



High Precision Center Driveshaft Support Bearing Customizable Parts Engineered to Improve Vehicle Drivetrain Performance

Our Product Introduction

Basic Information

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



Product Specification

- Precision: High
- Sealing: Sealed
- Trademark: Neutral/OEM/According To Customized
- Corrosion Resistance: Yes
- Application: Slewing
- Lubrication: Grease
- Bearing Type: Slewing Bearing
- Size: Customizable
- Highlight: **High precision center driveshaft bearing,
Customizable drivetrain support bearing,
Single row slewing bearing with warranty**

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Product Description:

The Single Row Slewing Bearing is a high-precision bearing designed to meet the demanding requirements of various heavy-duty applications. As a crucial component in many industrial machines, this slewing bearing ensures smooth rotational movement and reliable performance under challenging conditions. It is particularly favored in applications such as excavators, cranes, wind turbines, and other large machinery that require robust rotational support.

One of the standout features of this slewing bearing is its exceptional precision, which guarantees accurate and stable rotation. The high precision manufacturing process ensures minimal runout and consistent performance, making it ideal for applications where reliability and accuracy are paramount. Whether used in the turntable of an excavator or the rotational platform of a crane, this bearing delivers superior results.

Customization is a key aspect of the Single Row Slewing Bearing. Understanding that different machines and applications have unique requirements, the bearing can be tailored in size to fit specific needs. This flexibility allows engineers and designers to integrate the bearing seamlessly into their systems, optimizing space and performance without compromising strength or durability.

Lubrication is critical for the longevity and efficient operation of any bearing. This slewing bearing is lubricated with high-quality grease, ensuring smooth motion and reducing wear over time. The grease lubrication system provides excellent protection against corrosion and contamination while maintaining consistent lubrication even under varying operating conditions. This feature is particularly beneficial in harsh environments where maintenance opportunities may be limited.

The operating temperature range of the Single Row Slewing Bearing is from -40°C to 80°C, offering reliable performance in extreme cold and moderately high-temperature environments. This wide temperature tolerance makes it suitable for outdoor applications exposed to severe weather conditions, including heavy machinery like excavators used in cold climates or industrial equipment subjected to heat generated during operation.

In addition to its standalone benefits, the Single Row Slewing Bearing is often utilized alongside other bearing types to enhance machine functionality. For example, it is commonly paired with Double Row Cylindrical Roller Bearings to manage combined radial and axial loads efficiently. This combination ensures optimal load distribution and extended service life for complex machinery components.

The Single Row Slewing Bearing also plays a vital role in systems involving Drive Shaft Center Bearings. By providing stable rotational support, it helps maintain the alignment and smooth operation of drive shafts, which are essential for transmitting power in various mechanical systems. Its robust design and high precision contribute significantly to the overall reliability and efficiency of these drive systems.

Specifically, the Excavator Slewing Bearing application highlights the product's capability to withstand heavy loads and harsh working environments. Excavators require bearings that can handle significant axial and radial forces while maintaining precise rotational movement. This Single Row Slewing Bearing meets these demands efficiently, ensuring that the excavator's rotating platform operates smoothly, improving operational accuracy and machine longevity.

Overall, the Single Row Slewing Bearing is a versatile, high-quality bearing solution designed for demanding industrial applications. Its high precision, customizable size, grease lubrication, and wide operating temperature range make it an excellent choice for various machinery, especially in heavy-duty equipment like excavators. By integrating this slewing bearing, manufacturers can enhance the performance, durability, and reliability of their machines, ensuring optimal operation under diverse conditions.

Technical Parameters:

Operating Temperature	-40°C To 80°C
Trademark	Neutral/OEM/According To Customized
Mounting Type	Bolted
Material	Steel
Size	Customizable
Load Capacity	High
Sealing	Sealed
Precision	High
Corrosion Resistance	Yes
Bearing Type	Slewing Bearing

Applications:

The ZHUOLI Single Row Slewing Bearing, model number RKS.062.20.0414, is a high-performance product manufactured in China and certified with ISO9001, ensuring superior quality and reliability. Designed with steel material, this bearing boasts a high load capacity, making it an ideal choice for heavy-duty applications where durability and strength are paramount. Its operational temperature range from -40°C to 80°C allows it to function efficiently in diverse environmental conditions, including extreme cold and moderate heat.

This slewing bearing is sealed and lubricated with grease, which guarantees long-lasting performance and reduces maintenance requirements by preventing contamination and ensuring smooth operation. The sealing mechanism also protects the internal components from dust and moisture, extending the bearing's service life. Compared to other bearing types such as Double Row Cylindrical Roller Bearing or Ceramic Sliding Bearing, the ZHUOLI Single Row Slewing Bearing offers a balanced combination of robustness, precision, and ease of use.

In terms of application occasions and scenarios, this bearing is widely utilized in industries that demand reliable rotational movement under heavy loads. It is commonly employed in construction machinery such as cranes, excavators, and concrete mixers, where the ability to withstand high loads and harsh conditions is critical. Additionally, it is suitable for use in wind turbines, where stable rotation and resistance to environmental factors are essential for energy generation.

Other scenarios include maritime equipment, where the bearing's sealing and lubrication help combat exposure to saltwater and corrosive environments. The ZHUOLI Single Row Slewing Bearing is also advantageous in robotics and automation systems, providing precise and reliable rotational motion for robotic arms and automated assembly lines. While Ceramic Sliding Bearings offer excellent wear resistance and low friction, and Double Row Cylindrical Roller Bearings deliver high radial load capacity, the ZHUOLI slewing bearing stands out for its comprehensive capabilities tailored for slewing applications.

Overall, the ZHUOLI RKS. 062.20.0414 Single Row Slewing Bearing is the optimal solution for any application requiring dependable rotation, high load capacity, and operation in variable temperature ranges. Its quality certifications, robust steel construction, and grease lubrication make it a trusted component across numerous industrial sectors, ensuring efficiency and longevity in demanding operational scenarios.

Customization:

ZHUOLI offers comprehensive product customization services for the Single Row Slewing Bearing, model number RKS. 062.20.0414. Manufactured in CHINA with ISO9001 certification, this high precision bearing is made from premium steel to ensure durability and reliability. Our Single Row Slewing Bearing is designed to operate efficiently within a temperature range of -40°C to 80°C, making it suitable for various demanding applications.

We specialize in customizing Excavator Slewing Ring Bearing and Excavator Slewing Bearing solutions tailored to your specific requirements. Whether you need a Ceramic Sliding Bearing or other specialized components, ZHUOLI can provide neutral, OEM, or fully customized trademarks to match your branding needs.

Backed by a 1-year warranty, our Single Row Slewing Bearings combine superior material quality and precision engineering to deliver excellent performance in heavy-duty machinery. Trust ZHUOLI for reliable and customizable slewing bearing products that meet your exact specifications.

Support and Services:

Our Single Row Slewing Bearings are designed to provide superior performance and reliability in various industrial applications. For technical support, our team of experts is available to assist with installation guidance, maintenance procedures, and troubleshooting to ensure optimal operation of your bearing.

We offer comprehensive services including custom design consultation, condition monitoring, and repair solutions to extend the lifespan of your slewing bearing. Our support also covers bearing selection advice to help you choose the right product based on your specific load and speed requirements.

Whether you need assistance with mounting techniques, lubrication recommendations, or replacement parts, our technical support team is committed to delivering prompt and effective solutions to minimize downtime and maximize productivity.

Trust our professional services to keep your Single Row Slewing Bearing operating smoothly and efficiently throughout its service life.



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