



High Rotational Speed Dual Axis Slew Drive Engineered with Corrosion Resistance Providing Performance in Harsh Conditions

Our Product Introduction

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Basic Information

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



Product Specification

- Material: Steel
- Rotational Speed: High
- Sealing: Sealed
- Bearing Type: Slewing Bearing
- Warranty: 1 Year
- Size: Customizable
- Application: Slewing
- Mounting Type: Bolted
- Highlight: **dual axis slew drive high speed,
corrosion resistant slewing bearing,
single row slew drive harsh conditions**

Product Description:

The Single Row Slewing Bearing is a highly reliable and versatile component designed to meet the demanding requirements of various heavy machinery and industrial applications. Known for its robust construction and exceptional performance, this bearing is an essential Bearing Spare Part for equipment such as excavators, cranes, and wind turbines. With a focus on durability and precision, the Single Row Slewing Bearing ensures smooth rotational movement and supports both axial and radial loads efficiently.

One of the standout features of this slewing bearing is its customizable size. Understanding that different applications require bearings of varying dimensions, the Single Row Slewing Bearing can be tailored to fit specific project needs. Whether used in compact machinery or larger industrial equipment, this adaptability makes it an ideal solution for diverse operational demands. Customization options allow engineers and designers to specify the diameter, thickness, and other critical parameters to optimize performance and integration.

The bearing is crafted from high-quality steel, which provides outstanding strength and longevity. Steel as the primary material ensures resistance to wear, corrosion, and mechanical stress, making the bearing suitable for harsh working environments. This material choice also contributes to the overall stability and reliability of the product, allowing it to withstand heavy loads and extreme conditions without compromising its structural integrity.

Precision is a critical attribute of the Single Row Slewing Bearing. Manufactured with stringent quality control standards, the bearing delivers high precision in rotation and positioning. This precision is vital for applications that require accurate movement and alignment, such as Excavator Slewing Ring Bearing systems. The high precision reduces operational errors, enhances safety, and improves the overall efficiency of the machinery. It also minimizes maintenance needs and prolongs the service life of the equipment.

Additionally, the Single Row Slewing Bearing offers high rotational speed capabilities. This feature is particularly important for machinery that operates under dynamic conditions where rapid and smooth rotation is necessary. The bearing's design minimizes friction and heat generation, allowing it to maintain performance even at elevated speeds. This makes it an excellent choice for Excavator Slewing Ring Bearing applications, where continuous and reliable rotation is essential for effective excavation and material handling.

The mounting type of the Single Row Slewing Bearing is bolted, which provides a secure and stable connection to the machinery. Bolted mounting facilitates easy installation and maintenance, allowing for quick replacement of Bearing Spare Parts without extensive downtime. This mounting method also ensures that the bearing remains firmly anchored during operation, reducing the risk of misalignment or loosening caused by vibrations or heavy loads.

In summary, the Single Row Slewing Bearing combines customizable sizing, high precision, robust steel construction, bolted mounting, and high rotational speed to deliver a superior bearing solution. It is an indispensable component for heavy machinery, especially in Excavator Slewing Ring Bearing applications, providing reliability, durability, and enhanced operational performance. Whether you need to replace worn-out Bearing Spare Parts or design new equipment, this slewing bearing offers the quality and adaptability required to meet stringent industrial standards.

Technical Parameters:

Type	Single Row
Material	Steel
Application	Slewing (suitable for Center Driveshaft Support Bearing, Dual Axis Slew Drive, Excavator Slewing Ring Bearing)
Warranty	1 Year
Precision	High
Bearing Type	Slewing Bearing
Load Capacity	High
Sealing	Sealed
Lubrication	Grease
Size	Customizable

Applications:

The ZHUOLI Single Row Slewing Bearing, model number RKS. 062.20.0414, is a high-precision, high-load capacity bearing designed to meet the rigorous demands of various industrial applications. Manufactured in China and certified with ISO9001, this product ensures superior quality and reliability. Its bolted mounting type provides easy installation and secure fitting, making it an ideal choice for equipment requiring robust and stable rotational movement.

This slewing bearing is particularly suited for use in Dual Axis Slew Drive systems, where precise and smooth rotational motion around multiple axes is critical. The integration of the ZHUOLI Single Row Slewing Bearing in Dual Axis Slew Drive mechanisms enhances operational efficiency and durability, especially in heavy-duty machinery that demands high load capacity and accurate positioning. The bearing's high precision ensures minimal backlash, which is essential for applications requiring exact movements.

Another significant advantage of this slewing bearing is its lubrication with grease, which reduces friction and wear, extending the service life of the bearing even under harsh environmental conditions. The lubrication system is designed to maintain optimal performance, ensuring continuous smooth operation without frequent maintenance needs.

The ZHUOLI Single Row Slewing Bearing also incorporates advanced ceramic sliding bearing technology. This feature provides excellent resistance to corrosion and wear, further improving the bearing's longevity and performance. The ceramic sliding bearing element is particularly beneficial in applications exposed to abrasive or corrosive environments, where traditional metal bearings might fail prematurely.

Typical application occasions for the ZHUOLI Single Row Slewing Bearing include heavy machinery such as cranes, excavators, and

wind turbines, where robust load handling and precise movement are essential. It is also widely used in robotics, medical equipment, and aerospace sectors, where the combination of high precision and load capacity ensures reliable and accurate operation. Additionally, industries that utilize Dual Axis Slew Drive systems benefit significantly from the superior performance characteristics of this bearing. In summary, the ZHUOLI RKS. 062.20.0414 Single Row Slewing Bearing is a versatile and high-performance solution for various industrial applications demanding high load capacity, precision, and durability. Its compatibility with Dual Axis Slew Drive configurations and integration of ceramic sliding bearing technology make it an excellent choice for modern machinery requiring reliable and efficient rotational movement.

Customization:

ZHUOLI offers customized Single Row Slewing Bearing solutions designed to meet your specific needs. Our model RKS. 062.20.0414 is manufactured in CHINA with high-quality steel material, ensuring durability and reliability. Certified by ISO9001, this Excavator Slewing Bearing operates efficiently within a temperature range of -40°C to 80°C. The bearing features a sealed design to protect against contaminants, enhancing its lifespan and performance.

We specialize in customizing the Single Row type Excavator Slewing Bearing to fit various applications. Whether you require specific dimensions, sealing options, or performance characteristics, ZHUOLI can tailor the product to your requirements. Our commitment includes a 1-year warranty, guaranteeing quality and customer satisfaction.

Choose ZHUOLI for your Excavator Slewing Bearing needs and benefit from expert customization services that ensure optimal performance and longevity of your equipment.

Support and Services:

Our Single Row Slewing Bearing products are backed by comprehensive technical support and services to ensure optimal performance and longevity. We offer expert consultation during the selection process to help you choose the right bearing for your application. Installation guidance and detailed manuals are provided to facilitate correct mounting and maintenance procedures, reducing the risk of operational issues. Our technical team is available to assist with troubleshooting and to answer any queries related to product performance and compatibility.

We also provide customized solutions tailored to specific operational requirements and environmental conditions. Regular maintenance services and inspection support help in early detection of wear and tear, ensuring reliability and safety in your machinery.

In addition, training sessions and workshops are available to equip your maintenance personnel with the necessary skills to handle, install, and maintain the Single Row Slewing Bearings effectively.

Our commitment is to deliver not only high-quality products but also continuous support to maximize the efficiency and lifespan of your equipment.



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