



High Rotational Speed Drive Shaft Center Bearing Featuring Grease Lubrication Engineered to Deliver Smooth Rotation and Support

Our Product Introduction

Basic Information

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



Product Specification

- Precision: High
- Application: Slewing
- Sealing: Sealed
- Mounting Type: Bolted
- Rotational Speed: High
- Bearing Type: Slewing Bearing
- Lubrication: Grease
- Operating Temperature: -40°C To 80°C
- Highlight: **high speed drive shaft bearing,
grease lubricated slewing bearing,
smooth rotation center bearing**

Product Description:

The Single Row Slewing Bearing is a high-performance rotational component designed to meet the rigorous demands of various industrial applications. Engineered from premium quality steel, this bearing offers exceptional strength, durability, and resistance to wear, ensuring reliable operation even under challenging conditions. Its robust construction allows it to withstand substantial axial, radial, and moment loads, making it an ideal choice for heavy machinery, construction equipment, and other mechanical systems requiring precise rotational support.

One of the standout features of the Single Row Slewing Bearing is its ability to operate efficiently within a broad temperature range, from -40°C to 80°C. This wide operating temperature range enables the bearing to perform consistently in harsh environments, including extreme cold and elevated heat, without compromising its structural integrity or functionality. Such adaptability makes it suitable for outdoor applications and industries where temperature fluctuations are common.

Designed for high rotational speeds, the Single Row Slewing Bearing ensures smooth and stable motion, reducing friction and minimizing wear over time. This makes it an excellent choice for applications that demand rapid and continuous rotation, such as in wind turbines, cranes, and robotic arms. Its high-speed capability also contributes to improved operational efficiency and extended service life of the equipment it supports.

The Single Row Slewing Bearing is versatile in terms of branding and customization. It is available under a neutral or OEM trademark, and can also be manufactured according to customized specifications to meet unique client requirements. This flexibility allows businesses to integrate the bearing seamlessly into their systems while maintaining brand consistency or tailoring the product to specific technical needs.

Warranty coverage is a critical aspect of product reliability, and this Single Row Slewing Bearing comes with a comprehensive 1-year warranty. This assurance reflects the manufacturer's confidence in the bearing's quality and performance, providing customers with peace of mind and protection against potential defects or malfunctions within the warranty period.

In addition to the Single Row Slewing Bearing, it is important to note the relationship and complementary use with other bearing types such as the Double Row Cylindrical Roller Bearing and the Center Driveshaft Support Bearing. The Double Row Cylindrical Roller Bearing, known for its capability to handle heavy radial loads and moderate axial loads in both directions, often works in conjunction with slewing bearings to enhance the overall stability and load distribution of mechanical systems. Similarly, the Center Driveshaft Support Bearing plays a crucial role in supporting the driveshaft, ensuring smooth rotation and reducing vibration, which complements the function of slewing bearings in dynamic machinery.

Overall, the Single Row Slewing Bearing is a reliable, efficient, and adaptable component that addresses the critical needs of modern mechanical and industrial applications. Its steel construction, high-speed rotational capacity, wide operating temperature range, and customizable branding options make it a preferred choice for engineers and manufacturers seeking durable and high-quality slewing solutions. With the added benefit of a 1-year warranty, this bearing guarantees both performance and peace of mind, solidifying its position as a vital element in the realm of rotational bearings.

Technical Parameters:

Lubrication	Grease
Sealing	Sealed
Precision	High
Warranty	1 Year
Size	Customizable
Type	Single Row
Operating Temperature	-40°C To 80°C
Material	Steel
Corrosion Resistance	Yes
Trademark	Neutral/OEM/According To Customized

Applications:

The ZHUOLI Single Row Slewing Bearing, model number RKS. 062.20.0414, is a high-quality bearing product originating from China and certified with ISO9001 standards. Renowned for its robust design and superior performance, this slewing bearing is engineered to meet the demanding requirements of various industrial applications. Its single row configuration offers excellent load capacity, making it ideal for heavy-duty operations. The bearing is equipped with grease lubrication, ensuring smooth operation and prolonged service life, while its corrosion resistance enhances durability even in harsh environments.

This product is particularly suited for use as an Excavator Slewing Bearing, where reliable rotation and high load capacity are critical. Excavators require durable and efficient slewing bearings to support the rotational movement of the boom and arm, and the ZHUOLI Single Row Slewing Bearing meets these demands with precision and strength. Its corrosion-resistant properties further ensure that the bearing performs consistently in outdoor construction sites exposed to moisture and varying weather conditions.

In addition to excavators, the ZHUOLI single row slewing bearing is an excellent choice for systems incorporating a Dual Axis Slew Drive. This application demands bearings that can support complex rotational movements and high radial and axial loads simultaneously. The high load capacity and corrosion resistance of this single row slewing bearing make it well-suited for such advanced mechanical systems, providing dependable performance and stability.

Other application occasions include heavy machinery such as cranes, wind turbines, and industrial turntables where reliable slewing bearings are essential for rotational movement. The grease lubrication system ensures minimal maintenance and reduces downtime, which is crucial in industrial and construction scenarios. The ZHUOLI brand's commitment to quality and innovation is reflected in this

product, making it a trusted choice across various sectors requiring precision slewing bearings. Overall, the ZHUOLI Single Row Slewing Bearing is designed to deliver outstanding performance in demanding environments. Whether used as an Excavator Slewing Bearing, integrated into a Dual Axis Slew Drive, or applied in other heavy machinery, it offers corrosion resistance, high load capacity, and smooth operation, ensuring long-lasting reliability and efficiency.

Customization:

ZHUOLI offers customized Single Row Slewing Bearing solutions, model number RKS-062.20.0414, designed and manufactured in CHINA with ISO9001 certification. Our Single Row Slewing Bearings are made from high-quality steel, ensuring excellent corrosion resistance and durability for various slewing applications. These bearings are ideal for use as Center Driveshaft Support Bearings and Drive Shaft Center Bearings, providing reliable performance and long service life. Additionally, our products are perfectly suited for heavy machinery such as Excavator Slewing Ring Bearings, delivering superior load capacity and smooth operation. Trust ZHUOLI to customize your slewing bearing needs with precision and quality.

Support and Services:

Our Single Row Slewing Bearings are designed to provide reliable rotational support for a wide range of applications, including cranes, excavators, wind turbines, and industrial machinery. To ensure optimal performance and longevity, we offer comprehensive technical support and services.

Technical Support:

Our experienced engineering team is available to assist with product selection, installation guidance, and troubleshooting. We provide detailed technical documentation, including load ratings, dimensional drawings, and maintenance instructions to help you integrate the slewing bearings seamlessly into your equipment.

Installation Services:

Proper installation is critical for the performance of single row slewing bearings. We offer expert consultation and on-site support to ensure correct mounting, alignment, and preloading. Our services include supervision during installation and verification of bearing functionality before commissioning.

Maintenance and Repair:

Regular maintenance is essential to maximize the service life of slewing bearings. We provide maintenance schedules, lubrication recommendations, and inspection procedures. In case of wear or damage, our repair services include reconditioning, replacement of components, and technical evaluation to restore bearing performance.

Custom Solutions:

Understanding that different applications have unique requirements, we offer customization options in terms of size, load capacity, sealing solutions, and materials. Our team works closely with customers to develop tailored bearing solutions that meet specific operational demands.

Training and Support Materials:

We provide training sessions and detailed manuals to equip your maintenance and engineering teams with the necessary knowledge to handle single row slewing bearings effectively. This includes best practices for installation, operation, and troubleshooting to minimize downtime.

By choosing our Single Row Slewing Bearings and support services, you gain access to a dedicated partner committed to ensuring the reliability and efficiency of your rotational 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