



## Bolted Mounting Type Single Row Slewing Bearing Customizable High Precision Engineered for Precision Positioning Systems

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

- Precision: High
- Load Capacity: High
- Warranty: 1 Year
- Trademark: Neutral/OEM/According To Customized
- Size: Customizable
- Application: Slewing
- Sealing: Sealed
- Corrosion Resistance: Yes
- Highlight: **bolted mounting slewing bearing,  
customizable single row bearing,  
high precision slewing bearing**

Product Description:

The Single Row Slewing Bearing is a highly efficient and reliable component designed for applications requiring smooth and precise rotational movement. Engineered to support high rotational speeds, this bearing is ideal for heavy-duty machinery and equipment where performance and durability are paramount. Its robust construction ensures that it can withstand the demanding conditions commonly encountered in industrial environments, making it a preferred choice for various mechanical systems.

One of the standout features of this Single Row Slewing Bearing is its bolted mounting type. This design allows for secure and stable installation, ensuring that the bearing remains firmly in place during operation. The bolted mounting enhances the ease of assembly and disassembly, facilitating maintenance and replacement procedures. This is particularly beneficial in applications where downtime needs to be minimized, such as in construction and heavy machinery industries.

Specifically designed for slewing applications, this bearing excels in providing smooth rotational movement with minimal friction. It is frequently utilized in equipment that requires precise swiveling and turning capabilities, such as excavators, cranes, and wind turbines. In fact, the Single Row Slewing Bearing is a critical component in Excavator Slewing Ring Bearings, where it supports the upper structure's rotation relative to the undercarriage, enabling efficient and controlled movement on construction sites.

Sealing is another key aspect of this product. The bearing is fully sealed to protect its internal components from contaminants such as dust, dirt, and moisture. This sealed design significantly extends the service life of the bearing by preventing ingress of harmful particles that could cause wear or corrosion. The sealing also reduces the need for frequent lubrication, contributing to lower maintenance costs and enhanced operational reliability.

Corrosion resistance is an essential attribute of the Single Row Slewing Bearing, ensuring its longevity in harsh environments. The bearing is manufactured using high-quality materials and treated with protective coatings that resist rust and corrosion. This makes it suitable for use in outdoor and marine applications where exposure to moisture and corrosive elements is common. The corrosion resistance feature guarantees sustained performance and reduces the likelihood of unexpected failures due to environmental factors.

In addition to its standalone use, this bearing is an integral part of Dual Axis Slew Drive systems, which require precise and reliable rotational components to function effectively. The Single Row Slewing Bearing's design supports the complex movements and load requirements of dual axis slew drives, making it an essential bearing spare part for companies specializing in advanced motion solutions. Its compatibility with various slew drive systems highlights its versatility and adaptability across different mechanical setups.

For industries and businesses looking to procure bearing spare parts, the Single Row Slewing Bearing offers a dependable and cost-effective solution. Its combination of high rotational speed capability, bolted mounting, sealed protection, and corrosion resistance ensures optimal performance and durability. Whether used in excavators, cranes, wind turbines, or other heavy machinery, this bearing stands out as a vital component that enhances operational efficiency and reliability.

In summary, the Single Row Slewing Bearing is a superior product designed to meet the rigorous demands of slewing applications. Its high rotational speed capability, bolted mounting type, sealed construction, and corrosion-resistant features make it an indispensable part of modern machinery. The bearing's relevance in Dual Axis Slew Drive systems and Excavator Slewing Ring Bearing assemblies further underscores its importance in various industrial sectors. Choosing this bearing means investing in quality, durability, and performance that will support your equipment's smooth and efficient operation for years to come.

Technical Parameters:

Trademark	Neutral/OEM/According To Customized
Corrosion Resistance	Yes
Material	Steel
Precision	High
Load Capacity	High
Lubrication	Grease
Bearing Type	Slewing Bearing
Size	Customizable
Warranty	1 Year
Type	Single Row

Applications:

The ZHUOLI Single Row Slewing Bearing, model number RKS. 062.20.0414, is a high-quality product proudly manufactured in China. Certified with ISO9001, this slewing bearing is designed to meet rigorous industry standards, ensuring reliability and performance in various demanding applications. Constructed from premium steel, it offers excellent corrosion resistance and durability, making it ideal for prolonged use in challenging environments.

This single row slewing bearing is widely used in scenarios requiring high load capacity and smooth rotational movement. Its grease lubrication system guarantees efficient operation and minimal maintenance, enhancing the overall lifespan of the bearing. Whether in heavy machinery or industrial equipment, the ZHUOLI slewing bearing delivers dependable performance under high stress and load conditions.

One of the common application occasions for this product is in the support and rotation mechanisms of heavy equipment such as cranes, excavators, and wind turbines. The slewing bearing serves as a critical component in facilitating rotational motion while bearing substantial loads. Additionally, it is often integrated with other bearing types, such as the Double Row Cylindrical Roller Bearing, to optimize load distribution and mechanical stability in complex assemblies.

In automotive and transportation sectors, the ZHUOLI single row slewing bearing is essential in the construction of Drive Shaft Center Bearings, where it helps to maintain alignment and absorb radial and axial loads effectively. This ensures smooth rotation and reduces

vibration, contributing to the overall efficiency and longevity of the drive shaft system. The product's adaptability is further reflected in its availability under neutral, OEM, or fully customized trademarks, catering to various client specifications and branding requirements. Whether used in industrial machinery, automotive components, or specialized equipment, the ZHUOLI single row slewing bearing stands out for its high load capacity, corrosion resistance, and superior material quality. In summary, the ZHUOLI RKS. 062.20.0414 Single Row Slewing Bearing is an excellent choice for applications demanding robust performance and durability. Its compatibility with Drive Shaft Center Bearing assemblies and synergy with Double Row Cylindrical Roller Bearings make it a versatile and reliable solution across multiple industries and operational scenarios.

**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 with ISO9001, this Excavator Slewing Ring Bearing is designed to meet your specific requirements. Our Single Row Slewing Bearing features a sealed design ensuring excellent corrosion resistance and reliable performance within an operating temperature range of -40°C to 80°C. Whether you need a Center Driveshaft Support Bearing or an Excavator Slewing Ring Bearing, we provide flexible trademark options including Neutral, OEM, or fully customized branding to suit your business needs. Every product is backed by a 1-year warranty, reflecting our commitment to quality and customer satisfaction. Trust ZHUOLI for tailored solutions that optimize the performance and durability of your heavy machinery components.

**Support and Services:**

Our Single Row Slewing Bearings are designed for high performance and durability in various industrial applications. To ensure optimal operation and longevity, we provide comprehensive technical support and services. Technical Support: Our team of experts is available to assist you with product selection, installation guidance, and troubleshooting. We offer detailed technical documentation, including installation manuals, maintenance guidelines, and load capacity charts to help you understand the proper use and care of your slewing bearing. Services: We provide customized solutions tailored to your specific application requirements. Our services include bearing inspection, condition monitoring, repair, and refurbishment to extend the service life of your slewing bearings. Additionally, we offer training sessions for your maintenance personnel to ensure proper handling and maintenance procedures are followed. By choosing our Single Row Slewing Bearings and support services, you benefit from reliable performance, reduced downtime, and enhanced operational efficiency.



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