



40°C To 80°C Excavator Slewing Ring Bearing High Strength Slewing Bearing Ideal For Excavator Mechanical Applications

Our Product Introduction

Basic Information

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



Product Specification

- Mounting Type: Bolted
- Size: Customizable
- Trademark: Neutral/OEM/According To Customized
- Type: Single Row
- Application: Slewing
- Lubrication: Grease
- Corrosion Resistance: Yes
- Sealing: Sealed
- Highlight: 40°C to 80°C excavator slewing bearing,
high strength slewing ring bearing,
excavator mechanical 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 needs of various industrial applications. Engineered with precision, this bearing type offers exceptional performance in scenarios requiring smooth rotational movement and the ability to handle significant axial and radial loads. As its name suggests, this slewing bearing features a single row of rolling elements, providing a perfect balance between compact design and robust functionality.

One of the standout attributes of this Single Row Slewing Bearing is its capability to operate at high rotational speeds. This makes it ideal for applications where rapid and continuous motion is essential, such as in cranes, wind turbines, and automated machinery. The high-speed performance does not compromise its durability, thanks to advanced materials and manufacturing techniques that ensure long-lasting operation under strenuous conditions.

Customization is a key feature of this product. The size of the Single Row Slewing Bearing can be tailored to meet specific requirements, allowing it to fit seamlessly into a wide range of mechanical assemblies. Whether the application demands a compact solution or a larger diameter bearing, this product can be adapted accordingly, ensuring optimal integration and performance.

Sealing technology is another critical aspect of this bearing. It comes equipped with a sealed design that protects the internal components from contamination by dust, dirt, and moisture. This sealing extends the bearing's service life by maintaining lubrication and preventing the ingress of harmful particles, which could otherwise lead to premature wear or failure.

Customers can also benefit from a 1-year warranty, underscoring the manufacturer's confidence in the quality and reliability of the Single Row Slewing Bearing. This warranty provides peace of mind, ensuring that any defects or issues arising within the warranty period will be addressed promptly and professionally.

In addition to its core features, this Single Row Slewing Bearing is often used in conjunction with other advanced bearing technologies.

For instance, ceramic sliding bearings are sometimes integrated into the design to enhance wear resistance and reduce friction, especially in high-speed or high-load environments. The use of ceramic materials contributes to improved thermal stability and longer maintenance intervals.

Moreover, while the Single Row Slewing Bearing is an excellent standalone solution, it is frequently compared with or used alongside dual axis slew drives and double row cylindrical roller bearings in complex machinery. Dual axis slew drives offer multi-directional rotation capabilities, which complement the single-axis movement of the Single Row Slewing Bearing, enabling more versatile motion control systems. Meanwhile, double row cylindrical roller bearings provide higher load capacities and are suitable for applications where heavier loads and greater rigidity are required.

Overall, the Single Row Slewing Bearing represents a perfect fusion of precision engineering, customizable sizing, and robust sealing technology. Its high rotational speed capacity and reliable performance make it indispensable in industries ranging from construction and energy to robotics and manufacturing. With a solid warranty backing and compatibility with advanced bearing types such as ceramic sliding bearings, dual axis slew drives, and double row cylindrical roller bearings, this product stands out as a versatile and dependable choice for engineers and designers worldwide.

Technical Parameters:

Lubrication	Grease
Bearing Type	Slewing Bearing
Application	Slewing (Excavator Slewing Ring Bearing, Dual Axis Slew Drive)
Material	Steel (Ceramic Sliding Bearing option available)
Size	Customizable
Operating Temperature	-40°C To 80°C
Mounting Type	Bolted
Corrosion Resistance	Yes
Rotational Speed	High
Sealing	Sealed

Applications:

The ZHUOLI Single Row Slewing Bearing, model number RKS. 062.20.0414, is a high-quality component designed to meet the demanding requirements of various heavy-duty applications. Manufactured in China and certified with ISO9001, this slewing bearing ensures superior reliability and performance. Its bolted mounting type provides secure installation, while the customizable size option allows it to fit a wide range of machinery and equipment. Suitable for operating temperatures ranging from -40°C to 80°C, this bearing maintains optimal functionality even in extreme environmental conditions.

This Single Row Slewing Bearing is particularly ideal for use as an Excavator Slewing Ring Bearing, where high rotational speed and durability are essential. It enables smooth and efficient rotation of the excavator's upper structure, contributing to enhanced operational efficiency and extended equipment lifespan. The robust construction and precise engineering of the ZHUOLI slewing bearing ensure that it can withstand heavy loads and harsh working environments commonly encountered in construction and mining operations.

In addition to its application in excavators, the ZHUOLI Single Row Slewing Bearing serves as an excellent Drive Shaft Center Bearing. Its design accommodates high rotational speeds, providing stable support to the drive shaft and reducing vibrations and wear. This makes it suitable for various industrial machines and automotive applications that demand reliable rotational components.

Furthermore, as an Excavator Slewing Bearing, this product excels in facilitating smooth and accurate slewing movements, which are critical for the precise positioning and maneuvering of excavator arms and attachments. The combination of its high-quality materials, ISO9001 certification, and customizable specifications ensures that the ZHUOLI slewing bearing can be tailored to meet specific operational needs and performance criteria.

Overall, the ZHUOLI Single Row Slewing Bearing RKS. 062.20.0414 is a versatile and dependable solution for numerous mechanical applications. Whether used in heavy construction equipment like excavators or as a drive shaft support bearing in various machines, it delivers exceptional performance, durability, and adaptability across diverse working scenarios.

Customization:

The ZHUOLI Single Row Slewing Bearing, model number RKS. 062.20.0414, is a high-quality product made in CHINA and certified with ISO9001 standards. This bearing features a sealed design and a bolted mounting type, ensuring secure and reliable installation for various slewing applications. With excellent corrosion resistance, it is built to withstand harsh environments and provide long-lasting performance. The product comes with a 1-year warranty, reflecting our confidence in its durability and quality. Our Single Row Slewing Bearing is ideal for use as a Center Driveshaft Support Bearing, offering robust support and smooth rotation. Additionally, it incorporates advanced Ceramic Sliding Bearing technology, enhancing wear resistance and reducing maintenance needs. This makes it an excellent choice for applications requiring precision and longevity. Choose ZHUOLI for your Ceramic Sliding Bearing needs and experience superior slewing performance combined with dependable service and customization options tailored to your specific requirements.

Support and Services:

Our Single Row Slewing Bearings are designed for high performance and durability in various heavy-duty applications. To ensure optimal operation and longevity of your slewing bearing, we provide comprehensive technical support and services. We offer expert guidance on installation procedures, maintenance practices, and troubleshooting to help you maximize the efficiency and lifespan of your slewing bearing. Our technical support team is equipped to assist with bearing selection, load calculations, and custom solutions tailored to your specific application requirements. Regular maintenance services include lubrication schedules, inspection routines, and condition monitoring to detect early signs of wear or damage. We also provide repair and refurbishment services to restore the performance of your slewing bearings, minimizing downtime and replacement costs. For any technical inquiries or service needs, please refer to the product documentation or reach out to our support team to receive prompt and professional assistance.



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