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BXY® BEARING

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CHINA·QINGDAO

Valuable Bearings

BXY® BEARING

Company profile

Qingdao Yi Xin Yan Bearings Co.,Ltd . is a professional bearing production company, the company relies on high–quality products, strict management and perfect service to provide customers with excellent quality, reasonable price bearing products. The company and a number of production enterprises to establish a close and long–term relations of cooperation. The company has thousands of models of stock, to meet the machinery, metallurgy, chemical, power, auto parts, agricultural machinery and mining and other industries demand.

The company has an excellent staff, professional computer management system and with a number of manufacturers and peers network inquiries, with experienced technical personnel from pre–sales to after–sales to provide customers with selection, installation, maintenance, maintenance, fault diagnosis and monitoring and other related technical advice and services, the company in strict good faith attitude for each customer to provide supporting supply and personalized quality services. Just one order from you, and we'll do the rest. Yingqi mountain bearing company in line with “Integrity to the far, Excellence” for each dealer and end–user to provide quality worry–free products and services. “Plastic products outside, plastic character inside” the management concept of service for each customer, we sincerely welcome customers to our company to negotiate business.

Brand recommendation company for the current market demand, hire experienced technicians, using advanced production technology for users to produce quality and elite"Bxy" brand bearings. The company has advanced production equipment, precision testing instruments, the production of products higher than the national standards of enterprise internal control standards. The product quality is stable, the performance price is reasonable. "BXY" brand mainly for electrical machinery, cars, agricultural machinery. Industrial and mining industries production tapered roller bearings, deep groove ball bearings, deep groove ball thickening series. And can be customized according to customer needs of various non–standard special requirements of the bearing.

The company strictly controls the bearing quality of each BXY brand to ensure that the products our company provides build a worry–free running environment for the user's equipment.



Type of business

1. Class 0 -9 bearings
2. outer spherical bearings
3. bearings with housing
4. stainless steel outer spherical
5. needle roller bearings
6. spherical plain bearings
7. rod end bearings
8. linear bearings
9. sliders
10. automotive hub bearings
11. tensioning wheel bearings

Deep groove ball bearing

Bearing type

1. Single row deep groove ball bearing
2. Single row deep groove ball bearing with dust cover
3. Single row deep groove ball bearing with dust cover and sealing ring
4. Single row deep groove ball bearings with stop grooves and stop rings on the outer ring
5. Deep groove ball bearings with ball mounting notches6. Double row deep groove ball bearing

Bearing type

- 6900 series
- 6800 series
- 16000 series
- 6000 series
- 6200 series
- 6300 series
- 6400 series

Deep groove ball bearings are suitable for high speed and even very high speed operation, and very durable, without frequent maintenance. This kind of bearing has small friction coefficient, high limit speed, various size range and form, and is used in precision instrument, low noise motor, automobile, motorcycle and general machinery industries, it is one of the most widely used bearings in the mechanical industry. Mainly bear radial load, but also can bear a certain amount of axial load.

BXY® BEARING

Self–aligning ball bearing

Bearing type

- 10 series
- 12 series
- 13 series
- 1200 series
- 1300 series
- 2200 series
- 2300 series

Self–aligning ball bearing has two kinds of structure: cylindrical hole and conical hole. The material of Cage is steel plate, synthetic resin and so on. The Raceway of the outer ring is spherical and self–aligning. The Raceway can compensate the error caused by different degrees of center and shaft deflection, but the relative inclination of the inner and outer rings can not exceed 3 degrees

BXY® BEARING

Cylindrical roller bearings

Bearing type

Single row bearing
N. NU type
NJ, NF type
NUP, NFP type
NH (NJ+HJ) type
NN、NNU type
NNF type
FC type
FCD type

Bearing type

- NU series
- NJ series
- N series
- NUP series
- RN series
- NF series

The cylindrical roller and raceway are linear contact bearings. It has a large load capacity and mainly bears radial loads. The rolling element has little friction with the retaining edge of the ring, making it suitable for high-speed rotation. According to the presence or absence of retaining edges on the ring, there are single row cylindrical roller bearings such as NU, NJ, NUP, N, NF, and double row cylindrical roller bearings such as NNU and NN. This bearing is a separable structure with inner and outer rings.

Spherical Roller Bearings

Bearing type

Self aligning roller bearings are divided into cylindrical inner holes and conical inner holes. The taper of the inner hole of the cone is 1:12 for the self-aligning roller bearing with the rear designation K (153000 or 113000 types) and 1:30 for the self-aligning roller bearing with the rear designation K30. This type of bearing can adjust the radial clearance of the bearing by moving the inner ring axially when paired with a conical shaft.

Bearing type

- CA series
- CC series
- MB series
- E1 series
- 2RS series
- S11 series

Self aligning roller bearings have double row rollers, with one shared spherical raceway on the outer ring and two raceways on the inner ring that are inclined at an angle relative to the bearing axis. This clever construction endows it with automatic centering performance, making it less susceptible to errors or shaft bending caused by the angle between the shaft and the bearing housing. It is suitable for situations where installation errors or shaft deflection cause angle errors. This bearing can not only withstand radial loads, but also axial loads acting in both directions.

Angular contact ball bearing

- 718 D-series
  Values of inner and outer thrust surfaces: ISO 15
  The value of the non thrust surface on the outer ring has not been standardized
- 719 D. 70 D and 72 D-series
  Values of inner and outer thrust surfaces: ISO 15
  Value of non thrust surface on outer ring: ISO 12044, where applicable
- 719 E-series
  The value of the non thrust surface of the inner ring (d ≤ 30 mm), the thrust surface of the inner ring, and the thrust surface of the outer ring: ISO 15The value of the non thrust surface of the inner ring (d>30 mm): less than the ISO 15 standardValue of non thrust surface on outer ring: ISO 12044
- 70 E and S70 W series
  Values of inner and outer thrust surfaces: ISO 15
  Value of non thrust surface on outer ring: ISO 12044
- 719 B and 70 B-series
  Values of inner and outer thrust surfaces: ISO 15
  Value of non thrust surface on the outer ring: less than ISO 15 standard

Can bear both radial load and axial load. Able to work at high speed. The greater the contact angle, the higher the axial load capacity. High–precision and high–speed bearings usually take 15 degrees of contact angle. Under the action of axial force, the contact angle will increase.

Tapered roller bearing

- Single row tapered roller bearings:
  Inner diameter size range: 20mm~1270mmOuter diameter size range: 40mm~1465mm
  Width size range: 15mm~240mm
- Double row tapered roller bearings:
  Inner diameter size range: 38mm~1560mm
  Outer diameter size range: 70mm~1800mm
  Width size range: 50mm~460mm
- Four row tapered roller bearings:
  Inner diameter size range: 130mm~1600mm
  Outer diameter size range: 200mm~2000mm
  Width size range: 150mm~1150mm

Bearing type

- 72 series
- 73 series
- 75 series
- 76 series
- 20071 series
- 2007 series

The tapered roller bearing belongs to the separated type bearing, and both the inner and outer rings of the bearing have tapered raceways. This type of bearing is divided into different structural types based on the number of rows of installed rollers, such as single row, double row, and four row tapered roller bearings. Single row tapered roller bearings can withstand radial loads and axial loads in a single direction. When the bearing is subjected to radial load, an axial force will be generated, so another bearing that can withstand reverse axial force is needed to balance it.

Thrust ball bearing

The thrust ball bearing adopts a design that can withstand thrust loads during high–speed operation, and is composed of a washer shaped ring with ball rolling raceway grooves. Due to the cushion shape of the ring, thrust ball bearings are divided into two types: flat bottom cushion type and self–aligning spherical cushion type. In addition, this type of bearing can withstand axial loads, but cannot withstand radial loads.

Flat thrust ball bearings： 51 series 52 series 53 series

Thrust cylindrical roller bearing

Category: 81 Series 89 Series

Thrust roller bearings are used to bear axial and radial combined load, but the radial load shall not exceed 55% of the axial load. Compared with other thrust roller bearings, this kind of bearing has lower friction factor, higher rotational speed and self–aligning performance.

Outer spherical ball bearing

The outer spherical ball bearing is actually a variant of the deep groove ball bearing, characterized by its outer ring outer diameter surface being spherical, which can be matched into the corresponding concave spherical surface of the bearing seat to play a centering role. Outer spherical bearings are mainly used to withstand radial and axial combined loads, mainly radial loads, and are generally not suitable for bearing axial loads alone.

- Category of outer spherical bearings:
- Outer spherical ball bearing with vertical seat
- Outer spherical bearing with square seat
- Outer spherical ball bearing with diamond seat
- Outer spherical ball bearing with convex circular seat
- Outer spherical ball bearing with annular seat
- Outer spherical ball bearing with slider seat
- External spherical ball bearing with suspended seat
- External spherical ball bearing with suspended seat
- Outer spherical ball bearing with adjustable diamond seat
- Outer spherical ball bearing with stamped seat
- Outer spherical ball bearings with other seats

Zinc alloy outer spherical bearing

Bearing model	
KP08	KFL08
KP000	KFL000
KP001	KFL001
KP002	KFL002
KP003	KFL003
KP004	KFL004
KP005	KFL005
KP006	KFL006

Thrust ball bearing

Needle bearing is a roller bearing with cylindrical rollers, which are both thin and long relative to their diameter. This type of roller is called a rolling needle. Despite having a smaller cross–section, the bearing still has a higher load bearing capacity. Needle roller bearings are equipped with thin and long rollers (roller diameter D ⩽ 5mm, L/D ⩾ 2.5, L is the length of the roller), so the radial structure is compact. When the inner diameter size and load capacity are the same as other types of bearings, the outer diameter is the smallest, making them particularly suitable for support structures with limited radial installation dimensions.

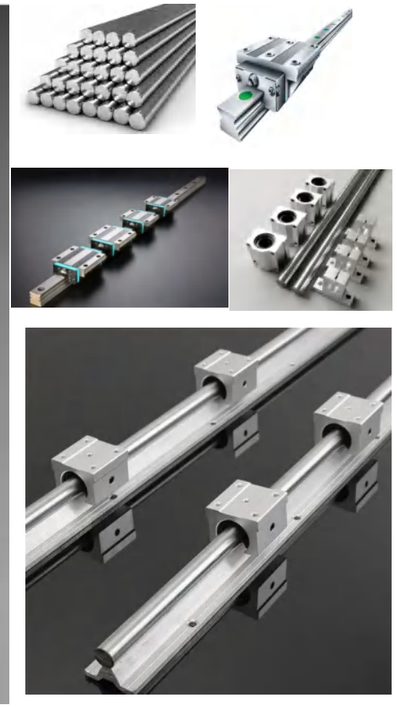
- Category of needle roller bearings:
- 1. Needle roller holder assembly
- 2. Needle roller bearing without retaining edge
- 3. Self centering
- 4. Combination needle roller/ball bearing
- 5. Combination needle roller/thrust ball bearing
- 6. Combination needle roller/cylindrical roller thrust bearing
- STO outer ring without retaining edge, with inner ring supporting roller
- RNA22... 2RS double–sided seal, without inner ring support roller
- Na22... 2RS double–sided seal with inner ring support roller
- NATRNATR PP flat ring axial guide support roller
- Needle roller bearingsNeedle roller bearings
- NATV
- NATV PP flat retaining ring axial guide support roller, full needle type
- NUTR rolling element guide support roller, full roller type
- CRY British flat retaining ring axial guide support roller

Joint bearings

Joint bearing is a type of spherical sliding bearing, with a sliding contact surface consisting of an inner spherical surface and an outer spherical surface. It can rotate and swing at any angle during motion. It is made using various special processing methods such as surface phosphating, blasting, gasket insertion, and spraying. Joint bearings have the characteristics of high load capacity, impact resistance, corrosion resistance, wear resistance, self centering, and good lubrication.

- Plain radial bearing
  - (1) GE... E–type
  - (2) GE... ES type.
  - (3) GE... ES–2RS
  - (4) GE... ESN type
  - (5) GE... HS type
  - (6) GE... DE1 type
  - (7) GE... DEM1 type
  - (8) GE... DS type
- Angular contact joint bearing
  - GAC... S–type
- Thrust joint bearing
  - GX... S–type
- Rod end joint bearing
  - (1) SI... E–type
  - (2) SA... E–type
  - (3) SI... ES type
  - (4) SA... ES type
  - (5) SIB... S–type
  - (6) SAB... S–type
  - (7) SQ... type
- Self lubricating radial joint bearing
  - (1) GE... C–type and GE... T–type
  - (2) GE... CS–2Z type:
  - (3) GEEW... T–type:
  - (4) GE... F–type:
  - (5) GE... F2 type:
  - (6) GE... FSA type
  - (7) GE... FIH type
  - (8) Self lubricating angular contact joint bearings
- GAC... F–type
- self–lubricating thrust joint bearingGX... F–type

Optical axis guide rail slider



- LM
- LM..L
- LM..OP
- LM..AJ
- KH..PP
- ST..B
- Steel protection straight lineSteel protection SDM
- LMES
- LMF
- LMF.L
- LMK
- LMK..L
- LMH
- LMH..L
- LMFM.LUU
- LMKM LUU
- LMHM..L
- LMHP
- LMKP..L
- LMFP..L
- SCS
- SCS..L
- SBR
- SBR.L
- SC..V
- HGH..CC
- TBR
- SMA..S
- SBR dustproof slider
- LM inner copper outer steel linear bearing
- LMF inner copper outer steel linear flange bearing
- LMK inner copper outer steel linear flange bearing
- LMH inner copper outer steel linear flange bearing
- LMKP inner copper outer steel linear flange bearing

Clutch release bearing

The clutch release bearing is installed between the clutch and the transmission, and the release bearing seat is loosely sleeved on the tubular extension of the first shaft bearing cover of the transmission. Through a return spring, the shoulder of the release bearing is always pressed against the release fork and retreated to the final position, maintaining a gap of about 3–4 mm with the end of the release lever (release finger).

Universal joint

Universal joint, also known as universal joint, is a mechanical component used to achieve variable angle power transmission. It is used to change the position of the transmission axis direction. It is a joint component of the universal transmission device in the automotive drive system. The combination of a universal joint and a transmission shaft is called a universal joint transmission device. On vehicles with front engine and rear wheel drive, the universal joint transmission device is installed between the output shaft of the transmission and the input shaft of the drive axle main reducer; Vehicles with front engine front wheel drive omit the drive shaft, and the universal joint is installed between the front axle half shaft and the wheels, which are responsible for both driving and steering.

Automobile wheel hub bearings

Wheel hub bearings are one of the key components of automobiles, whose main function is to bear weight and provide precise guidance for the rotation of the wheel hub. This requires it to not only withstand axial loads but also radial loads.

In the past, single row tapered roller or ball bearings were commonly used in pairs for the wheel hub bearings of sedans. With the development of technology, sedan wheel hub units have been widely used in cars.

The scope and usage of hub bearing units are increasing day by day, and they have now developed to the third generation:

The first generation consisted of double row angular contact bearings.The second generation has a flange on the outer raceway for fixing the bearing, which can be easily fitted onto the axle and secured with a nut.

Make car maintenance easier.The third generation wheel hub bearing unit adopts a combination of bearing units and anti lock brake system ABS.

The hub unit is designed with an inner flange and an outer flange.

The inner flange is fixed to the drive shaft with bolts, and the outer flange installs the entire bearing together.

Fourth generation wheel hub bearings

Automobile wheel hub unit bearings

Shaft sleeve

Oil free self–lubricating bearings

Stainless steel bearing series

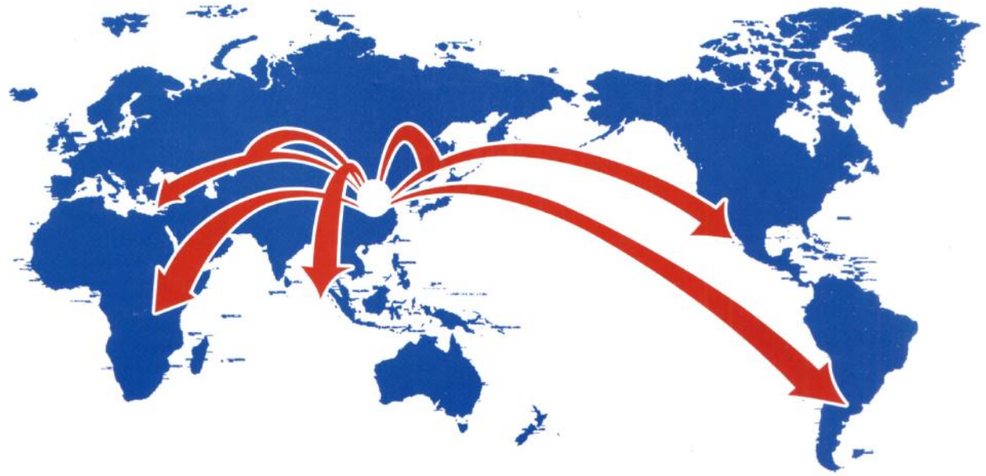
Compared with ordinary bearings, stainless steel bearings not only have obvious advantages in material, but also have much stricter control in technology and accuracy. Stainless steel bearings work stably, have low noise, are corrosion–resistant, and are widely used during the working process.

Stainless steel bearing series

Unidirectional bearing is a type of bearing that can rotate freely in one direction and lock in another direction. Unidirectional bearings, also known as overrunning clutches, are named according to their different industries and functions. The metal shell of a unidirectional bearing contains many rollers, needles, or balls, and the shape of its rolling seat (cavity) allows it to only roll in one direction, while producing significant resistance in the other direction (known as "unidirectional").

Sale and Service

〞Sincerely to maintaining truthful, reputation from quality".
For a long time, the company attaches great importance to the friendly cooperation with customers, to ensure quality and service, cherishHonor, thus won the customer's trust and support. Extensive cooperation with friends to share prosperity has also become our most sincere pursuit.



Radiate nationwide and look around the world