

KINEX

120  
anniversary



## KINEX BEARINGS

Manufacturer of Premium Bearings  
and Open End Spinning Spares



## Slovakia, Bytča (HQ)

Total land area: 86 336 m<sup>2</sup>  
Production area: 41 659 m<sup>2</sup>  
Established: 1906

## Slovakia, Kysucké Nové Mesto

Total land area: 97 713 m<sup>2</sup>  
Production area: 63 571 m<sup>2</sup>  
Established: 1948



## HISTORICAL MILESTONES

- 1906 > **KINEX, a.s.**  
foundation of the plant in Bytča, beginning of the engineering production „Povazsky zelezopriemysel“
- 1948 > **KINEX- KLF, a.s.**  
foundation of the plant in Kysucké Nove Mesto
- 1950 > **Production of balls and ball bearings**  
the first produced bearing in Slovakia was 6204 type
- 1953 > **Production of rollers and cylindrical roller bearings**  
single-row cylindrical roller bearings
- 1959 > **Production of railway bearings**  
single-row cylindrical roller bearings for railway vehicles
- 1964 > **Production of aerospace bearings**  
for various aerospace industry applications
- 1968 > **Production of textile industry bearings**  
special double-row ball bearings
- 1978 > **Production of water pump bearings**  
special double-row bearings
- 1987 > **Production of bottom bracket bearings**  
special double-row bearings
- 2005 > **KINEX BEARINGS, a.s.**  
foundation of a trading company
- 2009 > **New aerospace bearings production area**  
realized in Bytča plant
- 2013 > **KINEX Trading (Shanghai) Co., Ltd**  
foundation of a subsidiary in China
- 2016 > **Merger of companies**  
KINEX BEARINGS, a.s., KINEX - KLF, a.s. and KINEX, a.s. merge into KINEX BEARINGS, a.s.
- 2016 > **Production of engineering components**  
foundation of Machinery division
- 2020 > **CK Birla Group**  
KINEX BEARINGS enters international industrial group

## KINEX TEXTILE BEARINGS AND ROTOR SPINDLES

Wide assortment of KINEX rolling bearings include special rolling bearings for textile machinery. The beginning of special rolling bearings production for textile industry goes back to 1968. KINEX BEARINGS currently belongs among the leaders in supplying of special bearings for textile machinery in Europe and other countries of the world. With historical brand KINEX, we have more than 100 years of experience in the engineering segment.

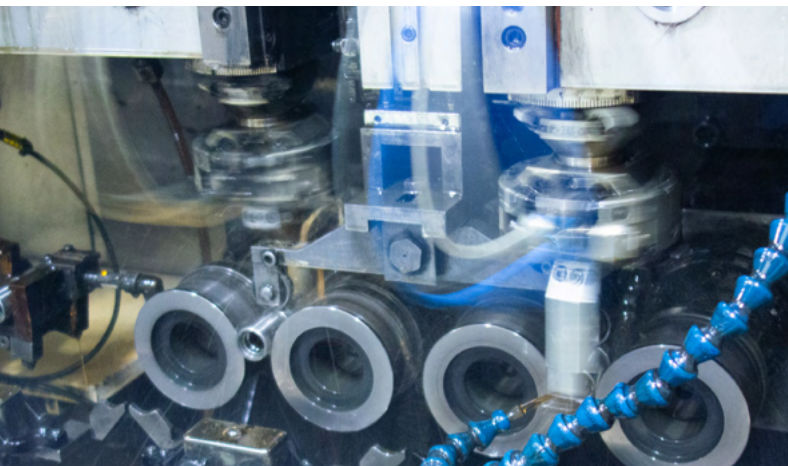
The development of special bearings for textile industry hangs together with a solution of arrangements of the most important parts in the textile machines but also for measuring instruments. Special double row ball bearings for textile machines are designed for high rotational speeds and relatively light load. They are known for their high dimensional accuracy and smoothed run warranting their high effectiveness. These bearings are supplied according to customer demand complemented with some other components, e. g. resilient mounting.

### Application of bearings

**Wide assortment of KINEX textile bearings and spindles are used:**

- used for open end spinning rotor application
- in non - spindle spinning machines
- by housing a bearing of spinning chamber and of a card hackling disk
- press pulley bearings
- in arrangements of textile spindles, in texturing machines





## Grinding and Superfinishing of Bearings

Grinding and superfinishing of bearings are critical precision processes that enhance the surface finish, dimensional accuracy, and overall performance of the components. These techniques ensure reduced friction, improved wear resistance, and extended operational life.

## Inspection of Bearings

Inspection of bearings ensures quality, reliability, and performance by identifying defects, measuring tolerances, and verifying compliance with specifications.



## Bearing run-in

Controlled process that ensures optimal performance by evenly distributing lubrication, reducing initial friction, and stabilizing operating conditions.



## Quality Labs

Quality labs are specialized facilities equipped to conduct rigorous testing and analysis, ensuring products meet stringent standards and performance criteria.



## Cups Machining and Inspection Process

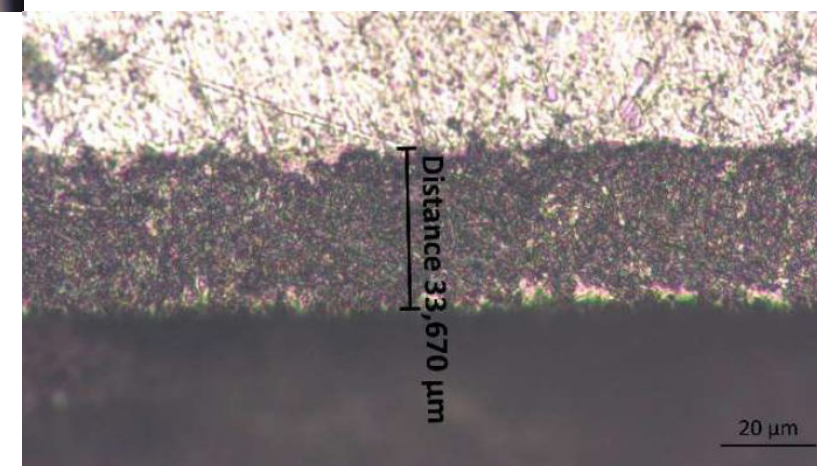
KINEX produces rotor cups for the textile segment customer which are made with high grade of raw material and machined in KINEX Slovakia with the latest technology of multi-axis CNC machines.



These cups are machined up to a tolerance of even 5  $\mu\text{m}$  and they are inspected in the high-tech quality laboratory of KINEX which controls the dimensions, geometry and the surface parameters of the cups. The quality of these cups is suitable to provide longer life of the rotor cups. KINEX rotor cups are suitable to produce yarns from a wide range of fibres and can produce yarn from count Ne 2 to Ne 40.

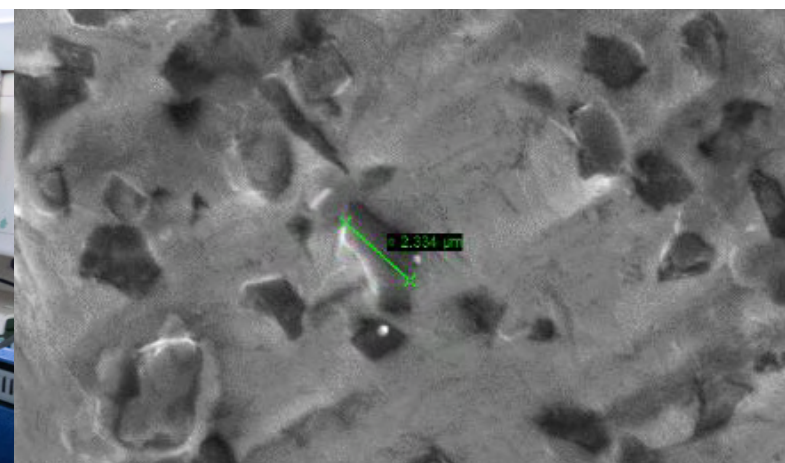
## Cups Coating Thickness and Diamond Matrix in Coating

All the KINEX cups are coated with Diamond or Diamond Nickel. Our cups have a coating thickness of 25  $\mu\text{m}$  to 35  $\mu\text{m}$  depending on the type of cups and its application. These high wear-resistance coating provide extended life to the cups in even the most harsh types of fibres & blends including recycled cotton, viscose, polyester, PET fibre etc.



## Thickness of Coating in DN Coated Cups

These Diamond or Diamond Nickel coating provide the best price to life ratio to the users and so these are the most cost effective products for OE spinning. Our cups have an extra smooth surface which results in minimum yarn breakage even at high speeds.



## ROTOR CUPS NOMENCLATURE

### Aluminium Cups

### Marking

► Suitable for Saurer BD 3XX, 4XX, BD 6/7/8, Taitan T8F 3XX, TQF 5XX, TQF K80, RIFA RSXX and all new gen machines



**Cup groove shape**  
T / Z / R / U / L  
Groove types



**Cup groove diameter**  
in mm



**Type of coating (coated in Germany)**  
D - diamond coated  
DN - diamond coated and nickelised  
E - elox / anodized

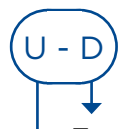
► Suitable for RIETER BT 9XX, R3X and RIFA RSXX machines



**Type of adapter**



**Cup groove diameter**  
in mm



**Type of coating**  
D - diamond coated  
**Cup groove shape**

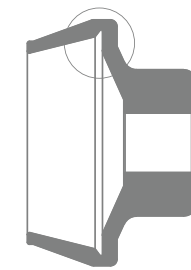
### Special Alloy Cups

- Optimized design for low weight
- Offered in T, R & Z Grooves
- Available in Diamond (D) and Diamond Nickel (DN) coating
- Suitable for all types of Yarn



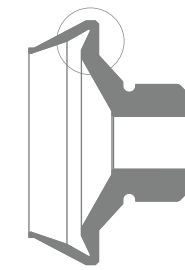
## TYPES OF GROOVE IN ROTOR CUPS

### Cups Internal Geometry



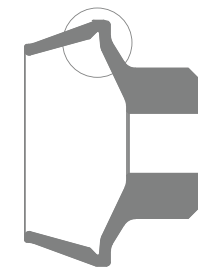
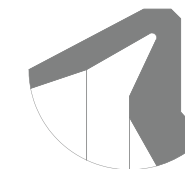
#### T Groove

- universally applicable
- good yarn values
- for smooth yarns
- no tendency to random point-like contamination of the rotor groove
- less moiré faults
- compact yarn
- high yarn strength



#### Z Groove

- universally applicable
- very good spinning stability
- for bulky yarns
- clean cotton
- tendency to moiré faults



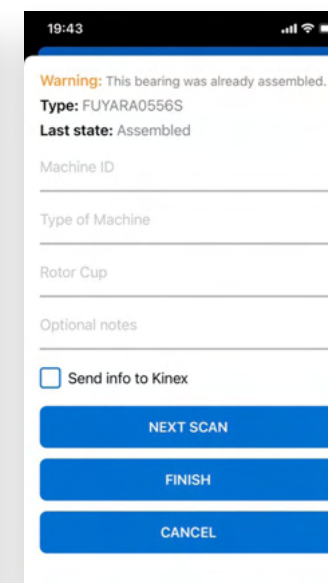
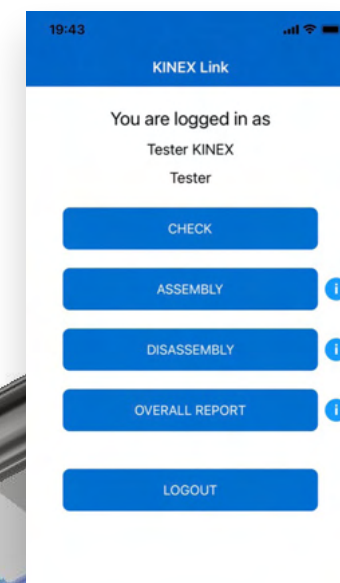
#### U or R Groove

- preferably Ne 10 and coarser
- high yarn bulk
- relatively irregular yarn
- low snarling tendency



► Our rotor cups are produced in various types of grooves based on customer requirement and the raw material fibres used by them. KINEX produces grooves in various groove angles and end radius which help in smooth flow of the fibre and results in high CSP of yarn. Our high demand types of cup grooves are T, Z, and U type. However we also offer special R, L and V type groove based on the demand from customers.

## KINEX LINK APPLICATION - Check the authenticity of bearings



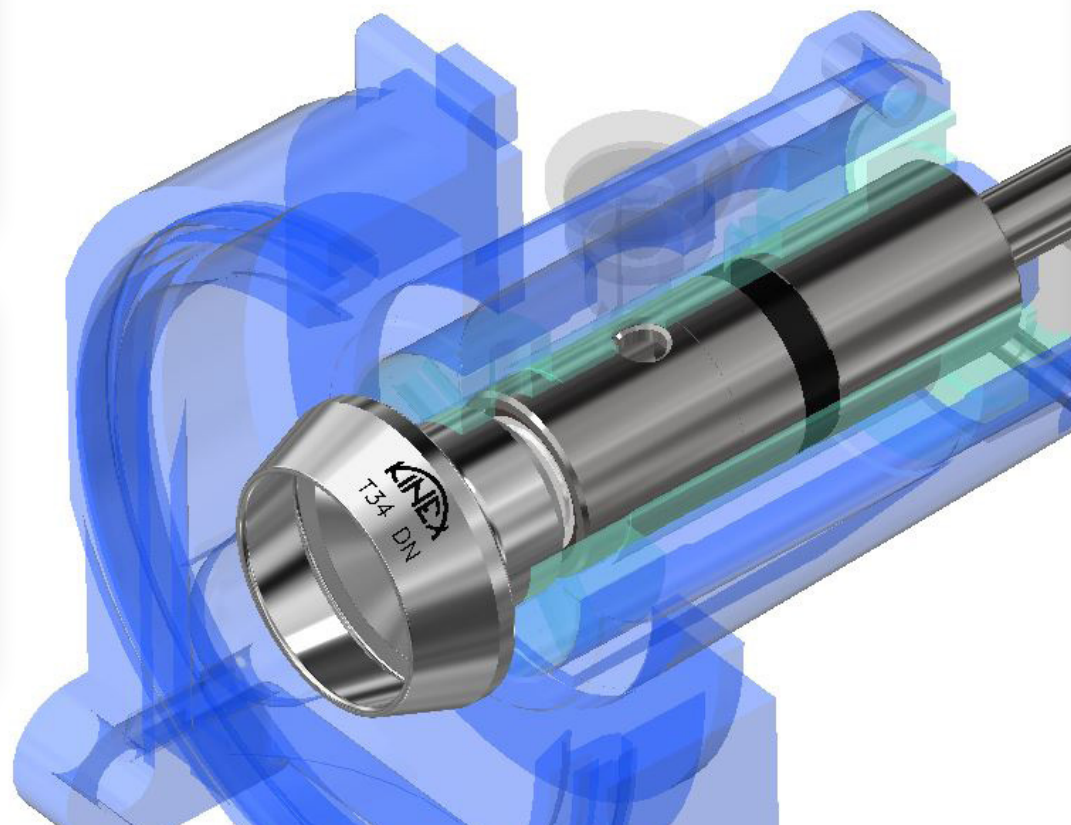
► KINEX Link enables the authentication of bearings made by KINEX BEARINGS for the textile industry. It is an easy to use application and offers great protection against counterfeit bearings.

In addition, KINEX Link is able to track the bearing life cycle in a customer company. It can save the information about the assembly process (Machine ID, Rotor cup, etc.) and also cause of the disassembly (Re-lubrication, Lifespan end, etc.).

At any point in time, the customer is able to get a report of one specific bearing or an overall report for all bearings in the KINEX Link database assigned to the customer's account.

### KINEX Link functions:

- Check the authenticity of the textile bearings using a QR code
- Keep track of the bearings – assembly and disassembly process
- Receive a specific bearing report or all bearings report in the KINEX Link database for a specific customer



ROTORS FOR SAURER OE MACHINES



For: New Generation Machines

► For machine type:  
Saurer BD 3XX, BD 4XX,  
BD6, BD7 & BD8



Bearing

Cup

| Bearing               | RPM<br>min <sup>-1</sup> | Rotor Cup Type (without holes) |
|-----------------------|--------------------------|--------------------------------|
| 73-1-22               | 25 000 - 45 000          | Z66DN                          |
|                       | 40 000 - 60 000          | Z54DN                          |
|                       | 40 000 - 60 000          | T50DN                          |
| 73-1-31 / T004 / T088 | 55 000 - 75 000          | T 46DN                         |
|                       | 55 000 - 75 000          | T43 DN                         |
|                       | 60 000 - 80 000          | T40DN                          |
|                       | 75 000 - 105 000         | T34D                           |
| T010 / T090           | 75 000 - 105 000         | T34DN                          |
|                       | 75 000 - 105 000         | R34DN                          |
|                       | 105 000 - 110 000        | T34DN                          |
| FUYARA / T100         |                          |                                |

► KINEX BEARINGS is also able to supply various types of rotor cups with the above mentioned bearings suitable for a wide range of rpm and yarn types. If you have special request for rotor cup, please inform us the type, diameter and surface treatment of it.



ROTORS FOR RIETER OE MACHINES

For: New Generation Machines

► For machine type:  
Rieter BT 923, R 923,  
R35, R36 & R37 OE



Bearing

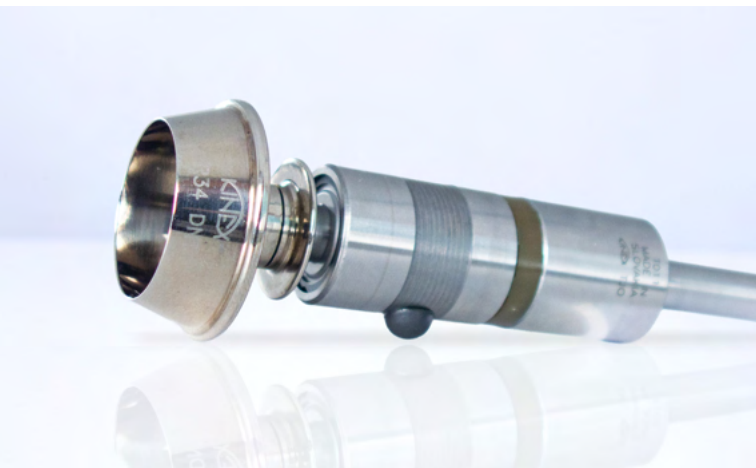
Cup

| Bearing                                | RPM<br>min <sup>-1</sup> | Rotor Cup Type (without holes) |
|----------------------------------------|--------------------------|--------------------------------|
| 73-1-52 / 73-1-50                      | 40 000 - 60 000          | C254 U-D / S254 U-D            |
|                                        | 60 000 - 75 000          | C341 U-D / S341 U-D / S341 T-D |
|                                        | 65 000 - 85 000          | C338 U-D / S338 U-D            |
| T013 / 72-11 / T012<br>72-8-6 / 72-8-8 | 75 000 - 95 000          | C536 U-D / S536 U-D            |
|                                        | 80 000 - 105 000         | S534 T-D                       |
|                                        | 80 000 - 105 000         | C533 U-D / S533 U-D            |
|                                        | 80 000 - 105 000         | C533 Tr-D / S533 Tr-D          |

► KINEX BEARINGS can offer a wide range of rotor completes according to customer demand. If you have special request for rotor cup, please inform us the type, diameter and surface treatment of it.



ROTORS FOR TAITAN & RIFA OE MACHINES



ROTORS FOR OLD GENERATION  
OE MACHINES

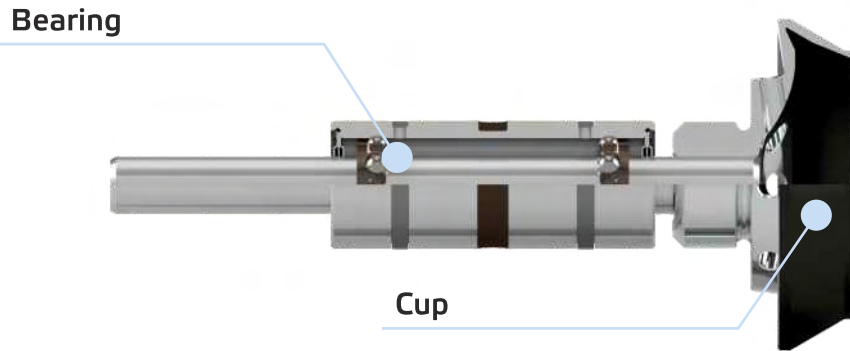
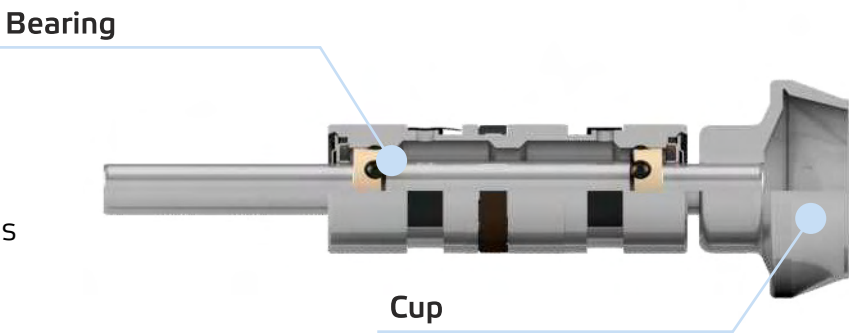


For: Old Generation Machines

- For machine type:  
Elitex BD 200 RCE / RN / SN / S,  
BD SD / D1 / D2  
Rieter BD A 10 / 20, BT 902 / 903

For: Taitan & Rifa OE Machines

- For machine type:  
Rifa RS51, RS30-D  
and RSXX machines  
Taitan TQF 368 / 568 / K-80 machines



| Bearing                      | RPM<br>min <sup>-1</sup> | Rotor Cup Type (without holes) |
|------------------------------|--------------------------|--------------------------------|
| 73-1-22 / 73-1-31            | 25 000 - 45 000          | Z66-DN/ T66-DN                 |
|                              | 40 000 - 60 000          | Z54-DN/ T54-DN/ L54-DN         |
| 73-1-31 / T004 / T086 / T088 | 55 000 - 75 000          | T46-DN                         |
|                              | 55 000 - 75 000          | T43-DN/ Z43-DN                 |
|                              | 60 000 - 80 000          | T42-DN/ T42-DNTi               |
|                              | 60 000 - 80 000          | T40-DN/ T40-DNTi               |
| T010 / T090 / T100           | 75 000 - 105 000         | T34-D/ T34-DTi                 |
|                              | 75 000 - 105 000         | T34-DN/ T34-DNTi               |
|                              | 75 000 - 105 000         | R34-DN/ R34-DNTi               |
|                              | 75 000 - 105 000         | T33-D/ T33-DTi                 |

| Bearing | RPM<br>min <sup>-1</sup> | Rotor Cup Type (with holes) | Note |
|---------|--------------------------|-----------------------------|------|
| 73-1-22 | 25 000 - 45 000          | E 66 Butterfly              |      |
|         | 25 000 - 45 000          | E66                         |      |
|         | 40 000 - 60 000          | E 54 Butterfly              |      |
| 73-1-31 | 40 000 - 60 000          | E 54                        |      |
|         | 55 000 - 75 000          | E 43                        | *    |
|         | 60 000 - 80 000          | E 40                        | *    |
| 72-6    | 55 000 - 75 000          | E 43                        | *    |
|         | 70 000 - 90 000          | E 36                        | *    |

\* Also available in DN coating

► KINEX BEARINGS can offer a wide range of rotor completes according to customer demand. If you have special request for rotor cup, please inform us the type, diameter and surface treatment of it.



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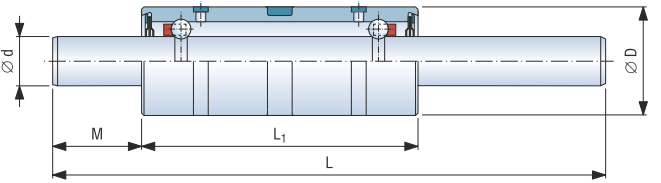


ROTOR SPINDLES

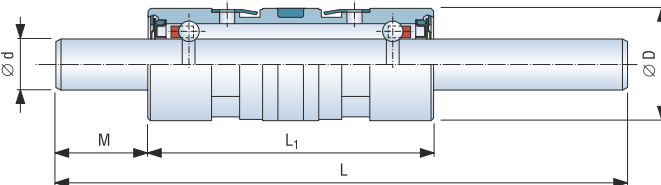
Rotor Applications Up to 90.000 RPM



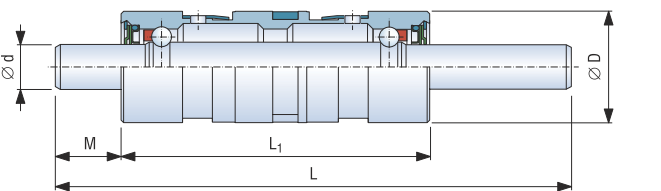
> Type: 73-1-22



> Type: T 004



> Type: 72-6



| Designation | ØD | Ød  | L   | L <sub>1</sub> | M  | Operating speed   | Limited speed **  | Relubrication hole | Note |
|-------------|----|-----|-----|----------------|----|-------------------|-------------------|--------------------|------|
|             | mm |     |     |                |    | min <sup>-1</sup> | min <sup>-1</sup> |                    |      |
| 73-1-22     | 22 | 10  | 112 | 56             | 18 | 55 000            | 60 000            | Yes                | *    |
| T004        | 22 | 10  | 112 | 56             | 18 | 75 000            | 80 000            | Yes                |      |
| 72-6        | 22 | 8,9 | 112 | 61             | 13 | 85 000            | 90 000            | Yes                | *    |
| 73-1-31     | 22 | 10  | 22  | 22             | 18 | 75 000            | 80 000            | Yes                |      |
| T086        | 22 | 8,9 | 22  | 22             | 18 | 75 000            | 80 000            | Yes                | ***  |
| T088        | 22 | 8,9 | 22  | 22             | 18 | 75 000            | 80 000            | Yes                |      |

\* The deviations from the specification in the picture are noticed in the drawings

\*\* If using any max speed limit for short-term textile-technological test, it is necessary to discuss with the original parts supplier

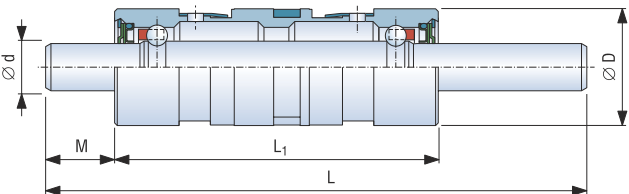
\*\*\* T086 has 10 mm shaft on cups side and 8.9 mm shaft on cup side

ROTOR SPINDLES

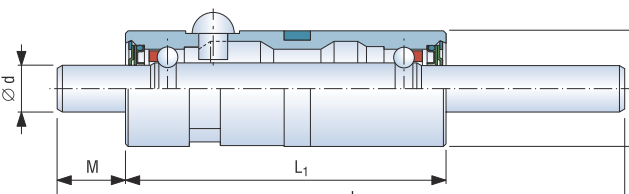
Rotor Applications Up to 115.000 RPM



> Type: T 010



> Type: T 013



| Designation | ØD | Ød  | L   | L <sub>1</sub> | M  | Ceramic Balls | Operating speed   | Limited speed **  | Relubrication hole | Note |
|-------------|----|-----|-----|----------------|----|---------------|-------------------|-------------------|--------------------|------|
|             | mm |     |     |                |    |               | min <sup>-1</sup> | min <sup>-1</sup> |                    |      |
| T010        | 22 | 8.9 | 112 | 61             | 13 | Yes           | 100 000           | 105 000           | Yes                | *    |
| T013        | 22 | 8.9 | 108 | 61             | 13 | Yes           | 100 000           | 105 000           | Yes                | *    |
| 72-11       | 22 | 8.9 | 108 | 61             | 13 | Yes           | 100 000           | 105 000           | Yes                |      |
| T090        | 22 | 8.9 | 112 | 61             | 13 | No            | 85 000            | 90 000            | Yes                |      |
| FUYARA      | 22 | 8.9 | 112 | 61             | 13 | Yes           | 105 000           | 110 000           | Yes                | ***  |
| T100        | 22 | 8.9 | 112 | 61             | 13 | Yes           | 105 000           | 110 000           | Yes                |      |
| 72-8-6      | 22 | 8.9 | 108 | 61             | 13 | Yes           | 105 000           | 110 000           | Yes                |      |
| 72-8-8      | 22 | 8.9 | 108 | 61             | 13 | Yes           | 110 000           | 115 000           | Yes                |      |

\* The deviations from the specification in the picture are noticed in the drawings

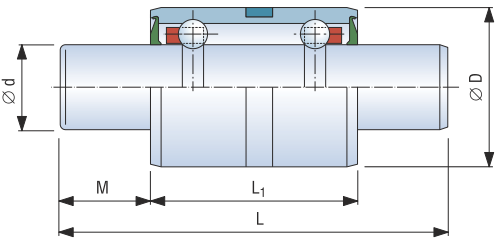
\*\* If using any max speed limit for short-term textile-technological test, it is necessary to discuss with the original parts supplier

\*\*\* FUYARA Bearing has Single Hole Lubrication

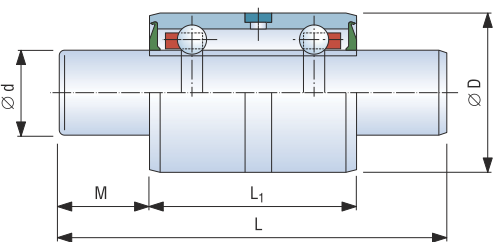
OPENING ROLLER BEARINGS



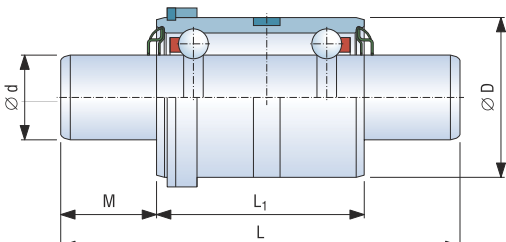
► Type: 76-3, 76-3KK



► Type: 76-3-7, 76-3-7KK



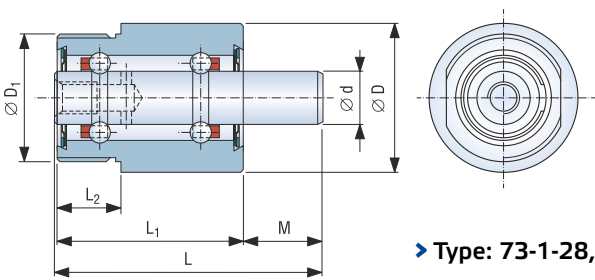
► Type: T 763, 76-3-16, 76-3-17



| Designation | $\varnothing D$ | $\varnothing d$ | L  | $L_1$ | M    | $d_1$ | Operating speed   | Relubrication hole | Note       |
|-------------|-----------------|-----------------|----|-------|------|-------|-------------------|--------------------|------------|
|             |                 |                 | mm |       |      |       | min <sup>-1</sup> |                    |            |
| 76-3        | 30              | 16              | 73 | 39    | 16.9 | -     | 10 000            | No                 |            |
| 76-3KK      | 30              | 16              | 73 | 39    | 16.9 | -     | 10 000            | No                 | metal seal |
| 76-3-7      | 30              | 16              | 73 | 39    | 16.9 | -     | 10 000            | Yes                |            |
| 76-3-7KK    | 30              | 16              | 73 | 39    | 16.9 | -     | 10 000            | Yes                | metal seal |
| T763        | 30              | 16              | 73 | 39    | 16.9 | -     | 10 000            | No                 | metal seal |
| 76-3-16     | 30              | 16              | 80 | 39    | 24   | -     | 10 000            | Yes                | metal seal |
| 76-3-17     | 30              | 16              | 80 | 39    | 24   | -     | 10 000            | Yes                | metal seal |

► KINEX BEARINGS is also able to supply premium quality opening rollers in various types of wires like OK40-DN, OK61-DN, OS21-DN suitable as per customer needs in heads and completes

PRESS PULLEY BEARINGS



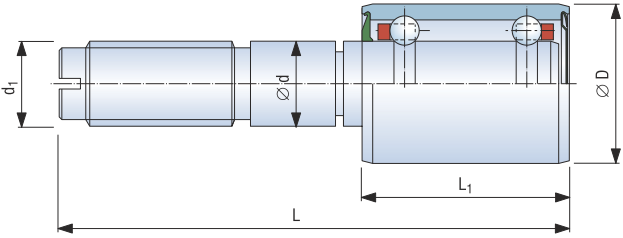
► Type: 73-1-28, 73-1-49



| Designation | $\varnothing D$ | $\varnothing D_1$ | $\varnothing d$ | L    | $L_1$ | $L_2$ | M  | Operating speed   | Relubrication hole |
|-------------|-----------------|-------------------|-----------------|------|-------|-------|----|-------------------|--------------------|
|             |                 |                   | mm              |      |       |       |    | min <sup>-1</sup> |                    |
| 73-1-28     | 28              | M24x1             | 10              | 50.5 | 35    | 12    | 15 | 15 000            | No                 |
| 73-1-49     | 28              | M24x1             | 10              | 54.5 | 39    | 16    | 15 | 15 000            | No                 |

BELT TENSION PULLEY BEARINGS

► Type: 76-3-1



| Designation | $\varnothing D$ | $\varnothing d$ | L  | $L_1$ | M | $d_1$ | Operating speed   | Relubrication hole | Note |
|-------------|-----------------|-----------------|----|-------|---|-------|-------------------|--------------------|------|
|             |                 |                 | mm |       |   |       | min <sup>-1</sup> |                    |      |
| 76-3-1      | 30              | 16              | 96 | 39    | - | -     | 10 000            | No                 | *    |

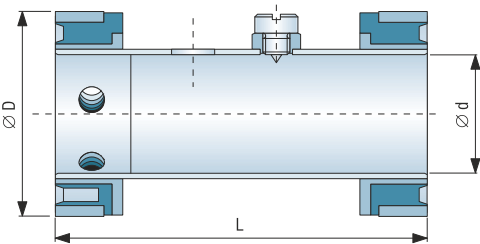
\* The deviations from the specification in the picture are noticed in the drawings  
► KINEX BEARINGS is also able to supply various types of press pulley with bearings for OE machinery



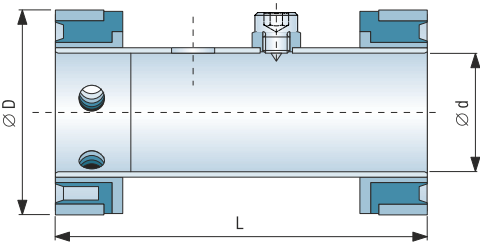
For Machine Type:

Rieter BT 923, R 923, R35, R36 & R37

► Type: 83-18-6, 83-18-10 (slotted screw)

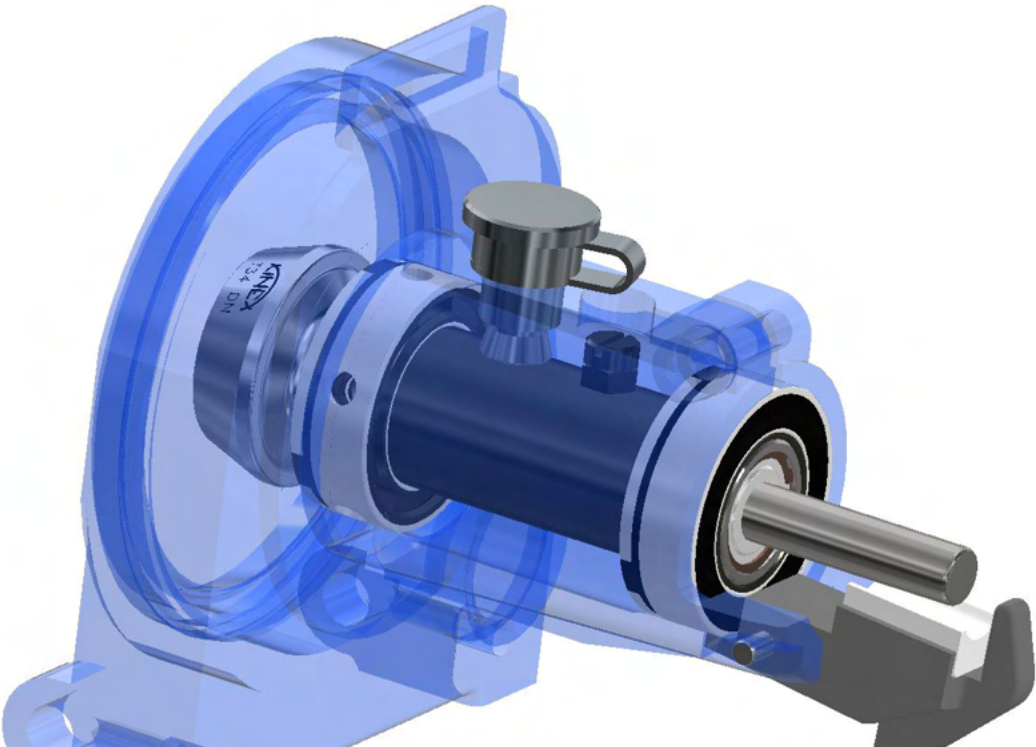


► Type: 83-18-6, 83-18-10 (hexagon socket screw)



| Designation | ØD | Ød | L  | Application for the bearings with the limited speed | Note |
|-------------|----|----|----|-----------------------------------------------------|------|
|             |    | mm |    | min <sup>-1</sup>                                   |      |
| 83-18-6     | 38 | 22 | 69 | 115 000                                             | *    |
| 83-18-10    | 38 | 22 | 69 | 115 000                                             | *    |

\* The deviations from the specification in the picture are noticed in the drawings



For Machine Type:

Saurer BD 3XX, 4XX series, BD 7

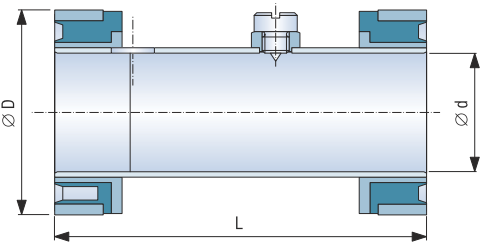
Rieter BT 923, R 923, R35, R36, R37

Taitan TQF 3XX, 5XX, K80 series

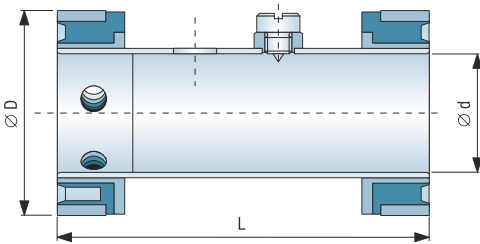
RIFA RS 30C, 30D, RS 51 series

Jingwei 15XX, 1618 series

► Type: 83-18-4



► Type: 83-18-100



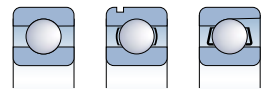
| Designation | ØD | Ød | L  | Application for the bearings with the limited speed | Note |
|-------------|----|----|----|-----------------------------------------------------|------|
|             |    | mm |    | min <sup>-1</sup>                                   |      |
| 83-18-4     | 38 | 22 | 70 | 90 000                                              | *    |
| 83-18-100   | 38 | 22 | 69 | 105 000                                             | *    |

\* The deviations from the specification in the picture are noticed in the drawings

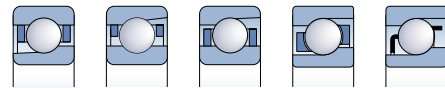




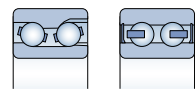
Single Row Deep Groove Ball Bearings



Single Row Angular Contact Ball Bearings



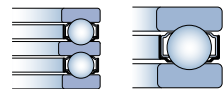
Double Row Angular Contact Ball Bearings



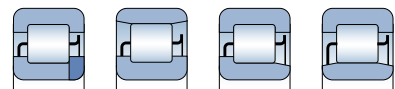
Double Row Self-Aligning Ball Bearings



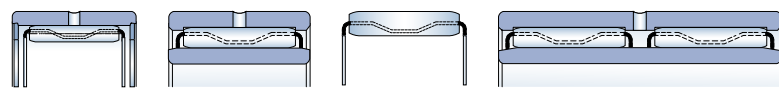
Thrust Ball Bearings



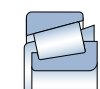
Single Row Cylindrical Roller Bearings



Needle Roller Bearings

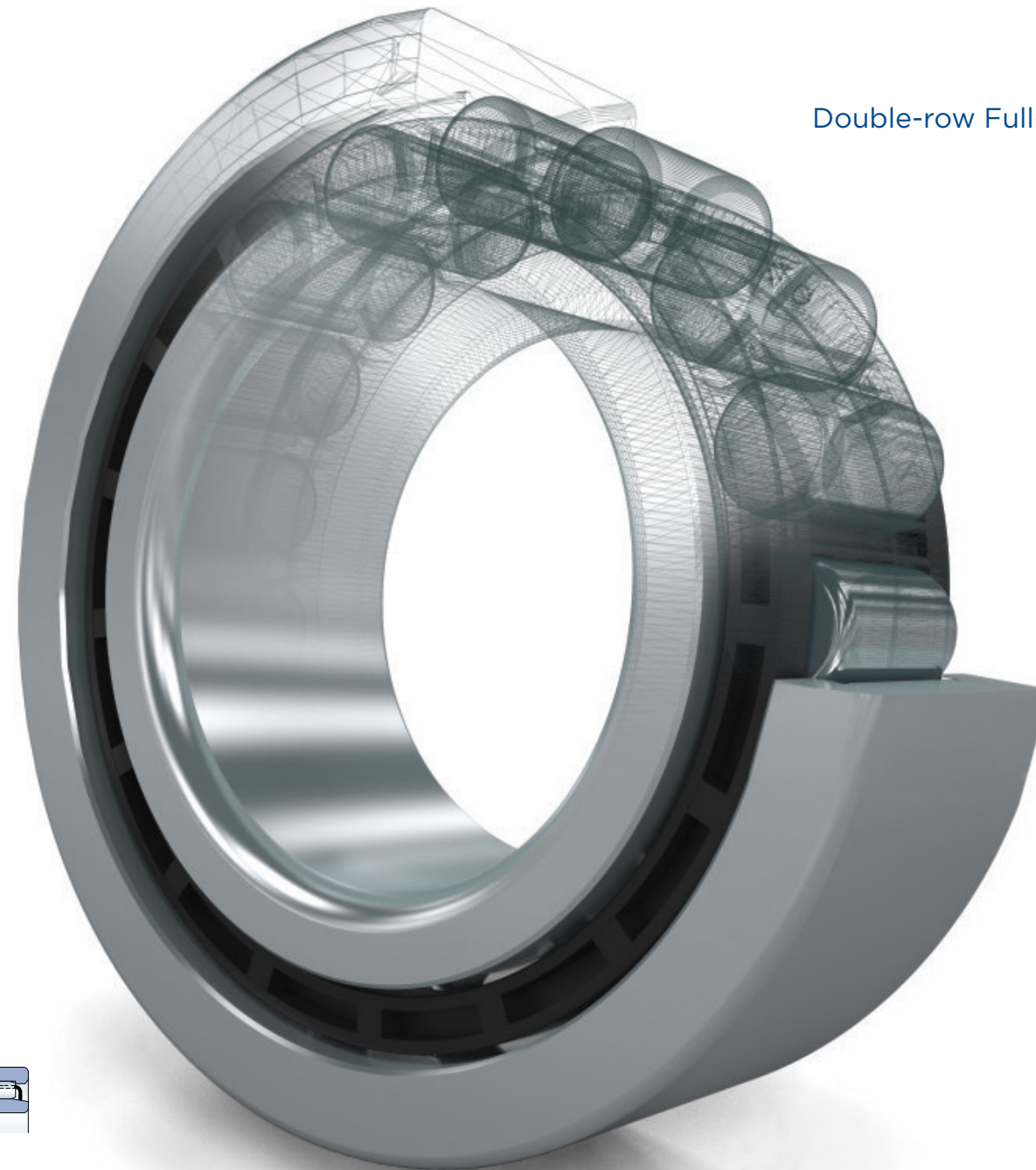


Single Row Tapered Roller Bearings

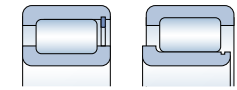


## > Benefits of KINEX BEARINGS

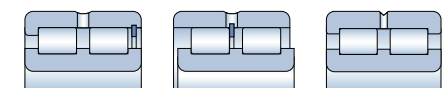
- technical parameters going beyond standards
- new performance dimension in industrial applications
- extension of operating life
- special solution made to meet the customer requirements



Single-row Full-complement Cylindrical Roller Bearings



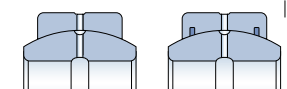
Double-row Full-complement Cylindrical Roller Bearings



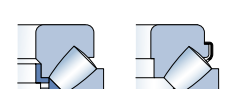
Double - Row Spherical Roller Bearings



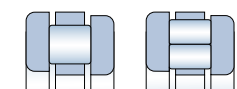
Spherical Plain Radial Bearings



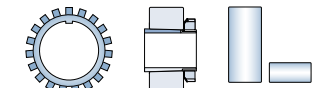
Spherical roller thrust bearings



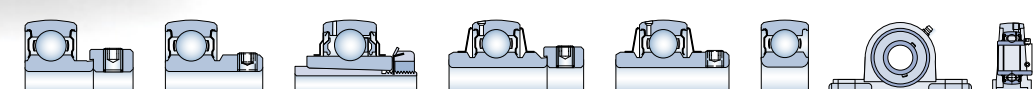
Cylindrical Roller Thrust Bearings



Accessories

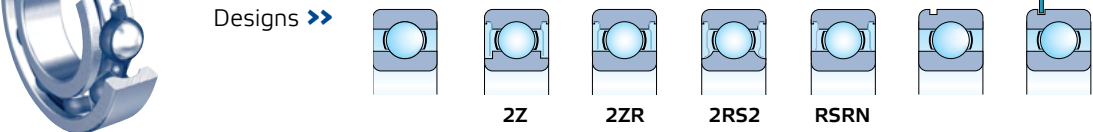


Insert Bearings and Housed units



> Calculations and tests proved longer usability and durability of KINEX bearings, improved safety and lower maintenance costs.

Deep Groove Ball Bearings



KINEX deep groove ball bearings are widely used in small to medium-sized electric motors, including those in HVAC systems, general industrial appliances, fans, and blowers. Our design allows them to handle both radial and light axial loads, providing low friction and high-speed performance. These bearings offer a balance of efficiency, durability, and low noise, making them ideal for quieter applications where reliability is key.

KINEX is producing a complete range of deep groove ball bearings for the vast range of application in textile industry. Our special high speed electric motor grade ball bearings are specialized for the electric motor application where the speed exceeds 2800 RPM, and standard application ball bearings is also required in high volumes. This type of bearing is the major consumption item in textile industry and KINEX comes into picture where reliability and durability are key.

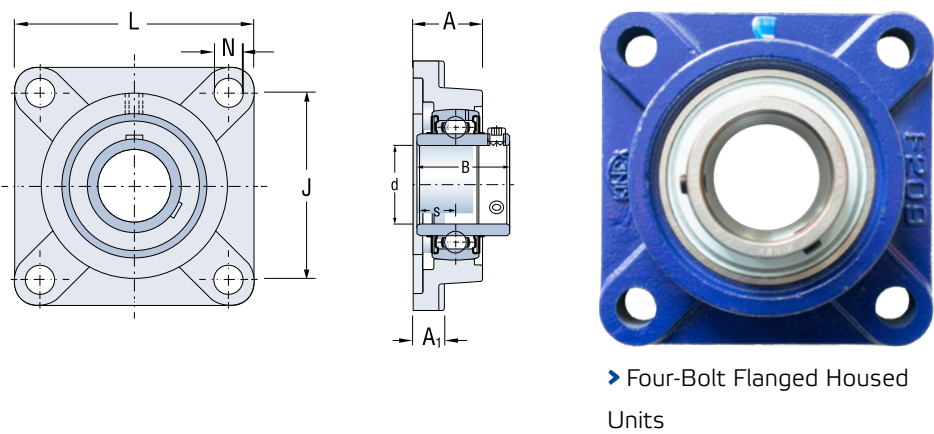
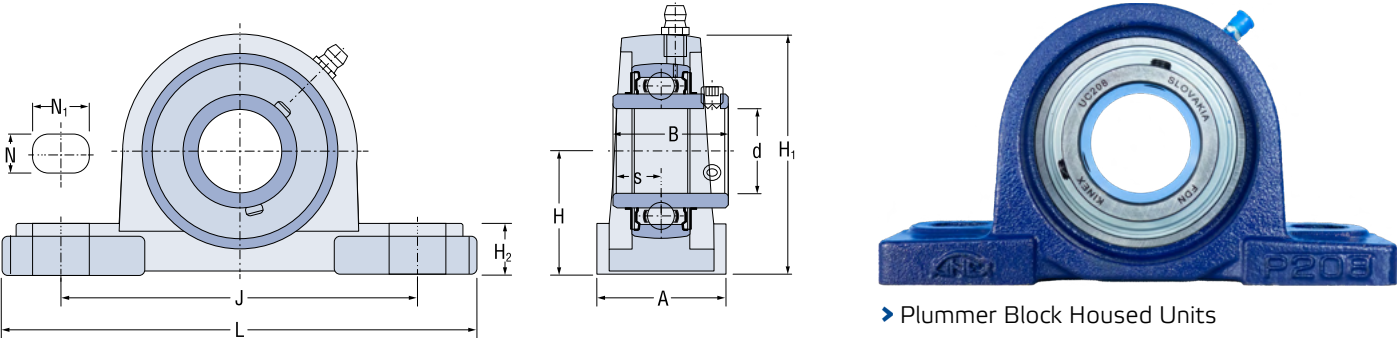
Boundary dimensions

| Series        | Bore Diameter d | Outer Diameter D | Bearing Width B |
|---------------|-----------------|------------------|-----------------|
| 6000 - 6034   | 10 - 170        | 26 - 260         | 8 - 42          |
| 6200 - 6230   | 10 - 150        | 30 - 270         | 9 - 45          |
| 6300 - 6321   | 10 - 105        | 35 - 225         | 11 - 49         |
| 6403 - 6418   | 17 - 90         | 62 - 225         | 17 - 54         |
| 16002 - 16030 | 15 - 150        | 32 - 225         | 8 - 24          |

Boundary dimensions separable

| Series   | Bore Diameter d | Outer Diameter D | Bearing Width B |
|----------|-----------------|------------------|-----------------|
| E4 - E20 | 4 - 20          | 16 - 47          | 5 - 12          |

Housed Units and Pillow Bearings



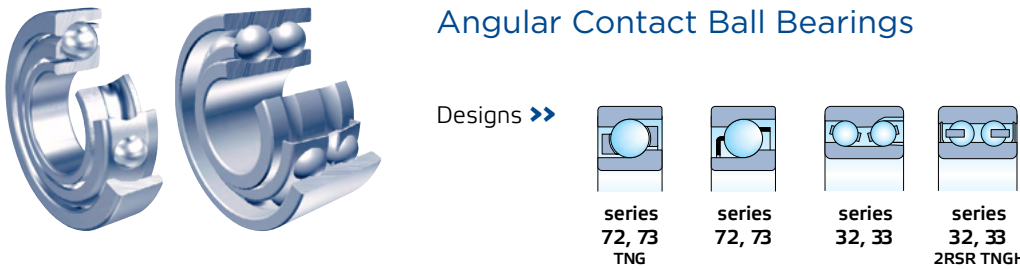
Housed units are critical components across many industries, providing secure, stable mounting and easy maintenance for bearings in a variety of applications. They help manage heavy loads, adjust tension, and accommodate different shaft configurations, all while protecting the bearing from contaminants and ensuring smooth operation. durability is key.

| Housed units range  | Pillow bearings range |
|---------------------|-----------------------|
| UCP 201 - UCP 218   | UC201 - UC218         |
| UCT 203 - UCT 217   | US201 - US212         |
| UCF 203 - UCF 218   | UD201 - UD210         |
| UCFL 201 - UCFL 218 | UE201 - UE212         |

Housed units are a combination of insert bearings and a bearing housing, which can be in different shapes. Bearing units are supplied pre-assembled. Bearings contain lubricant for longer life. If necessary, the units can be additionally lubricated.



Angular Contact Ball Bearings



Boundary dimensions single-row

| Series          | Bore Diameter d | Outer Diameter D | Bearing Width B |
|-----------------|-----------------|------------------|-----------------|
| 7200AA - 7220AA | 10 - 100        | 30 - 180         | 9 - 34          |
| 7200B - 7226B   | 10 - 130        | 30 - 230         | 9 - 40          |
| 7303AA - 7316AA | 17 - 804        | 7 - 170          | 14 - 39         |
| 7301B - 7322B   | 12 - 110        | 37 - 240         | 12 - 50         |

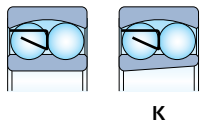
Boundary dimensions double-row

| Series                  | Bore Diameter d | Outer Diameter D | Bearing Width B |
|-------------------------|-----------------|------------------|-----------------|
| 3200E - 3220E           | 10 - 100        | 30 - 180         | 14,3 - 60,3     |
| 3200 - 3220 (2ZR, 2RSR) | 10 - 100        | 30 - 180         | 14,3 - 60,3     |
| 3302E - 3320E           | 15 - 100        | 42 - 215         | 19 - 82,6       |
| 3302 - 3320 (2ZR, 2RSR) | 15 - 100        | 42 - 215         | 19 - 82,6       |



Self-Aligning Ball Bearings

Designs >>

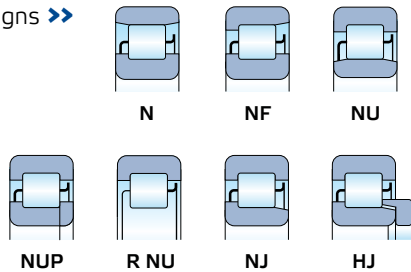


| > Boundary dimensions |                    |                     |                    |
|-----------------------|--------------------|---------------------|--------------------|
| Series                | Bore Diameter<br>d | Outer Diameter<br>D | Bearing Width<br>B |
| 1200 - 1220           | 10 - 100           | 30 - 180            | 9 - 34             |
| 2200 - 2220           | 10 - 100           | 30 - 180            | 14 - 46            |
| 1300 - 1320           | 10 - 100           | 35 - 215            | 11 - 52            |
| 2301 - 2320           | 12 - 100           | 37 - 215            | 17 - 73            |



Cylindrical Roller Bearings

Designs >>

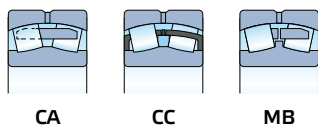


| > Boundary dimensions |                    |                     |                    |
|-----------------------|--------------------|---------------------|--------------------|
| Series                | Bore Diameter<br>d | Outer Diameter<br>D | Bearing Width<br>B |
| 203 - 230             | 17 - 150           | 40 - 270            | 12 - 45            |
| 303 - 326             | 17 - 130           | 47 - 280            | 14 - 58            |
| 405 - 422             | 25 - 110           | 80 - 280            | 21 - 65            |
| 2203 - 2228           | 17 - 140           | 40 - 250            | 16 - 68            |
| 2304 - 2320           | 20 - 100           | 52 - 215            | 21 - 73            |
| 1008 - 1060           | 40 - 300           | 68 - 460            | 15 - 74            |



Spherical Roller Bearings

Designs >>



| > Boundary dimensions |                    |                     |                    |
|-----------------------|--------------------|---------------------|--------------------|
| Series                | Bore Diameter<br>d | Outer Diameter<br>D | Bearing Width<br>B |
| 21304 - 21322         | 20 - 110           | 52 - 240            | 15 - 50            |
| 22205 - 22240         | 25 - 200           | 52 - 360            | 18 - 98            |
| 22308 - 22340         | 40 - 200           | 90 - 420            | 33 - 138           |
| 23022 - 23040         | 110 - 200          | 170 - 310           | 45 - 82            |
| 23120 - 23140         | 100 - 2001         | 65 - 340            | 52 - 112           |
| 23218 - 23240         | 90 - 200           | 160 - 360           | 52,4 - 128         |
| 24020 - 24040         | 100 - 200          | 150 - 310           | 50 - 109           |
| 24122 - 24140         | 110 - 2001         | 80 - 3406           | 9 - 140            |



Tapered Roller Bearings

Designs >>



| > Boundary dimensions |                    |                     |                    |
|-----------------------|--------------------|---------------------|--------------------|
| Series                | Bore Diameter<br>d | Outer Diameter<br>D | Bearing Width<br>T |
| 30202A - 30230A       | 15 - 150           | 35 - 270            | 11,75 - 49         |
| 30302A - 30328A       | 15 - 140           | 42 - 300            | 14,25 - 67,75      |
| 31305A - 31328A       | 25 - 140           | 62 - 300            | 18,25 - 77         |
| 32004AX - 32032AX     | 20 - 160           | 42 - 240            | 15 - 51            |
| 32204A - 32232A       | 20 - 160           | 47 - 290            | 19,25 - 84         |
| 32304A - 32324A       | 20 - 120           | 52 - 260            | 22,25 - 90,50      |
| 33010A - 33022A       | 50 - 110           | 80 - 170            | 24 - 47            |
| 33109A - 33118A       | 45 - 90            | 80 - 150            | 26 - 45            |
| 33205A - 33220A       | 25 - 100           | 52 - 180            | 22 - 63            |

> These bearings are used dominantly in machines like Open End Spinning, Carding Machines, Draw Frames, Blow Room Machines, Fibre Recycling machines, Electric Motors, Compressors, AC Plants and H Plants machinery and many other supporting machineries.



Deep Groove Ball Bearings

- 6000 – 6014
- 6200 – 6210
- 6300 – 6313
- Miniature 625, 626, 628, 608, 61800, 6800

The above range of bearings are supplied in Seal 2RS, ZZ and Open types.



Cylindrical Roller Bearings

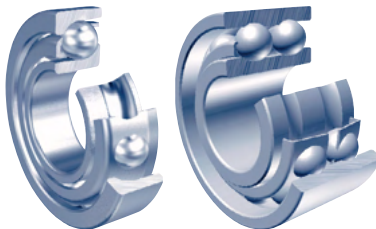
- NJ 2205 – NJ 2210
- NU2205 – NU2210
- N304 E – N309 3



Spherical Roller Bearings

- 22205 – 22222
- 22308 – 22315

Supplied in CA, CC and MB cage, in straight bore and K bore.



Angular Contact and Self Aligning Ball Bearings

- 7202 – 7208
- 3202 – 3208

The above range of bearings are supplied in Seal 2RS and ZZ

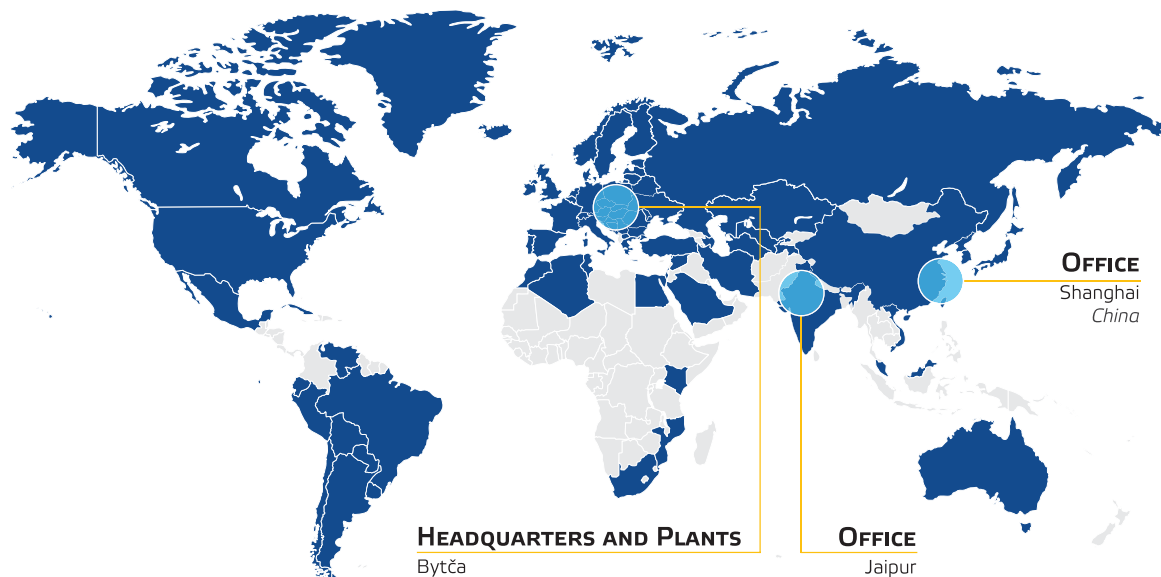
- 1204 – 1215 (PLAIN & K BORE)
- 1305 – 1312 (PLAIN & K BORE)





120  
anniversary

## YOUR PARTNER FOR INDUSTRY



### BLUE TERRITORIES

KINEX trademark registration

### HEADQUARTERS AND PLANTS

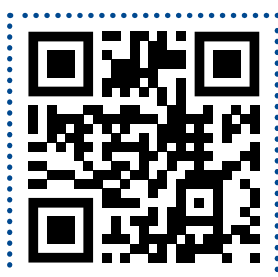
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