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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China Precision Slewing Bearing Manufacturer

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Company Profile

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

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

Business License

LDB logo registration certificate

ISO9001:2000

Certificate of Russian Market

中国光热电站开发供应链平台
认证供应商证书

China CSP Plant Development Supply Chain Platform
Certified Supplier

Certificate No.： 20180508252

洛阳隆达轴承有限公司

供应商基本资质（营业执照、商业信誉承诺书、质量管理体系认证证书等相关资质）已通过中国光热电站开发供应链平台的审核，特授予中国光热电站开发供应链平台认证供应商证书。

This is to certify supplier basic qualification (Business License, Business Reputation Commitment, QMS, etc.) being in conformity with China CSP Plant Development Supply Chain Platform certified supplier.

说明/Notes：1.本证书自颁发之日起有效期两年，每两年复核一次。
This certificate is valid for two years since the date of issue and is reviewed every second year.
2.本证书仅颁发电子版。
This certificate is presented in the electronic form only.
3.如遭实名举报有商业失信等行为且情况属实，本平台将撤销该认证供应商资质。
Complained by real name for such as business dishonesty and found to be true, the certified supplier qualification shall be cancelled.

颁证日期：2018年05月08日

China CSP Certified Supplier

洛阳转盘轴承“转动”海外市场

昨日，在位于高新区的洛阳隆达轴承有限公司生产车间内，工人正在测量转盘轴承零件高度。

该公司专门从事大型、特大型转盘轴承及各类非标轴承的研发和生产，产品广泛应用于工程机械、矿山机械、风力和太阳能发电设备等领域，其中转盘轴承加工范围从直径0.15米至3.5米，可配套国内外多种类型挖掘机。近年，该公司参加国内外工业展会20余次，产品出口50余个国家和地区。

记者 鲁博 通讯员 刘岳纳 摄

Luoyang Daily Report LDB Factory

河南省科技型中小企业
证书

企业名称：洛阳隆达轴承有限公司
备案编号：2017S0300007　　有效期：三年

河南省科学技术厅
2018年1月12日

Technology SME Certificate

中国制造网 认证供应商
AUDITED SUPPLIER
Presented To
Luoyang Longda Bearing Co., Ltd.
洛阳隆达轴承有限公司
http://ldbearing.en.made-in-china.com
In Recognition of Your Site Existence & Business Operations
Audited by SGS-CSTC on 2013-12-31
Audit Report Serial No.: QIP-ASI139671
Made-in-China.com 中国制造网 SGS

MADE-IN-CHINA Audited Supplier

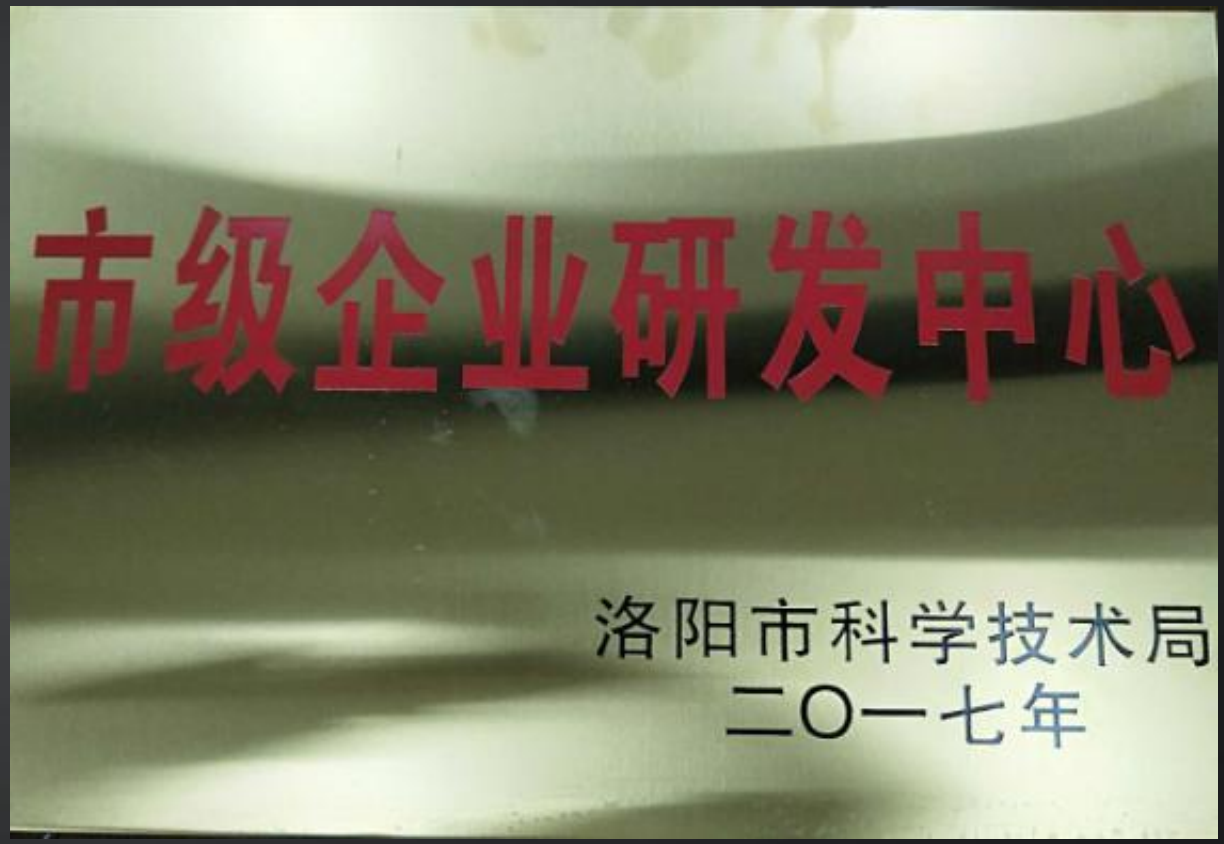
Securities Code

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

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

合同号 Contract No.	XS-XB2018-029	客户 Customer							
标准号 Standard No.	GB/T3077-1999	规格（mm） Size	Φ800	炉号 Heat No.	M1800858	交货状态 Delivery Condition	热冲	证书编号 Certificate NO.	2018-1-0858
钢号 Steel No.	42CrMo	数量 Quantity	1	总重（t） Total Weight	22.91	冶炼方法 Melting Practice	EAF/IF+LF+VD+CC	签发日期 Date of Issue	2018-07-18

化学成分 Chemical Composition（m%）

C	S	Si	Mn	P	Ni	Cr	Mo	Cu	Al	W	V	Ti
0.42	0.003	0.26	0.77	0.011	0.09	1.02	0.16	0.05		0.003	0.007	0.004
As	Sn	Pb	Sb	Bi	Zr	Nb	B	Ca		H	O	N

低倍检验 Macroscopic Test

试样号 Specimen No.	中心疏松（级） Center Porosity	中心裂纹（级） Center Crack	缩孔（级） Shrinkhole	中间裂纹（级） Intermediate Crack	皮下裂纹（级） Subsurface Crack	皮下气泡（级） Subsurface Blowhole	结晶组织（级） Grain Structure

其他 Others

表面质量 Surface Quality	合格	外形尺寸 Overall Dimension	
放射性检测监测 Radioactive Level Monitoring			

长度及重量 Length and Weight

炉号 Bloom No.	2-01											
长度(mm) Length	6030											
重量(t) 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查询。 If any doubt, please supply the certificate No. and Heat No. and keep the bloom well.											

质量监督部门盖章 Stamp of Quality Management Department
质量管理部部长 Head Of Quality Department
检验员 Checker 检049

地址（ADDRESS）：河南省济源市 JIYUAN CITY HENAN PROVINCE
电话（TEL）：（086）0391-6099000
传真（FAX）：（086）0391-6099000
公司通过 ISO 9001 质量体系认证 Approved manufacturer acc.to ISO 9001

Material Report

徐州洛吉环锻科技有限公司
Xuzhou Hongji Ring Forging Technology Co.,Ltd
Heat treatment quality report

Quenching Report

徐州洛吉环锻科技有限公司
Xuzhou Hongji Ring Forging Technology Co.,Ltd
Heat treatment quality report

Tempering Report

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

Raceway hardness report

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

无损检测实验记录
Non-destructive testing test record

型号 Bearing No.	134.70.3296.03/G1	图号 Drawing No.	12345-1-004	序列号 Serial No.	1810001 1810002
零件名称 Part No	01、21、02				
检验项目 Inspect Item	着色渗透探伤 Color penetrant inspection				

实验条件或技术要求：
检验方法：溶剂去除型Ⅰ式显影剂着色渗透探伤
试剂牌号：H-ST 通用型
试剂产地：吴江市宏达探伤器材有限公司
零件状态：待磨进
检验标准：Q/LZ L (C) 7002-2003

Technical requirements:
Inspection method: Coloring Penetrant inspection of Solvent-removed quick-drying developer
Reagent type: H-ST General type
Reagent Origin: Wujiang Hongda Testing Equipment Co.,Ltd.
Parts Condition: Raceway after final milled
Inspection Stard: Q/LZ L (C) 7002-2003

检查结果：
对对转盘轴承 134.70.3296.03/G1 编号为 1810001 和 1810002 的 01、21、02 零件滚道表面进行着色渗透探伤，未发现检测表面有开口型缺陷，探伤合格

Test Results:
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.

上述检验结果，符合要求
The check result are qualified.

检验员 Inspector: 张宏志 日期 Date: 2018.10.09

Intertek

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

无损检测实验记录
Non-destructive testing test record

型号 Bearing No.	134.70.3296.03/G1	图号 Drawing No.	12345-1-004	序列号 Serial No.	1810001 1810002
零件名称 Part No	02				
检验项目 Inspect Item	齿面硬度 Tooth Surface hardness				

实验条件或技术要求：
仪器型号：TH140 型洛氏硬度计
检验方法：里氏硬度仪硬度检测
零件状态：热处理合金钢
工艺要求：HRC 50~60
检验标准：Q/LYC 80067-2007

Technical Requirement:
Instrument model: TH140 Leeb hardness tester
Inspection method: Hardness test of Leeb Hardness tester
Parts Status: Tooth after heat-treatment
Technical requirement: HRC 50~60
Inspection Standard: Q/LYC 80067-2007

检查结果：
对对转盘轴承 134.70.3296.03/G1 编号为 1810001 和 1810002 的 02 零件齿面进行硬度检测，检验表面硬度符合工艺要求，硬度合格。

Test Results:
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.

上述检验结果，符合要求
The check result are qualified.

检验员 Inspector: 张宏志 日期 Date: 2018.10.09

Intertek

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

无损检测实验记录
Non-destructive testing test record

型号 Bearing No.	134.70.3296.03/G1	图号 Drawing No.	12345-1-004	序列号 Serial No.	1810001 1810002
零件名称 Part No	02				
检验项目 Inspect Item	荧光磁粉探伤 Fluorescent magnetic particle inspection				

实验条件或技术要求：
检验方法：荧光磁粉探伤
探伤设备：MY-2 型 便携式荧光磁粉探伤机
磁悬液：（0.2~0.6）mL/100mL 荧光磁粉悬浮液
灵敏度试片：A1-15/15 型标准试片
磁化方法：复合磁化法
零件状态：热处理合金钢
执行标准：JB/T 5000.15

Technical Requirement:
Test Method: Fluorescent magnetic particle inspection
Flaw Instrument model: MY-2 portable fluorescent magnetic particle flaw detector
Magnetic suspension: (0.2~0.6) mL/100mL fluorescent magnetic powder suspension
Sensitivity test piece: A1-15/15 type standard test piece
Magnetization method: Composite magnetization method
Parts Status: Tooth Surface after heat-treatment
Inspection Standard: JB/T 5000.15

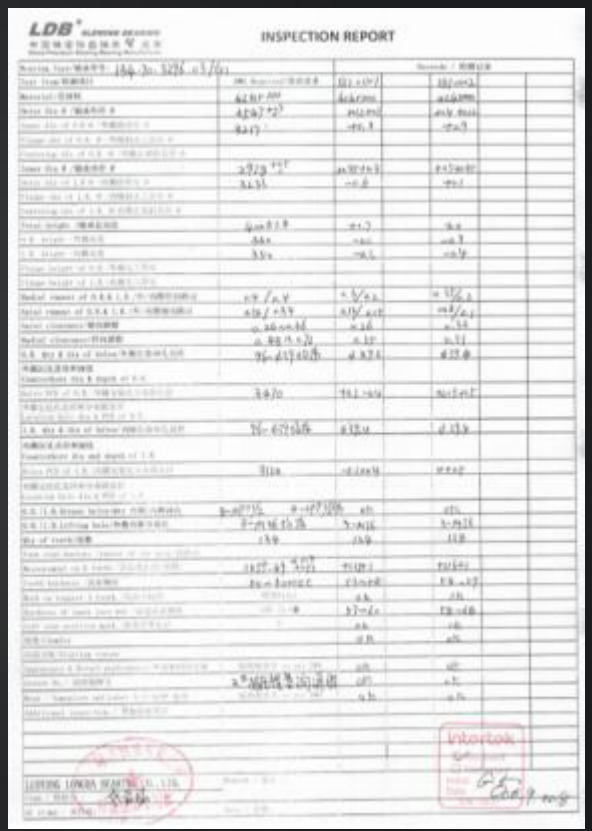
检查结果：
对对转盘轴承 134.70.3296.03/G1 编号为 1810001 和 1810002 的 02 零件齿轮表面进行荧光磁粉探伤，未发现检测表面有开口型缺陷，探伤合格。

Test Results:
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.

上述检验结果，符合要求
The check result are qualified.

检验员 Inspector: 张宏志 日期 Date: 2018.10.09

Intertek



LDB® SLEWING BEARING
中国精密转盘轴承智造商

INSPECTION REPORT

Intertek

Raceway M.P.I. Report

Teeth Hardness Report

Teeth C.P.I. Report

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

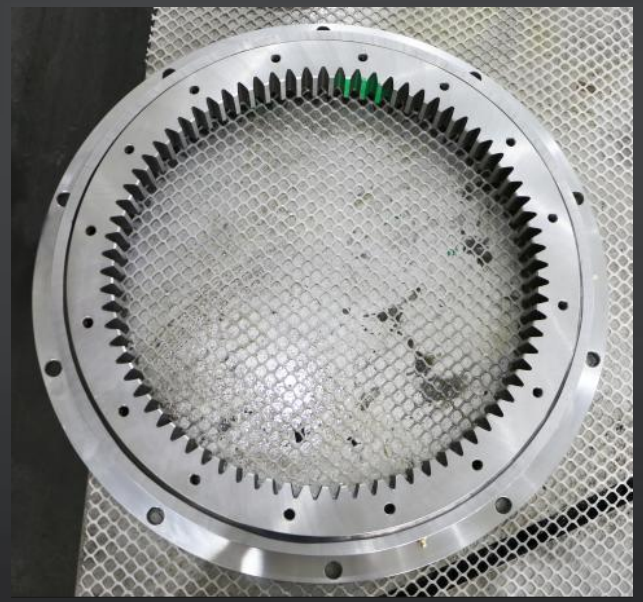
073.050.013.018

010.25.346.K3

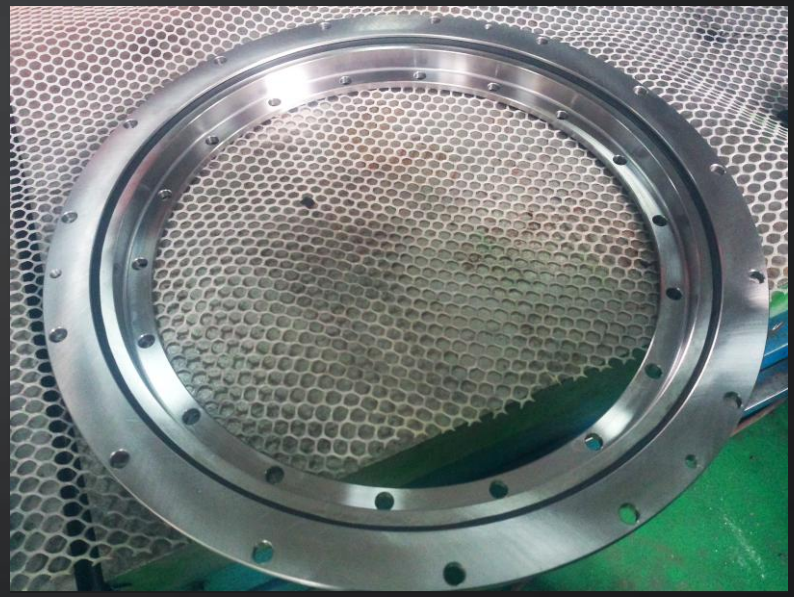
No.3

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

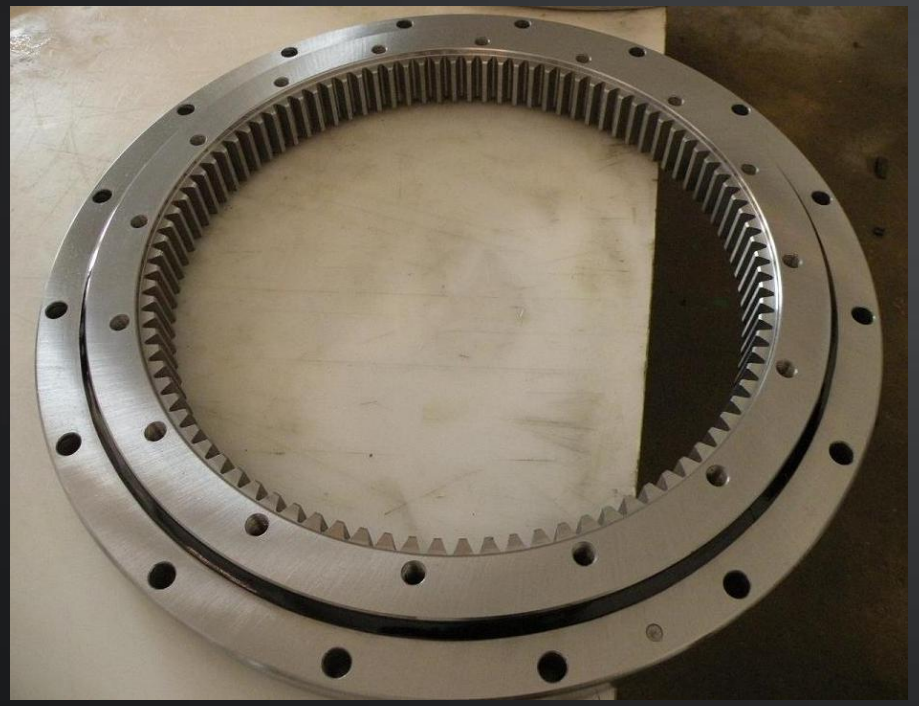
Application: AGV automatic guided vehicle
Applicated to: Warehousing , Supermarket, Logistics.
Advantage: Long lifetime. Rotation stable

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

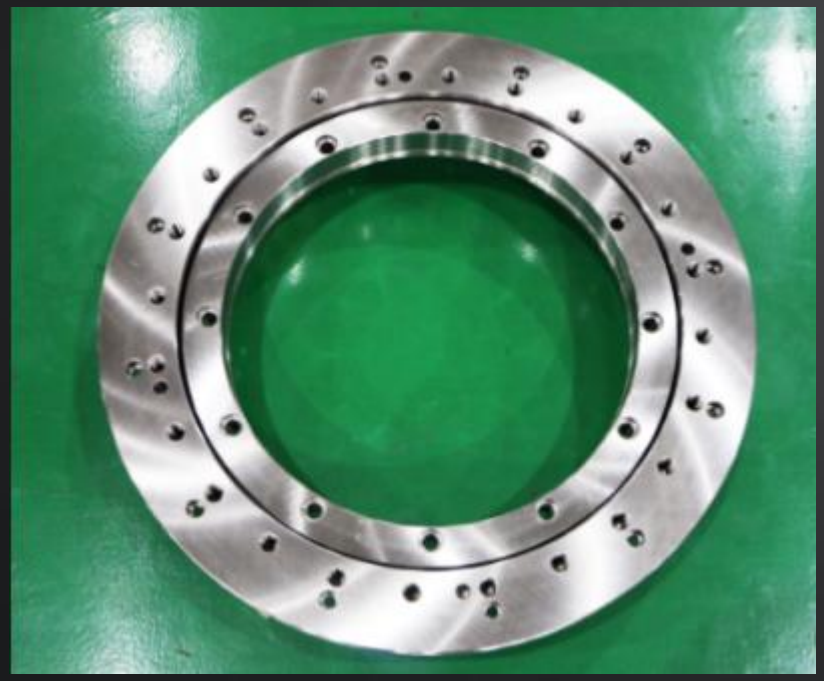


No.8

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



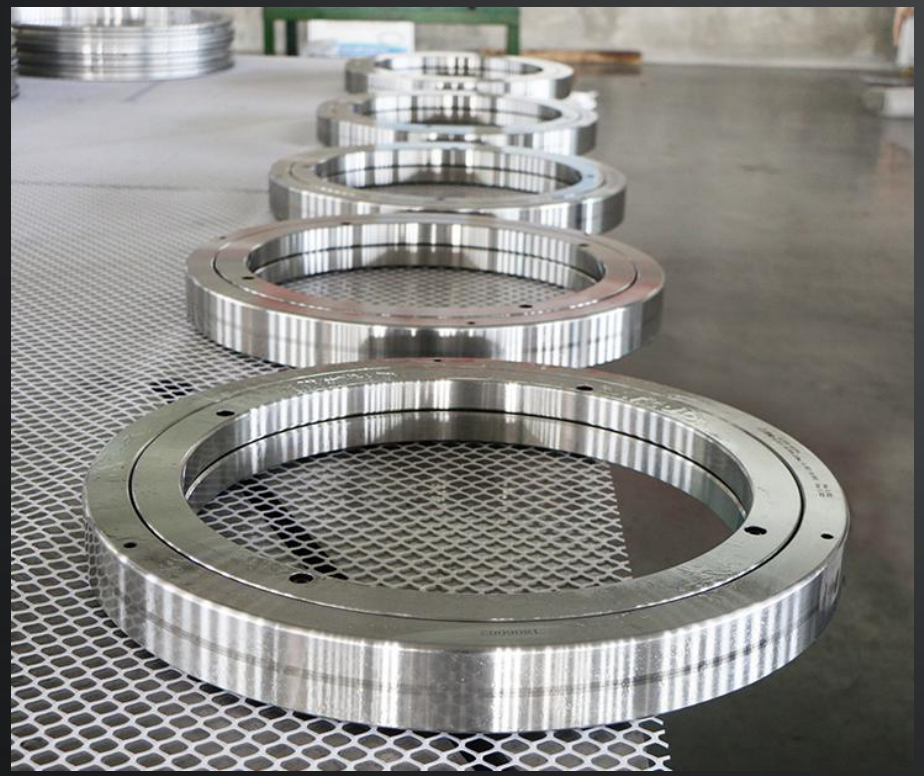
No.10

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

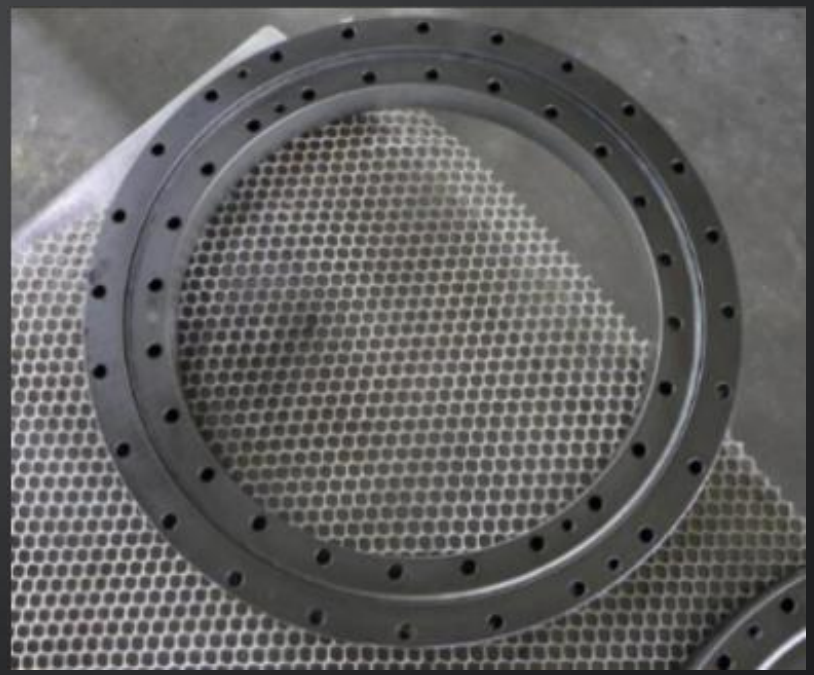
Export to: Italy
Type: XR766051
Structure: Crossed taper roller bearing

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

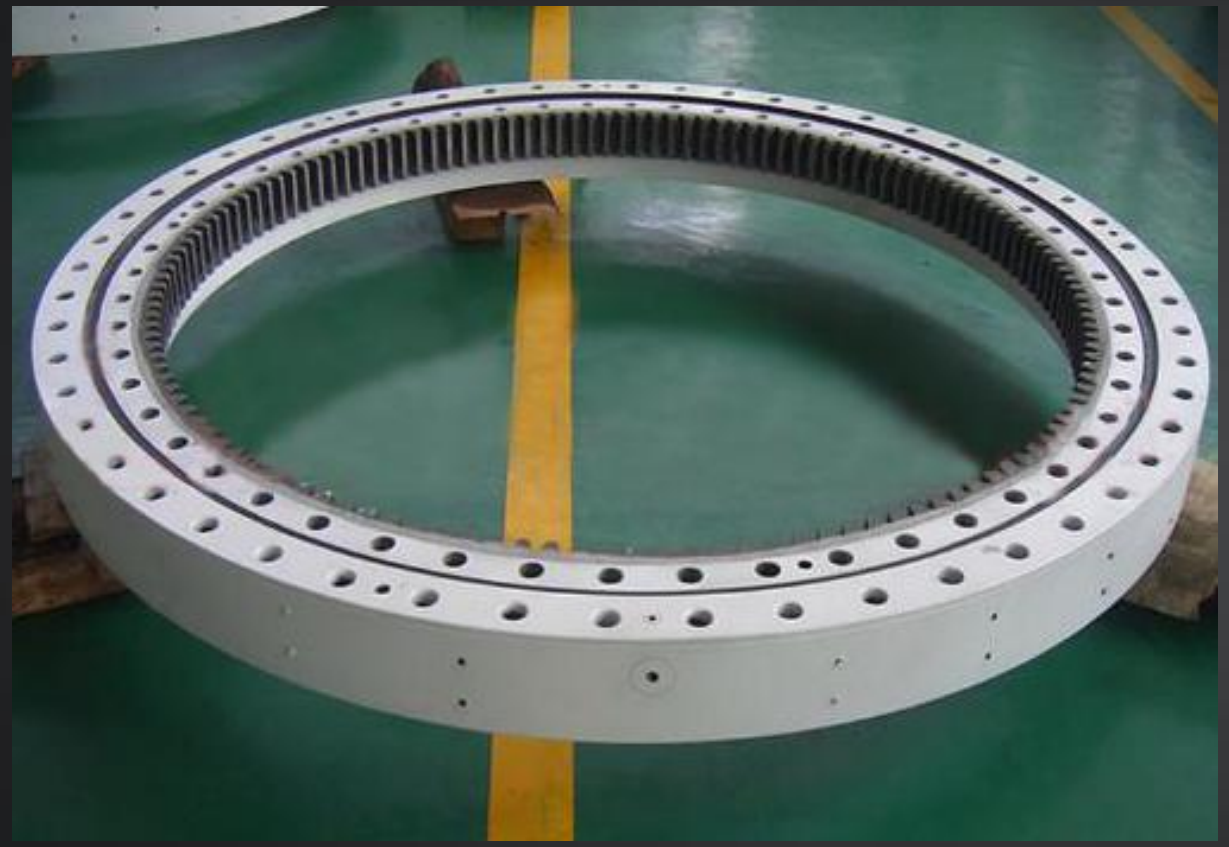


No.13

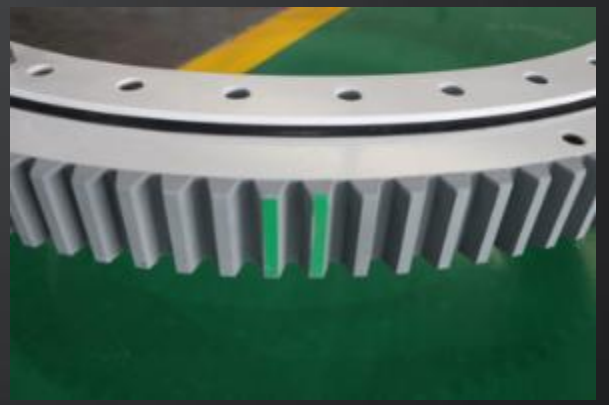
Export to: Belgium
Customer: Wind turbine manufacturer
Type:
Blade Bearing 060.40.0900.100.41.1423

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.

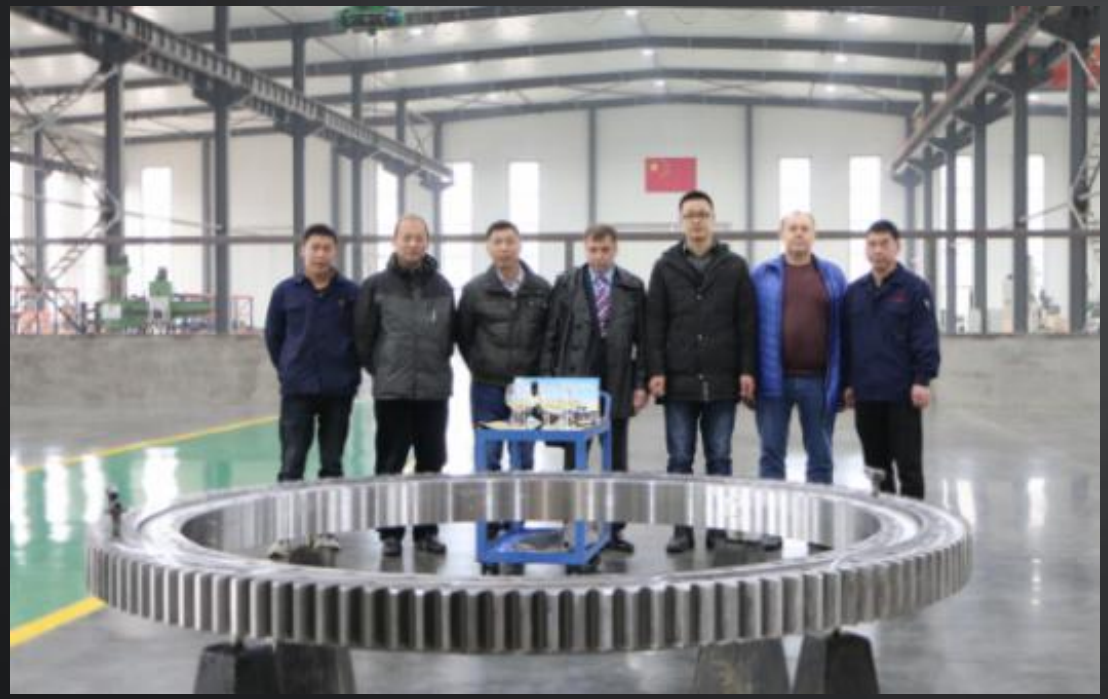
Application: Excavator
Advantage: Complete Models, Ready stock, Warrantee time 12months

KOMATSU CAT KOBELCO LIEBHERR HITACHI JCB

No.19

Export to : Russia
Customer: Tehnoros Group of Companies
Type: 191.25.2000.990.41.1502
Cooperative relationship: 2 years

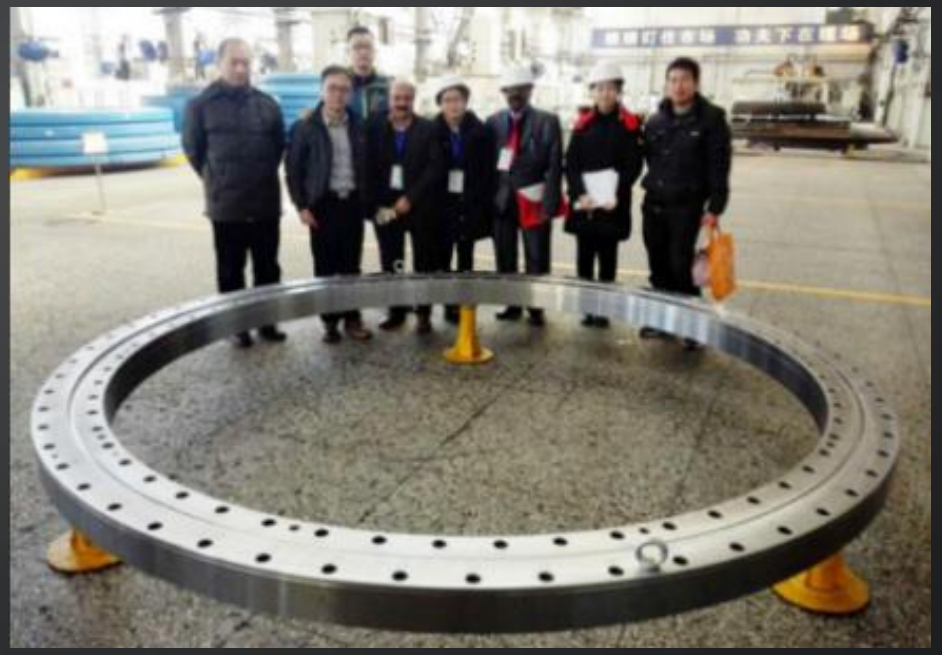
Application: Port Crane
Structure: Three row cylindrical roller slewing bearing with external gear



No.20

Export to: India
Customer: SARDA(steel plant)
Type: 190.25.2794.000.41.1502
Dimension: 3026*2614*159mm

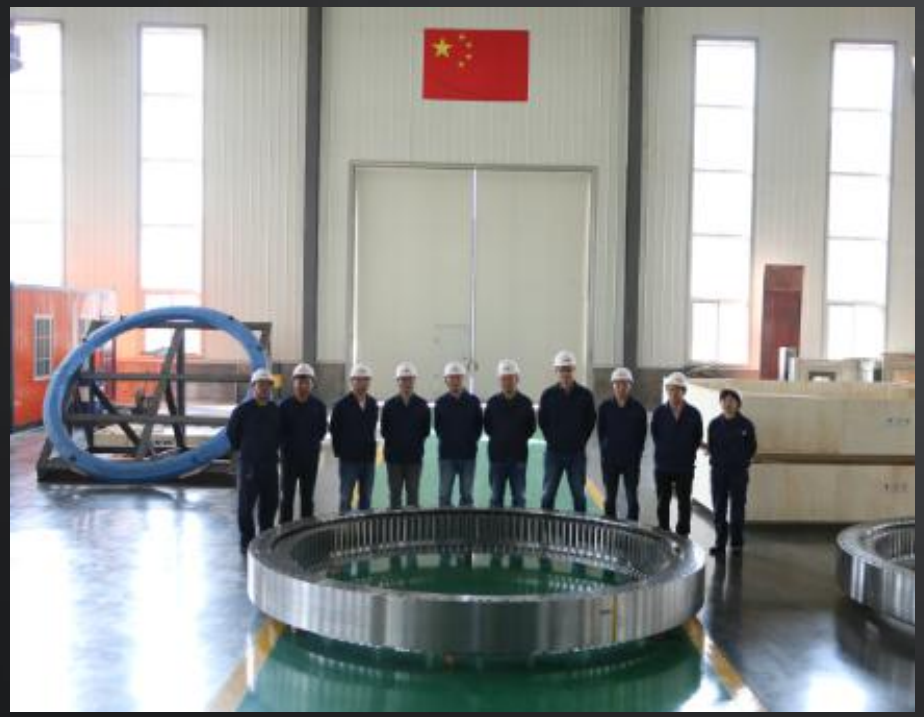
Unit weight: 1779KG
Feature: Three row cylindrical roller slewing bearing
Application:TRF stacker-reclaimer



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

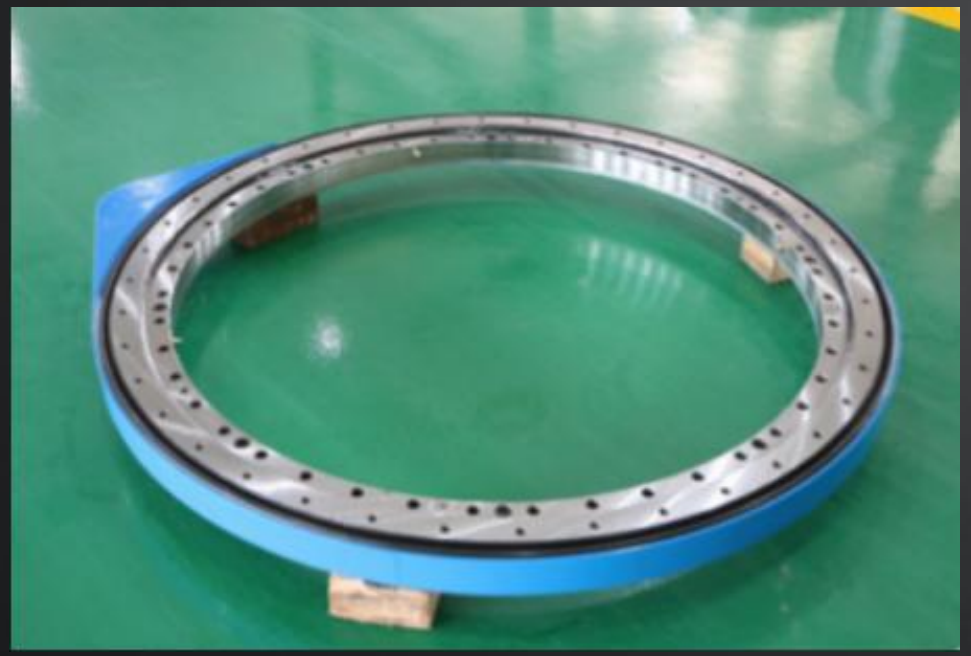
Export to: France
Customer: Fassi Group
Slewing drive: open type S9+hydraulic motor and S14
Application: Aerial work platform
Cooperative relationship: 2 years

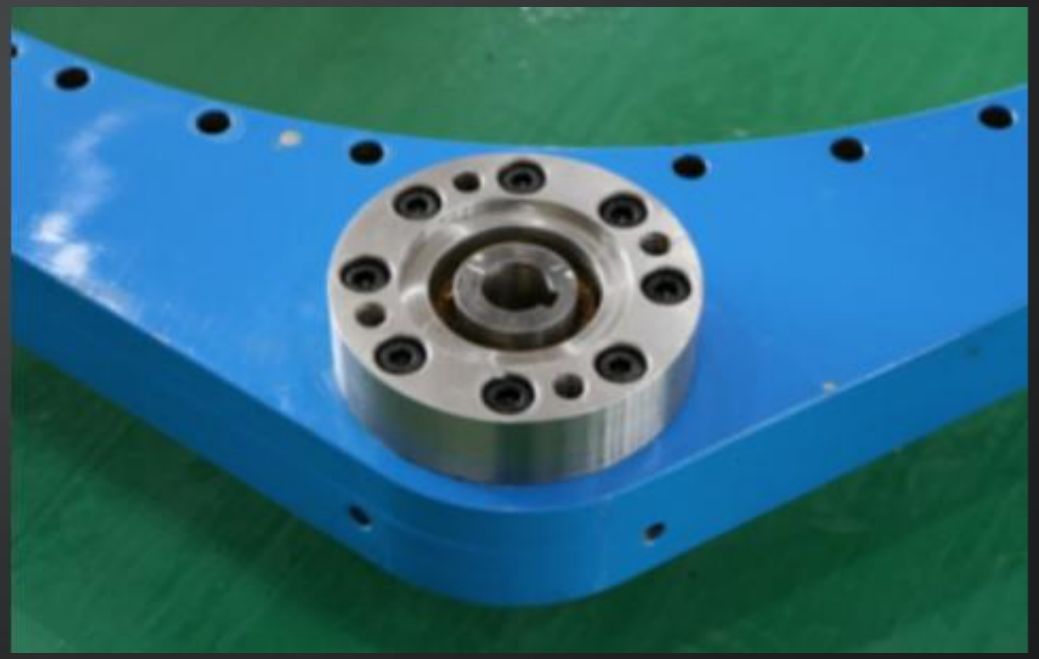
No.24

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

FedEx TNT DHL WORLDWIDE EXPRESS UPS

EMS GREITASIS PAŠTAS

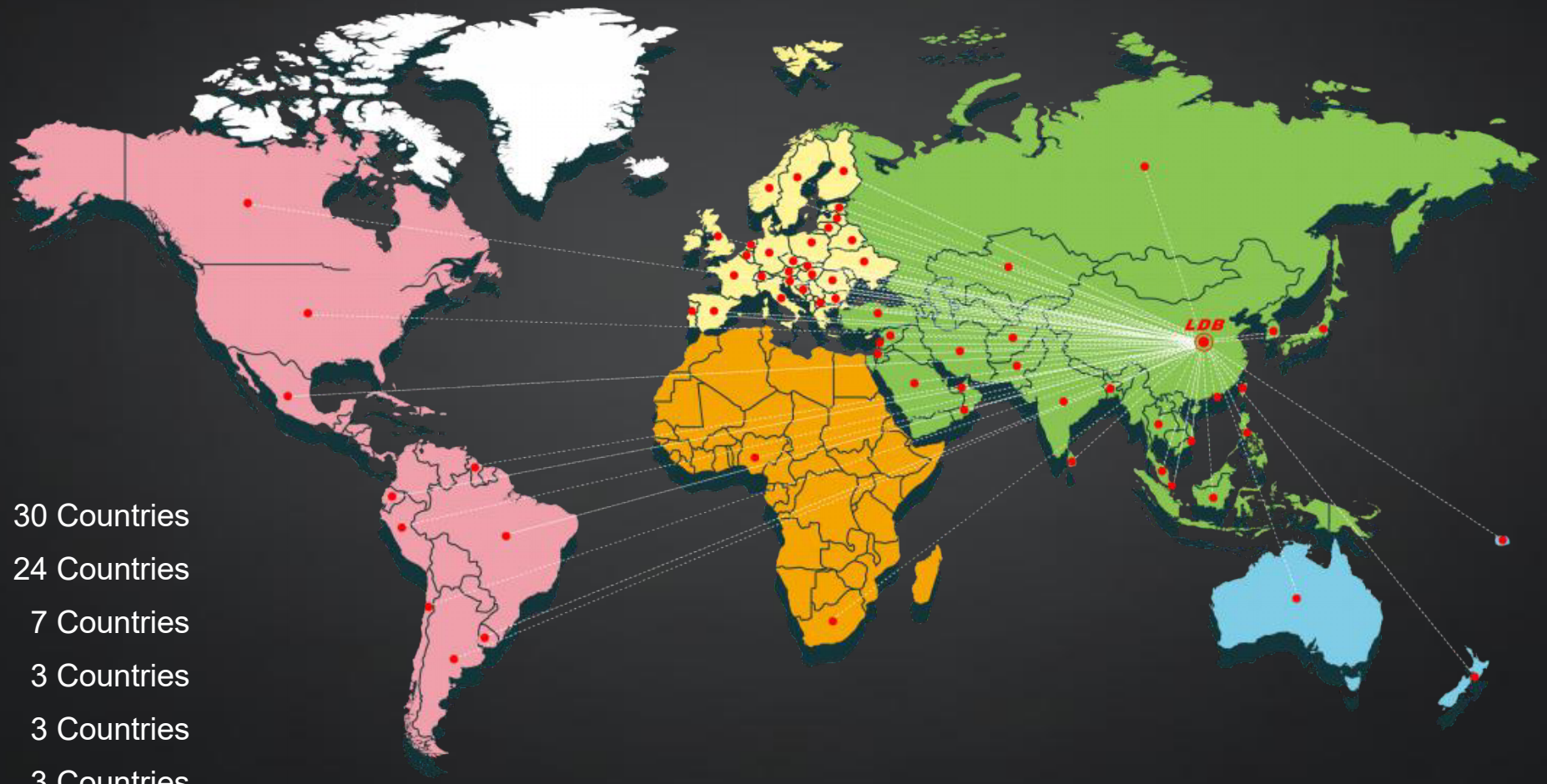
Customer

Trust the Choice of Global 500 , Trust the Products From LDB ®

Exporting Country

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

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

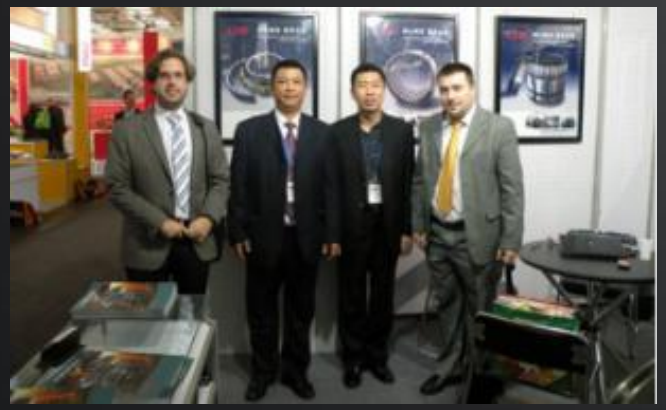
Canada customer visit in October 2018

International Communication

Hanover Exhibition 2009

Bauma Munich 2010

Australia Aimex 2011



Hanover Exhibition 2011

Czech 2012 MSV

K0REA KOMAF 2013

2014Las Vegas Exhibition.2

Bauma China 2014

India Excon 2015

France INTERMAT 2015

Russian 2016CTT

2017CTT

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