



Customizable Corrosion Resistance Yes Single Row Slewing Bearing High Precision Solution for Material Handling Machines

Our Product Introduction

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Basic Information

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



Customizable Corrosion Resistance Yes
Single Row Slewing Bearing High Precision
Solution for Material Handling Machines

Product Specification

- Warranty: 1 Year
- Operating Temperature: -40°C To 80°C
- Sealing: Sealed
- Rotational Speed: High
- Type: Single Row
- Corrosion Resistance: Yes
- Bearing Type: Slewing Bearing
- Trademark: Neutral/OEM/According To Customized
- Highlight: Customizable single row slewing bearing,
Corrosion resistant slewing bearing,
High precision material handling bearing

Product Description:

The Single Row Slewing Bearing is a highly reliable and versatile component designed to provide smooth rotational movement in various heavy-duty applications. As a critical part of many industrial machines, this slewing bearing is engineered to deliver exceptional performance, durability, and precision. It is specifically manufactured as a bolted mounting type, ensuring secure installation and easy maintenance, which makes it an ideal choice for equipment requiring stable and robust rotational support.

One of the standout features of this Single Row Slewing Bearing is its high precision, which guarantees efficient and accurate operation. This precision is crucial in applications where even the slightest misalignment can lead to operational inefficiencies or mechanical failures. The bearing's design ensures minimal friction and smooth rotation, thereby enhancing the overall lifespan of the machinery in which it is installed. Whether used in heavy machinery or delicate equipment, the bearing maintains consistent performance under varying load conditions.

Corrosion resistance is another significant advantage of this slewing bearing. It is constructed from premium materials that are treated to withstand harsh environmental conditions, including moisture, dust, and chemical exposure. This corrosion resistance ensures that the bearing remains operational and maintains its structural integrity even in challenging outdoor or industrial environments. As a result, downtime due to bearing failure is minimized, improving productivity and reducing maintenance costs.

Designed with durability in mind, this Single Row Slewing Bearing comes with a 1-year warranty, reflecting the manufacturer's confidence in the product's quality and reliability. The warranty provides peace of mind to users, assuring them that any defects or performance issues within the warranty period will be addressed promptly. This commitment to quality makes the bearing a trustworthy component for critical applications.

It is important to note that while the Single Row Slewing Bearing excels in many aspects, it is part of a broader family of bearings that includes the Double Row Cylindrical Roller Bearing, Excavator Slewing Ring Bearing, and Center Driveshaft Support Bearing. Each of these bearings serves unique roles within machinery. For instance, the Double Row Cylindrical Roller Bearing is known for its ability to handle heavy radial loads and is often used in conjunction with slewing bearings to enhance load distribution. The Excavator Slewing Ring Bearing is specially designed to support the rotational movement of excavator upper structures, providing stability and smooth operation under heavy loads. Meanwhile, the Center Driveshaft Support Bearing plays a critical role in supporting the driveshaft in various vehicles and machinery, ensuring alignment and reducing vibration.

The Single Row Slewing Bearing distinguishes itself by offering a balanced combination of high precision, corrosion resistance, and robust mounting through its bolted installation. This makes it highly suitable for applications such as cranes, wind turbines, medical equipment, and construction machinery, where reliable rotational movement and load handling are essential. Its ability to resist environmental degradation and maintain operational accuracy underpins its widespread use in demanding industrial sectors.

In summary, the Single Row Slewing Bearing is a premium-quality slewing bearing that promises long-lasting performance, precision, and resilience. Its bolted mounting type ensures secure attachment, while its corrosion-resistant properties make it ideal for challenging environments. Backed by a 1-year warranty, this bearing is a dependable choice for industries requiring dependable rotational components. When considered alongside other specialized bearings like the Double Row Cylindrical Roller Bearing, Excavator Slewing Ring Bearing, and Center Driveshaft Support Bearing, it forms a critical part of a comprehensive bearing solution set designed to meet diverse operational needs.

Technical Parameters:

| | |
|-----------------------|-------------------------------------|
| Lubrication | Grease |
| Mounting Type | Bolted |
| Corrosion Resistance | Yes |
| Precision | High |
| Warranty | 1 Year |
| Load Capacity | High |
| Application | Slewing |
| Operating Temperature | -40°C To 80°C |
| Sealing | Sealed |
| Trademark | Neutral/OEM/According To Customized |

Applications:

The ZHUOLI Single Row Slewing Bearing, model number RKS. 062.20.0414, is a high-quality, customizable slewing bearing designed and manufactured in China. Certified with ISO9001, this single row slewing bearing is renowned for its robust load capacity and exceptional performance in various industrial applications. As a key bearing spare part, it plays a critical role in ensuring smooth rotational movement and reliable operation in heavy-duty machinery.

This single row slewing bearing is widely used in numerous application occasions and scenarios where precise and efficient slewing is essential. One of the primary application areas includes heavy construction equipment such as cranes, excavators, and aerial work platforms, where the bearing facilitates the rotation of large structures. Its high load capacity ensures it can withstand substantial axial, radial, and moment loads, making it ideal for demanding environments.

In addition to construction machinery, the ZHUOLI RKS. 062.20.0414 slewing bearing is extensively used in renewable energy sectors, particularly in wind turbines. The bearing's customizable size and single row design allow it to accommodate the specific requirements of wind turbine slewing systems, enabling smooth rotation of the turbine blades and nacelle. This contributes significantly to the efficiency and longevity of wind power generation equipment.

Another important scenario where this bearing is utilized is in industrial automation and robotic systems. The single row slewing bearing

provides precise rotational movement and stability, which is crucial for robotic arms and dual axis slew drive systems. These systems require reliable and durable components to maintain accuracy and performance during complex, multi-directional movements. Moreover, the ZHUOLI single row slewing bearing can be used as a replacement or upgrade part in equipment originally designed with double row cylindrical roller bearing configurations. Its adaptability and high load capacity make it a valuable alternative, offering enhanced performance and simplified maintenance. This versatility further underscores its importance as a bearing spare part across various industries.

Overall, the ZHUOLI Single Row Slewing Bearing RKS. 062.20.0414 is an essential component for applications requiring reliable slewing mechanisms, including dual axis slew drive systems, heavy machinery, renewable energy installations, and industrial robotics. Its customizable design, certified quality, and high load capacity ensure it meets the rigorous demands of modern engineering applications.

Customization:

ZHUOLI offers comprehensive product customization services for our Single Row Slewing Bearing, model number RKS. 062.20.0414.

Manufactured in CHINA and certified with ISO9001, this high-quality steel bearing is designed to meet your specific needs with a warranty of 1 year. Our customization options include neutral, OEM, or tailored trademarks to fit your branding requirements.

Our Single Row Slewing Bearing is engineered to handle a high load capacity and operate efficiently within a temperature range of -40°C to 80°C, making it ideal for demanding applications. We also specialize in related products such as Dual Axis Slew Drive and Double Row Cylindrical Roller Bearing, ensuring a broad selection for heavy machinery needs.

Whether you require bearings for Excavator Slewing Bearing systems or other industrial uses, ZHUOLI's customization services guarantee precision, durability, and performance. Contact us to customize your Single Row Slewing Bearing with exact specifications and branding preferences to optimize your equipment's operational efficiency.

Support and Services:

Our Single Row Slewing Bearing product is designed to provide reliable rotational support for a wide range of heavy-duty applications. To ensure optimal performance and longevity, we offer comprehensive technical support and services tailored to your specific needs.

Technical Support:

Our experienced engineers are available to assist with product selection, application design, and troubleshooting. We provide detailed guidance on installation procedures, load ratings, lubrication requirements, and maintenance schedules to help you maximize the efficiency and lifespan of your slewing bearing.

Installation Services:

Proper installation is critical for the performance of Single Row Slewing Bearings. We offer professional installation services performed by trained technicians who follow industry best practices and manufacturer specifications to ensure accurate alignment and secure mounting.

Maintenance and Inspection:

Regular maintenance is essential to prevent unexpected downtime and extend bearing life. Our services include routine inspections, condition monitoring, lubrication management, and timely replacement of worn components. We provide customized maintenance plans based on your operating conditions.

Repair and Overhaul:

In the event of bearing damage or wear, our repair and overhaul services restore the functionality of your slewing bearing. We utilize advanced diagnostic tools and precision machining to refurbish components, ensuring they meet original performance standards.

Training and Documentation:

We offer training programs for your maintenance and engineering teams, covering product features, installation techniques, and troubleshooting methods. Comprehensive documentation, including manuals and technical datasheets, is provided to support your operations.

By choosing our Single Row Slewing Bearing and associated support services, you benefit from enhanced reliability, reduced downtime, and optimized operational efficiency. Our commitment is to deliver expert assistance throughout the lifecycle of your bearing.



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