

LDB[®] SLEWING BEARING

中国精密转盘轴承智造商
China Precision Slewing Bearing Manufacturer



洛阳隆达轴承有限公司

LUOYANG LONGDA BEARING CO., LTD

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Company Profile

Luoyang Longda Bearing Co.,Ltd (LDB) was established on the year of 1999. We provide service of design, manufacture, export business of slewing bearings and slewing drives, and we keep on researching new products to achieve customers requirements. We have got several patents since the research department built on 2017.

LDB's products widely applied to Construction Engineer Machinery, Metallurgy Industry, Cement Industry, Mining Industry, Offshore Marine industry, Military Industry, Wind Power Energy, Solar Power energy etc...

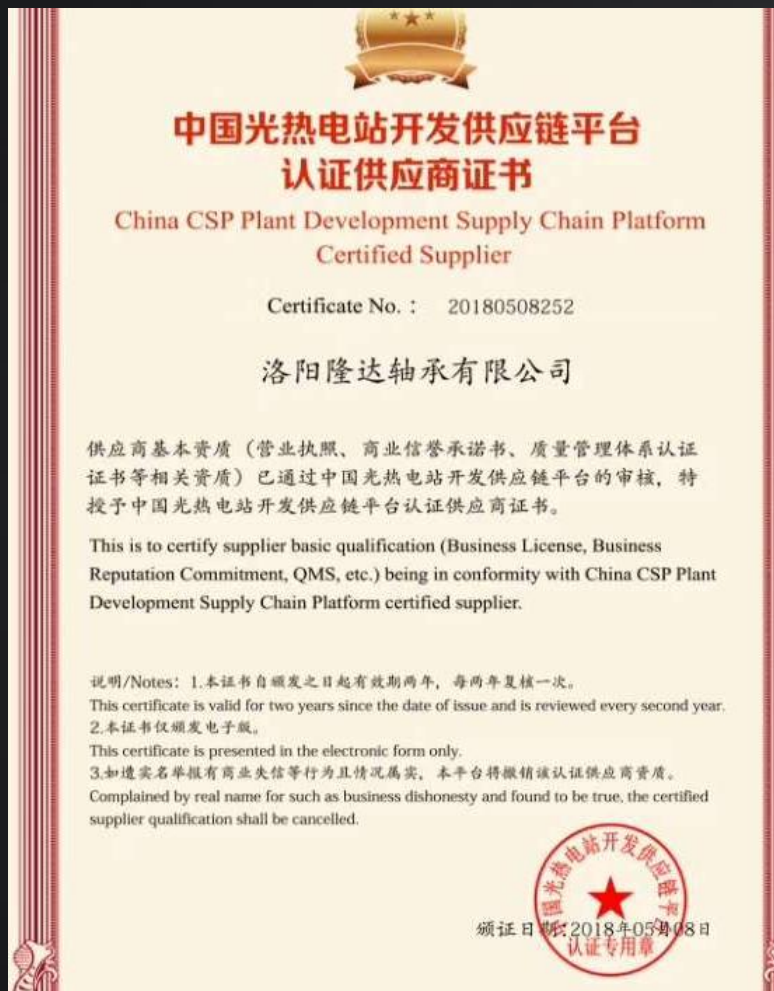
LDB's products with high quality, top advanced heat-treatment technology and long lifetime which can perfectly replacement of famous brand such as Rothe Erde, PSL, Kaydon, INA, SKF, TG, Rollix, ISB, IMO etc...

LDB's products exported to more than 70 Countries in the world, such as Australia,Brazil, Belgium, Canada, Czech, Chile, Germany,India, Italy, Japan, Korea, Latvia, Pakistan, Singapore,Spain, Thailand, Turkey, UK, USA, etc...



Certificates





China CSP Certified Supplier



Luoyang Daily Report LDB Factory



Technology SME Certificate



MADE-IN-CHINA Audited Supplier



Securities Code



National High-Tech Enterprise

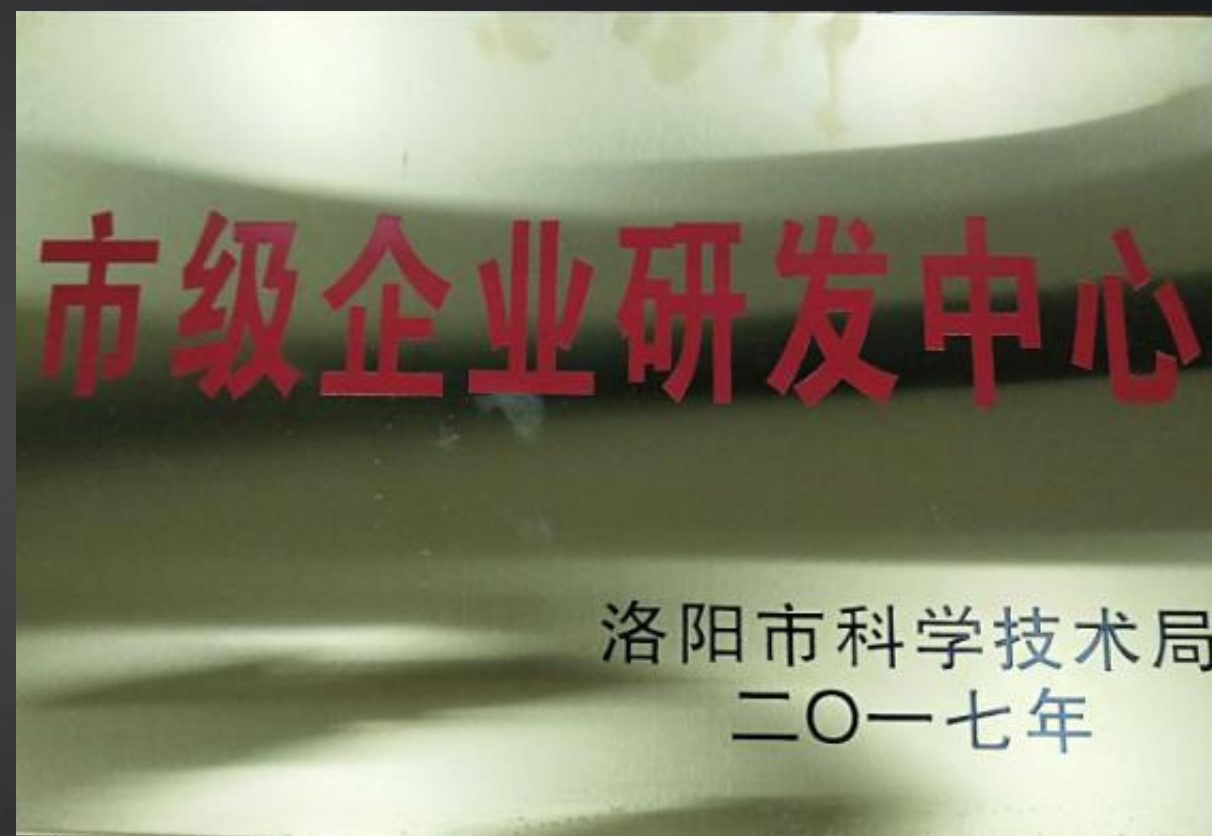
Patent and R&D



Patent certificate: special seal
units on slewing bearing



Patent Certificate: bearing
height measuring ruler



Municipal Enterprise R&D Center

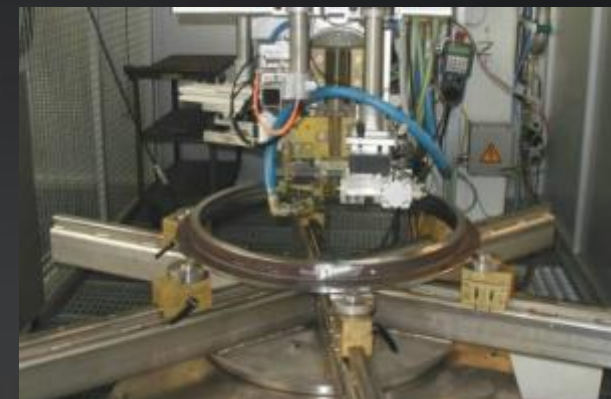
Production and Processing



Finished Turning Processing



Machining Center Drilling



Heat Treatment (Outsource)



CNC Turning Machine



CNC Turning Machine



Assemble Area

Good product derives from accumulation of details



U.T. test of forging material



Raceway hardness test



Gear runout test



Teeth C.P.I. Test



Runout test



Hardened layer depth detector

Test Report

<div>  中原特钢股份有限公司连铸坯出厂质量证明书 Quality Certificate of ZYSCO Casting Bloom </div>											
合同号 Contract No.		客户 Customer		炉号 Blast No.		交货状态 Delivery Condition		执行 Order		证书编号 Certificate No.	
XS-XB2018-029				M1890858		交货状态 Delivery Condition		执行 Order		证书编号 Certificate No.	
GB/T3077-1999		规格 (mm) Size		Φ900		交货状态 Delivery Condition		执行 Order		证书编号 Certificate No.	
牌号 Steel No.		数量 Quantity		1		交货状态 Delivery Condition		执行 Order		证书编号 Certificate No.	
42CrMo						交货状态 Delivery Condition		执行 Order		证书编号 Certificate No.	
化学成分 Chemical Composition (wt%)											
C	S	Si	Mn	P	Ni	Cr	Mo	Cu	Al	W	V
0.42	0.003	0.36	0.77	0.011	0.09	1.02	0.16	0.05	0.001	0.007	0.004
Aa	Sn	Ph	Sh	Bi	Zr	Nb	Bi	Ca		H	N
低倍检验 Macroscopic Test											
试样号 Specimen No.		中心疏松 (级) Center Porosity		中心微孔 (级) Center Crack		中间微孔 (级) Intermediate Crack		皮下微孔 (级) Subsurface Crack		皮下气泡 (级) Subsurface Bubbles	
晶粒组织 (级) Grain Structure											
其他 Others											
表面质量 Surface Quality		合格						外形尺寸 Overall Dimension			
放射性物质监测 Radioactive Level Monitoring											
长度及重量 Length and Weight											
牌号 Bloom No.	2-01										
长度(mm) Length	6030										
重量(kg) Weight	22.91										
检验结论 Test Result	合格										
备注 Remark	如有异议, 请提供本证书编号及炉号, 以便查询。 If any doubt, please supply the certificate No. and Bloom No. and keep the bloom with.										
质量监察部门盖章 Stamp of Quality Management Department		质量管理部门部长 Head of Quality Management Department		检验员 Inspector		检验员 Inspector		检验员 Inspector		检验员 Inspector	
地址 (ADDRESS): 河南省郑州市 郑东新区龙子湖 电话 (TEL.): (86) 0391-6097000		质量监察部门盖章 Stamp of Quality Management Department		质量管理部门部长 Head of Quality Management Department		检验员 Inspector		检验员 Inspector		检验员 Inspector	
公司通过 ISO 9001 质量管理体系认证 Approved manufacturer acc.to ISO 9001		质量监察部门盖章 Stamp of Quality Management Department		质量管理部门部长 Head of Quality Management Department		检验员 Inspector		检验员 Inspector		检验员 Inspector	

Material Report

生产名称 Production name		生产名称 Product name		材料 Material	430/436
生产订单 Order no.	生产订单 Order no.	生产类型 Production type	生产 Production	生产类型 Production type	430/436
数量 Quantity	数量 Quantity				
生产日期 Shipping date					
430/436 1/2 2013-10-10					
序号 No.	检验项目 Inspection project	技术要求 Requirements	检测结果 Measured value	判定 Quench	
1	淬火温度 Temperature	空炉 1000℃ 炉温 1000℃	空炉 1000℃ 炉温 1000℃	合格	
2	淬火速度 Quenching speed	1000℃/s 1000℃/s	1000℃/s 1000℃/s	合格	
3	淬火时间 Quenching time	1000℃/s 1000℃/s	1000℃/s 1000℃/s	合格	
4	淬火油温 Quenching oil temperature	1000℃/s 1000℃/s	1000℃/s 1000℃/s	合格	
5	淬火速度 Quenching speed	1000℃/s 1000℃/s	1000℃/s 1000℃/s	合格	
6	淬火时间 Quenching time	1000℃/s 1000℃/s	1000℃/s 1000℃/s	合格	



上述检验合格，特此证明
The check result are qualified

生产日期
Made by: 2013-10-10

检验日期
check by: 2013-10-10

检验人
Inspector: 2013-10-10

Quenching Report



弘逸鋼鐵

徐州弘逸鋼鐵科技有限公司

Xuzhou Hongyi Iron & Steel Technology Co., Ltd.

國 家 標 准 檢 驗

Heat treatment quality report					
客戶名稱 Production unit	委託 1QC 檢驗有限公司	產品名稱 Product name	車架	材質 Material	420MA
材料批號 Material No.	H00000001	熱處理項目 Name Treatment type	退火	熱處理條件 Condition Treatment NO.	00100700
數量 Quantity	5				
熱處理爐 Furning Number	34000-012447-012345-012				
項目 No.	檢驗項目 Examination project	要求值 Requirements	實際值 Measured value	允差 Tolerance	
1	最高溫度 Peak Temperature	450±5℃	440℃	±10℃	
2	升溫速度 Rate of temperature speed	180±10℃/h	180±10℃/h		
3	保溫溫度 Temperature	450±5℃	440℃		
4	保溫時間 Holding time	3.0h	3.0h		
5	空冷速度 Cooling speed	—	—		
6	冷卻方式 Cooling condition	空冷 Air cooling	空冷 Air cooling		

上列檢驗結果，符合要求
The check result are qualified

工程師 本 杰 傑

check by: 本 杰 傑

車架 3 號

check by: 3 號

日期 2019.07.27

Date:





弘逸鋼鐵

Tempering Report

LDB [®]洛陽隆達軸承有限公司
LUOTANG LONODA BEARING CO., LTD.

Raceway hardness report

LDB® 洛阳隆达轴承有限公司
LUOYANG LONGDA BEARING CO., LTD.

无损检测磁粉记录
Non-destructive testing test record

型号 Bearing No.	134.70.3296.03-G1	图号 Drawing No.	12345-1-000	序列号 Serial No.	1810001 1810002
零件名称 Part No.	01, 21, 02				
检测项目 Inspect Item	着色渗透探伤 Color penetrant inspection				
<p>试验条件或技术要求:</p> <p>检测方法: 溶剂去除型快干式显影剂的着色渗透探伤</p> <p>试剂型号: H-ST 透射型</p> <p>试剂产地: 郑州五岳检测器材有限公司</p> <p>零件状态: 表面清洁</p> <p>检测标准: Q/LZ L(C) 7002-2003</p> <p>Technical requirements:</p> <p>Inspection method: Coloring Penetrant inspection of Solvent-removed quick-drying developer</p> <p>Reagent type: H-ST General type</p> <p>Reagent Origin: Wuyang Hongye Testing Equipment Co., Ltd.</p> <p>Parts Condition: Raceway after final milled</p> <p>Inspection Standard: Q/LZ L(C) 7002-2003</p> <p>检查结果:</p> <p>经对样品轴承 134.70.3296.03-G1 编号为 1810001 和 1810002 的 01, 21, 02 零件表面进行着色渗透探伤, 未发现缺陷, 符合工艺要求, 判定合格。</p> <p>Test Results:</p> <p>Subject to color penetrant inspection of the raceway surface for slewing bearing 134.70.3296.03-G1, serial number 1810001 & 1810002, parts number 01, 21, 02. No flaws were detected on the test surface, and the flaw detection was qualified.</p> <p>上述检测结果, 符合要求 The check result are qualified.</p> <p>检测员: [Signature] 日期: 2018.10.19</p> <p>Inspector: [Signature] Date: 2018.10.19</p>					

Raceway M.P.I. Report

LDB® 洛阳隆达轴承有限公司
LUOYANG LONGDA BEARING CO., LTD.

无损检测磁粉记录
Non-destructive testing test record

型号 Bearing No.	134.70.3296.03-G1	图号 Drawing No.	12345-1-000	序列号 Serial No.	1810001 1810002
零件名称 Part No.	02				
检测项目 Inspect Item	齿面硬度 Teeth Surface hardness				
<p>试验条件或技术要求:</p> <p>仪器型号: T10-01 韦氏硬度计</p> <p>检测方法: 韦氏硬度计法</p> <p>零件状态: 表面清洁</p> <p>工艺要求: HRC 30-40</p> <p>检测标准: Q/LYC 80067-2007</p> <p>Technical Requirement:</p> <p>Instrument model: T10-01 Leeb hardness tester</p> <p>Inspection method: Hardness test of Leeb Hardness tester</p> <p>Parts Status: Teeth after heat treatment</p> <p>Technical requirement: HRC 30-40</p> <p>Inspection Standard: Q/LYC 80067-2007</p> <p>检查结果:</p> <p>经对样品轴承 134.70.3296.03-G1 编号为 1810001 和 1810002 的 02 零件齿面进行硬度检测, 检测结果符合工艺要求, 判定合格。</p> <p>Test Results:</p> <p>Subject to hardness test of the Teeth surface for slewing bearing 134.70.3296.03-G1, serial number 1810001 and 1810002, parts number 02, the surface hardness is in accordance with the process requirements and the hardness is qualified.</p> <p>上述检测结果, 符合要求 The check result are qualified.</p> <p>检测员: [Signature] 日期: 2018.10.19</p> <p>Inspector: [Signature] Date: 2018.10.19</p>					

Teeth Hardness Report

LDB® 洛阳隆达轴承有限公司
LUOYANG LONGDA BEARING CO., LTD.

无损检测磁粉记录
Non-destructive testing test record

型号 Bearing No.	134.70.3296.03-G1	图号 Drawing No.	12345-1-000	序列号 Serial No.	1810001 1810002
零件名称 Part No.	02				
检测项目 Inspect Item	荧光磁粉探伤 Fluorescent magnetic particle inspection				
<p>试验条件或技术要求:</p> <p>检测方法: 便携式荧光磁粉探伤</p> <p>检测设备: MY-2 型 便携式荧光磁粉探伤仪</p> <p>磁悬液: HJ-0.6 型 便携式荧光磁粉探伤液</p> <p>磁化方法: 复合磁化法</p> <p>零件状态: 表面清洁</p> <p>执行标准: JB/T 8966.15</p> <p>Technical Requirement:</p> <p>Test Method: Fluorescent magnetic particle inspection</p> <p>Flow Instrument model: MY-2 portable fluorescent magnetic particle flow detector</p> <p>Magnetic suspension: HJ-0.6 ml/100ml fluorescent magnetic powder suspension</p> <p>Sensitivity test piece: A1-15/15 type standard test piece</p> <p>Magnetization method: Composite magnetization method</p> <p>Parts Status: Tooth Surface after heat treatment</p> <p>Inspection Standard: JB/T 8966.15</p> <p>检查结果:</p> <p>经对样品轴承 134.70.3296.03-G1 编号为 1810001 和 1810002 的 02 零件齿面进行荧光磁粉探伤, 未发现缺陷, 符合工艺要求, 判定合格。</p> <p>Test Results:</p> <p>Fluorescent magnetic particle inspection was performed on the gear surface of the 02 parts of the slewing bearing 134.70.3296.03-G1 Serial No. 1810001 and 1810002. No open type defects were found on the tooth surface, and the flaw detection was qualified.</p> <p>上述检测结果, 符合要求 The check result are qualified.</p> <p>检测员: [Signature] 日期: 2018.10.19</p> <p>Inspector: [Signature] Date: 2018.10.19</p>					

Teeth C.P.I. Report

LDB® SLEWING BEARING
中国精密转盘轴承制造商
China Precision Slewing Bearing Manufacturer

INSPECTION REPORT

型号 Bearing No.	134.70.3296.03-G1	图号 Drawing No.	12345-1-000	序列号 Serial No.	1810001 1810002
零件名称 Part No.	01, 21, 02				
检测项目 Inspect Item	最终检测 Final Test				
<p>试验条件或技术要求:</p> <p>检测方法: 最终检测</p> <p>检测设备: 最终检测设备</p> <p>磁悬液: 最终检测磁悬液</p> <p>磁化方法: 最终检测磁化方法</p> <p>零件状态: 最终检测零件状态</p> <p>执行标准: 最终检测标准</p> <p>Technical Requirement:</p> <p>Test Method: Final Test</p> <p>Flow Instrument model: Final Test</p> <p>Magnetic suspension: Final Test</p> <p>Sensitivity test piece: Final Test</p> <p>Magnetization method: Final Test</p> <p>Parts Status: Final Test</p> <p>Inspection Standard: Final Test</p> <p>检查结果:</p> <p>经对样品轴承 134.70.3296.03-G1 编号为 1810001 和 1810002 的 01, 21, 02 零件进行最终检测, 未发现缺陷, 符合工艺要求, 判定合格。</p> <p>Test Results:</p> <p>Final Test was performed on the 01, 21, 02 parts of the slewing bearing 134.70.3296.03-G1 Serial No. 1810001 and 1810002. No open type defects were found on the test surface, and the final test was qualified.</p> <p>上述检测结果, 符合要求 The check result are qualified.</p> <p>检测员: [Signature] 日期: 2018.10.19</p> <p>Inspector: [Signature] Date: 2018.10.19</p>					

Final Test Report

Slewing Bearing Cases

No.1

Export to: Netherlands

Customer: Terberg (vehicle manufacturer)

Type: 24132510

Cooperative relationship: 9 years

Application: Under the rotary seat of trailer

Feature: Galvanized and anticorrosion



No.2

Export to: Latvia

Customer: Bearing distributor

Application: Forestry equipment

Type: 073.050.013.018 013.25.310.03K1

013.25.410.03K 010.25.346.K3

Cooperative relationship: 8 years



073.050.013.018



010.25.346.K3



No.3

Export to: Italy

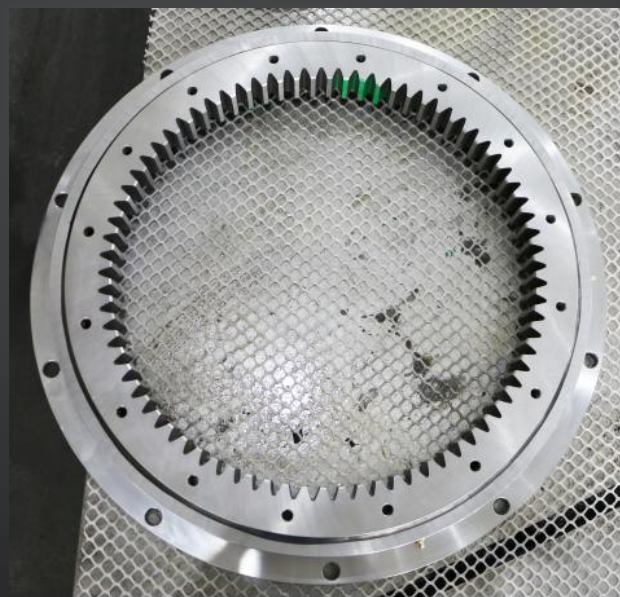
Customer: Slewing bearing distributor

Type: 011.20.0414, L12.20.0544, SK6-37PZ

Cooperative relationship: 10 years



011.20.0414



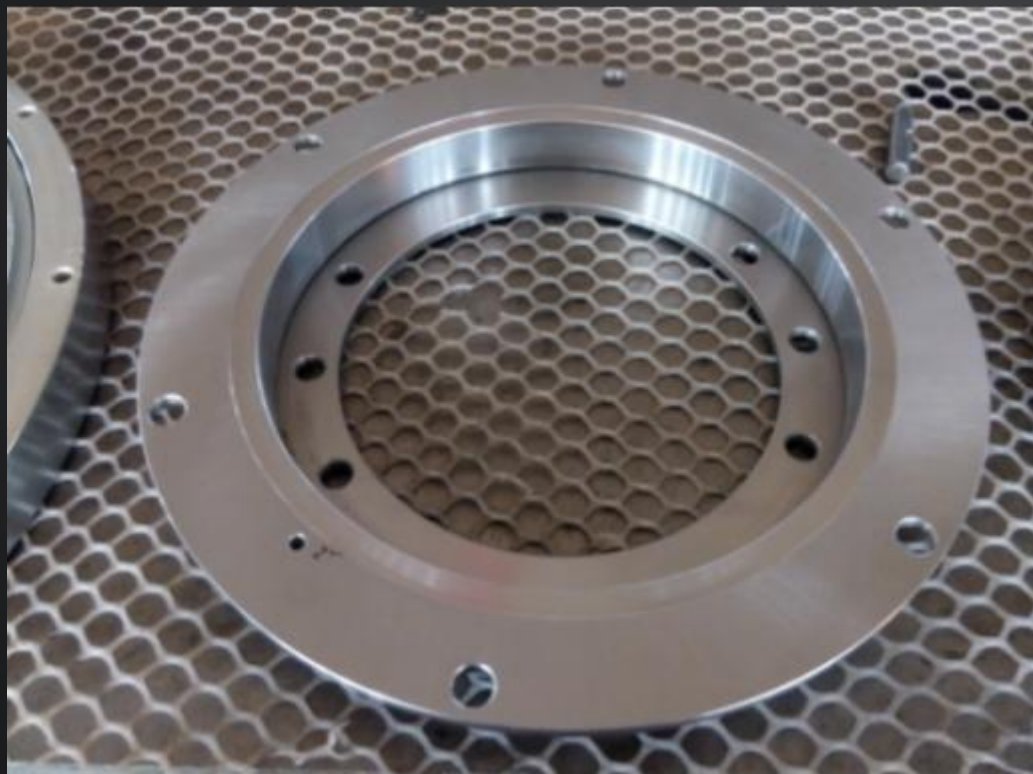
L12.20.0544



SK6-37PZ

No.4

Application: Trailer slewing bearing
Type: KLK400L



No.5

Application: AGV automatic guided vehicle
Applicated to: Warehousing , Supermarket, Logistics.
Advantage: Long lifetime. Rotation stable



No.6

Type: 01-0235-00

Applicated to: Medical equipment (X-ray machine, CT machine)

Feature: Low noise, Turning flexible



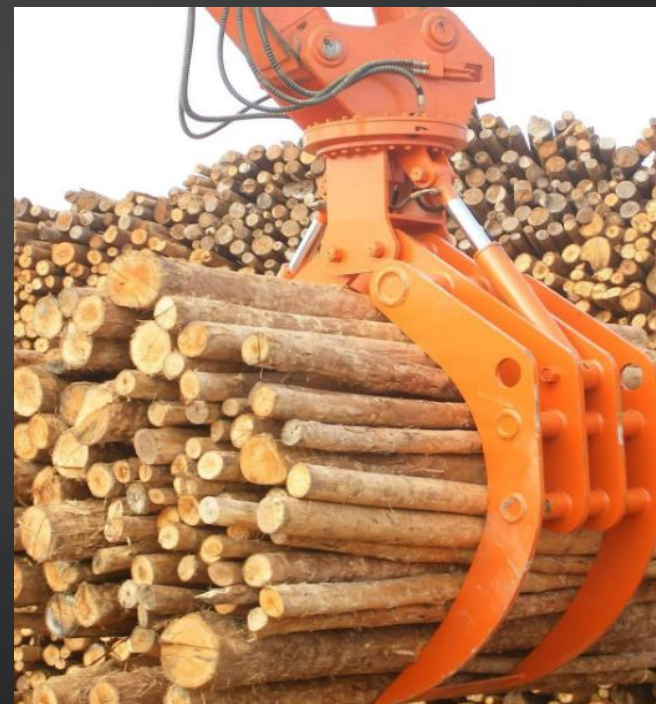
No.7

Export to : Netherlands

Customer : Grab manufacturer

Cooperative relationship: 8 years

Application: Grab



No.8

Export to: Russia

Type: Tadano TMZ300 Dongyang SS1926, SS1406, Soosan 746, 736, Kanglim 1256,
Unic 330, UR500 etc...

Application: Truck crane

Cooperative relationship: 2 years



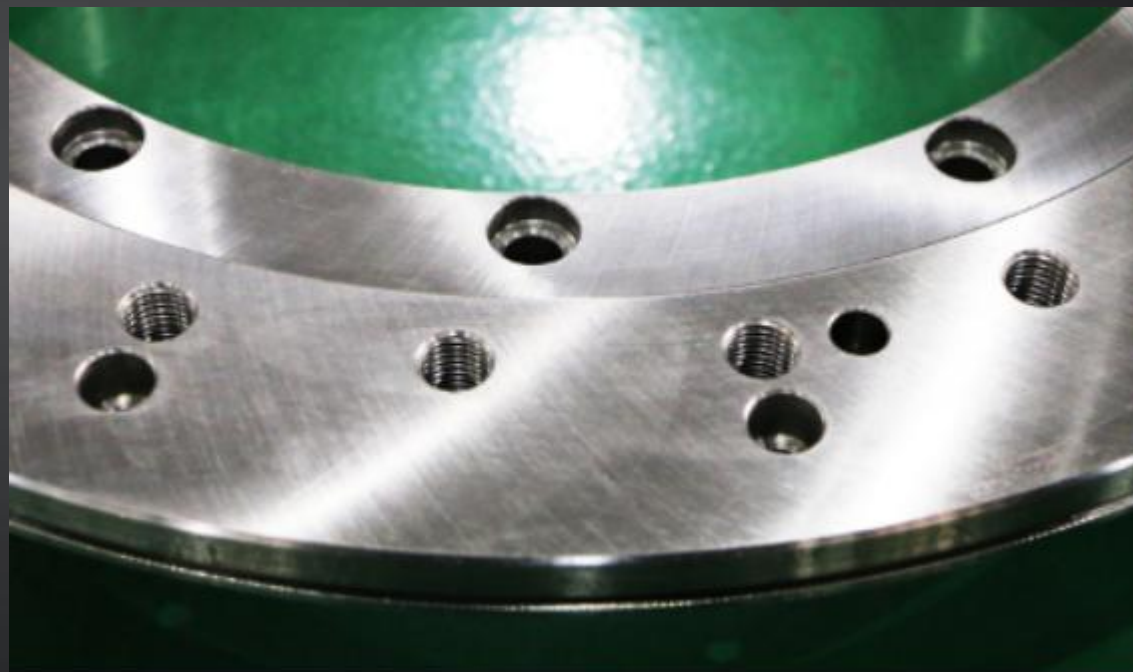
No.9

Export to: Germany

Type: DG16-20, DG25-35, DG45-50, DG60-140 etc...

Feature: Double completely seals

Application: Forklift



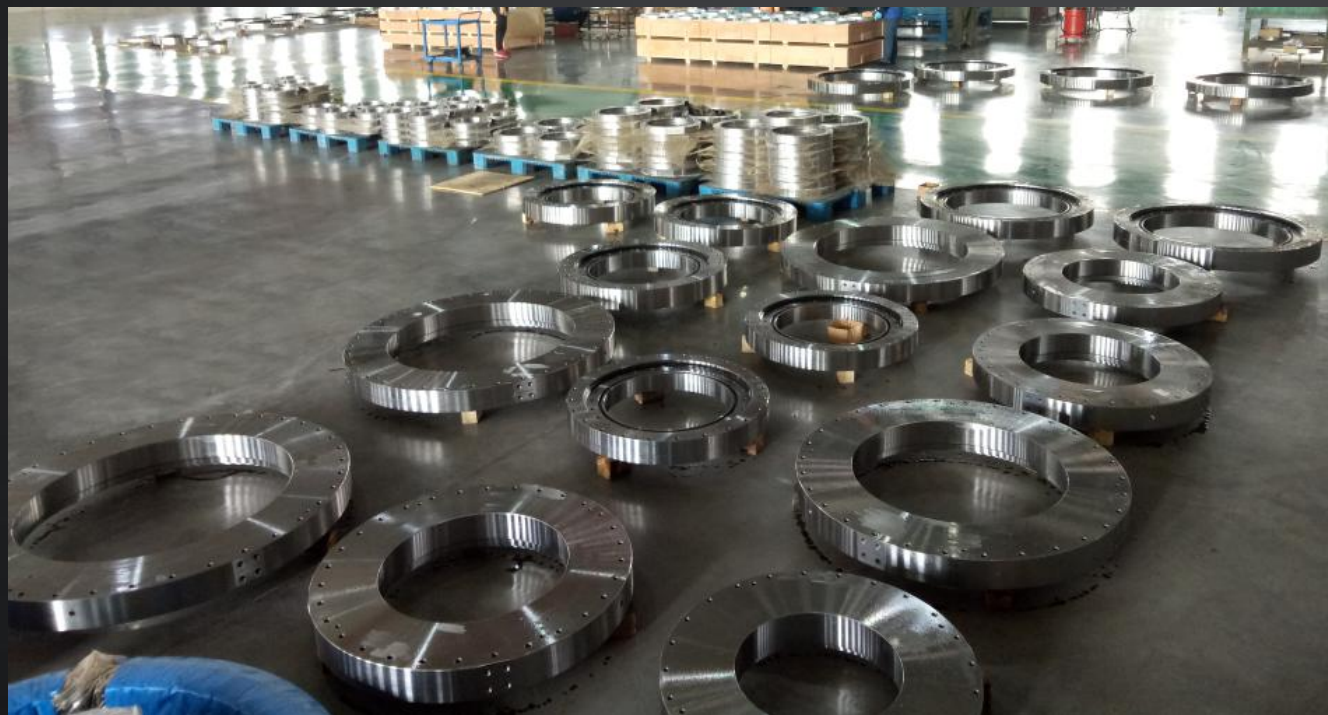
No.10

Export to: USA

Structure: Double row different ball slewing bearing

Install: Connection with 2 inch thickness flange and 4 inch thickness flange

Application: Steerable rock system, Underground pipe drilling equipment



No.11

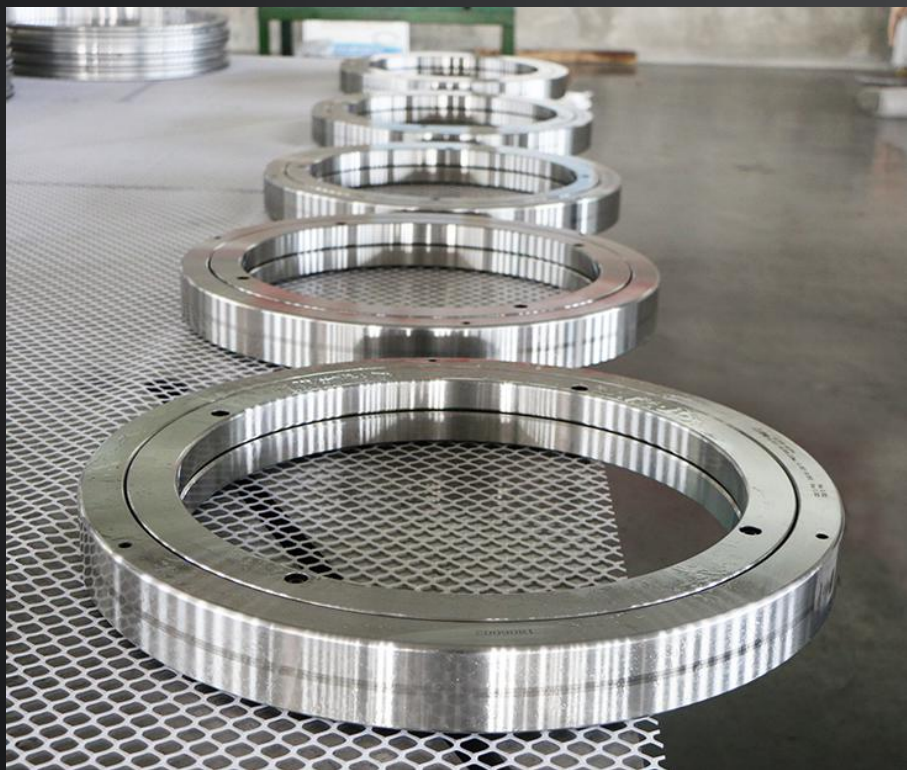
Export to: Italy

Type: XR766051

Structure: Crossed taper roller bearing

Application: CNC vertical turning machine

Feature: High precision P4/P2



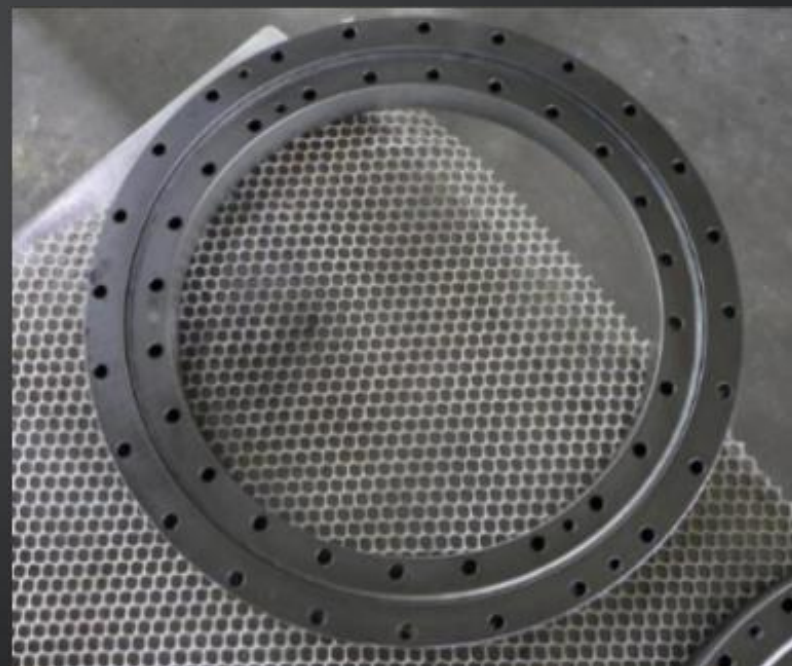
No.12

Export to: USA

Customer: Ship repair industry

Type: 110.25.710

Feature: Surface with Phosphating treatment



No.13

Export to: Belgium

Customer: Wind turbine manufacturer

Type:

Blade Bearing 060.40.0900.100.41.1423

Yaw Bearing 061.45.1070.000.41.1523

Cooperative relationship: 4 years

Application: 400 KW wind turbine

Feature: Blasting Sand+Spraying Zinc+Painting

Design service life 20years





1.5MW Blade Bearing



500KW Blade Bearing

No.14

Export to: Europe

Type: ME1536-3300-A/F98-13-0354-CH-091-000019

Feature: 0 clearance , Sand blast+sparying zinc+Painting

Design service life 25years

Application: Solar tower project



No.15

Export to: Israel, Korea, Lebanon, Portugal

Application: Tower Crane SIMMA S28-52, S18-56, S18-52 etc...



No.16

Application: Military Industry

Type: 013.16.816

Feature: Teeth Modulus $M=2$

Anti-rust treatment: Sand blast+sparying zinc+Painting



No.17

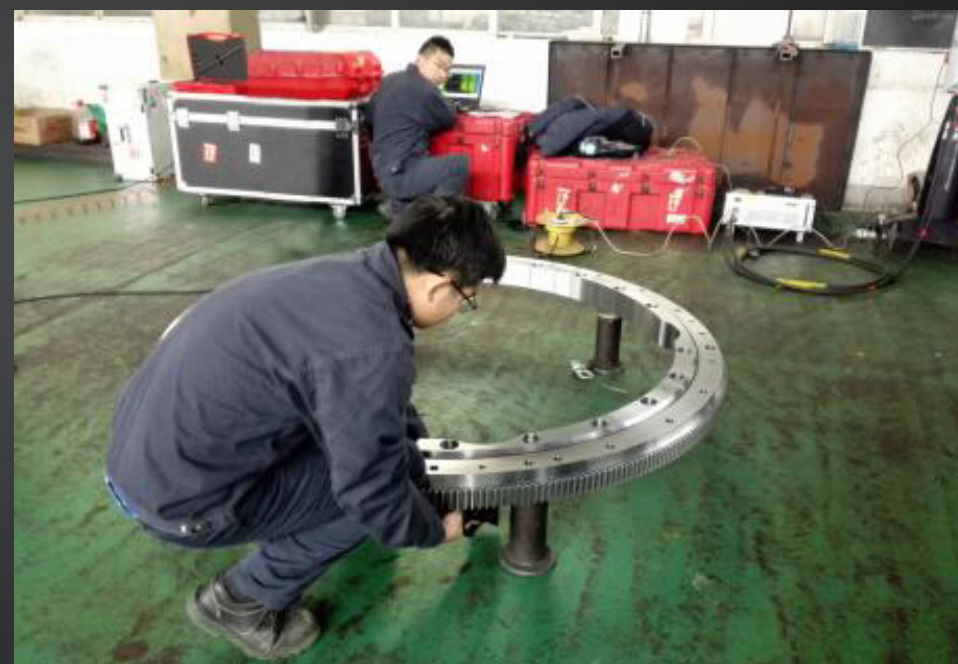
Application: Military Industry

Type: 20-2-6-08-03

Dimension: 1390*1690*90mm

Feature: High precision, teeth runout 0.18mm

Passed SGS's inspection



No.18

Export to: All over the world

Type: Komatsu PC400-6, CAT 319C,
Hitachi EX200.

Application: Excavator

Advantage: Complete Models, Ready stock,
Warranty time 12months



No.19

Export to : Russia

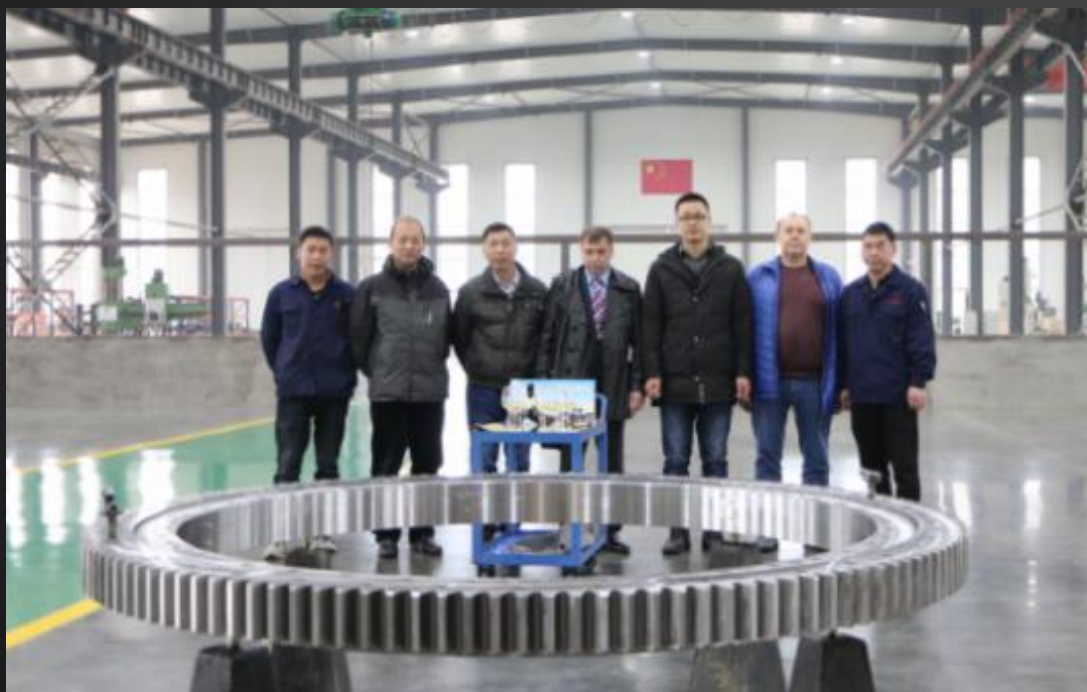
Customer: Tehnoros Group of Companies

Type: 191.25.2000.990.41.1502

Cooperative relationship: 2 years

Application: Port Crane

Structure: Three row cylindrical roller slewing bearing with external gear



No.20

Export to: India

Customer: SARDA(steel plant)

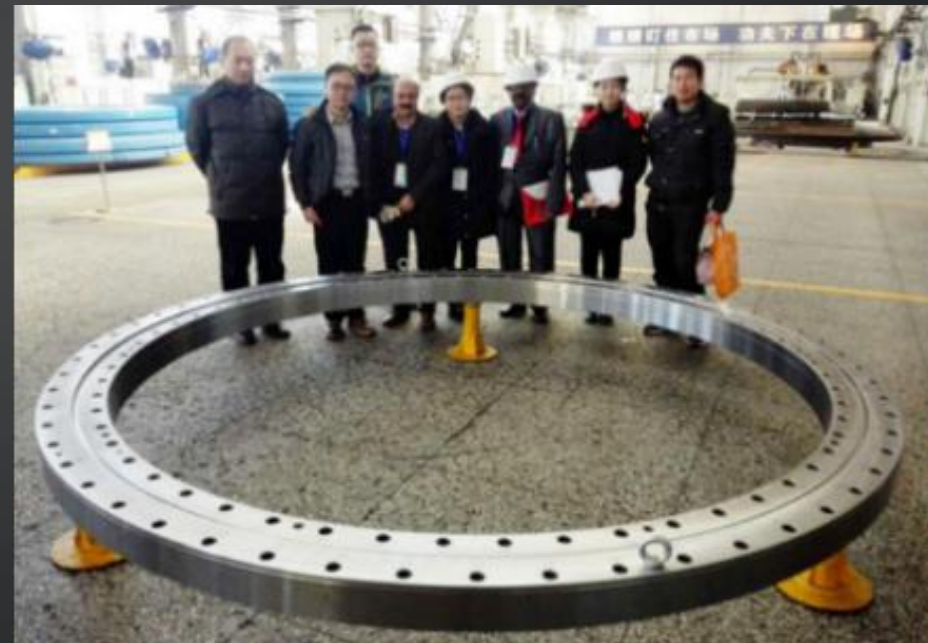
Type: 190.25.2794.000.41.1502

Dimension: 3026*2614*159mm

Unit weight: 1779KG

Feature: Three row cylindrical roller slewing bearing

Application:TRF stacker-reclaimer



No.21

Export to: Australia

Type: 134.70.3296.03/G1

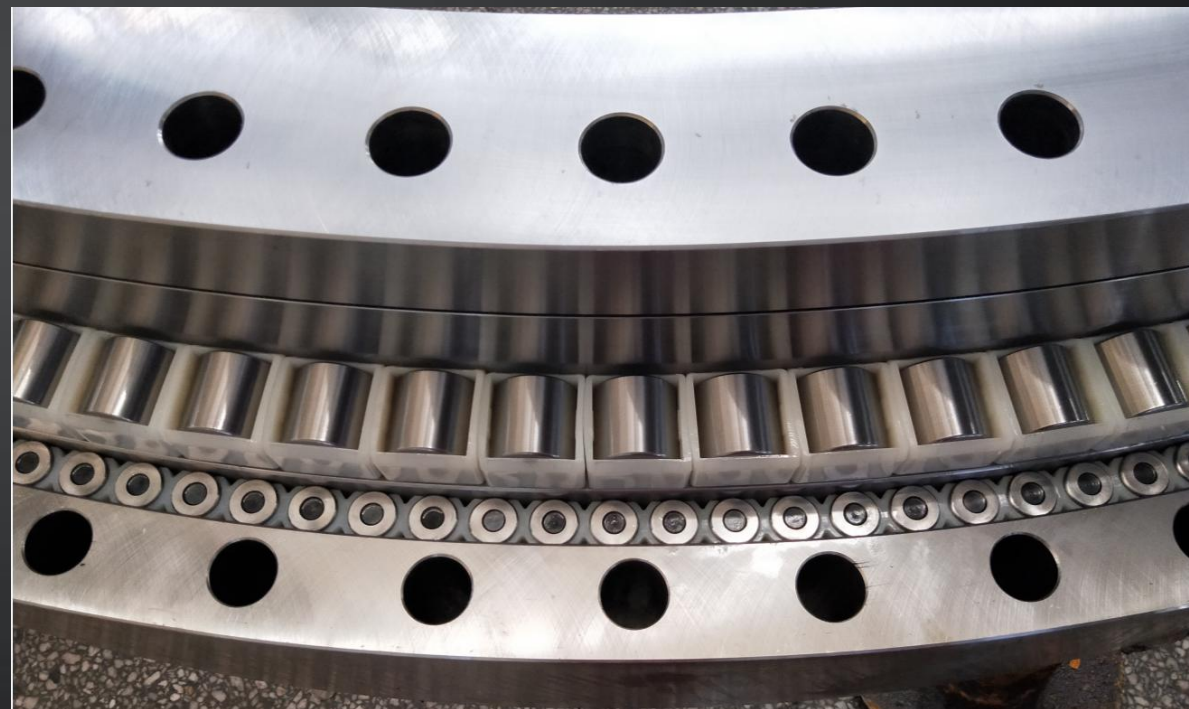
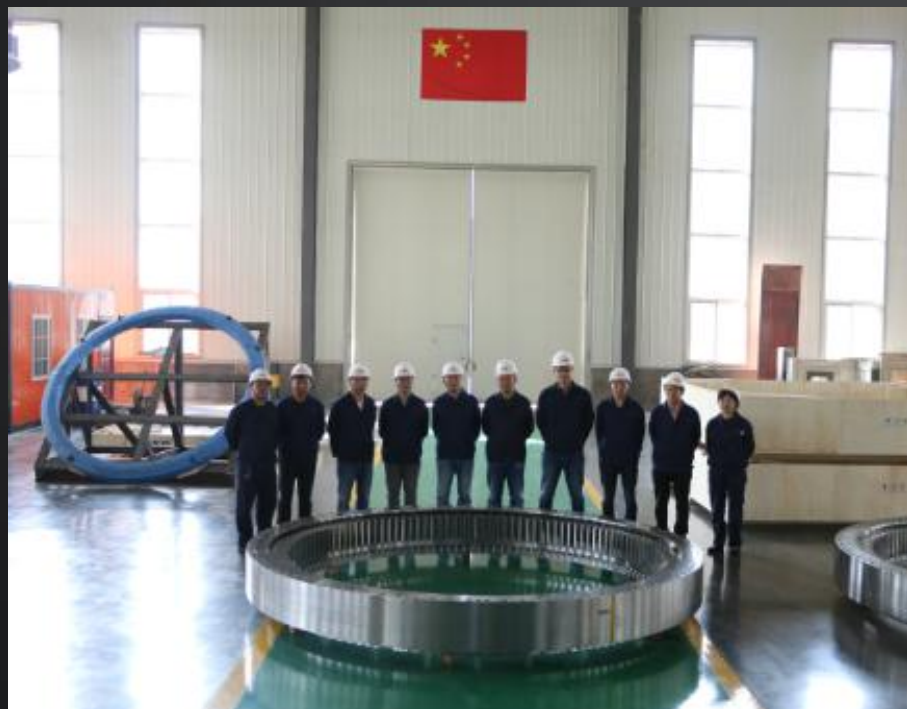
Dimension: 2948*3547.5*400mm

Unit weight: 7800KG

Application: Mining Industry Huge Excavator O&K RH170

Feature: Milled on all surface

Passed Intertek's Inspection



No.22

Export to: All over the world

Type: SE7 and WDE3 with 24VDC Motor

Feature: Single axis and dual axis slew drive

Application: CPV/CPT/CSP Solar project

Project location: Philippines, Russia and Mexico



No.23

Export to: France

Customer: Fassi Group

Slewing drive: open type S9+hydraulic motor and S14

Application: Aerial work platform

Cooperative relationship: 2 years



No.24

Export to: All over the world

Type: HSE25-2

Application: Radar Vehicle

Structure: Double worm closed slewing drive, Copper worm gear,

Feature: 0 clearance, High precision



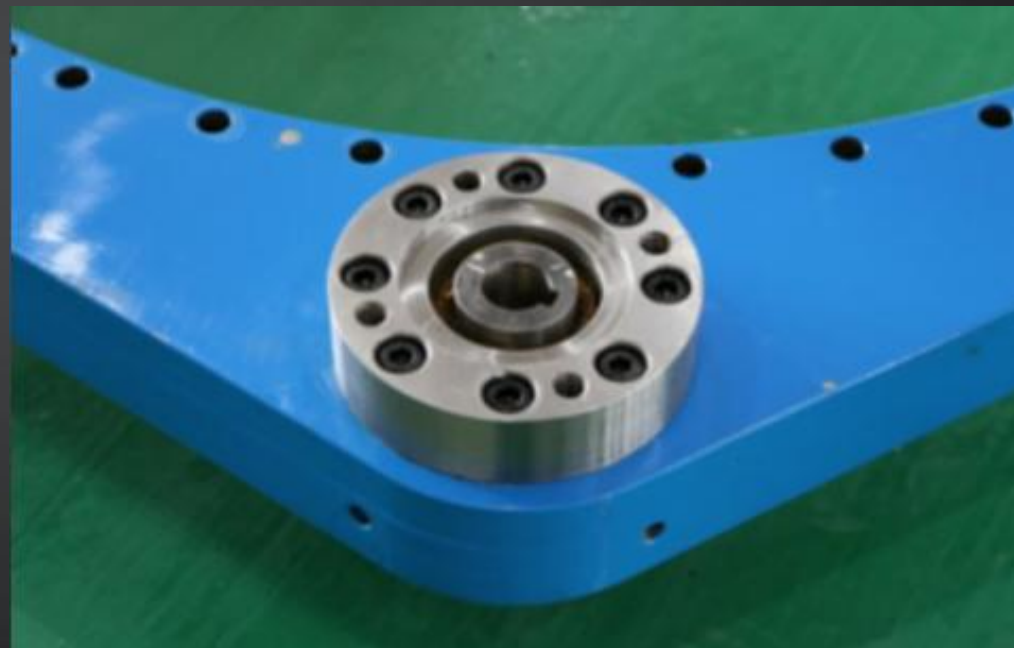
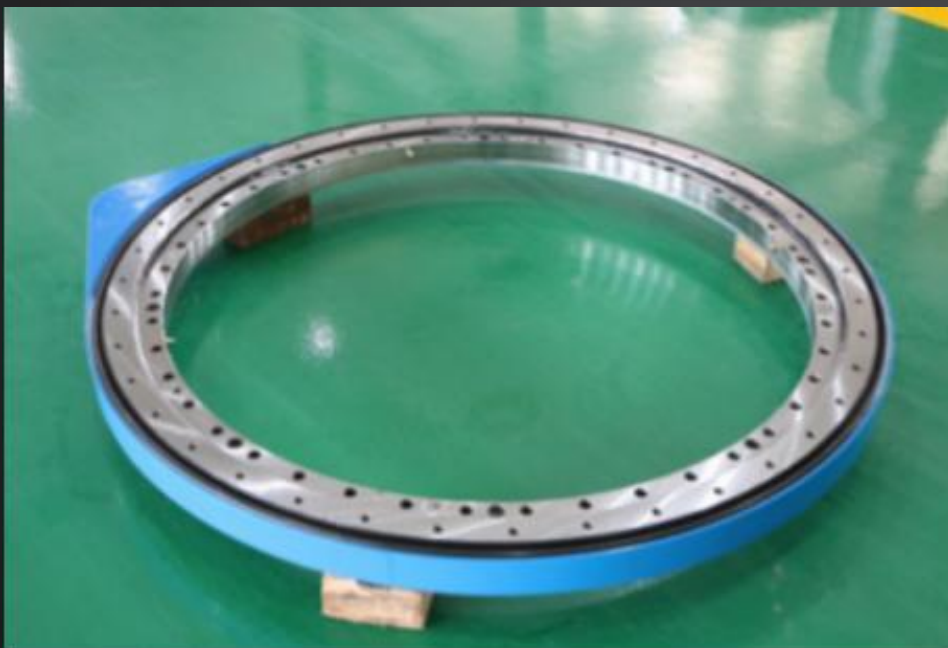
No.25

Export to : Saudi Arabia

Customer : Heavy equipment Manufacturer

Item No.: Spur gear slewing drive

Cooperative relationship: 3 years



No.26

Export to : Philippines

Customer : Solar Tracking Project EPC

Item No.: Vertical 9" Slewing drive with 24VDC Motor

Cooperative relationship: 3 years



Package and Transportation

LDB[®] SLEWING BEARING
中国精密转盘轴承智造商
China Precision Slew Bearing Manufacturer



FedEx

TNT

DHL
WORLDWIDE EXPRESS



EMS GREITASIS PAŠTAS

Customer

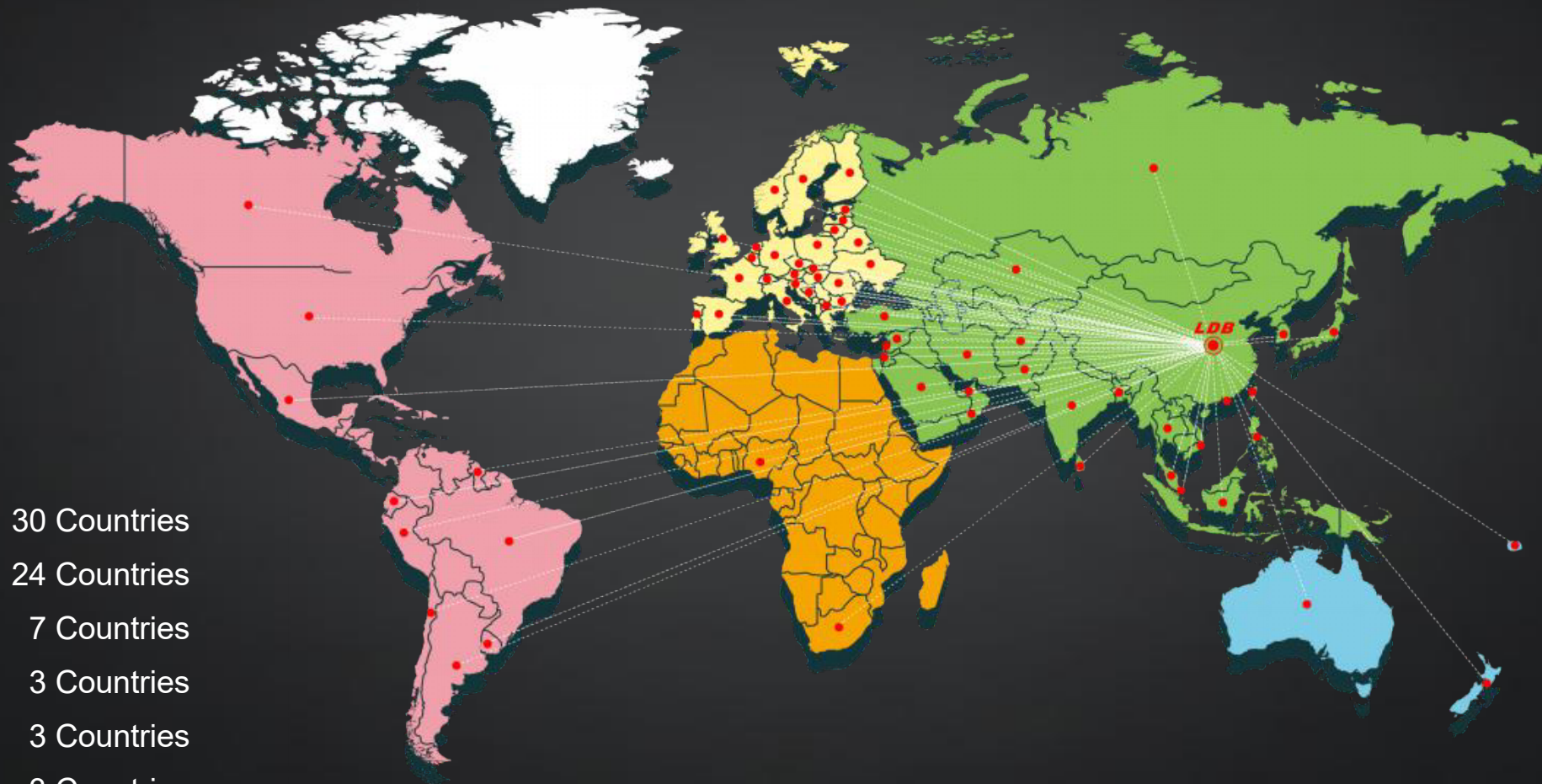
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China Precision Slewing Bearing Manufacturer

Trust the Choice of Global 500 , Trust the Products From **LDB[®]**



Exporting Country

Our products have been exported to 70 countries and regions



Europe:	30 Countries
Asia:	24 Countries
South America:	7 Countries
North America:	3 Countries
Oceania:	3 Countries
Africa:	3 Countries

Customer visit



Russian customer visit in May 2018



Australian customer visit in May 2018



Germany customer visit in May 2018



Dutch customers visited in June 2018



Korean customer visit in July 2018



Canada customer visit in October 2018

International Communication

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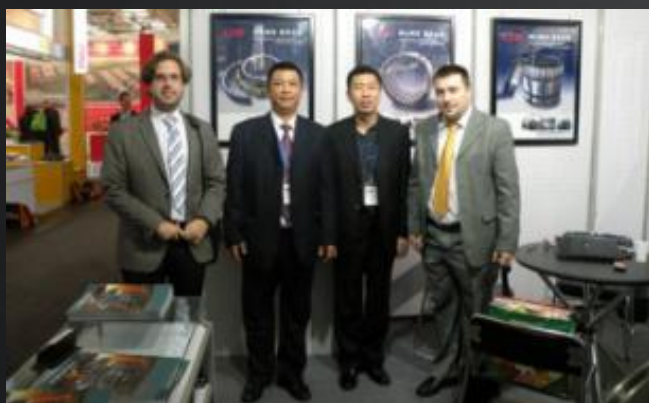
Hanover Exhibition 2009



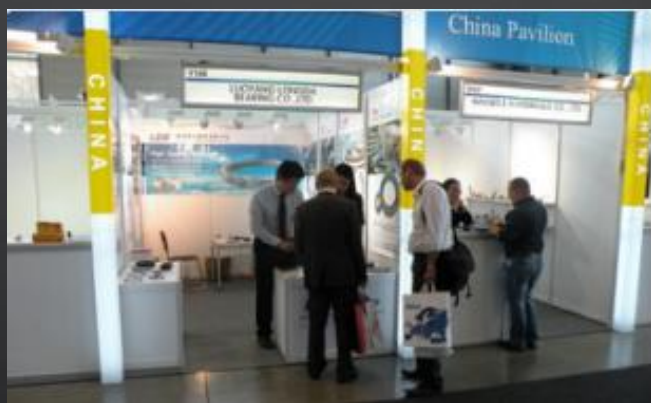
Bauma Munich 2010



Australia Aimex 2011



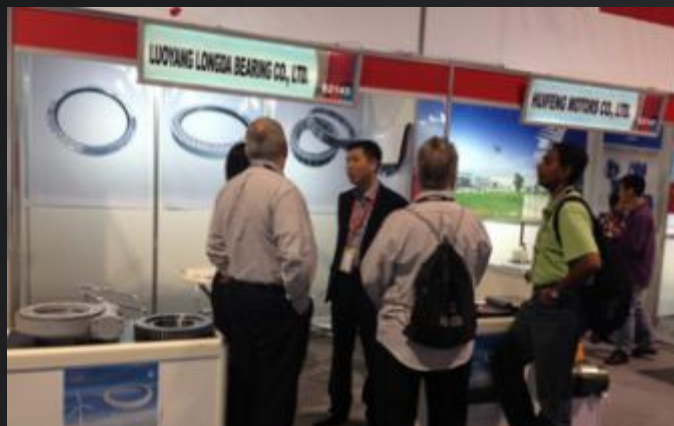
Hanover Exhibition 2011



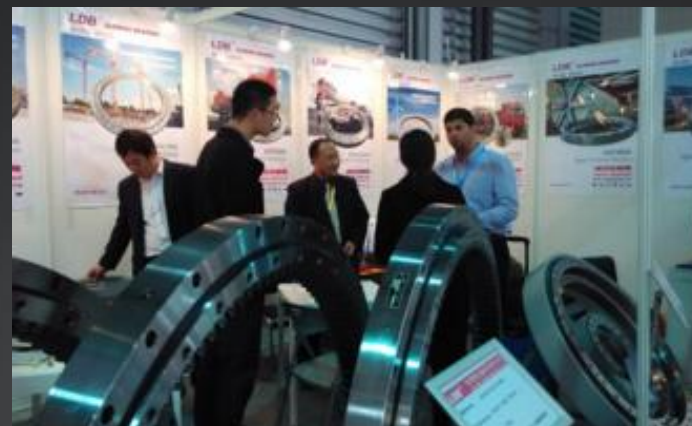
Czech 2012 MSV



KOREA KOMAF 2013



2014Las Vegas Exhibition.2



Bauma China 2014



India Excon 2015



France INTERMAT 2015



Russian 2016CTT



2017CTT

LDB Family

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