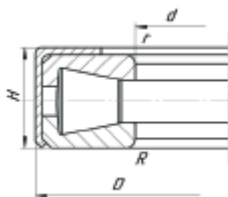
Drawing 1



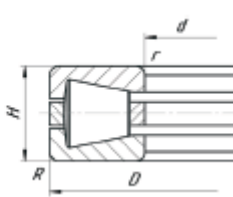
Drawing 2

Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg	Drawing No.
	d	D	H	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm		
89739K	155	280	105	1380	2550	2.5	2.5	26.3	1
89752K	220	370	140	2400	4800	2	2	57	1
89764K	270	430	165	3350	7500	2	2	82.3	1
597/750	710	950	290	5200	10600	6	6	648	2

Single cylindrical roller thrust bearings with taper rollers



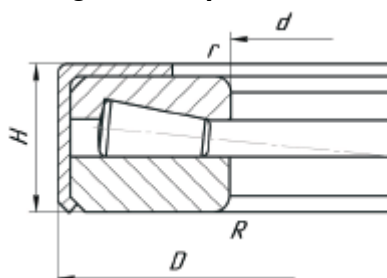
Drawing 1



Drawing 2

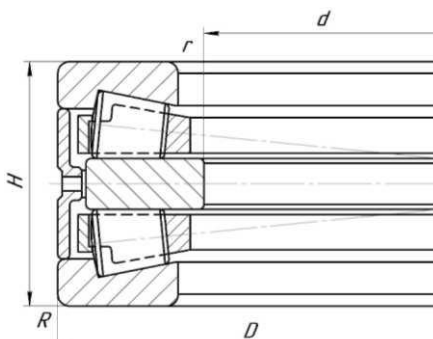
Bearing Type	International Code	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg	Drawing No.
		d	D	H	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm		
29903K		16	41.3	12.7	29.8	60.1	1		0.087	1
29908K1		38.4	72.9	21.34	90	227.6	1.3		0.393	1
9019436		180	360	109	1570	6466			55.4	2
6-19744XY	351148B	220	500	125	3700	8092	7.5	2.3	133.5	2
9019452A		260	480	132	3772	7111	6	6	110	2
6-19752XY		260	580	145	4938	11050	9.5	3	217.9	2
6-19760XY		300	670	170	6522	15074	7.5	7.5	342	2
9019464K		320	580	155	4302	7701	7.5	7.5	191	2
9019476K		380	670	175	5397	10175	7.5	7.5	285	2

Roller thrust bearings with taper rollers and outside band



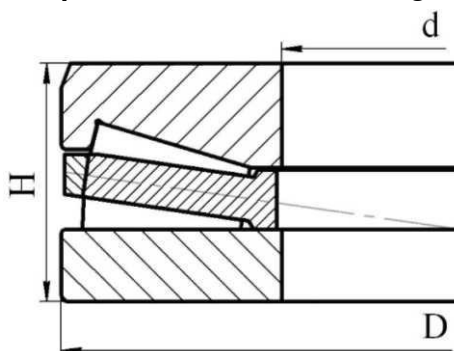
Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius R min, mm	Weight, kg
	d	D	H	C (kN)	Co (kN)		
29910K	50	78.6	17.5	91.2	157	1	0.333
229910K	50.2	81	15.9	105	371	1	0.337
229910K1C17	50.2	81	15.9	105	371	1	0.337

Duplex roller thrust bearings with taper rollers



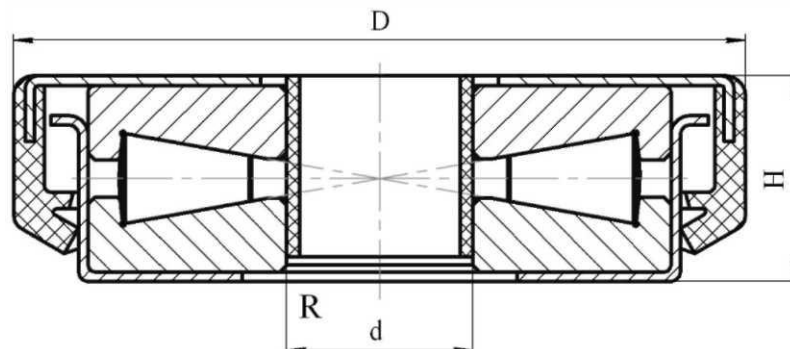
Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg
	d	D	H	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
189757M	285	420	110	985	5170	1.5	1.5	55
189772XM	360	520	136	1397	7450	2.5	2.5	98
189878M	390	560	145	1667	9110	2.5	8	120
189892M	460	660	172	2253	12590	3	8	199
749794Л	470	720	210	3414	17635	2.3	3.7	311

Tapered roller thrust bearings



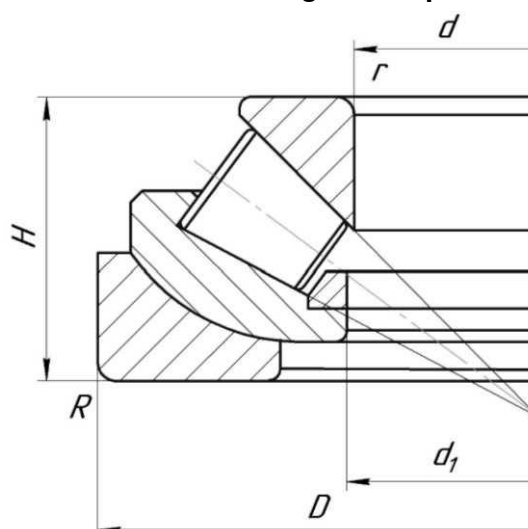
Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius		Weight, kg
	d	D	H	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm	
49742	210	460	150	3107	11290	12	12	139.7
49768X	320	640	140	6670	19410			291
49868X	340	800	175					587

Cartridge-type tapered roller thrust bearing



Bearing Type	Dimensions, mm			Bearing Capacity		Bevel Radius	Weight, kg
	d	D	H	C (kN)	Co (kN)	Rmin, MM	
229910K	50.2	86.5	17.5	105	371	1	0.337
229910K1C17	50.2	86.5	17.5	105	371	1	0.337

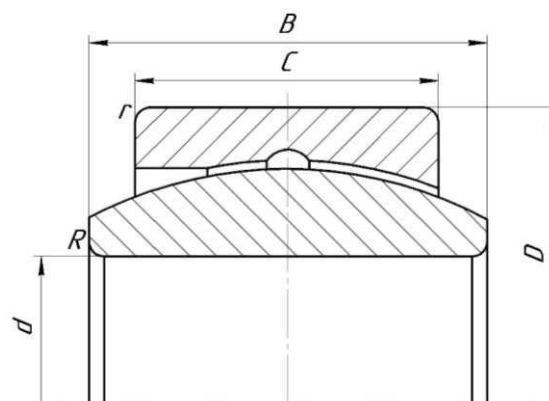
Radial-thrust roller bearings with spherical seat



Bearing Type	Dimensions, mm				Bearing Capacity		Bevel Radius	
	d	d1	D	H	C (kN)	Co (kN)	R _{min} , mm	r _{min} , mm
969452A	260	261	480	132	1273	3296	6	6

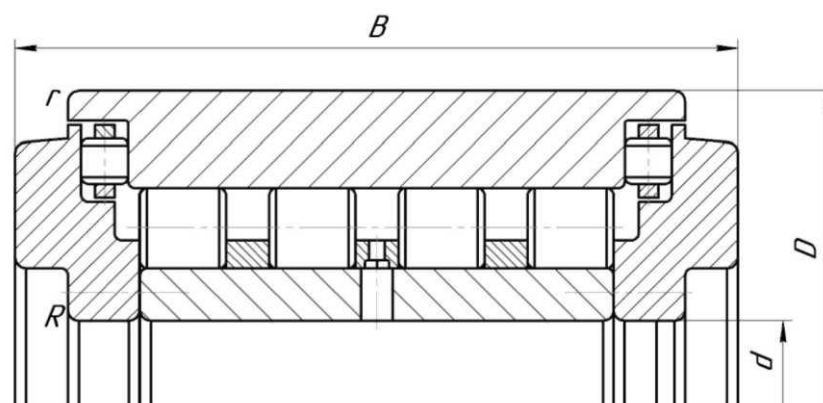
COMBINED BEARINGS

Joint-type bearings

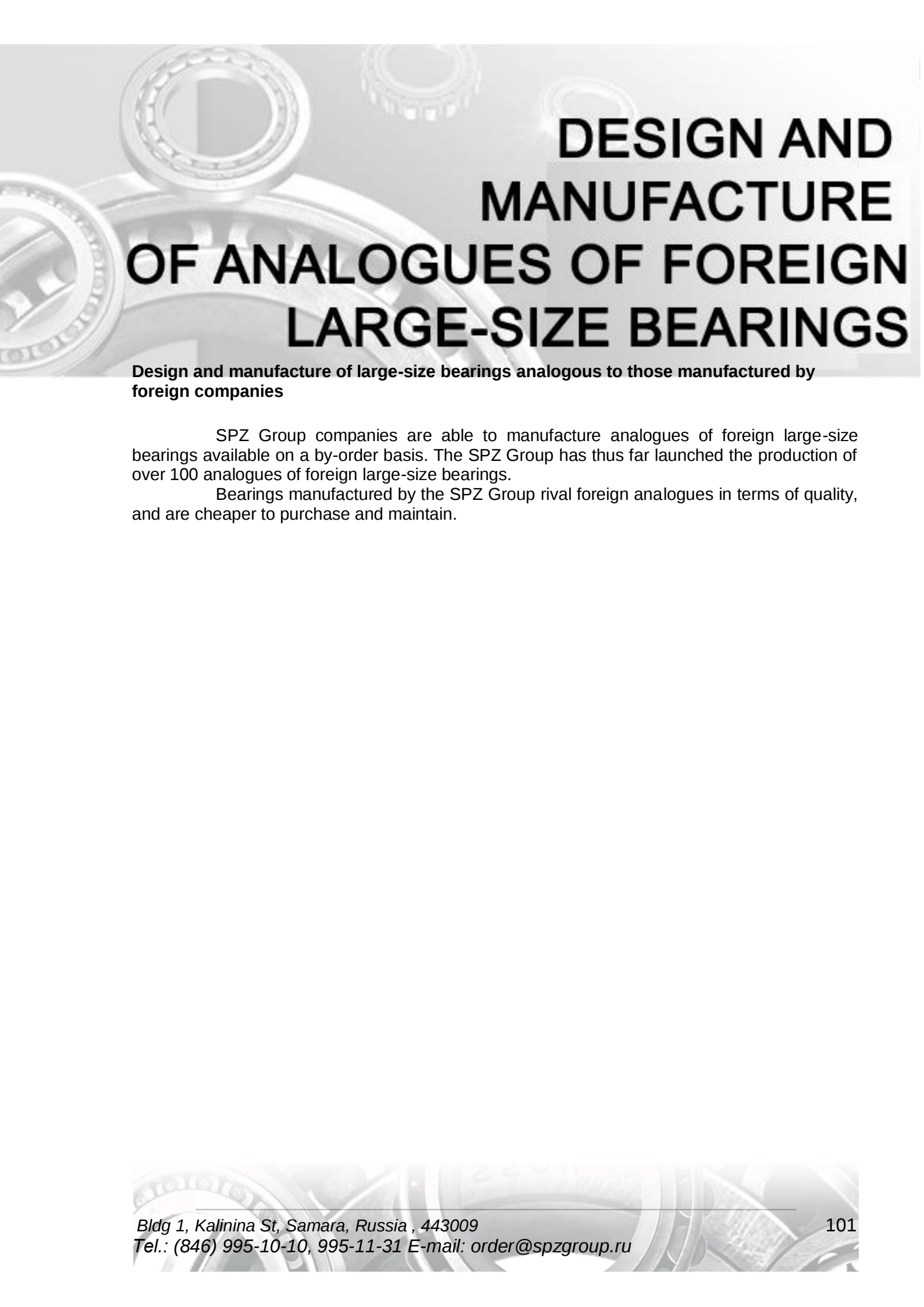


Bearing Type	Dimensions, mm				Bevel Radius		Weight, kg
	d	D	B	C	R_{min} , mm	r_{min} , mm	
1-ШС160К	160	230	105	80	2.5	2	13.5
1-СШС320К1	320	440	160	135	1.1	3	78

Combined cylindrical roller bearings with short rollers



Bearing Type	Dimensions, mm			Bevel Radius		Weight, kg		Bearing Type
	d	D	B	C (kN)	Co (kN)	R_{min} , mm	r_{min} , mm	
612888K	440	800	512	7835	21250	1.8	3.7	1223



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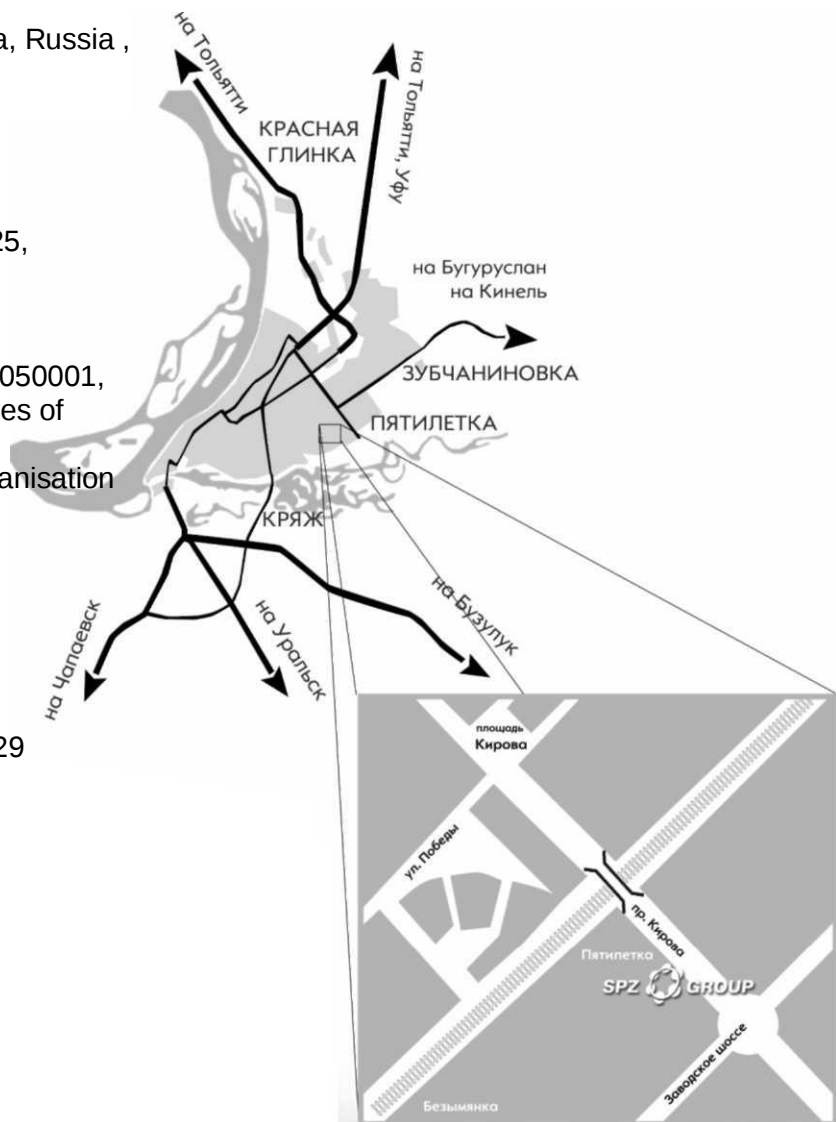
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The range of services offered by Service Department personnel comprise the following:

- Annual monitoring of equipment health and bearing assemblies in use, as approved by the Managing Director,
- Help in installing pilot production batches of upgraded or newly launched bearings and controlling performance thereof,
- Developing specific construction solutions for customers' engineering teams to replace large-size bearings of foreign manufacture with SPZ OJSC analogues, while adhering to required operation specifications,
- Providing operation departments with specific procedures for large-size bearing installation, maintenance and repairs,
- Keeping a database for applicability of large-size bearings to units and devices of equipment used.
- On-the-spot analysis of causes of premature failure with bearings that have not reached the end of their service life, and providing recommendations to eliminate factors that may affect their durability.

Service Department Personnel are highly skilled and efficient engineers committed to total customer satisfaction and to improving the quality, reliability and durability of our bearings. Meetings held regularly on customers' premises provide the best service for our customers' needs and practical solutions to the most challenging bearing-related problems. The Customer Service Department does not specialise in sales of bearings. All meetings with customers are prearranged and consumer-plant departments are notified in advance.

SPZ OJSC Service Department

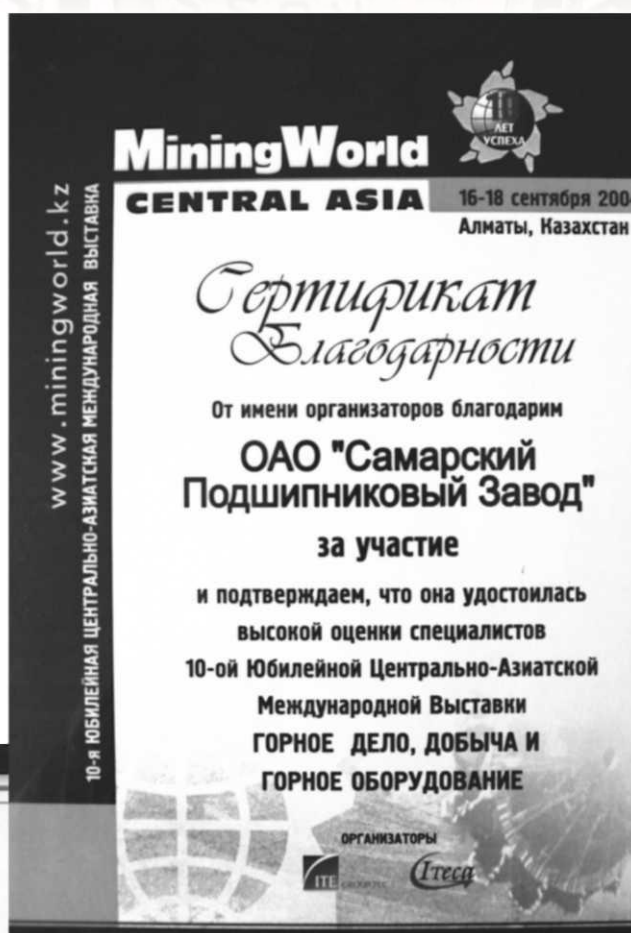
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