MERYDOM
cnslewingring.com

High Quality Slewing Bearing Manufacturer



About MERYDOM

Our culture, organizational structure, and unique competitive advantages.



ABOUT MERYDOM

- MERYDOM is a large high quality slewing bearings the comprehensive company with maufacture and trade, our trading office in ChangZhou city , our factory locats in XuZhou city that has been for the past 13 years.
- We export, wholesale and distribute slewing bearings under our MERYDOM brand name.
- We are an international team with employees based in the United States, Italy, Turkey, and other European countries. We serve customers from virtually every country in the world.
- Our goal is to provide professional solutions for users with high-quality and medium-volume slewing bearing needs, and become a trusted and indispensable manufacturing partner for users!There is no order too small and we strive to provide a great service to all.
- Whoever you are, and wherever you are, MERDOM provides light-speed service and fantastic prices.
- We manufacture these products ourselves so we can keep costs low while maintaining the highest of standards.



MERYDOM Culture
Modesty / Integrity / Freedom

The core culture of MERYDOM is built upon three important values: Modesty, Integrity, and Freedom. These values not only shape our daily operations but also guide our long-term development goals.

Modesty: We believe that maintaining a humble attitude helps us continually learn and improve. Regardless of our achievements, we remain humble, respecting the opinions of every partner and client, and striving to do our best in every project.

Integrity: Integrity is the cornerstone of all our actions. We are committed to being transparent and sincere with every client and employee. We understand that only on the basis of integrity can long-term trust relationships be established and maintained.

Freedom: We encourage every employee to unleash their creativity and unique talents. We believe that a free working environment not only stimulates employee potential but also brings more innovative solutions, thereby driving the company's continuous development.

Our goal is to become a responsible company, accountable not only to our clients and employees but also to society and the environment. We are committed to pursuing business success while actively fulfilling our social responsibilities to create a better future.



Our Mission
Working For A Sustainable Future.

We are committed to creating long-term value for our customers, employees, and society through innovation and sustainable development. We believe that by adhering to our core values of Modesty, Integrity, and Freedom, we can stand out in the global market, becoming an industry leader and a reliable partner.

The specific manifestations of our mission are as follows:

- **Customer Satisfaction:** We always prioritize the needs of our customers, creating value for them through high-quality products and services.
- **Employee Growth:** We provide freedom and support for our employees, allowing them to find a sense of belonging and achievement within the company.
- **Social Responsibility:** We actively fulfill our social responsibilities, committing to environmental protection and community development, and promoting a sustainable future.



MERYDOM
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Certificate



质量管理体系认证证书

注册号：035012403049 9R1S

兹 证 明

徐州杰恒回转支承有限公司

注册地址：江苏省徐州市铜山新区珠江路北，衡山路东

统一社会信用代码：91320312582292 92XR

管 理 体 系 符 合

GB/T 19001-2016 / ISO 9001:2015 标准

证书覆盖的范围

回转支承的生产和服务***

（生产场所：铜山新区珠江路北，衡山路东）

颁证日期：2024 年 5 月 20 日　　有效期最长可至：2027 年 5 月 19 日

IAF　CNAS

兴原认证中心有限公司



QUALITY MANAGEMENT
SYSTEM CERTIFICATE

Registration No. 035012403049 9R1S

This is to certify that

Xuzhou Jieheng Slewing Bearing Co., Ltd

East of Hengshan road, North of Zhujiang road, Tongshan district

Social Credit Code: 91320312582292 92XR

is in conformity with

GB/T 19001-2016 / ISO 9001:2015 Standard

Scope of certificate coverage

production and service of Slewing Bearing.

(Site Covered: East of Hengshan road, North of Zhujiang road, Tongshan district)

Date of issue: May 20, 2024　　Date of expiry at most: May 19, 2027

IAF　CNAS

XINGYUAN CERTIFICATION CENTRE CO., LTD.



营业执照

（副 本）

营业执照

（副 本）



UDEM

MACHINERY DIRECTIVE
ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2006/42/EC Machinery Directive Annex VII has been taken as references for these processes

Company Name : Changzhou Merydom Precision Technology Co., ltd.

Company Address : Room 915, Building 1, Yinhewan Computer City, Tianning District, Changzhou, China

Related Directives and Annex : 2006/42/EC Machinery Directive/Annex VII

Related Standards : EN ISO 12100:2010

Product Name : Slewing Bearing

Report No and Date : EASY03222076M

Product Brand/Model/Type : MERYDOM / Three-Row Roller Slewing Bearing - Internal Tooth Type 133/134. Single Row Roller Slewing Bearing - Internal Tooth Type 113/114. Double-Row Rod Slewing Bearing - Internal Tooth Type 023/024. Single-Row Four Point Contact Rod Slewing Bearing - Internal Tooth Type 01. Three-Row Roller Slewing Bearing - External Tooth Type 131/132. Single-Row Roller Slewing Bearing - External Tooth Type 111/112. Double-Row Rod Slewing Bearing - External Tooth Type 021/022. Single-Row Four Point Contact Rod Slewing Bearing - External Tooth Type 01. Three-Row Roller Slewing Bearing - Toothless Type 130. Single-Row Roller Slewing Bearing - Toothless Type 110. Double-Row Rod Slewing Bearing - Toothless Type 020. Single-Row Four Point Contact Rod Slewing Bearing - Toothless Type 010. Thin Section Slewing Bearing - Light Types. Thin Section Slewing Bearing - Range Type

Certificate Number : M-2023-2006-C88897

Initial Assessment Date : 09.08.2023

Registration Date : 10.08.2023

Reissue Date/No. :

Expiry Date : 09.08.2028

UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co.

UDEM



Products

We can design and manufacture any types of slewing bearings

- Single-row ball slewing bearing
- Double-row ball slewing bearing
- Crossed roller slewing bearing
- Three-row roller slewing bearing
- Flanged slewing bearing
- Slewing Drivers



Why Choose Us
Three Core Advantages

- **Best Quality**
  1. Raw material quality management
  2. Production process management
  3. Full process quality management
- **Lowest Cost**
  1. Material cost management
  2. Production cost optimization
  3. Marketing strategy innovation
- **Fastest Delivery**
  1. ERP information management system
  2. Supply chain management
  3. 15 years of slewing bearing manufacturing experience

Quality Management
How we manage product quality?



Quality Management
Raw Material Quality Management

Strict supplier selection and supervision management procedures

Raw material suppliers must undergo MERYDOM's review and certification process, which includes:

- Legitimacy of the supplier
- Values and culture of the supplier
- Ownership of land and property by the supplier
- Scale of the supplier's production facilities
- Supplier's production equipment and capacity
- Supplier's quality management procedures
- Supplier's list of suppliers and supply material contracts



Quality Management
Raw Material Quality Management

Materials

Our slewing bearings are uniformly made of 42CrMo4 steel. Compared to the lower-cost slewing bearings made of 50Mn steel, MERYDOM's slewing bearings have superior load-bearing performance and longer service life.

This table summarizes the main differences between 42CrMo4 and 50Mn steels in terms of composition, properties, and applications.

Property / Steel Type	42CrMo4	50Mn
Main Composition	C: 0.38-0.45%, Si: 0.10-0.40%, Mn: 0.60-0.90%, Cr: 0.90-1.20%, Mo: 0.15-0.30%	C: 0.47-0.55%, Si: 0.17-0.37%, Mn: 0.70-1.00%
Strength	High	Medium
Toughness	High	Medium
Hardenability	Good	Low
Tempering Stability	Good	Low
Fatigue Resistance	Excellent	Fair
Application Areas	High-strength, heavy-load components such as gears, shafts, etc.	Medium-strength, wear-resistant components such as springs, chains, etc.



Quality Management
Raw Material Quality Management

Heat Treatment Of Materials

MERYDOM uniformly applies the quenching and tempering process to its ring forgings. Compared to the lower-cost annealing process, quenched and tempered ring forgings exhibit higher hardness and better toughness.

We have prepared this table to help you understand:

Process / Characteristic	Quenching and Tempering	Annealing
Main Steps	Heating steel to critical temperature, then rapid cooling (quenching), followed by slow cooling (tempering)	Heating steel to critical temperature, then air cooling
Heating Temperature	800-900°C (quenching), 150-650°C (tempering)	850-950°C
Cooling Method	Rapid cooling in water or oil (quenching), slow cooling (tempering)	Air cooling
Purpose	Increase hardness and strength, improve toughness	Refine grain structure, improve uniformity
Applicability	Increases hardness and strength, commonly used for high carbon and alloy steels	Improves toughness and impact resistance, typically used for low carbon steel
Example Applications	Tools, bearings	Structural components, mechanical parts



Quality Management
Raw Material Quality Management

Materials Incoming Inspection

Each batch of ring forgings received must undergo our random inspection, including hardness testing and ultrasonic flaw detection.

Material	Heat Treatment	Hardness
42CrMo4	Quenching and Tempering	HB230-280
50Mn	Quenching and Tempering	HB207-262

The ring forgings should be free from white spots and cracks. The non-metallic inclusions of sulfides should not exceed grade 2.5, oxides should not exceed grade 3, and the grain size grade index should not be lower than grade 6.0, complying with the requirements of GB/T 6394.



Quality Management
Raw Material Quality Management

Material Stress Relief

Upon receipt of each batch of ring forgings, MERYDOM will strictly adhere to standards and complete stress relief for 4 weeks to several months before proceeding to the production process.

Metal stress relief is a heat treatment process aimed at reducing residual stresses in metal materials accumulated during processing or manufacturing. If not relieved, they can cause parts to deform, crack, or fail in service.

Benefits of Stress Relief

Reduced Deformation: Eliminating internal stresses prevents parts from deforming during subsequent processing or in service.

Improved Dimensional Stability: Stress relief enhances the dimensional stability of parts, ensuring they maintain precise dimensions in use.

Crack Prevention: Reducing stresses lowers the risk of cracking during service.

Enhanced Mechanical Properties: Stress relief can improve mechanical properties such as toughness and fatigue life.



Quality Management
Production Process Management

Production Equipment

Our production workshop covers a total area of 10,000 square meters and is equipped with CNC machining equipment required for the entire process of producing slewing bearings. The team includes 5 technical engineers, 30 CNC machine operators, 4 assembly workers, and 5 quality inspectors.

Equipment	Quantity
Vertical CNC lathe	10
Horizontal CNC lathe	4
CNC gear hobbing machine	5
CNC gear shaping machine	3
CNC high-speed drilling machine	2
Large drilling machine	2
CNC raceway hardening machine	1
CNC gear hardening machine	1



Quality Management
Production Process Management

Heat Treatment Of Raceways

The bearing raceways are induction hardened. Special induction hardening machines ensure the highest quality.

Steel ball diameter/mm	Raceway quenching hardened layer depth/mm	Raceway quenching hardness/HRC
≤30 mm	≥3.0 mm	HRC 55-62
> 30 mm-40 mm	≥3.5 mm	HRC 55-62
> 40 mm-50 mm	≥4.0 mm	HRC 55-62
> 50 mm	≥5.0 mm	HRC 55-62



Quality Management
Production Process Management

Heat Treatment Of Gear

The bearing gear are induction hardened. Special induction hardening machines ensure the highest quality.

Gear Module/mm	Gear Hardening Depth/mm		Gear Hardening Hardness/HRC
	Tooth Surface	Tooth Root	
≤6 mm	≥1.2 mm	≥0.6 mm	HRC 50-60
> 6 mm-12 mm	≥2.2 mm	≥1.2 mm	HRC 50-60
> 12 mm-18 mmmm	≥3.2 mm	≥1.5 mm	HRC 50-60
> 18 mm-25 mm	≥4.0 mm	≥2.0 mm	HRC 50-60



Quality Management
Production Process Management

Assembly Precision

The assembly accuracy should not be greater than the value specified in the following table. Unit: mm

Raceway center circle diameter / mm		Single row four point contact ball type	Single row crossed roller type	Double row different diameter ball type	Three-row roller type
<500	Axial clearance	0.04-0.20	—		
N500 ∽710		0.04—0.25	W0.02	0.10-0.20	0.03—0.06
>710 ∽1120		0.06—0.30	0.02-0.04	0.10—0.30	0.03—0.08
>1120-1800		0.08—0.45	0.02—0.07	0.10-0.40	0.03—0.10
>1800—2800		0.10-0.55	0.04—0.10	0.10-0.50	0.04-0.15
>2 800—4500		0.12—0.65	0.06-0.15	0.10—0.60	0.05-0.20
<500	Radial clearance	0.04—0.20	—		
N500∽710		0.04—0.25	W0.02	0.10-0.70	0.03-0.15
>710 ∽1120		0.06—0.30	0.02—0.04	0.20-0.90	0.04-0.20
>1120 ∽1800		0.08—0.45	0.02-0.07	0.20 ∽1.00	0.06—0.25
>1800-2800		0.10-0.55	0.04—0.10	0.20-1.10	0.07-0.30
>2800-4500		0.12-0.65	0.06-0.15	0.30-1.30	0.08-0.35
<500	Axial runout	0.1	—		
>500-710		0.12	0.12	0.4	0.08
>710 ∽1120		0.15	0.14	0.5	0.12
>1120 ∽1800		0.25	0.16	0.6	0.15
>1800- 800		0.3	0.25	0.7	0.2
>2800—4500		0.35	0.3	0.8	0.25
<500	Radial runout	0.15	—		
N500 ∽710		0.2	0.2	0.5	0.25
>710 ∽1120		0.3	0.3	0.6	0.3
>1120- 800		0.4	0.35	0.8	0.35
>1800-2800		0.5	0.45	1	0.4
>2800—4500		0.6	0.55	1.2	0.45
<500	Gear radial runout	0.3	—		
N500∽710		0.35	0.25	0.6	0.3
>710 ∽1120		0.4	0.3	0.8	0.35
>1120—1800		0.5	0.4	1	0.4
>1800-2800		0.65	0.5	1.2	0.6
>2800—4500		0.8	0.6	1.4	0.75

1.When the user requests radial fitting, measure the value of radial runout.
2.The permissible radial runout for quenched gears is allowed to increase by 50%.



Quality Management
Product Inspection

Production Process Inspection & Inspection Tools

Our inspection work occurs throughout the entire manufacturing process, including:

Processing Step	Inspection Tools
Rough turning	Vernier caliper
Finish turning 1	Vernier caliper
Drilling (plug holes)	Vernier caliper
Drilling (taper pin holes)	Vernier caliper
Groove turning	Vernier caliper, ball probe gauge
Groove quenching	Hardness tester, magnetic particle inspection
Finish turning 2	Vernier caliper, micrometer
Gear cutting	Vernier caliper, measuring rod
Gear quenching	Hardness tester, magnetic particle inspection
Drilling	Vernier caliper, thread plug gauge
Grinding of grooves	Vernier caliper, ball probe gauge
Cleaning	Visual inspection
Assembly	Vernier caliper, dial indicator, micrometer

Cost Management

Why are our costs lower than our competitors'?

MERYDOM
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Cost Management
Material Costs

Exchange Rate And Policy

The exchange rate of the RMB has been very stable for many years. Chinese state-owned enterprises have strong influence in the international iron ore market, giving us a cost advantage when purchasing raw materials.

Supply Chain Management

Over the years, we have established good cooperative relationships with our suppliers through long-term bulk purchasing of raw materials. Our supply chain optimization is more reasonable, making our raw material procurement costs lower and efficiency higher.

Cost Management
Production Costs



Low Fixed Costs

MERYDOM owns its land and factory buildings, so there are no fixed costs such as rent.

Strict Management to Reduce Waste

MERYDOM implements strict production management procedures to reduce waste and lower manufacturing costs.

Cost Management
Marketing Costs

Factory Direct Sales

We use a direct sales model, where the factory directly serves customers, reducing intermediary steps to lower costs.

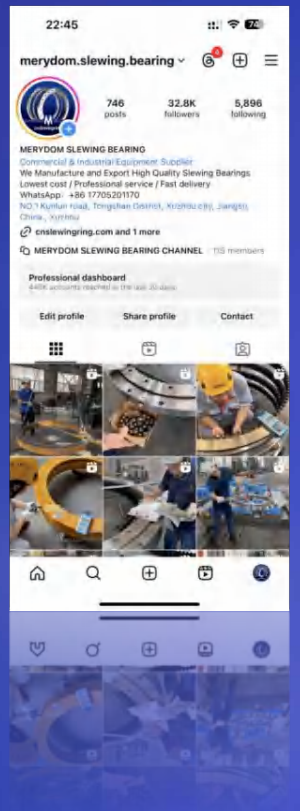
Social Media

We make full use of various social media platforms to deliver brand information to target markets in a cost-effective and faster manner. Currently, we have 100,000 global followers across Instagram, Facebook, YouTube, and Douyin.

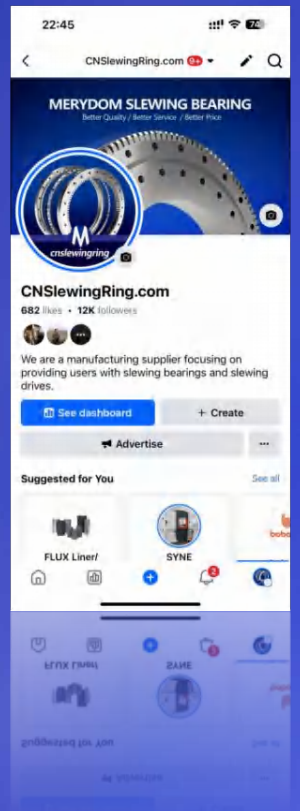


Cost Management
Social Media

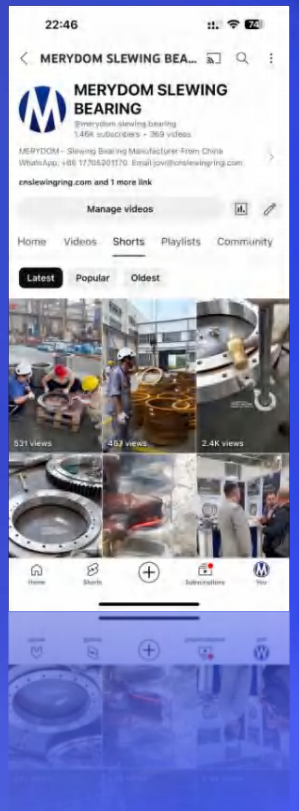
Instagram



FaceBook



YouTube





Delivery Management

How do you ensure on-time delivery?



Delivery Management
Fast And On-Time Delivery

How Many Days Do You Usually Take to Deliver?

In most cases, we can complete the customer's order within 15-30 days.

Why is your delivery speed so fast?

Our production and technical team has 15 years of experience in slewing bearing manufacturing.

Our management team has 20 years of experience in managing multinational enterprises.

Our ERP system can scientifically plan and manage production schedules.

We maintain good cooperation with our supply chain, ensuring higher production efficiency through large-scale procurement and storage of raw materials.

What if the customer has no experience in importing goods?

Our global service team can help our customers smoothly complete import and export procedures. Additionally, customers can choose from various shipping methods according to their needs, including:EXW,FOB,CIF .

Global Customer List

Which customers do you have globally?



Global Customer List
China And Other Countries

Company	Nation	Website
VUORENMAA YHTIÖT	Finland	https://vuorenmaa.fi/
NIVEL	Türkiye	https://www.nivel.com.tr/
OZSU	Türkiye	http://www.ozsu.com.tr/
TECHNONIKOL DALNIY VOSTOK LLC	Russia	https://www.tn.ru/
NOVOROSMETALL LLC	Russia	https://novorosmetall.com/
MINING EQUIPMENT PARTS FACTORY "KRUSHER" LLC	Russia	http://завод-крашер.рф/
XCMG	China	https://www.xcmg.com/
SANY	China	https://www.sanygroup.com
CALT	China	https://www.catl.com/
NIO	China	https://www.nio.com/
BOZHON	China	https://www.bozhon.com/

The End

Thank you for watching.