



High Rotational Speed Single Row Slewing Bearing Offering High Precision and Corrosion Resistance for Robust Performance

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
- Precision: High
- Bearing Type: Slewing Bearing
- Application: Slewing
- Rotational Speed: High
- Lubrication: Grease
- Corrosion Resistance: Yes
- Highlight: **high speed single row slewing bearing,
corrosion resistant slewing bearing,
precision single row slewing bearing**

Product Description

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The Single Row Slewing Bearing is a critical component designed to meet the demanding requirements of modern machinery that involves rotational movement. Engineered with precision and manufactured from high-quality steel, this slewing bearing ensures exceptional durability, strength, and reliability. As a single row bearing type, it is specifically optimized to handle axial, radial, and moment loads, making it an ideal choice for applications requiring smooth and efficient slewing motion.

One of the standout features of this Single Row Slewing Bearing is its high rotational speed capability. This characteristic makes it highly suitable for equipment that demands rapid and continuous rotational movements without compromising performance or safety. The bearing's design minimizes friction and wear, thereby extending its operational life and reducing maintenance frequency. This efficiency directly benefits industries relying on continuous or heavy-duty slewing operations.

Manufactured predominantly from steel, the material selection plays a vital role in the bearing's performance. Steel offers excellent toughness, fatigue resistance, and the ability to withstand harsh environmental conditions. This robustness ensures that the slewing bearing can operate reliably even under extreme loads and challenging work environments. The use of steel also contributes to the bearing's overall stability and precision during operation, which is essential for maintaining the accuracy and safety of the machinery it supports.

As a slewing bearing type, this product is tailored for rotational applications where a large diameter bearing is necessary to support heavy loads while enabling smooth rotational movement. Its single row configuration simplifies installation and maintenance while still providing substantial load-carrying capacity. This makes it an excellent choice for a wide range of machinery and equipment that require dependable slewing performance.

The Single Row Slewing Bearing is extensively used in various industrial applications, with one of the most prominent being in excavators. Specifically, it serves as a vital component in Excavator Slewing Ring Bearings, which are essential for the rotation of the excavator's upper structure relative to its undercarriage. This bearing enables the excavator to rotate efficiently and safely, facilitating precise digging, loading, and material handling operations. Given the demanding nature of construction and earthmoving tasks, the reliability and durability of the Excavator Slewing Ring Bearing are paramount.

In addition to excavators, this slewing bearing is also a preferred choice for other heavy machinery requiring slewing functionality, such as cranes, wind turbines, and industrial turntables. Its versatility and robust design make it an indispensable component in the realm of Bearing Spare Parts, where quality and performance are critical.

Maintenance and replacement considerations are also well-addressed by this Single Row Slewing Bearing. It is designed for ease of installation and compatibility with existing equipment, which minimizes downtime during repairs or upgrades. The availability of this bearing as a Bearing Spare Part ensures that machinery operators can maintain optimal performance and extend the lifespan of their equipment without extensive overhauls.

In summary, the Single Row Slewing Bearing is an essential bearing type that combines high rotational speed capability with the strength and durability of steel construction. Its role as an Excavator Slewing Ring Bearing highlights its importance in heavy machinery applications, where reliable slewing motion is critical. Suitable for a wide range of industrial uses, this bearing is a key component in Bearing Spare Parts inventories, ensuring continuous and efficient operation of equipment that depends on precise and robust slewing performance.

Technical Parameters:

Mounting Type	Bolted
Warranty	1 Year
Corrosion Resistance	Yes
Bearing Type	Slewing Bearing
Load Capacity	High
Size	Customizable
Sealing	Sealed
Material	Steel
Operating Temperature	-40°C To 80°C
Precision	High

Applications:

The ZHUOLI Single Row Slewing Bearing, model number RKS.062.20.0414, is a high-quality product originating from China and certified under ISO9001 standards. Designed for slewing applications, this bearing offers exceptional performance with its sealed structure and corrosion-resistant materials, ensuring durability and reliability in various demanding environments. Its high rotational speed capability makes it ideal for use in machinery and equipment where smooth and efficient rotational movement is essential.

This single row slewing bearing is widely used in numerous industrial and mechanical occasions. For instance, it is an integral component in heavy machinery such as cranes, excavators, and wind turbines, where precise and stable rotational movement is critical. The bearing's sealed design protects it from contaminants and harsh environmental conditions, extending its service life and reducing maintenance requirements.

In addition to its primary use, the ZHUOLI slewing bearing often complements other bearing types such as the Double Row Cylindrical Roller Bearing, providing enhanced load capacity and stability in complex mechanical systems. It also works effectively alongside components like the Drive Shaft Center Bearing and Center Driveshaft Support Bearing, supporting the rotational shafts and maintaining alignment in automotive and industrial drive systems.

The product's versatility is further highlighted by its availability under neutral, OEM, or customized trademarks, allowing it to be tailored to

specific client needs and application scenarios. Whether used in construction equipment, robotics, or renewable energy systems, the ZHUOLI Single Row Slewing Bearing ensures reliable slewing performance with minimal downtime. Overall, the ZHUOLI RKS. 062.20.0414 single row slewing bearing is an excellent choice for applications requiring high rotational speeds, corrosion resistance, and robust sealing. Its compatibility with other critical bearing components, including the Double Row Cylindrical Roller Bearing, Drive Shaft Center Bearing, and Center Driveshaft Support Bearing, makes it indispensable in modern mechanical design and engineering projects.

Customization:

ZHUOLI offers customized Product Customization Services for the Single Row Slewing Bearing, model number RKS. 062.20.0414, manufactured in CHINA with ISO9001 certification. This high-quality Excavator Slewing Ring Bearing is made from durable steel and designed for high rotational speed applications. Featuring a bolted mounting type, it is ideal for Excavator Slewing Bearing needs. Our customization options include Neutral, OEM, or fully customized trademarks to match your specific requirements. Whether you need a standard Excavator Slewing Bearing or a tailored solution, ZHUOLI ensures reliable performance and excellent service.

Support and Services:

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

Technical Support:

Our expert 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 bearing into your system efficiently.

Installation Services:

Proper installation is critical for the performance of slewing bearings. We offer installation supervision and training to ensure that bearings are mounted correctly, lubricated properly, and aligned according to specifications.

Maintenance and Inspection:

Regular maintenance is essential to extend the service life of the slewing bearing. We provide maintenance schedules, lubrication recommendations, and inspection procedures. Our team can also perform on-site inspections to detect early signs of wear or damage.

Repair and Replacement:

If your slewing bearing requires repair or replacement, we offer refurbishment services and supply genuine replacement parts to restore your equipment to optimal condition.

Custom Solutions:

We understand that each application has unique requirements. Our engineering team can work with you to design custom slewing bearings tailored to specific load capacities, sizes, and environmental conditions.

By choosing our Single Row Slewing Bearings and support services, you ensure high-quality performance, reduced downtime, and extended equipment life.



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