Bolted Mounting Type High Rotational Speed Double Row Cylindrical Roller Bearing Engineered for Precision and Durability

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: ZHUOLI
- Certification: ISO9001
- Model Number: RKS. 062.20.0414

Product Specification

- Precision: High
- Bearing Type: Slewing Bearing
- Lubrication: Grease
- Size: Customizable
- Warranty: 1 Year
- Load Capacity: High
- Mounting Type: Bolted
- Operating Temperature: -40°C To 80°C
- Highlight: **bolted mounting cylindrical roller bearing**, **high speed double row bearing**, **precision durable slewing bearing**

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Product Description

Product Description:

The Single Row Slewing Bearing is a highly efficient and reliable component designed to meet the demanding requirements of modern mechanical systems. Renowned for its robust load capacity, this bearing is engineered to handle heavy loads with exceptional stability and precision. Whether you are working on industrial machinery, construction equipment, or renewable energy installations, the Single Row Slewing Bearing offers outstanding performance and durability, making it an indispensable part of your application.

One of the key features of this Single Row Slewing Bearing is its high load capacity. Unlike conventional bearings, it is specifically designed to withstand substantial axial, radial, and moment loads. This capability ensures that your machinery can operate smoothly under heavy-duty conditions without compromising on safety or efficiency. The bearing's single row design provides a perfect balance between strength and compactness, making it ideal for applications where space constraints are a concern but load requirements remain high.

Durability and reliability are further enhanced by the product's manufacturing and quality standards. This bearing comes with a 1-year warranty, reflecting the manufacturer's confidence in its long-term performance. Whether you choose a neutral, OEM, or customized version tailored to your specific needs, you can rest assured that the Single Row Slewing Bearing will deliver consistent and dependable service throughout its operational life.

The bearing type is classified as a slewing bearing, which means it is specifically designed to accommodate rotational movement and support heavy loads simultaneously. This makes it particularly suitable for applications involving rotational platforms, cranes, and heavy-duty turntables. The single row configuration is a popular choice among engineers due to its simplified structure and ease of installation, while still maintaining excellent load distribution capabilities.

In addition to its primary function, the Single Row Slewing Bearing can be integrated with other components to enhance system performance. For instance, it can be used alongside Double Row Cylindrical Roller Bearings to provide additional support and improve load handling in complex machinery. This combination allows for better axial and radial load management, extending the lifespan of the equipment and reducing maintenance requirements.

Moreover, the Single Row Slewing Bearing is compatible with Dual Axis Slew Drive systems, which are widely used in automation and robotics. This compatibility enables precise and controlled rotational movements, essential for applications requiring high accuracy and repeatability. The bearing's robust construction ensures that it can handle the dynamic stresses encountered in dual-axis slew drives, contributing to smoother operation and reduced wear and tear.

Another noteworthy application is the use of the Single Row Slewing Bearing as a Center Driveshaft Support Bearing. In such configurations, it provides critical support to the driveshaft, ensuring alignment and stability during rotational motion. This reduces vibrations and minimizes the risk of mechanical failures, thereby enhancing the overall efficiency and reliability of the drive system.

The Single Row Slewing Bearing is available under various trademarks, including neutral and OEM brands, or can be customized according to specific project requirements. This flexibility allows manufacturers and end-users to select a bearing that perfectly matches their technical specifications and budget constraints. Customization options may include variations in size, material, sealing, and lubrication methods, ensuring optimal performance in diverse operating environments.

In summary, the Single Row Slewing Bearing is a versatile and high-performance solution for applications demanding a combination of high load capacity, rotational precision, and durability. Its compatibility with other bearing types like Double Row Cylindrical Roller Bearings, integration potential with Dual Axis Slew Drive systems, and suitability as a Center Driveshaft Support Bearing make it an excellent choice across various industries. Backed by a 1-year warranty and available in neutral, OEM, or customized formats, this bearing offers both reliability and adaptability to meet your specific engineering needs.

Technical Parameters:

Precision	High
Mounting Type	Bolted
Size	Customizable
Operating Temperature	-40°C To 80°C
Corrosion Resistance	Yes
Rotational Speed	High
Application	Slewing (suitable for Dual Axis Slew Drive, Drive Shaft Center Bearing, Excavator Slewing Bearing)
Lubrication	Grease
Sealing	Sealed
Type	Single Row

Applications:

The ZHUOLI Single Row Slewing Bearing, model number RKS. 062.20.0414, is a high-precision, high-performance component designed for a wide range of industrial applications. Manufactured in China and certified under ISO9001 standards, this bearing is crafted from premium steel material, ensuring exceptional durability and corrosion resistance. Its grease lubrication system guarantees smooth operation and extended service life even under demanding conditions.

This slewing bearing is particularly well-suited for use as a Center Driveshaft Support Bearing or Drive Shaft Center Bearing in various heavy-duty machinery. Its robust construction and high rotational speed capabilities make it ideal for applications where reliable and precise rotational movement is critical. Industries such as construction, mining, and material handling frequently rely on ZHUOLI's slewing bearings to support shafts and facilitate smooth rotational motion.

In addition, the ZHUOLI Single Row Slewing Bearing is perfectly compatible with Dual Axis Slew Drive systems, where it plays a vital role in enabling multi-directional movement with high accuracy. This makes it an excellent choice for equipment like cranes, excavators, and robotic arms that require both strength and precision in their slew drives. The bearing's corrosion resistance further enhances its suitability for outdoor and harsh environmental applications, ensuring consistent performance over time.
Whether integrated into heavy machinery as a Center Driveshaft Support Bearing or utilized within complex Dual Axis Slew Drive mechanisms, the ZHUOLI RKS. 062.20.0414 provides a reliable and efficient solution. Its combination of high precision, durability, and corrosion resistance, along with grease lubrication for smooth operation, makes it an indispensable component in modern mechanical systems requiring dependable rotational performance.

Customization:

At ZHUOLI, we offer comprehensive product customization services for our Single Row Slewing Bearing, model number RKS. 062.20.0414. Manufactured in CHINA and certified by ISO9001, our bearings are made from high-quality steel to ensure durability and corrosion resistance. Our Slewing Bearings are designed to operate efficiently within a temperature range of -40°C to 80°C, making them suitable for various demanding applications.
We specialize in providing customized solutions tailored to your specific needs, including Bearing Spare Parts for maintenance and replacement. Whether you require a Dual Axis Slew Drive or an Excavator Slewing Ring Bearing, ZHUOLI can deliver precise and reliable products. Our trademark options include Neutral, OEM, or fully customized branding to fit your business requirements.
Choose ZHUOLI for trusted, high-performance Single Row Slewing Bearings that meet stringent quality standards and offer excellent corrosion resistance for long-lasting operation.

Support and Services:

Our Single Row Slewing Bearings are designed to provide reliable rotational movement and support for a wide range of heavy-duty applications. To ensure optimal performance and longevity of your slewing bearing, we offer comprehensive technical support and services.
Our technical support team is available to assist you with installation guidelines, maintenance procedures, troubleshooting, and application advice. We provide detailed documentation, including product specifications, load capacity charts, and mounting instructions to help you integrate the bearing seamlessly into your machinery.
We also offer inspection and condition monitoring services to help you maintain the bearing in peak condition and prevent unexpected downtime. Our experts can guide you on lubrication schedules, wear indicators, and replacement timelines tailored to your specific operational environment.
In addition, customized solutions and engineering support are available for unique application requirements, ensuring that the slewing bearing meets your exact performance criteria. Whether you need assistance with product selection, design modifications, or upgrades, our team is committed to delivering expert guidance and responsive service.
Trust our technical support and services to maximize the efficiency and durability of your Single Row Slewing Bearing, enhancing the overall productivity and reliability of your equipment.

Maanshan Zhuoli Machinery Technology Co., Ltd.

+86-18555801610 sales@maszhuoli.com bearingslewingring.com

No. 6, North District, Xiangshan Industrial Park, Xiangshan Town, Yushan District, Ma'anshan City