

OYD®

山东欧冶轴承有限公司

SHANDONG OYD BEARING CO.,LTD

ISO9001 • ISO14001 • ISO45001

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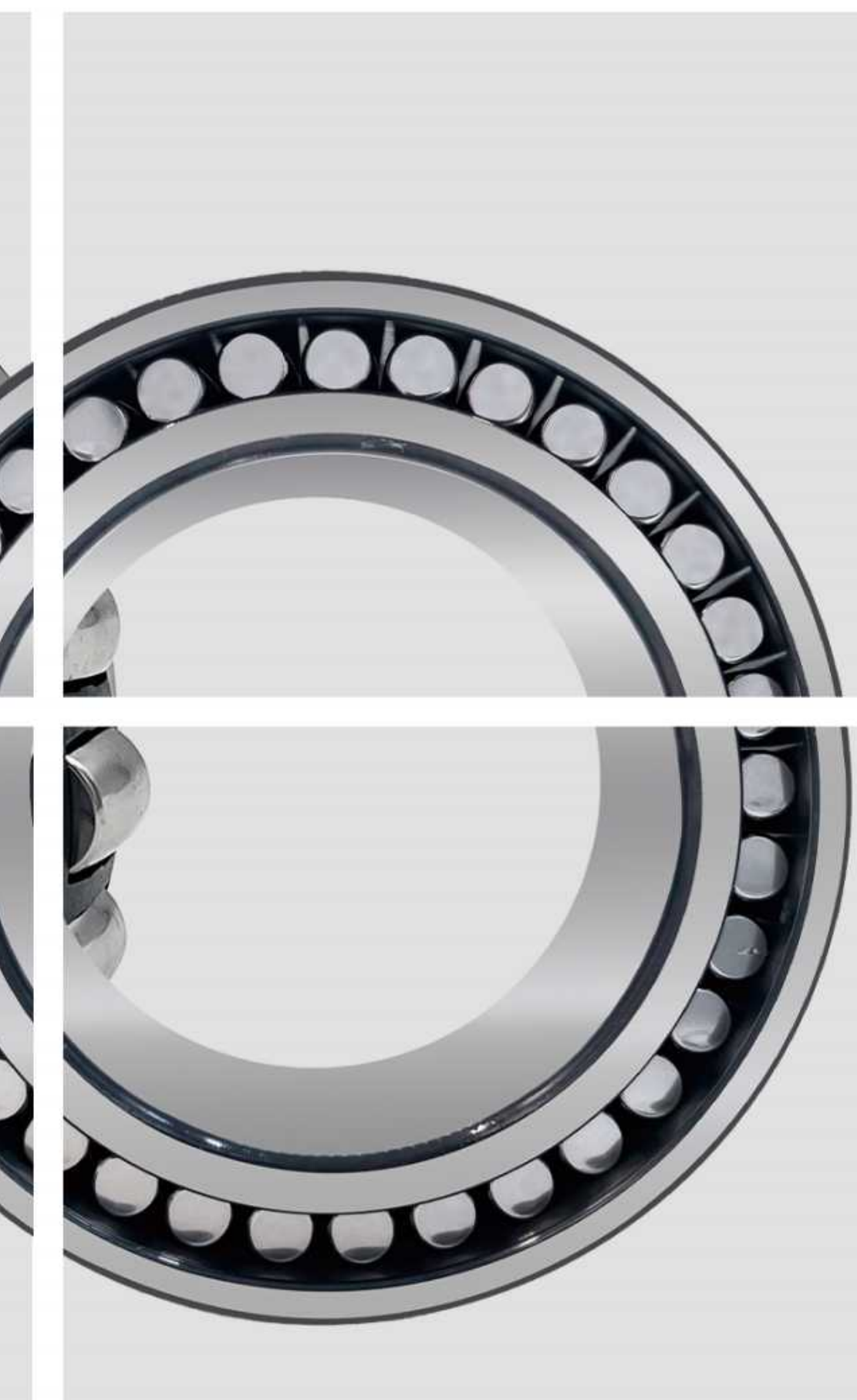


国家高新技术企业 “专精特新”中小企业

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OYD®

专业轴承制造
PROFESSIONAL
BEARING



源头工厂
非标可定制
SOURCE FACTORY
CUSTOMIZABLE

山东欧冶轴承有限公司
SHANDONG OYD BEARING CO., LTD

CRAFTSMANSHIP LASTS, BEAR GREAT WEIGHT
匠心致远 承托万钧

OYD BEARING

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2000年
Since

10000平
占地面积

200万套
年生产

COMPANY PROFILE

企业介绍

欧冶轴承是集研发、生产、销售于一体的现代化专业轴承制造企业。公司配备40余台西门子系统数控机床、17台高精度专业检测仪器，建有标准化生产车间与专属检测实验室，打造从原料加工到成品出厂的完整闭环生产体系，以精良设备筑牢精密轴承生产基础。

主营深沟球轴承、调心滚子轴承、圆柱滚子轴承、圆锥滚子轴承、CARB 圆环滚子轴承以及各类非标定制轴承。产品型号规格储备完备，可灵活适配高温、重载、多粉尘、强冲击等多种复杂工业工况。

产品广泛应用于冶金、矿山、油田等领域，长期合作客户涵盖大庆油田、山钢莱芜分公司、石横特钢、山西焦煤等国内大型工矿龙头企业，各类严苛工况充分验证产品性能。以可靠产品为根基、完善售后为保障，为海内外客户提供一站式服务与定制化产品优化方案。诚挚欢迎各界领导莅临厂区考察合作！

OYD BEARING

OYD Bearing is a modern professional bearing manufacturer integrating R&D, production and sales. Equipped with more than 40 Siemens CNC machine tools and 17 high-precision testing instruments, we have built standardized production workshops and dedicated testing laboratories. The full closed-loop production system from raw material processing to finished product delivery guarantees precise bearing manufacturing.

Our product range covers deep groove ball bearings, spherical roller bearings, cylindrical roller bearings, tapered roller bearings, CARB toroidal roller bearings and custom non-standard bearings. Our diversified specifications are well suited for harsh working conditions including high temperature, heavy load, dusty environments and heavy impact.

Our products are widely applied in metallurgy, mining and petroleum industries. We maintain long-term cooperative ties with major industrial enterprises including Daqing Oilfield, Laiwu Branch of Shandong Iron & Steel, Shiheng Special Steel and Shanxi Coking Coal, whose field operation has fully validated our stable product performance. Backed by consistent quality and comprehensive after-sales support, we deliver one-stop services and customized solutions for clients worldwide. We sincerely welcome partners from all sectors to visit our factory and discuss cooperation opportunities.



检测工艺与品质保障

Under the ISO quality management system, OYD Bearing adopts a full-process closed-loop quality inspection mechanism. Four strict inspection procedures are implemented step by step: raw material composition and hardness screening, in-process patrol inspection, precision dimensional verification for semi-finished products, and comprehensive performance testing for finished goods.



Equipped with high-precision testing instruments and a professional laboratory, we conduct routine parameter tests covering dimensional accuracy, internal clearance, vibration, hardness and surface finish. Customized working condition simulation tests are also available for diverse application environments.

All standard bearings and customized non-standard bearings undergo strict inspections to steadily guarantee precision, running performance and durability. We deliver reliable quality to meet the operational demands of mechanical equipment across all industries.



依托 ISO 质量管理体系, OYD 轴承全面推行全流程闭环质检。原料材质与硬度筛查、工序加工巡检、半成品精密尺寸核验、成品综合性能检测四道关卡层层管控。

依托高精度检测设备与专业实验室, 可完成尺寸精度、游隙、振动、硬度、光洁度等常规参数检测, 同时针对各类使用环境开展定制化工况模拟测试。标准轴承与非标定制轴承均需经过严苛检测, 稳定保障产品精度、运转性能与耐用性, 凭借过硬品质满足各行各业机械设备的运转需求。

质量管控与体系认证

Quality Control & System Certifications



公司现已通过 ISO9001 质量管理体系、ISO45001 职业健康安全管理体系、ISO14001 环境管理体系、企业诚信管理体系、商品售后服务体系、测量管理体系、产品碳足迹管理体系、能源管理体系等多项权威体系认证；先后荣获国家高新技术企业、专精特新中小企业称号。

公司现有 3 项发明专利、19 项实用新型专利，产品工况使用寿命可达进口同类产品的 95% 以上。

The company has obtained a full range of authoritative certifications, including the ISO 9001 Quality Management System, ISO 45001 Occupational Health and Safety Management System, ISO 14001 Environmental Management System, Enterprise Integrity Management System, Commodity After-sales Service System, Measurement Management System, Product Carbon Footprint Management System and Energy Management System. We have been certified as a National High-tech Enterprise and a Specialized, Refined, Unique & Innovative SME (SRUI SME).

At present, the company holds 3 invention patents and 19 utility model patents. The service life of our products under actual working conditions exceeds 95% of imported counterparts.

MAIN
PRODUCTS

主营产品

非标定制轴承

来图来样加工，按需定制尺寸材质，
适配重工设备，精度可靠抗重载，源头
工厂支持小批量试样，满足
特殊工况需求。

CARB轴承

具备自动调心能力，可补偿轴向位移；承载能力大、耐磨耐久，完美适配钢厂连铸机严苛工况，运行平稳、使用寿命长久。

调心滚子轴承

拥有优异自动调心特性，可补偿轴倾斜偏差与装配误差；径向承载能力突出，耐冲击、耐磨耐高温，适配重载、多粉尘等恶劣工况，广泛应用于矿山、冶金、钢厂连铸机组。

深沟球轴承

结构简洁、通用性优异，可承受
径向载荷与双向轻微轴向载荷，
运转平顺、噪音小、极限转速高，
普遍适配各类通用机械设备。

圆锥滚子轴承

可同时承受径向、轴向复合载荷，承载能力优异，
结构刚性强，广泛用于减速机、冶金矿山设备、
重型车辆等传动机构。

圆柱滚子轴承

径向承载能力出众，摩擦系数低、极限转速高，可适应轴向微量伸缩，精度稳定、经久耐用，常用于冶金、矿山及重型机械设备传动组件。

01

深沟球轴承

Deep Groove Ball Bearings

► 产品简介 / Product Introduction

深沟球轴承是应用最为广泛的轴承类型。该轴承摩擦系数小, 经过结构优化可降低噪音与振动, 实现高速运转; 可承受径向与双向轴向载荷, 安装便捷, 相比其他轴承维护工作量更小。

Deep groove ball bearings are one of the most widely-used bearing types. Featuring low friction, they generate less noise and vibration after structural optimization for high-speed operation. Capable of accommodating radial and bidirectional axial loads, they are easy to install and require less maintenance than other bearing types.

► 产品特性 / Product Features

通用性强, 应用场景广泛

High versatility for extensive applications

结构简约, 拆装轻松便捷

Simple structure, easy installation

摩擦系数小, 运转噪音更低

Low friction and quiet running

可承受径向与双向轴向载荷

Withstand radial and two-way axial loads

极限转速高, 运行平稳

High limiting speed and stable operation

故障率低, 日常维护简单

Low failure rate and minimal maintenance



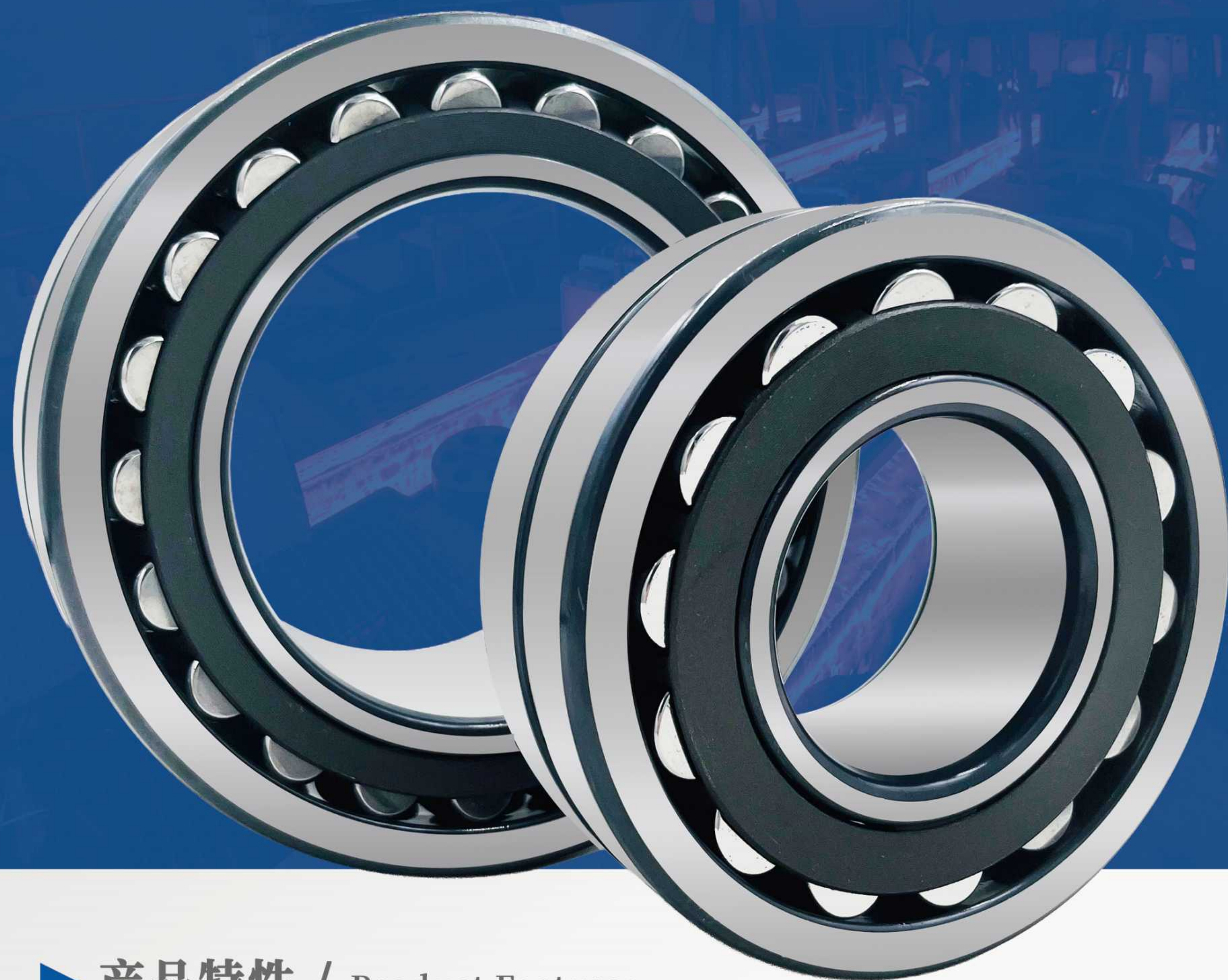
► 应用范围 / Application Scope

深沟球轴承广泛适用于工业机械、汽车、农业设备、风机、输送系统及精密仪器等需要承受径向和小幅轴向载荷的场景。

Deep groove ball bearings are widely applied in industrial machinery, automobiles, agricultural equipment, fans, conveying systems and precision instruments for conditions requiring radial and slight axial loads.



02 调心滚子轴承 Spherical Roller Bearings



► 产品特性 / Product Features

自动调心, 适配安装偏差

Self-aligning, tolerates installation deviation

耐磨耐高温防尘

Wear, heat and dust resistant

重载能力优异

High heavy-load capacity

运转平稳, 故障率低

Smooth operation with low failure rate

抗冲击、耐震动

Shock and vibration resistant

经久耐用, 使用寿命更长

Sturdy construction for prolonged service life

► 产品简介 / Product Introduction

调心滚子轴承具有双列滚子, 外圈有1条共用球面滚道, 内圈有2条滚道并相对轴承轴线倾斜成一个角度。这种巧妙的构造使它具有自动调心性能, 因而不受轴与轴承箱座角度对误差或轴弯曲的影响, 适用于安装误差或轴挠曲而引起角度误差之场合。该轴承除能承受径向负荷外, 还能承受双向作用的轴向负荷。

Spherical roller bearings adopt double-row roller design. The outer ring features a shared spherical raceway, while the inner ring is equipped with two inclined raceways relative to the bearing axis. This unique structure delivers outstanding self-aligning performance, which effectively counteracts angular deviation caused by shaft deflection and housing mounting errors, making it ideal for applications with installation misalignment and shaft bending. Apart from heavy radial loads, the bearings can also withstand bidirectional axial loads.



► 应用范围 / Application Scope

广泛应用于钢厂连铸机组、矿山破碎机、冶金设备、大型风机、水泥建材机械、造纸设备以及各类重型工程机械等重载、震动大的工业场景。

They are widely applied in steel continuous casting machines, mining crushers, metallurgical equipment, large fans, cement machinery, papermaking equipment and various heavy construction machinery for heavy-load and high-vibration industrial scenarios.

Tapered Roller Bearings

圆锥滚子轴承

03



圆锥滚子轴承具备高承载能力与可分离结构,可同时承受径向-轴向复合载荷,广泛应用于汽车、工程机械、轨道交通、能源设备及工业传动领域。通过选用不同列数、接触角及尺寸规格,可适配从轻载高速至重载低速的各类工况。

Tapered roller bearings feature high load capacity and separable structure, capable of bearing combined radial and axial loads. Available in various row counts, contact angles and sizes, they suit working conditions ranging from light load high speed to heavy load low speed, and are widely adopted in automobiles, engineering machinery, rail transit, energy equipment and industrial transmission systems.

产品特性 / Product Features



可承受径向、轴向复合载荷
Bears combined radial and axial loads



承载强度高, 支撑刚性出色
High load capacity and rigid support



内外圈可分离, 拆装调试简便
Separable rings for easy mounting and adjustment



多规格接触角, 工况适配广泛
Various contact angles for wide application



兼顾轻载高速与重载低速场景
Suits light high-speed and heavy low-speed conditions



传动稳定, 耐用性佳
Stable transmission and great durability

应用范围 / Application Scope

广泛应用于汽车车桥与变速箱、工程机械、轨道交通车辆、能源装备以及各类工业减速机、重型传动机构等需要承受径向轴向复合载荷的部位。

Widely applied to automobile axles and gearboxes, construction machinery, rail transit vehicles, energy equipment, industrial reducers and heavy-duty transmission mechanisms requiring combined radial and axial loads.



圆柱滚子轴承

Cylindrical Roller Bearings

04

产品特性 / Product Features



径向承载力强悍, 重载受力均匀稳定

Great radial load capacity, uniform stress under heavy loads



适配高速运转, 温升小, 运行平稳低噪

Suitable for high speed, low temperature rise and quiet running



内外圈可拆分, 装卸便捷

Separable rings for easy installation



刚性优异, 抗形变能力强

High rigidity and deformation resistance



轴向限位适中, 适配传动轴

Moderate axial positioning for transmission shafts



耐磨耐用, 适合连续工况

Wear-resistant, suitable for continuous operation

产品简介 / Product Introduction

圆柱滚子轴承为滚子与滚道线接触结构, 径向承载能力突出, 极限转速高; 内外圈可分离, 装配检修便捷, 结构刚性优异, 可补偿轴微量热伸缩与装配误差, 温升高、运行平稳耐磨。广泛应用于电机、轧机、减速机、风机、压缩机、矿山机床等持续承受大径向载荷的高速重载设备。



Cylindrical roller bearings adopt line contact between rollers and raceways, boasting remarkable radial load capacity and high limiting speed. Separable inner and outer rings enable easy assembly and maintenance. With outstanding structural rigidity, they can accommodate minor shaft thermal expansion and mounting errors. Featuring low temperature rise, stable operation and good wear resistance, they are widely applied in motors, rolling mills, reducers, fans, compressors, mining machinery and machine tools subject to continuous heavy radial loads.



应用范围 / Application Scope

广泛应用于冶金轧钢、矿山机械、大中型电机、风机压缩机、精密机床、风电设备、轨道交通、工业减速机及输送设备。

Widely used in steel rolling, mining machinery, large and medium-sized motors, fans and compressors, precision machine tools, wind power equipment, rail transit, industrial reducers and conveying equipment.



CARB toroidal roller bearings

CARB圆环滚子轴承

05



CARB圆环滚子轴承是过去60年内滚动轴承技术最重要的突破之一, 该轴承于1995年由SKF研制面市。

CARB轴承是一种单列滚子轴承, 带有长而稍具弧面的滚子。其内外圈的滚道为凹弧面并且具有对称性, 外圈滚道呈圆环状, 因此这种轴承被称为圆环滚子轴承。

CARB toroidal roller bearings is one of the most important breakthroughs in rolling bearing technology in the past 60 years, which was developed by SKF in 1995.

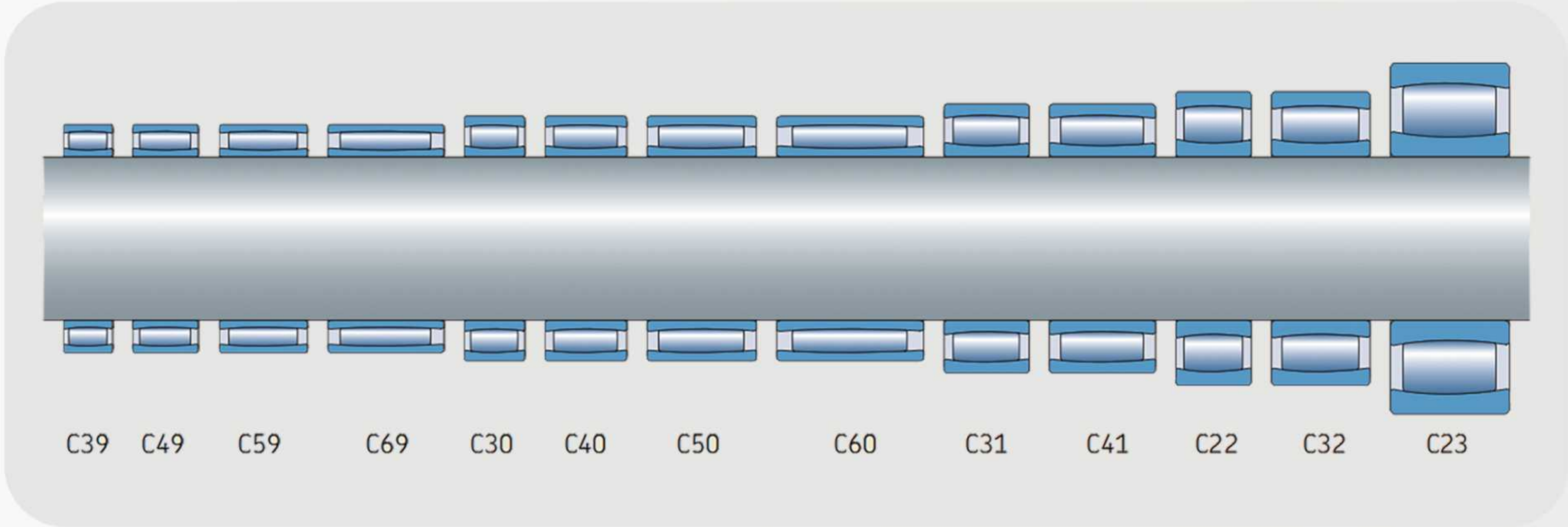
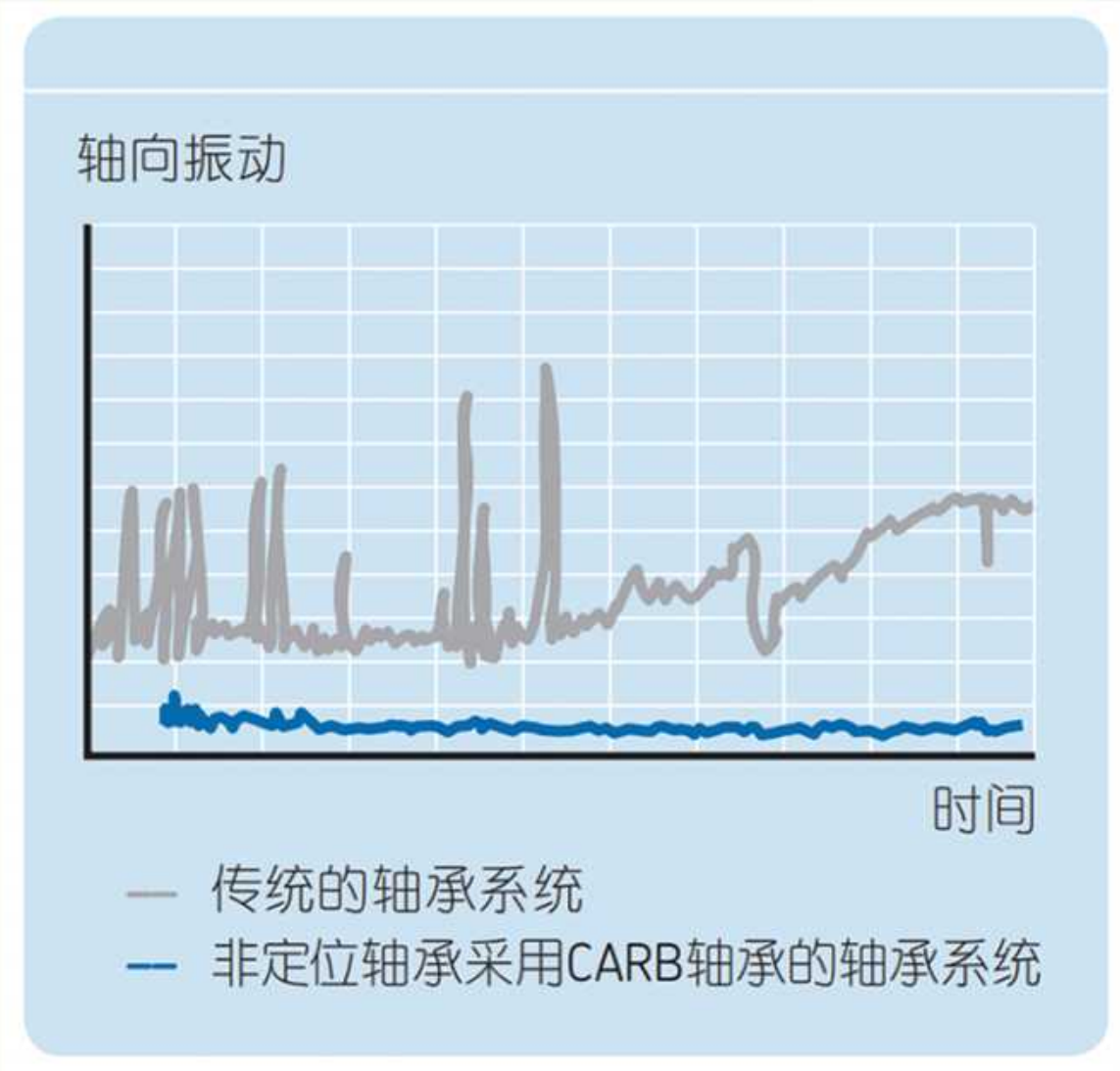
The CARB bearing is a single row roller bearing with a long and slightly curved roller. The raceways of the inner and outer rings are concave and symmetrical, and the raceways of the outer rings are circular, so this kind of bearing is toroidal roller bearings.

产品特性 / Product Features

-  **耐高温, 可轴向位移**
High temperature resistance, permits axial displacement
-  **轴承系统寿命长, 高承载能力**
Long service life for bearing system, high load-carrying capacity
-  **降低振动, 提高性能或减小尺寸**
Reduces vibration, enables improved performance or compact
-  **全方位互换性, 自调心能力**
Full interchangeability, self-aligning capability

CARB轴承可以大幅度地降低轴向振动, 从而延长使用寿命, 减小运行噪音。

CARB bearings can greatly reduce axial vibration, thereby extending service life and reducing operating noise.



应用范围 / Application Scope

广泛应用于连铸机导向辊、轧钢设备、输送辊道、振动筛以及需要同时兼顾自动调心与轴向自由伸缩的严苛工况。

Widely used in continuous casting guide rolls, steel rolling equipment, conveyor roller tables, vibrating screens and conveying machinery, suited for harsh working conditions requiring both self-alignment and free axial elongation.



Non-standard Custom Bearing Services

非标定制轴承服务

可依据设备载荷、安装空间、工况温度定制各类特殊轴承。支持特殊材质、加宽加厚、专属游隙、异形保持架、密封结构改制，适配钢铁、矿山、造纸、油田等重工设备特殊工况需求；可承接图纸研发，大小批量均可生产。

Bearings can be customized according to equipment load, installation space and operating temperature. Custom-made materials, widened/thickened dimensions, special internal clearance, special cages and modified sealing structures are available for metallurgy, mining, papermaking and petroleum industries. We accept drawing-based R&D and orders of both small and large batch production.

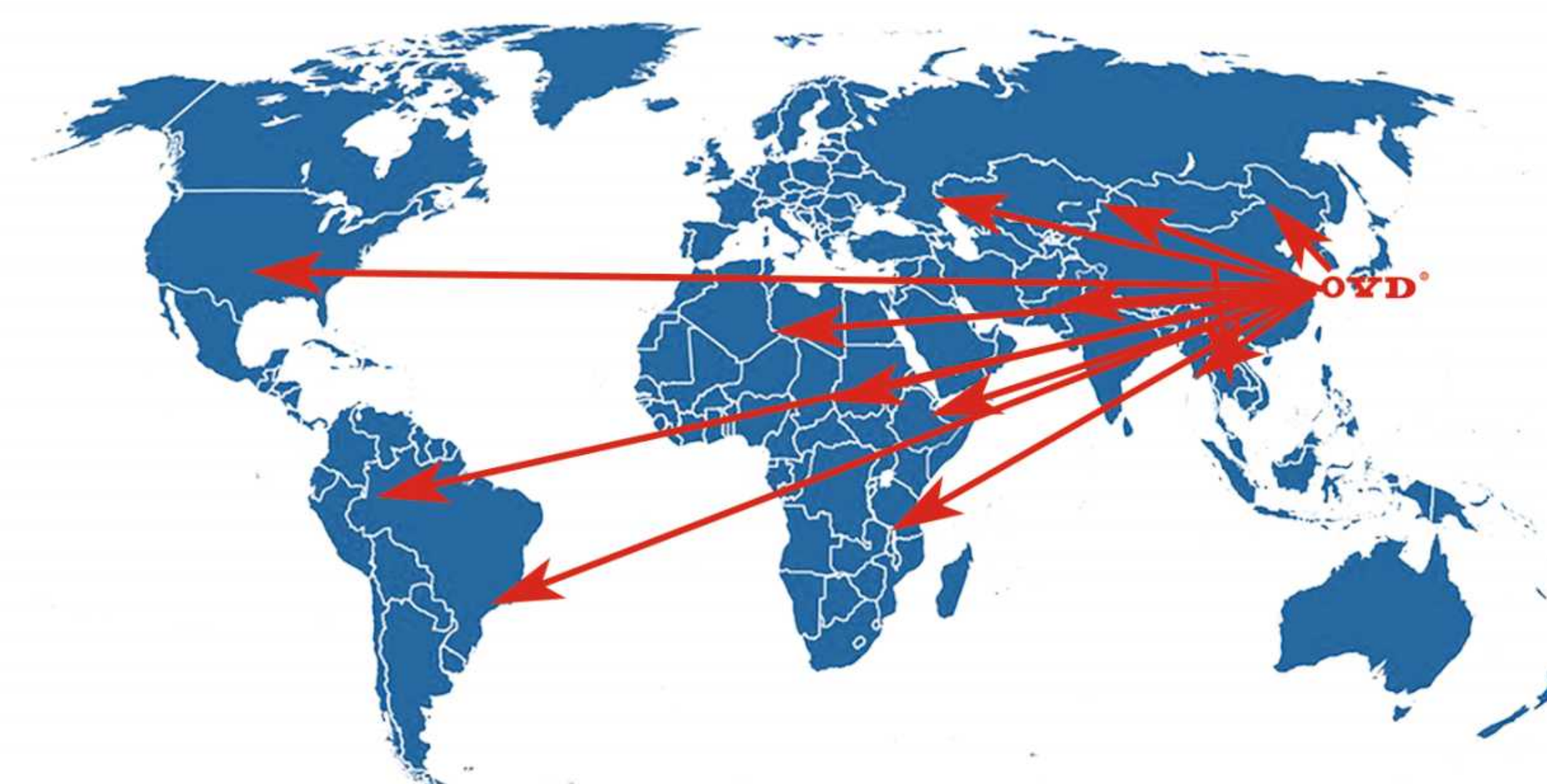


After-sales Support System

售后保障体系

产品出厂经过全流程严苛质检，保障产品精度与使用寿命；售后问题快速响应处置；免费提供轴承选型、安装调试、工况适配技术咨询；常备备品备件，全程跟进设备运行，妥善解决各类轴承配套难题。

All products undergo strict pre-delivery inspection to guarantee precision and service life. We offer rapid after-sales response, free technical consultation for bearing selection, installation and working condition adaptation, stable spare parts supply and continuous follow-up service to resolve various bearing matching challenges.



我们的用户遍布世界

We have users all over the world

欧冶轴承产品已与国内外多家钢厂企业实现配套合作，凭借良好口碑，成为值得信赖的合作伙伴。

OYD Bearing has established supporting cooperation with numerous domestic and foreign steel mills. With solid market reputation, we are your reliable partner.