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LDB[®] SLEWING BEARING



20th

Over 20 years of
manufacturing experience



Export to more than
73 countries



High-tech
enterprise



Advanced
production equipment

致力于成为国际知名的转盘轴承制造商

TO BECOME A WELL-KNOWN INTERNATIONAL MANUFACTURER
OF SLEWING BEARINGS.



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洛阳隆达轴承有限公司 成立于1999年，位于中国轴承生产基地—河南洛阳，注册商标LDB®，是一家专门从事精密转盘轴承（回转支承）及精密回转驱动的设计、研发、制造、销售为一体的企业。公司于2019年通过了德国TUV认证公司的ISO9001:2015质量管理体系认证，从原材料入厂到成品出厂整个生产过程，实施严格的过程控制和质量管理。公司产品广泛应用于精密数控机床、港口机械、矿山机械、医疗设备冶金机械、工程机械、风能发电设备等领域，90%用于出口，目前已出口到全球73个国家和地区，主要出口到欧洲、亚洲、美洲、大洋洲等地区。公司在印度、伊朗、土耳其、俄罗斯、巴西等地拥有代理商。

洛阳隆达轴承有限公司秉承“精心制造、服务全球”的企业愿景，竭诚为用户提供高品质的产品和全方位的服务。公司的发展目标为：致力于成为国际知名的转盘轴承和回转驱动制造商。

Luoyang Longda Bearing Co.,Ltd. was established in 1999 and is located in Luoyang, Henan Province, China, known as the bearing production base. Registered under the trademark LDB®, the company specializes in the design, development, manufacturing, and sales of precision slewing bearings and precision slewing drives. In 2019, the company passed the ISO9001 : 2015 quality management system certification by the German TUV certification company, implementing strict process control and quality control from raw material input to finished product output. The company's products are widely used in various fields such as precision CNC machine tools, port machinery, mining machinery, medical equipment, metallurgical machinery, engineering machinery, and wind power generation equipment. 90% of the products are exported, and they have been exported to 73 countries and regions worldwide, mainly to Europe, Asia, the Americas, and Oceania. The company has agents in India, Iran, Turkey, Russia, Brazil and other countries. Adhering to the corporate vision of "meticulous manufacturing, serving the world," Luoyang Longda Bearing Co., Ltd. is committed to providing customers with high-quality products and comprehensive services.

The company's development goal is to become a well-known international manufacturer of slewing bearings and slewing drives.

20th

Over 20 Years of
Production Experience



Exported to 73 Countries



High and New
Technology Enterprises



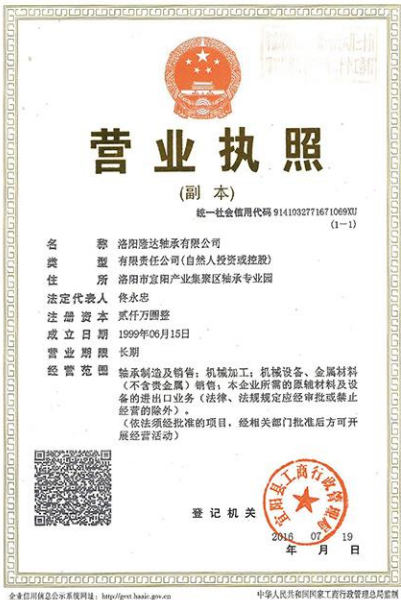
Advanced
Production Equipment



Intimate Service



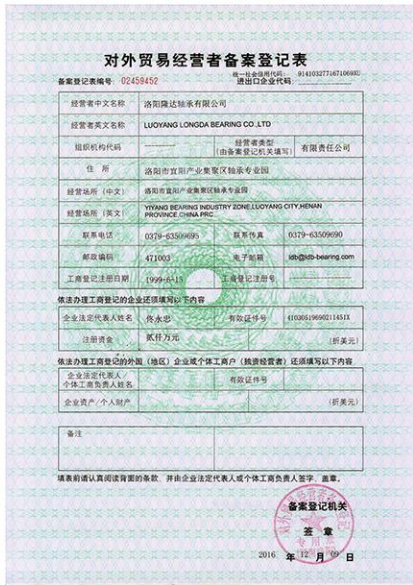
TUV Certification



BUSINESS LICENSE



TRADEMARK



FOREIGN TRADE
REGISTRATION FORM



ISO CERTIFICATE



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HENAN SMALL AND
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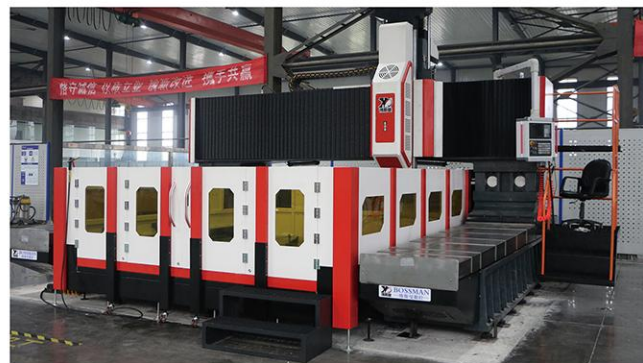
生产设备 PRODUCTION EQUIPMENT



CNC VERTICAL LATHE



CNC MACHINING CENTER



3METER CNC DRILLING AND MILLING MACHINE



GEAR HOBGING MACHINE

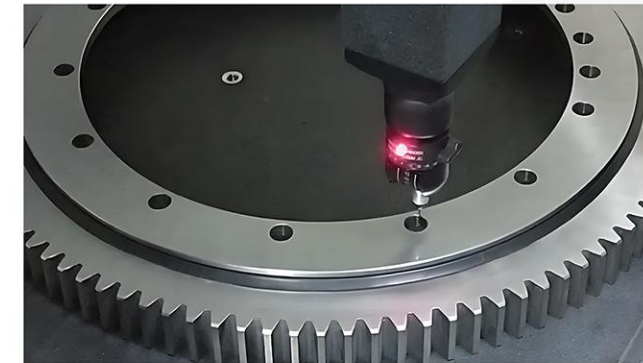


CNC HEAT TREATMENT MACHINE

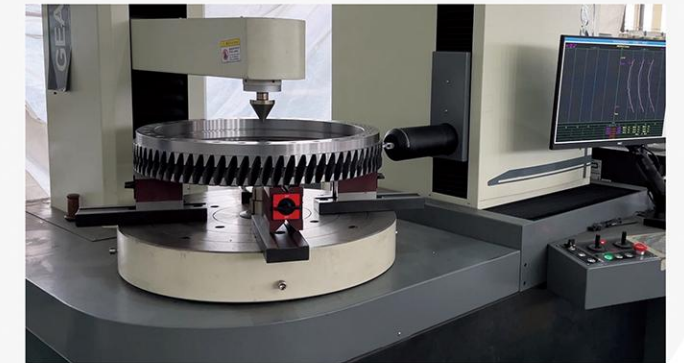


CNC GRINDING MACHINE

检测设备 TEST EQUIPMENT



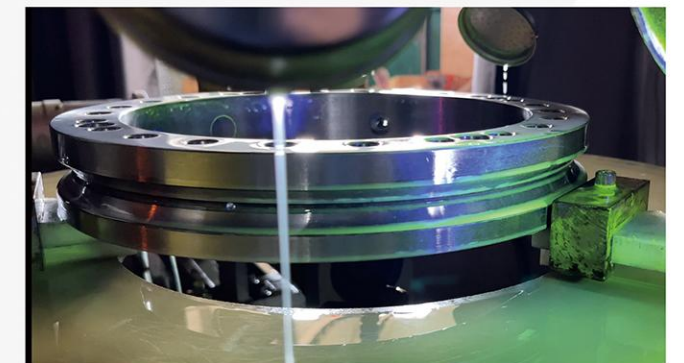
CMM



CNC VERTICAL LATHE



GEAR MESH DETECTOR



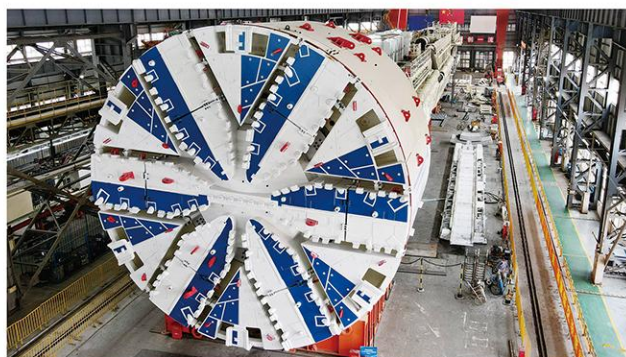
FLUORESCENT MAGNETIC PARTICLE INSPECTION MACHINE



RACEWAY QUENCHING DEPTH DETECTION



ULTRASONIC TESTING



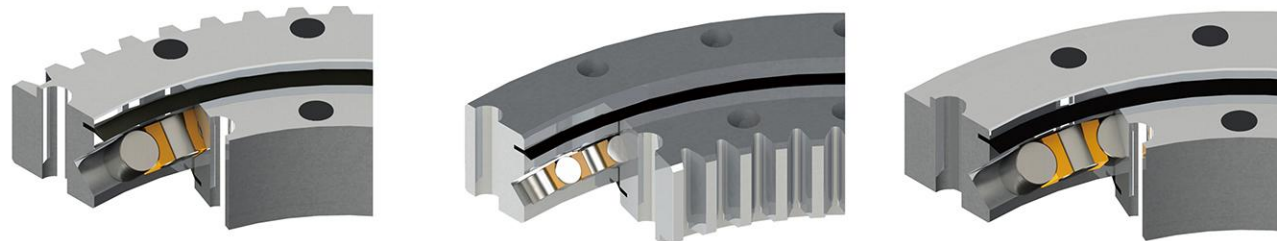
- 工业自动化
Industrial Automation
- 港口起重机
Port Cranes
- 矿山设备
Mining Equipment
- 医疗设备
Medical Equipment
- 水泥机械
Cement Machinery
- 风力发电
Wind Power Generation
- 冶金机械
Metallurgical Machinery
- 航空航天
Aerospace Industry
- 盾构设备
Shield Tunneling Equipment
- 工程机械
Construction Machinery
- 堆取料机设备
Stacker Reclaimer Equipment
- 雷达
Radar

LDB隆达轴承主要产品 Main Products of Longda Bearings

● **四点接触球转盘轴承 Four-Point Contact Ball Slewing Bearings**



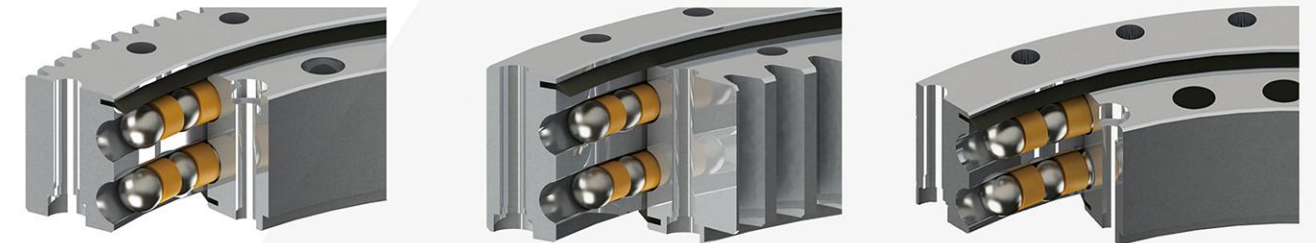
● **交叉滚子转盘轴承 Crossed Roller Slewing Bearings**



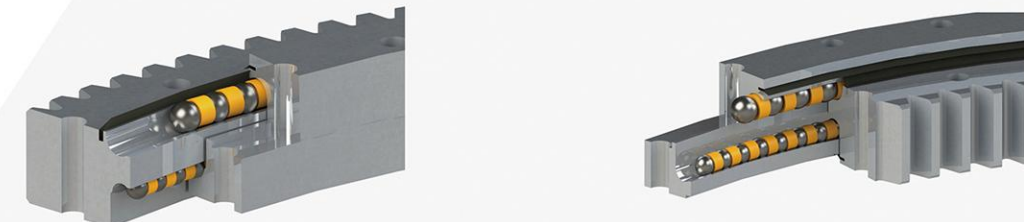
● **法兰式转盘轴承 Flanged Slewing Bearings**



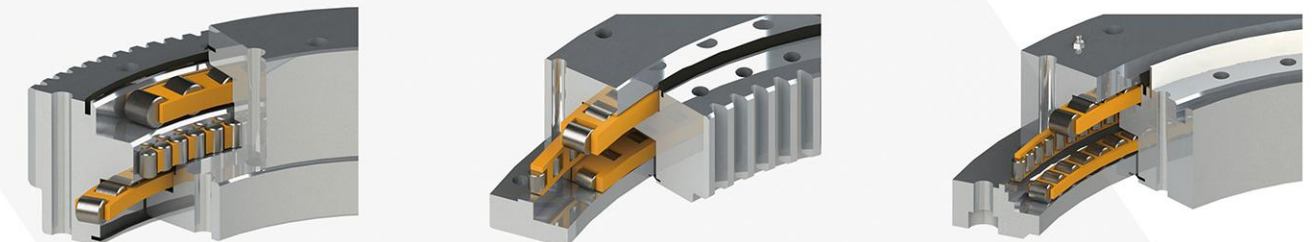
● **双排同径球转盘轴承 Double-Row Same Diameter Ball Slewing Bearings**



● **双排异径球转盘轴承 Double-Row Different Diameter Ball Slewing Bearings**

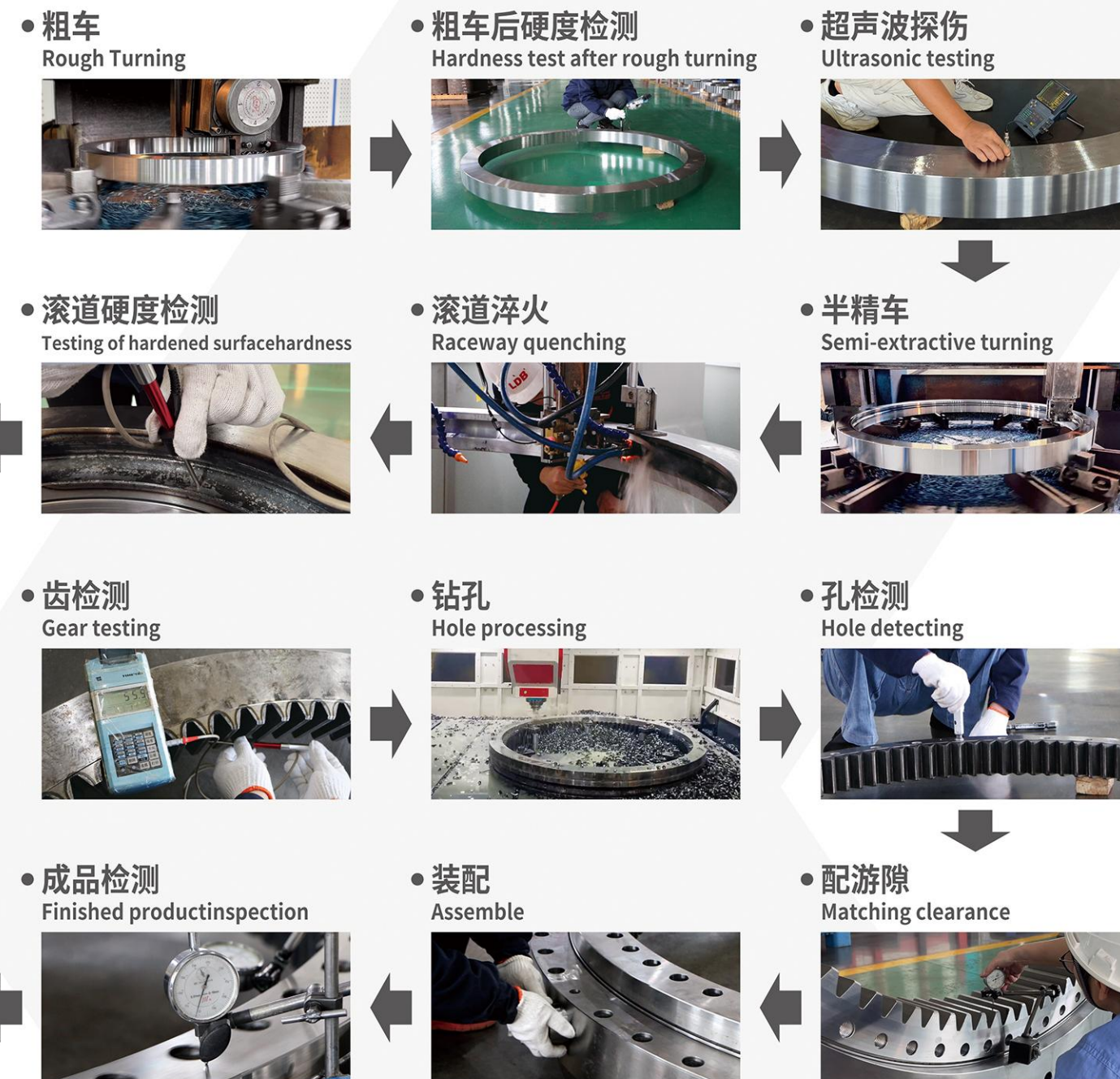
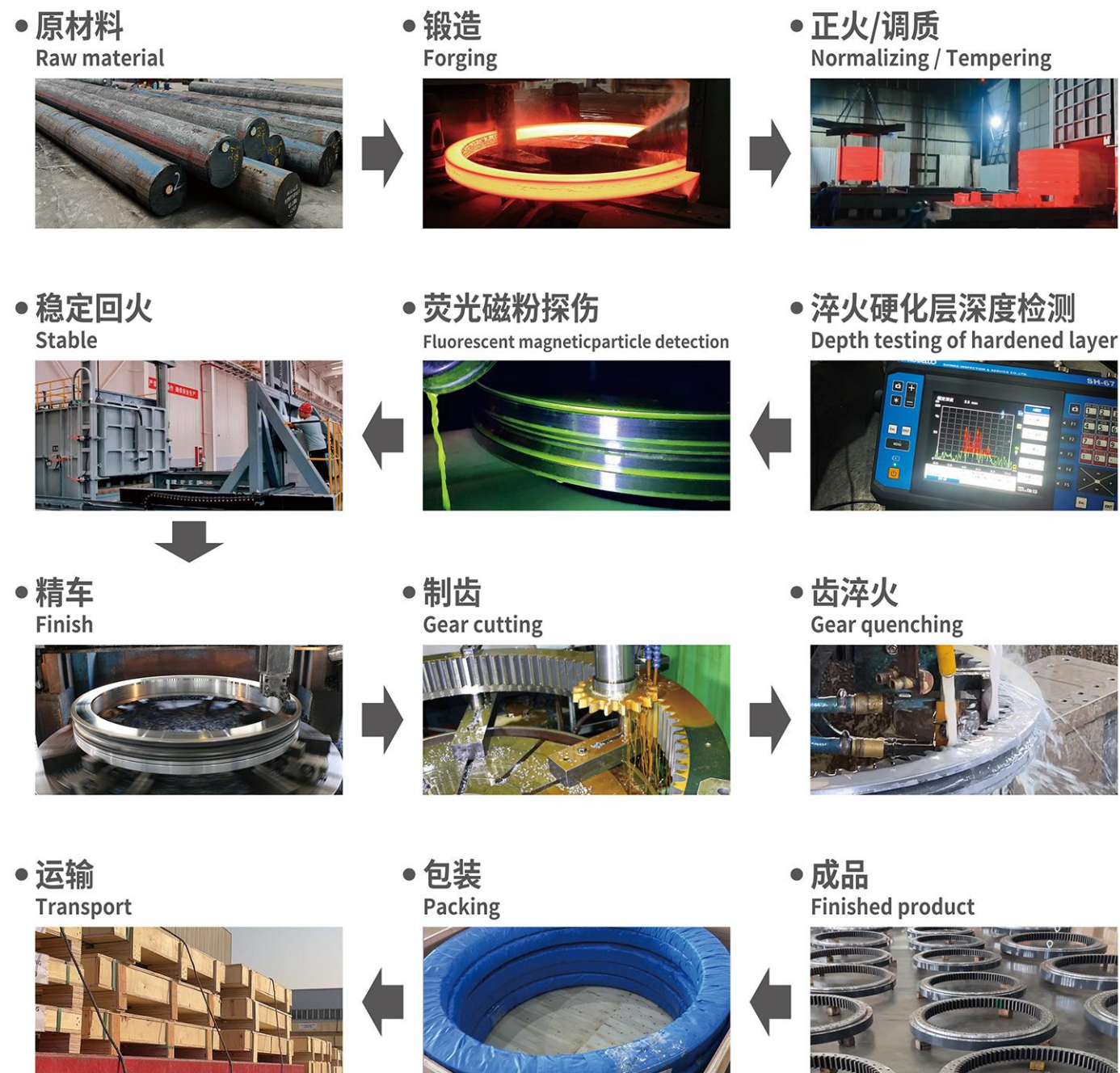


● **三排圆柱滚子组合转盘轴承 Three-Row Combination Cylindrical Roller Slewing Bearings**



• 数十道严格的工序层层把控，打造出符合世界品质的回转支承。

Through dozens of strict processes , we control each step to create slewing bearings that meet global quality standards



计算方法 Calculation Method	按静态工况选型的当量静负荷 Equivalent Static Load for Selection Based on Static Conditions	按动态工况预测寿命的当量动负荷 Equivalent Dynamic Load for Life Prediction Based on Dynamic Conditions
转盘轴承 结构形式 Slewing Bearing Structure Types		
四点接触球转盘轴承 (a=45°) Four-point contact ball slewing bearing (a = 45°)	当Fr≤0.44Fa时 Fa' =(Fa+2.3Fr) · fs 当Fr>0.44Fa时, Fa' 的计算 方法请与LDB有关部门联系 M' =M · fs	当Fr≥0.8Fa时 Fa' =(0.59Fa+1.18Fr) · fl 当Fr<0.8Fa时, Fa' =(Fa+0.66Fr) · fl M' =M · fl
双排角接触球 推力转盘轴承 Double-row angular contact thrust ball slewing bearing	当Fr≤10%Fa时 Fa' =Fa · fs 当Fr>10%Fa时, Fa' 的计算 方法请与LDB有关部门联系 M' =M · fs	当Fr≤10%Fa时 Fa' =Fa · fl 当Fr>10%Fa时, Fa' 的计算 方法请与LDB有关部门联系 M' =M · fl
交叉圆柱滚子 转盘轴承(a=45°) Cross cylindrical roller slewing bearing (a = 45°)	当Fr≤0.44Fa时, Fa' =(Fa+2.3Fr) · fs 当Fr<0.44Fa时, Fa' 的计算 方法请与LDB有关部门联系 M' =M · fs	当Fr' ≥0.67Fa时 Fa' =(0.67Fa+1.5Fr) · n 当Fr<0.67Fa时, Fa' =(Fa+h) · fl M' =M · fl
三排圆柱滚子 组合转盘轴承 Three-row cylindrical roller combination slewing bearing	Fa' =Fa · Fs M' =M · Fs	Fa' =Fa · FI M' =M · FI
	径向负荷Fr由承受径向负荷的一列滚子承受 The radial load Fr is borne by the row of rollers that withstands the radial load.	

式中:
Fa :轴承所受总轴向负荷(KN) Total axial load on the bearing (kN)
Fr :在力矩作用平面轴承所承受的总径向负荷(KN) Total radial load on the bearing in the moment plane (kN)
M :轴承所承受的总倾覆力矩(KN·m) Total overturning moment on the bearing (kN·m)
Fa' :轴承的当量中心轴向负荷(KN) Equivalent central axial load on the bearing (kN)
M' :轴承的当量倾覆力矩(KN·m) Equivalent overturning moment on the bearing (kN·m)
fs :静负荷安全系数 Static load safety factor
fl :预测寿命的负荷系数 Load factor for life prediction

● 轴承负荷系数及轴承使用寿命的选择
Selection of Bearing Load Factor and Bearing Service Life

轴承的静负荷安全系数及预测寿命的负荷系数和推荐的轴承使用寿命, 根据主机的使用情况列于下表
The static load safety factor and load factor for life prediction, along with the recommended bearing service life, are listed in blew Table according to the operating conditions of the main equipment.

使用设备 Equipment Type	静负荷安全系数fs Static Load Safety Factor	寿命负荷系数fl Life Load Factor	全负荷回转时的 使用寿命Lf(回转) Full Load Rotation Service Life Lf (rotations)
船用浮吊、汽车吊、抓斗式甲板吊回转台 (使用时要求连续回转) Marine floating cranes, truck cranes, grab deck cranes (continuous rotation required during use)	1.10	1.0	30000
建筑用塔式 起重机 Construction tower cranes	轴承安装在塔上 Bearings mounted on towers Mf≤0.5M 0.5m<Mf<0.8M Mf≥0.8M 轴承安装在基础上 Bearings mounted on foundations	1.0	30000
		1.15	45000
		1.25	60000
		1.0	30000
		1.15	45000
港口龙门吊、船用起重机 Bearings mounted on foundations		1.5	100000
冶金工厂起重机 Metallurgical factory cranes			
汽车吊(抓斗式的或重载手工操作的) Truck cranes (grab type or heavy manual operation)			
回转式起重机(抓斗式或吸盘式) Rotary cranes (grab type or magnetic)			
轮式起重机(抓斗式或吸盘式) Wheeled cranes (grab type or magnetic)			
桥式起重机(抓斗式或吸盘式) Bridge cranes (grab type or magnetic)			
浮吊(抓斗式或吸盘式) Floating cranes (grab type or magnetic)			
绳索式挖掘机 Rope-operated excavators			
堆取料机 Stackers and reclaimers			
排式货物输送机 Row-type cargo conveyors			
铁路起重机 Railway cranes	1.0		
小型货物运输机 Small cargo transporters	1.1		
拉铲式铲土机 Dragline excavators	1.25		
液压掘进机采用四点接触球转盘轴承 Hydraulic excavators using four-point contact ball slewing bearings	1.25		
采用其它类型的转盘轴承 Using other types of slewing bearings			
斗容量<1.5 m³ Bucket capacity < 1.5 m³		1.45	
斗容量≥1.5 m³ Bucket capacity ≥ 1.5 m³		1.75	
钢包车 Steel ladle cars	1.75		

注:Mf为最小工作幅度时空载倾覆力矩。
Note: Mf represents the overturning moment at minimum working radius under no load.

选型时请与LDB公司有关部门联系
Please contact the relevant department
of LDB Company when selecting the model.

● 转盘轴承使用寿命的预测计算方法 Prediction Calculation Method for Slewing Bearing Service Life

采用转盘轴承的承载曲线预测轴承的使用寿命与轴承寿命负荷系数有关，根据轴承的承载曲线按下列公式可进行预测轴承使用寿命的计算

The prediction of the service life of slewing bearings is based on the bearing load curve, which is related to the bearing life load factor. According to the bearing load curve, the service life can be calculated using the following formulas:

$$Lf = (f_l)^\varepsilon - 30000$$

式中
L_f:转盘轴承全负荷回转式的使用寿命(转)

ε : 寿命指数
球轴承 $\varepsilon = 3$
滚轴承 $\varepsilon = 10/3$

In the formulas :

Lf :Full load rotational service life of the slewing bearing (rotations)

ϵ :Life exponent

For ball bearings $\epsilon = 3$

For roller bearings $\epsilon = 10/3$

$$f_l = F_{ac}/F_{a'} = M_c/M'$$

式中
Fac :原点与负荷点联线在承载曲线上交点的轴向负荷KN

Mc:原点与负荷点联线在承载曲线上交点的倾覆力矩KN-m

In the formulas :

Fac :Axial load (kN) at the intersection point of the line connecting the origin and the load point on the load curve

Mc :Overturning moment (kN•m) at the intersection point of the line connecting the origin and the load point on the load curve

如转盘轴承在数个变动负荷和一定的工作时间比例下工作时，其平均当量中心轴向负荷和平均当量倾覆力矩的计算方法如下：

When a slewing bearing operates under multiple varying loads and a certain proportion of working time, the calculation methods for the average equivalent central axial load and the average equivalent overturning moment are as follows:

$$Fa' = (n_1 \cdot Fa_1^\varepsilon + n_2 \cdot Fa_2^\varepsilon + n_3 \cdot Fa_3^\varepsilon + \dots + n_n Fa_n^\varepsilon)^{1/\varepsilon}$$

$$M' = (n_1 \cdot M_1^\varepsilon + n_2 \cdot M_2^\varepsilon + n_3 \cdot M_3^\varepsilon + \dots + n_n M_n^\varepsilon)^{1/\varepsilon}$$

其中:
In the formulas:

$n_1; n_2; n_3 \dots n_n$: 为工作时间的百分率
 $F_{a1}; F_{a2}; F_{a3} \dots F_{an}$: 为在 $n_1; n_2; n_3 \dots n_n$ 工作时间的百分率内的轴向动负荷 KN
 $M_1; M_2; M_3 \dots M_n$: 为在 $n_1; n_2; n_3 \dots n_n$ 工作时间的百分率内的倾覆力矩 KN-m

$n_1; n_2; n_3 \dots n_n$: Percentage of working time
 $F_{a1}; F_{a2}; F_{a3} \dots F_{an}$: Axial dynamic loads (KN) during the percentages
 $n_1; n_2; n_3 \dots n_n$ of working time

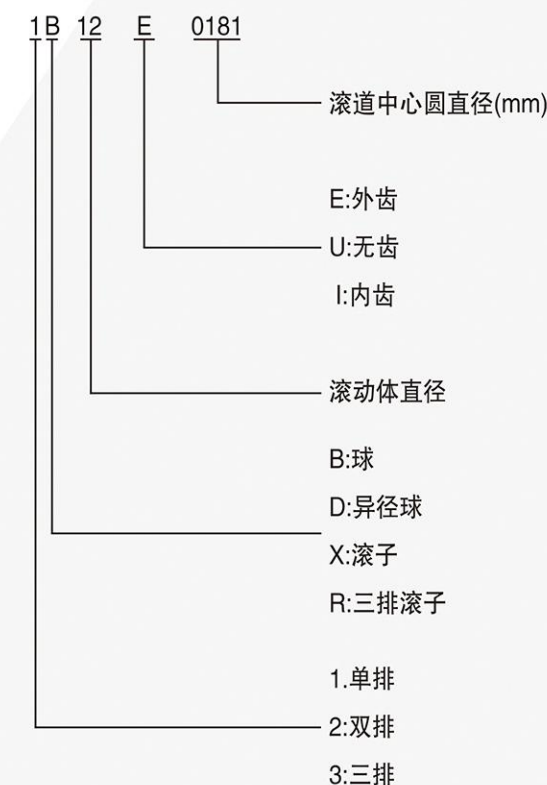
$M_1; M_2; M_3 \dots M_n$: Overturning moments (KN-m) during the percentages $n_1; n_2; n_3 \dots n_n$ of working time

● 回转支承类型和系列

1、产品类别: 0-球类回转支承	Ball slewing bearing	1-滚柱类回转支承	Roller slewing bearing
2、滚道结构型式: 1-单排交叉滚柱式、单排四点接触球式		Raceway structure type: 1 - Single-row crossed roller type, single-row four-point contact ball type	
2-双排异径球式		Double-row different-diameter ball type	
3-三排滚柱式		Three-row roller type	
3、传动方式: 0-无齿式		Transmission method: 0-Toothless type	
1-渐开线圆柱齿轮外啮合小模数		Involute cylindrical gear with small module external meshing	
2-渐开线圆柱齿轮外啮合大模数		Involute cylindrical gear with large module external meshing	
3-渐开线圆柱齿轮内啮合小模数		Involute cylindrical gear with small module internal meshing	
4-渐开线圆柱齿轮内合大模数		Involute cylindrical gear with large module internal meshing	
4、滚动体(钢球或滚子)直径		Rolling element (steel ball or roller) diameter	
5、滚道中心圆直径		Raceway center circle diameter	

● 基本型号规格举例

回转支承编号方法



Example of basic model specifications

Slewing bearing numbering method

Raceway center diameter

External tooth

Toothless

Internal tooth

Rolling element diameter

Ball

Different diameter ball

Roller

Three-row roller

Singer row

Double row

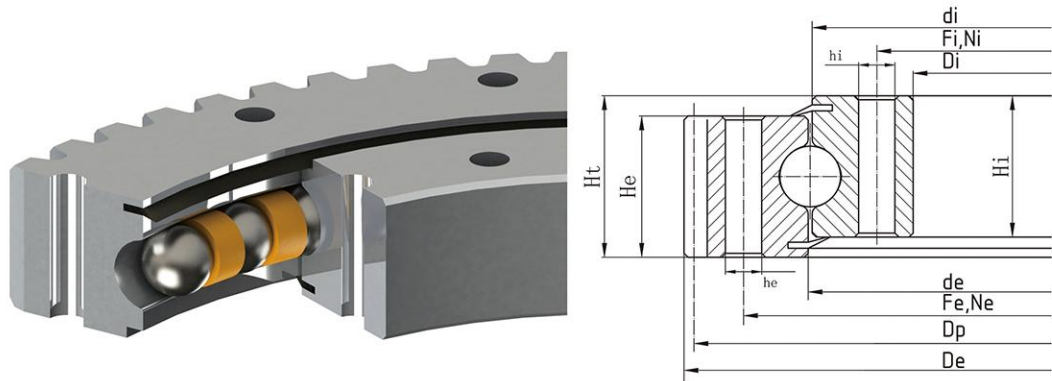
Three row

B系列钢球直径 B series steel ball diameter	20	25	32	40	50	60
X系列圆柱滚子直径 X series round roller diameter	14	18	22	28	36	45

四点接触球转盘轴承参数表 FOUR-POINT CONTACT BALL

SLEWING BEARINGS PARAMETER TABLE LDB® SLEWING BEARING

外齿型 External gear

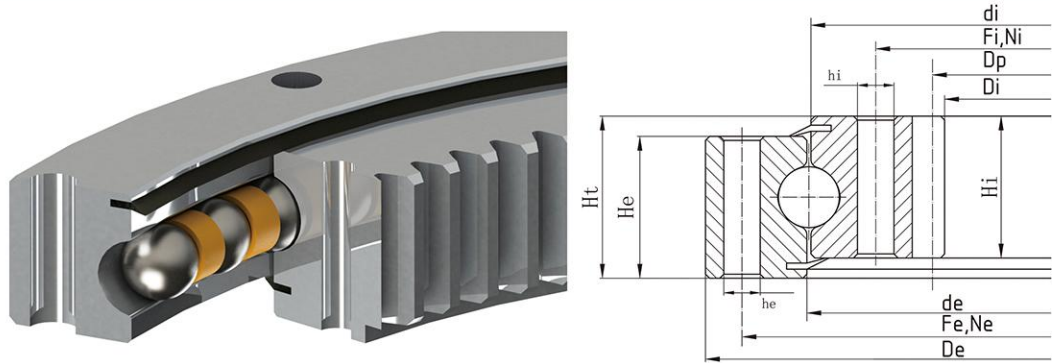


产品特点：四点接触球转盘轴承主要由内圈、外圈、单排钢球、保持架(或隔离块)、密封装置等零件组合而成。四点接触球转盘轴承内圈、外圈有整体式和分体式结构。整体式套圈的钢性相对较强，分体式调整方便，分体式结构在产品出厂之前已利用螺栓将两个分体圈联接在一起。四点接触球转盘轴承一般而言有保持架(或隔离块)，仅有在载荷比较大时选用满装球式结构，满装球式四点接触球轴承承载力大，但摩阻力大，摩擦还易于造成钢球表面层产生刮痕。四点接触球转盘轴承/回转支承基本结构:有无齿式，外齿式和内齿式，具有比较高的静载荷容量。

Product Characteristics:Four-point contact ball turntable bearings are mainly composed of inner and outer rings,single-row steel balls, retainers (or isolators), sealing devices, etc. The inner and outer rings of four-point contact ball turntable bearings have integral and split structures. The integral ring has relatively strong rigidity, while the split structure is convenient for adjustment. The split structure has already been connected by bolts before leaving the factory. Generally, four-point contact ball turntable bearings have retainers (or isolators). The full-ball structure is only selected when the load is relatively large. Full-ball four-point contact ball bearings have a large load capacity but also large frictional resistance, which may cause scratches on the surface of the steel balls. The basic structure of four-point contact ball turntable bearings/slewing bearings includes toothless, external gear, and internal gear types, with relatively high static load capacity.

Code	Dimensions外形尺寸							Fixing Holes固定孔			Fixing Holes固定孔				Gear data齿参数				Load载荷		Weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne		he	Fi	Ni	hi	m	Z	xm	Dp	fz norm	fz max	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[–]			[mm]	[–]		[mm]	[–]	[mm]	[mm]	[kN]	[kN]	[kg]
1B12-E-0181	244	182	180	125	25	25	25	214	24		11	144.5	20	11	2	120		240			
1B17-E-0235	318	236	234	169	37	34	45	275	20		13.5	195	20	M12	3	104		312			
1B20-E-0289	379	290	288	210	40	40	45	335	24		13.5	240	24	13.5	4	92		372			
1B20-E-0314	404	315.5	312.5	242	45.5	45.5	56	355	20		M12	268	20	14	5	79		395	15	30	23
1B20-E-0414	504	415.5	412.5	342	45.5	45.5	56	455	20		M12	368	24	14	5	99		495	15	30	32
1B20-E-0544	640.8	545.5	542.5	472	45.5	45.5	56	585	28		M12	498	32	14	6	105		630	18	36	43
1B20-E-0644	742.8	645.5	642.5	572	45.5	45.5	56	685	32		M12	598	36	14	6	122		732	18	36	52
1B20-E-0744	838.8	745.5	742.5	672	45.5	45.5	56	785	36		M12	698	40	14	6	138		828	18	36	58
1B20-E-0844	950.4	845.5	842.5	772	45.5	45.5	56	885	36		M12	798	40	14	8	117		936	24	48	71
1B20-E-0944	1046.4	945.5	942.5	872	45.5	45.5	56	985	40		M12	898	44	14	8	129		1032	24	48	77
1B20-E-1094	1198.4	1095.5	1092.5	1022	45.5	45.5	56	1135	44		M12	1048	48	14	8	148		1184	24	48	90
1B25-E-0455	590.4	454	456	355	71	54	80	516	18		M20	395	18	22	8	72		576	38.6	77.2	74
1B25-E-0555	694.4	554	556	455	71	54	80	616	20		M20	495	20	22	8	85		680	38.6	77.2	93
1B25-E-0655	798.4	654	656	555	71	54	80	716	24		M20	595	24	22	8	98		784	38.6	77.2	111
1B25-E-0755	898	754	756	655	71	54	80	816	24		M20	695	24	22	9	98		882	43.4	86.8	125
1B25-E-0855	997	854	856	755	71	54	80	916	28		M20	795	28	22	9	109		981	43.4	86.8	145
1B25-E-0955	1096	954	956	855	71	54	80	1016	30		M20	895	30	22	9	120		1080	43.4	86.8	155
1B25-E-1055	1198	1054	1056	955	71	54	80	1116	30		M20	995	30	22	10	118		1180	48.3	96.6	171
1B25-E-1155	1298	1154	1156	1055	71	54	80	1216	36		M20	1095	36	22	10	128		1280	48.3	96.6	186
1B25-E-1255	1398	1254	1256	1155	71	54	80	1316	42		M20	1195	42	22	10	138		1380	48.3	96.6	201
1B25-E-1355	1498	1354	1356	1255	71	54	80	1416	42		M20	1295	42	22	10	148		1480	48.3	96.6	218
1B25-E-1455	1598	1454	1456	1355	71	54	80	1516	48		M20	1395	48	22	10	158		1580	48.3	96.6	233
1B25-E-1204	1338	1207.5	1200.5	1119	58	58	68	1257	45		16	1151	45	16	10	131	5	1310	46.4	92.8	154
1B25-E-1314	1448	1317.5	1310.5	1229	58	58	68	1367	50		16	1261	50	16	10	142	5	1420	46.4	92.8	166
1B25-E-1424	1558	1427.5	1420.5	1339	58	58	68	1477	54		16	1371	54	16	10	153	5	1530	46.4	92.8	180
1B25-E-1534	1668	1537.5	1530.5	1449	58	58	68	1587	60		16	1481	60	16	10	164	5	1640	46.4	92.8	193
1B25-E-1644	1791	1647.5	1640.5	1536	58	58	68	1708	54		22	1580	54	22	10	176	6.5	1760	46.4	92.8	237
1B25-E-1754	1901	1757.5	1750.5	1646	58	58	68	1818	60		22	1690	60	22	10	187	6.5	1870	46.4	92.8	257
1B25-E-1904	2073	1907.5	1900.5	1796	58	58	68	1968	64		22	1840	64	22	14	145	6.5	2030	65	130	300
1B50-E-1900	2139.2	1898	1902	1729	100	99	109	2005	36		33	1795	36	33	14	150	7	2100	128.5	257	820
1B50-E-2130	2380.8	2128	2132	1959	100	99	109	2235	48		33	2025	48	33	16	146	8	2336	146.8	293.6	931
1B50-E-2355	2604.8	2353	2357	2184	100	99	109	2460	54		33	2250	54	33	16	160	8	2560	146.8	293.6	1024
1B50-E-2645	2892.8	2643	2647	2474	100	99	109	2750	60		33	2540	60	33	16	178	8	2848	146.8	293.6	1142

● 内齿型 Internal gear

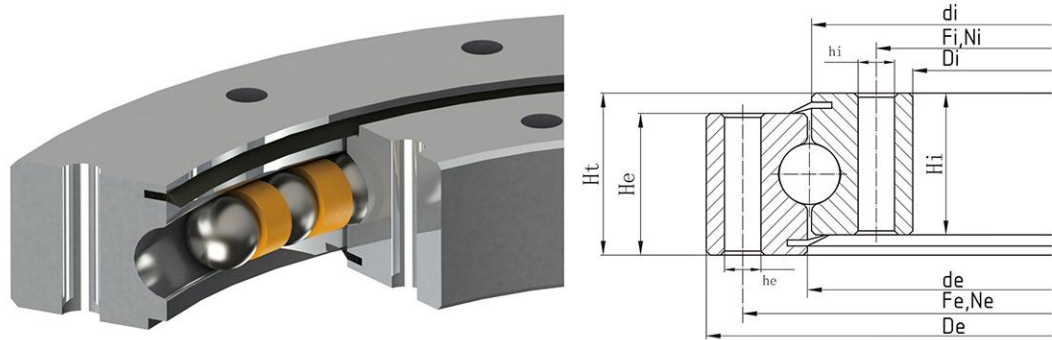


产品特点：四点接触球转盘轴承主要由内圈、外圈、单排钢球、保持架(或隔离块)、密封装置等零件组合而成。四点接触球转盘轴承内圈、外圈有整体式和分体式结构。整体式套圈的钢性相对较强，分体式调整方便，分体式结构在产品出厂之前已利用螺栓将两个分体圈联接在一起。四点接触球转盘轴承一般而言有保持架(或隔离块)，仅有在载荷比较大时选用满装球式结构，满装球式四点接触球轴承承载力大，但摩阻力大，摩擦还易于造成钢球表面层产生刮痕。四点接触球转盘轴承/回转支承基本结构:有无齿式，外齿式和内齿式，具有比较高的静载荷容量。

Product Characteristics:Four-point contact ball turntable bearings are mainly composed of inner and outer rings,single-row steel balls, retainers (or isolators), sealing devices, etc. The inner and outer rings of four-point contact ball turntable bearings have integral and split structures. The integral ring has relatively strong rigidity, while the split structure is convenient for adjustment. The split structure has already been connected by bolts before leaving the factory. Generally, four-point contact ball turntable bearings have retainers (or isolators). The full-ball structure is only selected when the load is relatively large. Full-ball four-point contact ball bearings have a large load capacity but also large frictional resistance, which may cause scratches on the surface of the steel balls. The basic structure of four-point contact ball turntable bearings/slewing bearings includes toothless, external gear, and internal gear types, with relatively high static load capacity.

Code	Dimensions外形尺寸							Fixing Holes固定孔		Fixing Holes固定孔				Gear data齿参数				Load载荷		Weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne	he	Fi	Ni	hi	m	Z	xm	Dp	fz norm	fz max	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]		[mm]	[-]		[mm]	[-]	[mm]	[mm]	[kN]	[kN]	[kg]
1B15-I-0245	300	246	244	174.5	32	32	40	280	20	11	210	20	11	3	60		180			
1B20-I-0307	385	309.5	306.5	217	45	45	55	358	24	13.5	259	24	13.5	4	56		224			
1B20-I-0314	386	315.5	312.5	225	45.5	45.5	56	360	24	14	275	24	M12	5	47		235	15.6	31	22
1B20-I-0414	486	415.5	412.5	325	45.5	45.5	56	460	24	14	375	24	M12	5	67		335	15.6	31	31
1B20-I-0544	616	545.5	542.5	444	45.5	45.5	56	590	32	14	505	32	M12	6	76		456	18.7	37.4	43
1B20-I-0644	716	645.5	642.5	546	45.5	45.5	56	690	36	14	605	36	M12	6	93		558	18.7	37.4	50
1B20-I-0744	816	745.5	742.5	648	45.5	45.5	56	790	40	14	705	40	M12	6	110		660	18.7	37.4	57
1B20-I-0844	916	845.5	842.5	736	45.5	45.5	56	890	40	14	805	40	M12	8	94		752	25	50	69
1B20-I-0944	1016	945.5	942.5	840	45.5	45.5	56	990	44	14	905	44	M12	8	107		856	25	50	75
1B20-I-1094	1166	1095.5	1092.5	984	45.5	45.5	56	1140	48	14	1055	48	M12	8	125		1000	25	50	91
1B25-I-0455	555	454	456	304	54	71	80	515	18	22	394	18	M20	8	40		320	40.2	80.4	64
1B25-I-0555	655	554	556	416	54	71	80	615	20	22	494	20	M20	8	54		432	40.2	80.4	76
1B25-I-0655	755	654	656	512	54	71	80	715	24	22	594	24	M20	8	66		528	40.2	80.4	102
1B25-I-0755	855	754	756	610	54	71	80	815	24	22	694	24	M20	10	63		630	50.3	100.6	119
1B25-I-0855	955	854	856	710	54	71	80	915	28	22	794	28	M20	10	73		730	50.3	100.6	137
1B25-I-0955	1055	954	956	810	54	71	80	1015	30	22	894	30	M20	10	83		830	50.3	100.6	149
1B25-I-1055	1155	1054	1056	910	54	71	80	1115	30	22	994	30	M20	10	93		930	50.3	100.6	165
1B25-I-1155	1255	1154	1156	1010	54	71	80	1215	36	22	1094	36	M20	10	103		1030	50.3	100.6	180
1B25-I-1255	1355	1254	1256	1110	54	71	80	1315	42	22	1194	42	M20	10	113		1130	50.3	100.6	195
1B25-I-1355	1455	1354	1356	1210	54	71	80	1415	42	22	1294	42	M20	10	123		1230	50.3	100.6	212
1B25-I-1455	1555	1454	1456	1310	54	71	80	1515	48	22	1394	48	M20	10	133		1330	50.3	100.6	227
1B25-I-1204	1289	1207.5	1200.5	1072	58	58	68	1257	45	16	1151	45	16	10	108	-5	1080	48.3	96.6	145
1B25-I-1314	1399	1317.5	1310.5	1182	58	58	68	1367	50	16	1261	50	16	10	119	-5	1190	48.3	96.6	159
1B25-I-1424	1509	1427.5	1420.5	1292	58	58	68	1477	54	16	1371	54	16	10	130	-5	1300	48.3	96.6	172
1B25-I-1534	1619	1537.5	1530.5	1402	58	58	68	1587	60	16	1481	60	16	10	141	-5	1410	48.3	96.6	186
1B25-I-1644	1752	1647.5	1640.5	1495	58	58	68	1708	54	22	1580	54	22	10	150	-6.5	1500	48.3	96.6	236
1B25-I-1754	1862	1757.5	1750.5	1605	58	58	68	1818	60	22	1690	60	22	10	161	-6.5	1610	48.3	96.6	252
1B25-I-1904	2012	1907.5	1900.5	1729	58	58	68	1968	64	22	1840	64	22	14	124	-6.5	1736	67.6	135.2	299
1B50-I-1800	1971	1798	1802	1554	99	100	109	1905	36	33	1695	36	33	14	112	-7	1568	128.5	257	762
1B50-I-2000	2171	1998	2002	1764	99	100	109	2105	40	33	1895	40	33	14	127	-7	1778	128.5	257	843
1B50-I-2240	2411	2238	2242	1984	99	100	109	2345	48	33	2135	48	33	16	125	-8	2000	146.8	293.6	961
1B50-I-2490	2661	2488	2492	2240	99	100	109	2595	54	33	2385	54	33	16	141	-8	2256	146.8	293.6	1053
1B50-I-2800	2971	2798	2802	2544	99	100	109	2905	60	33	2695	60	33	16	160	-8	2560	146.8	293.6	1205

无齿型 Toothless

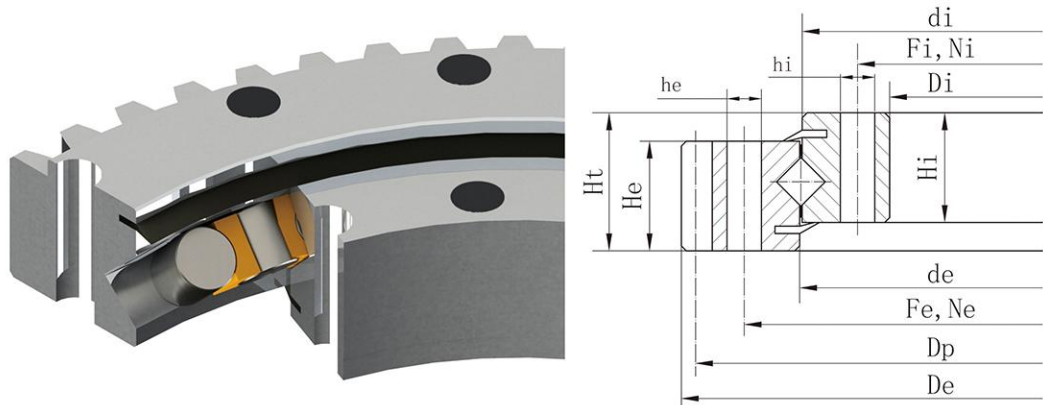


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Code	Dimensions外形尺寸							Fixing Holes固定孔						Weight重量	
	De	de	di	Di	He	Hi	Ht	Fe	Ne	he	Fi	Ni	hi		
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]	[mm]	[mm]	[-]	[mm]	[kg]	
1B12-U-0181	234	182	180	125	25	25	25	214	24	11	144.5	20	11	5	
1B19-U-0217	290	218	216	150	41.5	40	41.5	265	16	14	175	16	M12	14	
1B20-U-0260	329	261	259	190	44	44	45	305	16	14	215	16	14	17	
1B20-U-0314	386	315.5	312.5	242	45.5	45.5	56	360	20	14	268	20	14	21	
1B20-U-0414	486	415.5	412.5	342	45.5	45.5	56	460	24	14	368	24	14	29	
1B20-U-0544	616	545.5	542.5	472	45.5	45.5	56	590	32	14	498	32	14	37	
1B20-U-0644	716	645.5	642.5	572	45.5	45.5	56	690	36	14	598	36	14	44	
1B20-U-0744	816	745.5	742.5	672	45.5	45.5	56	790	40	14	698	40	14	52	
1B20-U-0844	916	845.5	842.5	772	45.5	45.5	56	890	40	14	798	40	14	59	
1B20-U-0944	1016	945.5	942.5	872	45.5	45.5	56	990	44	14	898	44	14	66	
1B20-U-1094	1166	1095.5	1092.5	1022	45.5	45.5	56	1140	48	14	1048	48	14	77	
1B25-U-0455	555	454	456	355	54	54	63	515	18	22	395	18	22	53	
1B25-U-0555	655	554	556	455	54	54	63	615	20	22	495	20	22	65	
1B25-U-0655	755	654	656	555	54	54	63	715	24	22	595	24	22	76	
1B25-U-0755	855	754	756	655	54	54	63	815	24	22	695	24	22	90	
1B25-U-0855	955	854	856	755	54	54	63	915	28	22	795	28	22	101	
1B25-U-0955	1055	954	956	855	54	54	63	1015	30	22	895	30	22	115	
1B25-U-1055	1155	1054	1056	955	54	54	63	1115	30	22	995	30	22	128	
1B25-U-1155	1255	1154	1156	1055	54	54	63	1215	36	22	1095	36	22	139	
1B25-U-1255	1355	1254	1256	1155	54	54	63	1315	42	22	1195	42	22	150	
1B25-U-1355	1455	1354	1356	1255	54	54	63	1415	42	22	1295	42	22	163	
1B25-U-1455	1555	1454	1456	1355	54	54	63	1515	48	22	1395	48	22	174	
1B25-U-1204	1289	1206	1202	1119	58	58	68	1257	45	16	1151	45	16	121	
1B25-U-1314	1399	1316	1312	1229	58	58	68	1367	50	16	1261	50	16	132	
1B25-U-1424	1509	1426	1422	1339	58	58	68	1477	54	16	1371	54	16	143	
1B25-U-1534	1619	1536	1532	1449	58	58	68	1587	60	16	1481	60	16	154	
1B25-U-1644	1752	1646	1642	1536	58	58	68	1708	54	22	1580	54	22	209	
1B25-U-1754	1862	1756	1752	1646	58	58	68	1818	60	22	1690	60	22	222	
1B25-U-1904	2012	1906	1902	1796	58	58	68	1968	64	22	1840	64	22	241	

● 外齿型
External gear

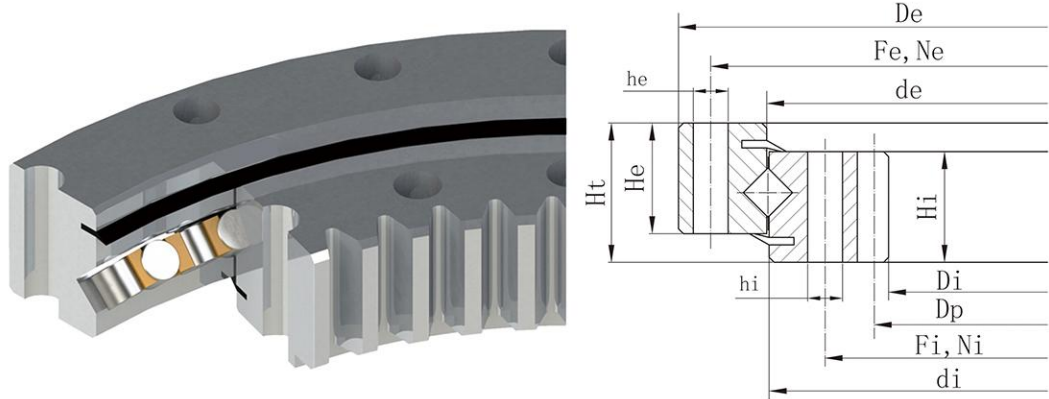


产品特点：单排交叉滚柱式转盘轴承回转支承，由两个套圈组成，结构紧凑、重量轻、制造精度高，装配间隙小，对安装精度要求高。被广泛地用于起重运输，工程机械和军工产品上。交叉滚子转盘轴承预过盈具有较高的回转精度、支承刚性和承受较高动负荷的能力。

Product Characteristics: Single-row crossed roller turntable bearings consist of two rings. They have a compact structure, light weight, high manufacturing accuracy, small assembly clearance, and high requirements for installation accuracy. They are widely used in lifting and transportation, construction machinery, and military products. Crossed roller turntable bearings with pre-interference have high rotation accuracy, bearing rigidity, and ability to withstand high dynamic loads.

Code	Dimensions外形尺寸							Fixing Holes孔参数			Fixing Holes孔参数			Gear data齿参数				载荷		weight重量	
	De	de	di	Di	He	Hi	Ht	Fe	Ne	he		Fi	Ni	hi	m	Z	xm	Dp	fz norm	fz max	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]			[mm]			[mm]	[-]	[mm]	[mm]	[kN]	[kN]	[kg]
1X14-E-0414	503.3	417	413	342	44.5	44.5	56	455	20	M12		368	24	14	5	99		495	15.13	30.26	32
1X14-E-0544	640.3	547	543	472	44.5	44.5	56	585	28	M12		498	32	14	6	105		630	18.16	36.31	43
1X14-E-0644	742.3	647	643	572	44.5	44.5	56	685	32	M12		598	36	14	6	122		732	18.16	36.31	52
1X14-E-0744	838.1	747	743	672	44.5	44.5	56	785	36	M12		698	40	14	6	138		828	18.16	36.31	58
1X14-E-0844	950.1	847	843	772	44.5	44.5	56	885	36	M12		798	40	14	8	117		936	24.21	48.42	71
1X14-E-0944	1046.1	947	943	872	44.5	44.5	56	985	40	M12		898	44	14	8	129		1032	24.21	48.42	77
1X14-E-1044	1198.1	1097	1093	1022	44.5	44.5	56	1135	44	M12		1048	48	14	8	148		1184	24.21	48.42	90
1X16-E-1204	1338	1206	1202	1119	58	58	68	1257	45	16		1151	45	16	10	131		1310	46.4	92.8	154
1X16-E-1314	1448	1316	1312	1229	58	58	68	1367	50	16		1261	50	16	10	142		1420	46.4	92.8	168
1X16-E-1424	1558	1426	1422	1339	58	58	68	1477	54	16		1371	54	16	10	153		1530	46.4	92.8	182
1X16-E-1534	1668	1536	1532	1449	58	58	68	1587	60	16		1481	60	16	10	164		1640	46.4	92.8	195
1X16-E-1644	1791	1646	1642	1536	58	58	68	1708	54	22		1580	54	22	10	176		1760	46.4	92.8	242
1X16-E-1754	1901	1756	1752	1646	58	58	68	1818	60	22		1690	60	22	10	187		1870	46.4	92.8	258
1X20-E-1904	2073.4	1906	1902	1796	58	58	68	1968	64	22		1840	64	22	14	145		2030	64.96	129.92	306
1X20-E-0307	403.5	308	306	234	47	45	55	358	24	13		259	28-1	13	4.5	88		-	396	15.12	24
1X25-E-0400	535	401.5	398.5	305	63	63	75	466	18	20		336	18	20	8	65		-	520	35.2	61
1X25-E-0475	589	476.5	473.5	383	63	63	75	540	18	20		410	18	20	5	116		-	580	22	63
1X30-E-0508	654	509.5	506.5	391	73	73	85	582	30	22		432	30-1	22	8	80		-	640	38.44	97
1X25-E-0574	700	575.5	572.5	479	64	64	77	640	36	18		508	36-1	18	6	114		3	690	34.78	82
1X25-E-0675	816	676.5	673.5	573	73	70	90	753	18	22		604	18	22	6	132		6552	805.1	37.68	124
1X25-E-0734	886	735.5	732.5	614	75	70	85	810	30	22		658	30	22	8	108		4	872	57.97	155
1X30-E-0823	979	824.5	821.5	717	79	82	100	893	36	22		753	36-1	22	10	94		11	962	62.8	178
1X30-E-0980	1144	981.5	978.5	869	79	84	100	1050	36	22		910	36	22	10	111		8	1126	64.73	228
1X36-E-1116	1289.5	1118	1114	984	90	94	114	1198	40	22		1035	40	22	10	125		10.5	1271	75.4	335
1X36-E-1250	1476	1252	1248	1079	91	100	110	1350	40	26		1150	40	26	10	144		8.6	1457.2	75.4	505
1X45-E-1390	1604	1392	1388	1204	112	116	130	1500	48	30		1280	48	30	10	157		7.5	1585	87	620
1X45-E-1595	1836	1597	1593	1436	120	115	135	1700	45	30		1485	45	30	16	112		8	1808	185.5	791
1X45-E-1790	2027	1792	1788	1616	130	128	150	1905	48	30		1675	48	30	14	142		7	2002	175.8	1004
1X50-E-2002	2267	2004	2000	1821	129	119	140	2124	72	30		1880	72	30	16	139		8	2240	199.4	1174
1X50-E-2242	2534	2244	2240	2048	132	122	144	2373	60	33		2112	60	33	18	138		9	2502	229.6	1482
1X50-E-2500	2790	2502	2498	2296	148	142	164	2640	72	33		2360	72	33	18	151		19.8	2757.6	257.4	1895
1X50-E-2810	3116	2812	2808	2606	148	142	164	2950	80	33		2670	80	33	20	152		20	3080	286	2200

● 内齿型
Internal gear

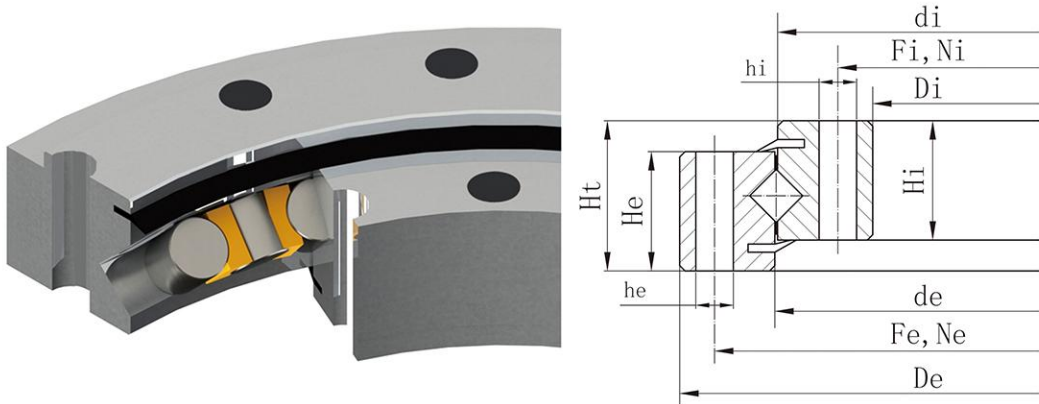


产品特点：单排交叉滚柱式转盘轴承回转支承，由两个套圈组成，结构紧凑、重量轻、制造精度高，装配间隙小，对安装精度要求高。被广泛地用于起重运输，工程机械和军工产品上。交叉滚子转盘轴承预过盈具有较高的回转精度、支承刚性和承受较高动负荷的能力。

Product Characteristics: Single-row crossed roller turntable bearings consist of two rings. They have a compact structure, light weight, high manufacturing accuracy, small assembly clearance, and high requirements for installation accuracy. They are widely used in lifting and transportation, construction machinery, and military products. Crossed roller turntable bearings with pre-interference have high rotation accuracy, bearing rigidity, and ability to withstand high dynamic loads.

Code	Dimensions外形尺寸							Fixing Holes孔参数			Fixing Holes孔参数			Gear data齿参数			Preload载荷		weight重量	
	De	de	di	Di	He	Hi	Ht	Fe	Ne	he	Fi	Ni	hi	m	Z	xm	Dp	fz norm	fz max	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]	[mm]	[mm]	[-]	[mm]	[mm]	[-]		[mm]	[kN]	[kN]	[kg]
1X14-I-0414	484	415	411	325	44.5	44.5	56	460	24	14	375	24	M12	5	67		335	17.7	26.2	31
1X14-I-0544	614	545	541	444	44.5	44.5	56	590	32	14	505	32	M12	6	76		456	23.7	35	43
1X14-I-0644	714	645	641	546	44.5	44.5	56	690	36	14	605	36	M12	6	93		558	23.7	35	50
1X14-I-0744	814	745	741	648	44.5	44.5	56	790	40	14	705	40	M12	6	110		660	23.7	35	58
1X14-I-0844	914	845	841	736	44.5	44.5	56	890	40	14	805	40	M12	8	94		752	31.4	46.7	69
1X14-I-0944	1014	945	941	840	44.5	44.5	56	990	44	14	905	44	M12	8	107		856	31.4	46.7	76
1X14-I-1094	1164	1095	1091	984	44.5	44.5	56	1140	48	14	1055	48	M12	8	125		1000	31.4	46.7	91
1X16-I-1204	1289	1206	1202	1072	58	58	68	1257	45	16	1151	45	16	10	108		1080	48.33	96.67	148
1X16-I-1314	1399	1316	1312	1182	58	58	68	1367	50	16	1261	50	16	10	119		1190	48.33	96.67	161
1X16-I-1424	1509	1426	1422	1292	58	58	68	1477	54	16	1371	54	16	10	130		1300	48.33	96.67	175
1X16-I-1534	1619	1536	1532	1402	58	58	68	1587	60	16	1481	60	16	10	141		1410	48.33	96.67	189
1X16-I-1644	1752	1646	1642	1495	58	58	68	1708	54	22	1580	54	22	10	150		1500	48.33	96.67	239
1X16-I-1754	1862	1756	1752	1605	58	58	68	1818	60	22	1690	60	22	10	161		1610	48.33	96.67	256
1X20-I-1904	2012	1906	1902	1729	58	58	68	1968	64	22	1840	64	22	14	124		1736	67.67	135.33	304
1X16-I-0380	451	381	379	291	55	45	45	425	24	13.5	335	24	13.5	5	60	-	300			28
1X20-I-0489	562	490.5	487.5	385	50	50	60	538	30	14	440	30	14	6	66	-	396			44
1X20-I-0573	665	574.5	571.5	457	50	50	60	630	28	17.5	518	28	17.5	6	77	-3	468			62
1X25-I-0673	771	674.5	671.5	541	60	60	70	736	32	17.5	610	32	17.5	6	91	-3	552			96
1X25-I-0714	825	715.5	712.5	567.5	62	78	90	785	26	18	640	20	18	7	82	-	581			135
1X25-I-0770	871	771.5	768.5	634	60	60	70	833	36	17.5	707	36	17.5	8	80	-4	648			112
1X25-I-0849	960	850.5	847.5	706	65	65	70	914	30	22	784	30	22	8	89	-4	720			14.4
1X25-I-0946	1066	947.5	944.5	785	65	75	85	1015	36	22	880	36	22	10	79	-6.52	803.04			190
1X25-I-1050	1170	1052	1048	882	80	88	98	1125	40	22	975	40	22	10	89	-	900			258
1X30-I-1140	1251	1143	1138	979	75	75	91	1212	40	22	1068	40	22	10	99	-3.2	996.4	72.5		239
1X36-I-1304	1431	1306	1302	1143	82	85	97	1380	48	22	1228	48	22	10	115	-	1143	82.1		323
1X40-I-1385	1530	1387	1383	1178	107	107	130	1480	36	26	1290	36	26	12	100	-	1200	107		541
1X45-I-1606	1770	1608	1604	1375	125	125	150	1710	48	30	1500	48	30	14	100	-	1400	128.3		802
1X45-I-1830	2002	1832	1828	1595	125	125	150	1940	54	30	1720	54	30	14	115	-4.9	1619.8	155.6		951
1X50-I-1997	2190	1999	1995	1731	127	132	144	2130	72	30	1880	72	30	16	109	-8	1760	204.1		1199
1X50-I-2400	2590	2402	2398	2110	135	145	160	2520	80	30	2280	80	30	18	118	-9	2142	252.2		1626
1X50-I-2810	3020	2812	2808	2495	140	148	158	2950	72	36	2670	72	36	20	126	-6	2532	286		2154

● 无齿型
Toothless

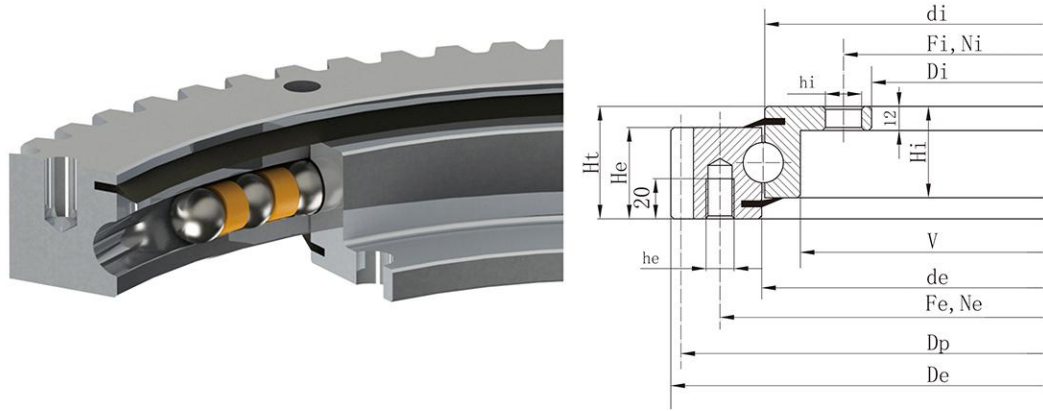


产品特点：单排交叉滚柱式转盘轴承回转支承，由两个套圈组成，结构紧凑、重量轻、制造精度高，装配间隙小，对安装精度要求高。被广泛地用于起重运输，工程机械和军工产品上。交叉滚子转盘轴承预过盈具有较高的回转精度、支承刚性和承受较高动负荷的能力。

Product Characteristics: Single-row crossed roller turntable bearings consist of two rings. They have a compact structure, light weight, high manufacturing accuracy, small assembly clearance, and high requirements for installation accuracy. They are widely used in lifting and transportation, construction machinery, and military products. Crossed roller turntable bearings with pre-interference have high rotation accuracy, bearing rigidity, and ability to withstand high dynamic loads.

Code	Dimensions外形尺寸							Fixing Holes孔参数							weight重量
	De	de	di	Di	He	Hi	Ht		Fe	Ne	he	Fi	Ni	hi	
	[mm]	[mm]	[mm]	[-]	[mm]	[mm]	[mm]		[mm]	[-]		[mm]	[-]		[kg]
1X16-U-0220	300	221	219	140	44	44	52		270	12	18	170	12	18	16
1X16-U-0270	350	271	269	190	44	44	52		320	16	18	220	16	18	20
1X20-U-0307	403.5	308	306	234	47	45	55		358	24	13	259	28	13	26
1X20-U-0340	440	341.5	338.5	240	53	53	60		400	18	22	280	18	22	37
1X14-U-0414	486	415	413	342	44.5	44.5	56		460	24	14	368	24	14	28
1X14-U-0544	616	545	543	472	44.5	44.5	56		590	32	14	498	32	14	38
1X14-U-0644	716	645	643	572	44.5	44.5	56		690	36	14	598	36	14	44
1X14-U-0744	816	745	743	672	44.5	44.5	56		790	40	14	698	40	14	52
1X14-U-0844	916	845	843	772	44.5	44.5	56		890	40	14	798	40	14	60
1X14-U-0944	1016	945	943	872	44.5	44.5	56		990	44	14	898	44	14	67
1X14-U-1094	1166	1095	1093	1022	44.5	44.5	56		1140	48	14	1048	48	14	77
1X16-U-1204	1289	1206	1202	1119	58	58	68		1257	45	16	1151	45	16	124
1X16-U-1314	1399	1316	1312	1229	58	58	68		1367	50	16	1261	50	16	135
1X16-U-1424	1509	1426	1422	1339	58	58	68		1477	54	16	1371	54	16	146
1X16-U-1534	1619	1536	1532	1449	58	58	68		1587	60	16	1481	60	16	158
1X16-U-1644	1752	1646	1642	1536	58	58	68		1708	54	22	1580	54	22	214
1X16-U-1754	1862	1756	1752	1646	58	58	68		1818	60	22	1690	60	22	228
1X16-U-1904	2012	1906	1902	1796	58	58	68		1968	64	22	1840	64	22	248

外齿型
External gear

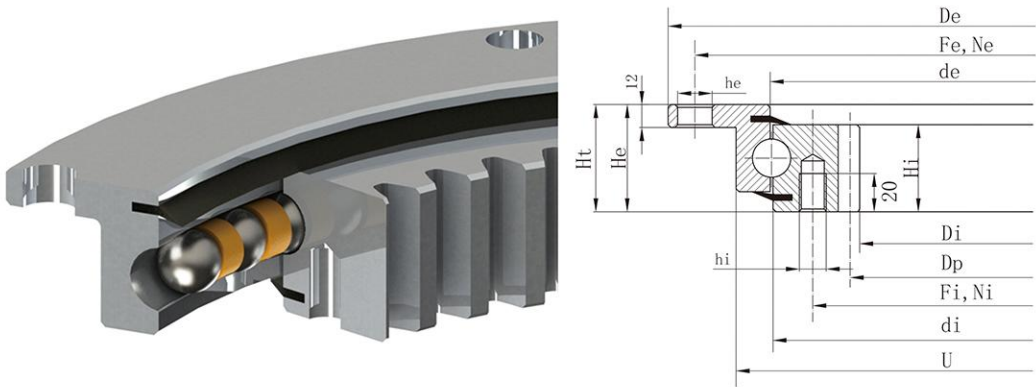


产品特点：外轮上带有法兰的系列转盘轴承回转支承使轴向定位变得简单。不再需要轴承座，它变得更加经济。为了获得轴承的低摩擦扭矩，高刚度和良好的旋转精度，使用了外径小的钢球。中空轴的使用确保了重量轻和配线空间。法兰式转盘轴承主要承受径向载荷，但也可以同时承受径向载荷和轴向载荷。

Product Characteristics: Series turntable bearings with flanges on the outer ring make axial positioning simple. Bearing seats are no longer needed, making it more economical. Small diameter steel balls are used to obtain low friction torque, high stiffness, and good rotation accuracy of the bearings. The use of hollow shafts ensures light weight and wiring space. Flanged turntable bearings mainly bear radial loads but can also withstand both radial and axial loads simultaneously.

Code	Dimensions外形尺寸									Fixing Holes固定孔						Gear data齿参数				Load载荷		Weight重量
	De	Di	He	Hi	Ht	di	de	U	V	Fe	Fi	Ne	he	Ni	hi	Dp	m	z	k.m	[kN]	[kN]	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	[mm]					[mm]			[mm]			KG
1L20-E-0400	504	304	45.5	45.5	56	412.5	415.5		375	455	332	10	M12	24	18	495	5	99	-0.5	11.8	23.5	29
1L20-E-0500	640.8	434	45.5	45.5	56	542.5	545.5		505	585	462	14	M12	28	18	630	6	105	-0.6	14.2	28.4	39.2
1L20-E-0600	742.8	534	45.5	45.5	56	642.5	645.5		605	685	562	16	M12	32	18	732	6	122	-0.6	14.2	28.4	47.2
1L20-E-0700	838.8	634	45.5	45.5	56	742.5	745.5		705	785	662	18	M12	32	18	828	6	138	-0.6	14.2	28.4	53.1
1L20-E-0800	950.4	734	45.5	45.5	56	842.5	845.5		805	885	762	18	M12	36	18	936	8	117	-0.8	18.9	37.9	64.7
1L20-E-0900	1046	834	45.5	45.5	56	942.5	945.5		905	985	862	20	M12	40	18	1032	8	129	-0.8	18.9	37.9	69.1
1L20-E-1000	1198	984	45.5	45.5	56	1093	1096		1055	1135	1012	22	M12	40	18	1184	8	148	-0.8	18.9	37.9	82.5
1L21-E-0475	504	305	45.5	45.5	56	412.5	417		375	455	332	10	M12	12	18	495	5	99	-0.5	11.8	23.5	29.3
1L21-E-0575	640.8	435	45.5	45.5	56	542.5	547		505	585	462	14	M12	14	18	630	6	105	-0.6	14.2	28.4	39.5
1L21-E-0675	742.8	535	45.5	45.5	56	642.5	647		605	685	562	16	M12	16	18	732	6	122	-0.6	14.2	28.4	47.6
1L21-E-0775	838.8	635	45.5	45.5	56	742.5	747		705	785	662	18	M12	16	18	828	6	138	-0.6	14.2	28.4	53.5
1L21-E-0875	950.4	735	45.5	45.5	56	842.5	847		805	885	762	18	M12	18	18	936	8	117	-0.8	18.9	37.9	65.1
1L21-E-0975	1046	835	45.5	45.5	56	942.5	947		905	985	862	20	M12	20	18	1032	8	129	-0.8	18.9	37.9	69.6
1L21-E-1075	1198	985	45.5	45.5	56	1093	1097		1055	1135	1012	22	M12	20	18	1184	8	148	-0.8	18.9	37.9	83
1L30-E-0900	1096	805	71	71	90	956.5	953.5	-	893	1016	845	30	M20	30	22	1080	9	120	-0.9	33.2	66.5	165
1L30-E-1000	1198	905	71	71	90	1057	1054	-	993	1116	945	30	M20	30	22	1180	10	118	-1	36.9	73.8	183
1L30-E-1100	1298	1005	71	71	90	1157	1154	-	1093	1216	1045	36	M20	36	22	1280	10	128	-1	36.9	73.8	200
1L30-E-1200	1398	1105	71	71	90	1257	1254	-	1193	1316	1145	42	M20	42	22	1380	10	138	-1	36.9	73.8	216
1L30-E-1300	1498	1205	71	71	90	1357	1354	-	1293	1416	1245	42	M20	42	22	1480	10	148	-1	36.9	73.8	234
1L30-E-1400	1598	1305	71	71	90	1457	1454	-	1393	1516	1345	48	M20	48	22	1580	10	158	-1	36.9	73.8	250
1L30-E-0975	1096	807	71	71	90	956.5	955	-	893	1016	845	30	M20	30	22	1080	9	120	-0.9	33.2	66.4	165
1L30-E-1075	1198	907	71	71	90	1057	1055	-	993	1116	945	30	M20	30	22	1180	9	118	-1	36.9	73.8	183
1L30-E-1175	1298	1007	71	71	90	1157	1155	-	1093	1216	1045	36	M20	36	22	1280	9	128	-1	36.9	73.8	200
1L30-E-1275	1398	1107	71	71	90	1257	1255	-	1193	1316	1145	42	M20	42	22	1380	9	138	-1	36.9	73.8	216
1L30-E-1375	1498	1207	71	71	90	1357	1355	-	1293	1416	1245	42	M20	42	22	1480	9	148	-1	36.9	73.8	234
1L30-E-1475	1598	1307	71	71	90	1457	1455	-	1393	1516	1345	48	M20	48	22	1580	9	158	-1	36.9	73.8	250

● 内齿型
Internal gear

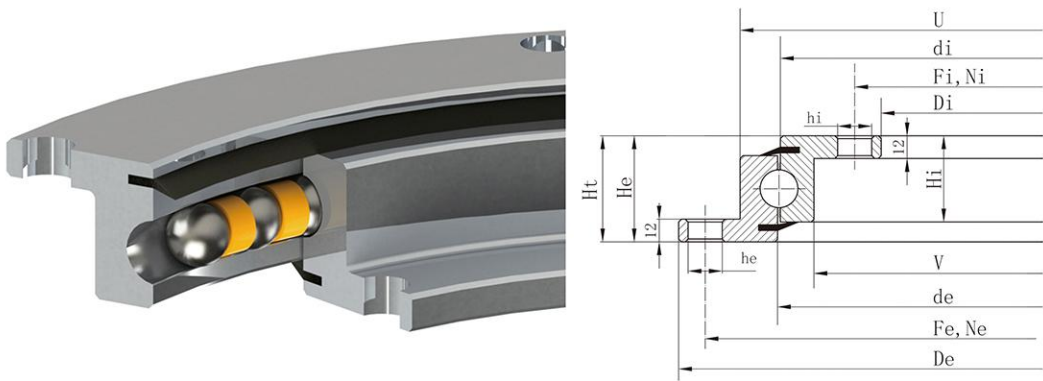


产品特点：外轮上带有法兰的系列转盘轴承回转支承使轴向定位变得简单。不再需要轴承座，它变得更加经济。为了获得轴承的低摩擦扭矩，高刚度和良好的旋转精度，使用了外径小的钢球。中空轴的使用确保了重量轻和配线空间。法兰式转盘轴承主要承受径向载荷，但也可以同时承受径向载荷和轴向载荷。

Product Characteristics: Series turntable bearings with flanges on the outer ring make axial positioning simple. Bearing seats are no longer needed, making it more economical. Small diameter steel balls are used to obtain low friction torque, high stiffness, and good rotation accuracy of the bearings. The use of hollow shafts ensures light weight and wiring space. Flanged turntable bearings mainly bear radial loads but can also withstand both radial and axial loads simultaneously.

Code	Dimensions外形尺寸									Fixing Holes固定孔						Gear data齿参数				Load载荷		Weight重量
	De	Di	He	Hi	Ht	di	de	U	V	Fe	Fi	Ne	he	Ni	hi	Dp	m	z	k.m	[kN]	[kN]	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	[mm]					[mm]			[mm]			KG
1L20-I-0400	518	326.5	45.5	45.5	56	412.5	415.5	453		490	375	16	18	12	M12	335	5	67	-0.8	13.5	27.1	26.9
1L20-I-0500	648	445.2	45.5	45.5	56	542.5	545.5	583		620	505	20	18	16	M12	456	6	76	-0.6	16	32	36.7
1L20-I-0600	748	547.2	45.5	45.5	56	642.5	645.5	683		720	605	24	18	18	M12	558	6	93	-0.6	15.6	31.2	43.4
1L20-I-0700	848	649.2	45.5	45.5	56	742.5	745.5	783		820	705	24	18	20	M12	660	6	110	-0.6	15.3	30.6	50.8
1L20-I-0800	948	737.6	45.5	45.5	56	842.5	845.5	883		920	805	28	18	20	M12	752	8	94	-0.8	20.8	41.6	61.3
1L20-I-0900	1048	841.6	45.5	45.5	56	942.5	945.5	983		1020	905	32	18	22	M12	856	8	107	-0.8	20.5	41	65.4
1L20-I-1000	1198	985.6	45.5	45.5	56	1093	1096	1133		1170	1055	32	18	24	M12	1000	8	125	-0.8	20.2	40.3	80.3
1L21-I-0475	517	326.5	45.5	45.5	56	412.5	415.5	453		490	375	8	18	12	M12	335	5	67	-0.8	13.5	27.1	27.1
1L21-I-0575	647	445.2	45.5	45.5	56	542.5	545.5	583		620	505	10	18	16	M12	456	6	76	-0.6	16	32	36.9
1L21-I-0675	747	547.2	45.5	45.5	56	642.5	645.5	683		720	605	12	18	18	M12	558	6	93	-0.6	15.6	31.2	43.7
1L21-I-0775	847	649.2	45.5	45.5	56	742.5	745.5	783		820	705	12	18	20	M12	660	6	110	-0.6	15.3	30.6	51.1
1L21-I-0875	947	737.6	45.5	45.5	56	842.5	845.5	883		920	805	14	18	20	M12	752	8	94	-0.8	20.8	41.6	61.6
1L21-I-0975	1047	841.6	45.5	45.5	56	942.5	945.5	983		1020	905	16	18	22	M12	856	8	107	-0.8	20.5	41	65.8
1L21-I-1075	1197	985.6	45.5	45.5	56	1093	1096	1133		1170	1055	16	18	24	M12	1000	8	125	-0.8	20.2	40.3	80.7
1L30-I-0900	1100	812	71	71	90	956.5	953.5	1017	-	1060	894	30	22	30	M20	830	10	83	-1	41.2	82.4	159
1L30-I-1000	1200	912	71	71	90	1057	1054	1117	-	1160	994	30	22	30	M20	930	10	93	-1	40.6	81.3	176
1L30-I-1100	1300	1012	71	71	90	1157	1154	1217	-	1260	1094	36	22	36	M20	1030	10	103	-1	40.2	80.3	192
1L30-I-1200	1400	1112	71	71	90	1257	1254	1317	-	1360	1194	42	22	42	M20	1130	10	113	-1	39.7	79.5	208
1L30-I-1300	1500	1212	71	71	90	1357	1354	1417	-	1460	1294	42	22	42	M20	1230	10	123	-1	39.4	78.8	226
1L30-I-1400	1600	1310	71	71	90	1457	1454	1517	-	1560	1394	48	22	48	M20	1330	10	133	-	39.1	78.2	243
1L30-I-0975	1098	812	71	71	90	955	953.5	1017	-	1060	894	30	22	30	M20	830	10	83	-1	41.2	82.4	159
1L30-I-1075	1198	912	71	71	90	1055	1054	1117	-	1160	994	30	22	30	M20	930	10	93	-1	40.6	81.3	176
1L30-I-1175	1298	1012	71	71	90	1155	1154	1217	-	1260	1094	36	22	36	M20	1030	10	103	-1	40.2	80.3	192
1L30-I-1275	1398	1112	71	71	90	1255	1254	1317	-	1360	1194	42	22	42	M20	1130	10	113	-1	39.7	79.5	208
1L30-I-1375	1498	1212	71	71	90	1355	1354	1417	-	1460	1294	42	22	42	M20	1230	10	123	-1	39.4	78.8	226
1L30-I-1475	1598	1310	71	71	90	1455	1454	1517	-	1560	1394	48	22	48	M20	1330	10	133	-	39.1	78.2	243

无齿型
Toothless

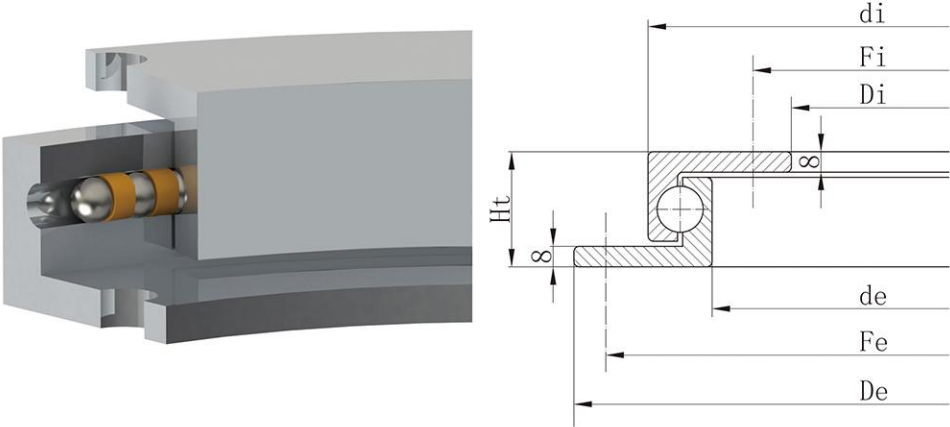


产品特点：外轮上带有法兰的系列转盘轴承回转支承使轴向定位变得简单。不再需要轴承座，它变得更加经济。为了获得轴承的低摩擦扭矩，高刚度和良好的旋转精度，使用了外径小的钢球。中空轴的使用确保了重量轻和配线空间。法兰式转盘轴承主要承受径向载荷，但也可以同时承受径向载荷和轴向载荷。

Product Characteristics: Series turntable bearings with flanges on the outer ring make axial positioning simple. Bearing seats are no longer needed, making it more economical. Small diameter steel balls are used to obtain low friction torque, high stiffness, and good rotation accuracy of the bearings. The use of hollow shafts ensures light weight and wiring space. Flanged turntable bearings mainly bear radial loads but can also withstand both radial and axial loads simultaneously.

Code	Dimensions外形尺寸										Fixing Holes固定孔						Gear data齿参数				Load载荷		Weight重量
	De	Di	He	Hi	Ht	di	de	U	V		Fe	Fi	Ne	he	Ni	hi	Dp	m	z	k.m	[kN]	[kN]	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]		[mm]	[mm]					[mm]			[mm]			KG
1L20-U-0400	518	304	45.5	45.5	56	412.5	415.5	453	375		490	332	16	18	24	18							23
1L20-U-0500	648	434	45.5	45.5	56	542.5	545.5	583	505		620	462	20	18	28	18							30.4
1L20-U-0600	748	534	45.5	45.5	56	642.5	645.5	683	605		720	562	24	18	32	18							35.8
1L20-U-0700	848	634	45.5	45.5	56	742.5	745.5	783	705		820	662	24	18	32	18							42.2
1L20-U-0800	948	734	45.5	45.5	56	842.5	845.5	883	805		920	762	28	18	36	18							47.1
1L20-U-0900	1048	834	45.5	45.5	56	942.5	945.5	983	905		1020	862	32	18	40	18							52.3
1L20-U-1000	1198	984	45.5	45.5	56	1093	1096	1133	1055		1170	1012	32	18	40	18							61.1
1L21-U-0475	517	305	45.5	45.5	56	412.5	415.5	453	375		490	332	8	18	12	18							23.4
1L21-U-0575	647	435	45.5	45.5	56	542.5	545.5	583	505		620	462	10	18	14	18							31
1L21-U-0675	747	535	45.5	45.5	56	642.5	645.5	683	605		720	562	12	18	16	18							36.4
1L21-U-0775	847	635	45.5	45.5	56	742.5	745.5	783	705		820	662	12	18	16	18							42.8
1L21-U-0875	947	735	45.5	45.5	56	842.5	845.5	883	805		920	762	14	18	18	18							47.8
1L21-U-0975	1047	835	45.5	45.5	56	942.5	945.5	983	905		1020	862	16	18	20	18							53.1
1L21-U-1075	1197	985	45.5	45.5	56	1093	1096	1133	1055		1170	1012	16	18	20	18							61.9
1L30-U-0900	1100	805	71	71	90	956.5	953.5	1017	893		1060	845	30	22	30	22	-	-	-	-	-	-	131
1L30-U-1000	1200	905	71	71	90	1057	1054	1117	993		1160	945	30	22	30	22	-	-	-	-	-	-	145
1L30-U-1100	1300	1005	71	71	90	1157	1154	1217	1093		1260	1045	36	22	36	22	-	-	-	-	-	-	159
1L30-U-1200	1400	1105	71	71	90	1257	1254	1317	1193		1360	1145	42	22	42	22	-	-	-	-	-	-	172
1L30-U-1300	1500	1205	71	71	90	1357	1354	1417	1293		1460	1245	42	22	42	22	-	-	-	-	-	-	186
1L30-U-1400	1600	1305	71	71	90	1457	1454	1517	1393		1560	1345	48	22	48	22	-	-	-	-	-	-	200
1L30-U-0975	1098	807	71	71	90	956.5	953.5	1017	893		1060	845	30	22	30	22	-	-	-	-	-	-	131
1L30-U-1075	1198	907	71	71	90	1057	1054	1117	993		1160	945	30	22	30	22	-	-	-	-	-	-	145
1L30-U-1175	1298	1007	71	71	90	1157	1154	1217	1093		1260	1045	36	22	36	22	-	-	-	-	-	-	159
1L30-U-1275	1398	1107	71	71	90	1257	1254	1317	1193		1360	1145	42	22	42	22	-	-	-	-	-	-	172
1L30-U-1375	1498	1207	71	71	90	1357	1354	1417	1293		1460	1245	42	22	42	22	-	-	-	-	-	-	186
1L30-U-1475	1598	1307	71	71	90	1457	1454	1517	1393		1560	1345	48	22	48	22	-	-	-	-	-	-	200

反向法兰型
Reverse flange



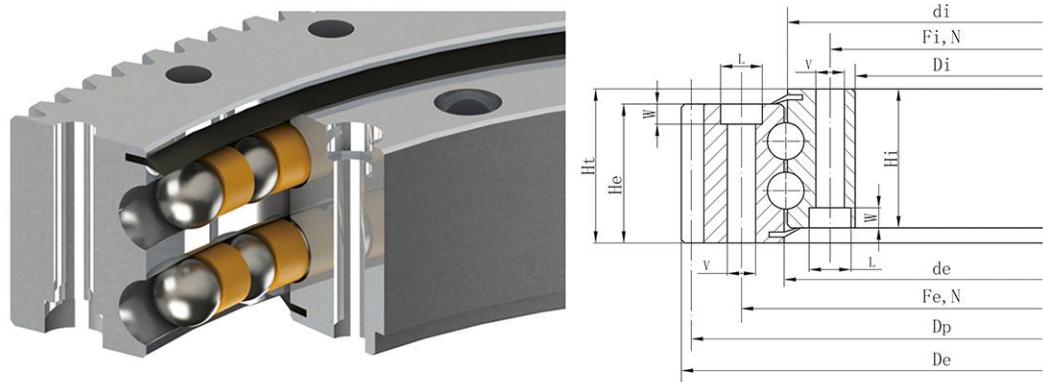
产品特点：外轮上带有法兰的系列转盘轴承回转支承使轴向定位变得简单。不再需要轴承座，它变得更加经济。为了获得轴承的低摩擦扭矩，高刚度和良好的旋转精度，使用了外径小的钢球。中空轴的使用确保了重量轻和配线空间。法兰式转盘轴承主要承受径向载荷，但也可以同时承受径向载荷和轴向载荷。

Product Characteristics: Series turntable bearings with flanges on the outer ring make axial positioning simple. Bearing seats are no longer needed, making it more economical. Small diameter steel balls are used to obtain low friction torque, high stiffness, and good rotation accuracy of the bearings. The use of hollow shafts ensures light weight and wiring space. Flanged turntable bearings mainly bear radial loads but can also withstand both radial and axial loads simultaneously.

Code	De	di	de		Di	Fe	Fi	Ht	Weight重量
	(mm)	(mm)	(mm)		(mm)	(mm)	(mm)	(mm)	kg
1O09-U-0400	400	342	292		230	375	260	45	11
1O09-U-0500	500	442	392		330	475	360	45	15
1O09-U-0600	650	592	542		480	625	510	45	20
1O09-U-0700	750	692	642		580	725	610	45	23
1O09-U-0800	850	792	742		680	825	710	45	27
1O09-U-0900	950	892	842		780	925	810	45	30
1O09-U-1050	1050	992	942		880	1025	910	45	34
1O12-U-0500	500	437	384		315	475	340	52	17
1O12-U-0650	650	587	534		465	625	490	52	23
1O12-U-0750	750	687	634		565	725	590	52	28
1O12-U-0850	850	787	734		665	825	690	52	32
1O12-U-0950	950	887	834		765	925	790	52	36
1O12-U-1050	1050	987	934		865	1025	890	52	40

● 外齿型

External gear

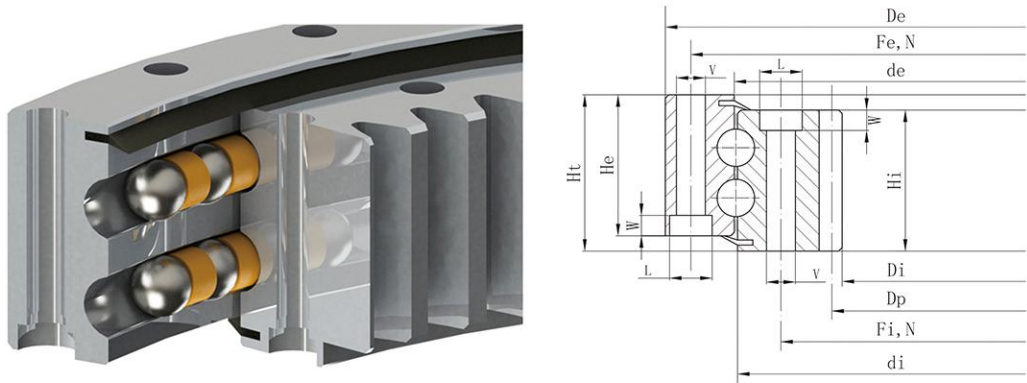


产品特点：双排同径球回转支承转盘轴承主要用于风力发电设备和混凝土运输泵车。在风力发电设备中，轴承安装在螺旋桨的根部，以充当侧面螺旋桨。间隙要求为零或负，并且启动摩擦扭矩大，回转精度高。

Product Features: Double-row, same diameter ball turntable slewing bearing is primarily used in wind turbine generator equipment and concrete transport pump trucks. In wind turbine equipment, the bearing is installed at the root of the propeller to act as the lateral propeller. The clearance requirement is zero or negative, with high starting friction torque and high rotational accuracy.

Code	Dimensions外形尺寸							Fixing Holes孔参数			Fixing Holes孔参数				Gear data齿参数				fz norm	fz norm	Weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Fi	N		V	L	W	m	Z	xm	Dp			
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]			[mm]		[-]	[mm]	[-]	[mm]	[mm]	[kN]	[kN]	[kg]
2B22-E-0307	432	309	305	224	83	83	92	360	254	16		17	25	12	6	70	-	420	20.4	40.8	51
2B22-E-0383	504	385	381	300	83	83	92	436	330	16		17	25	12	8	61	-	488	40.8	81.6	64
2B25-E-0475	595	477	473	382	88	88	98	540	410	24		17	25	14	5	117	-	585	17	34	85
2B25-E-0575	712	577	573	470	88	88	98	640	508	24		17	25	9	8	87	-	696	40.8	81.6	123
2B20-E-0752	864	754	750	678	83	83	92	800	706	36		17	25	9	6	142	-	852	31.01	62	114
2B25-E-0821	979	823	819	718	92	92	102	893	753	36		21	31	15	10	94	11	940	70.6	141.2	200
2B20-E-0968	1080	970	966	893	83	83	92	1015	922	30		17	25	10	8	133	-	1064	41.3	82.6	148
2B25-E-1077	1200	1079	1075	976	88	88	98	1135	1012	36		19	-	-	8	148	-	1184	41.9	83.6	210
2B28-E-1215	1380	1218	1212	1095	98	98	108	1290	1135	48		23	34	16	10	136	-	1360	61.2	122.4	325
2B22-E-0383	504	385	381	300	83	83	92	436	330	16		17	25	12	8	61	-	488	48	96	64
2B25-E-0475	614.4	477	473	378	88	88	98	540	410	24		19	28	14	8	74	4	592	51.2	102.4	98
2B25-E-0575	695	577	573	470	83	83	92	640	508	30		17	25	13	5	136	2.5	680	23.2	46.4	104
2B25-E-0980	1144	982	978	870	96	96	110	1050	910	36		21	31	12	10	111	8	1110	85	170	262
2B28-E-1117	1289	1120	1114	985	98	98	108	1198	1035	40		21	31	18	10	125	10.5	1250	80.2	160.4	332
2B28-E-1215	1380	1218	1212	1095	98	98	108	1290	1135	36		23	34	16	10	136	-	1360	72	144	334
2B30-E-1249	1476	1252	1246	1085	101	101	110	1350	1150	48		26	37	23	10	144	8.6	1440	86	172	502
2B35-E-1249	1472	1252	1246	1085	134	134	144	1350	1150	36		28	41	27	14	102	9.1	1428	147.8	295.6	640
2B30-E-1391	1603	1394	1388	1208	110	110	120	1500	1280	40		29	-	-	10	157	7.5	1570	101	202	636
2B35-E-1402	1604	1405	1399	1208	134	134	144	1500	1280	48		31	46	28	10	157	7	1570	147.8	295.6	710
2B35-E-1390	1634	1393	1387	1208	138	134	148	1500	1280	48		31	46	24	14	113	14	1582	177.3	354.6	800
2B35-E-1578	1805	1581	1575	1433	140	140	156	1671	1485	60		28	41	15	16	109	16.9	1744	205.6	411.2	810

● 内齿型Internal gear



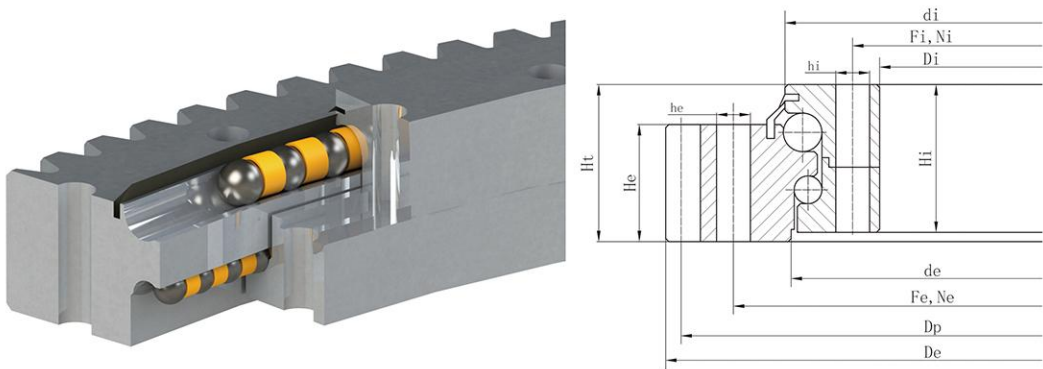
产品特点：双排同径球回转支承转盘轴承主要用于风力发电设备和混凝土运输泵车。在风力发电设备中，轴承安装在螺旋桨的根部，以充当侧面螺旋桨。间隙要求为零或负，并且启动摩擦扭矩大，回转精度高。

Product Features: Double-row, same diameter ball turntable slewing bearing is primarily used in wind turbine generator equipment and concrete transport pump trucks. In wind turbine equipment, the bearing is installed at the root of the propeller to act as the lateral propeller. The clearance requirement is zero or negative, with high starting friction torque and high rotational accuracy.

Code	Dimensions外形尺寸							Fixing Holes孔参数				Fixing Holes孔参数				Gear data齿参数				fz norm	fz max	Weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Fi	N		V	L	W	m	Z	xm	Dp				
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]			[mm]		[-]	[mm]	[-]	[mm]	[mm]	[kN]	[kN]	[kg]	
2B22-I-0625	705	627	623	504	83	83	92	675	575	32		17	25	9	8	65	—	520	49.3	98.6	95	
2B22-I-0763	850	765	761	641	83	83	92	820	705	36		17	25	17	8	81	-4	648	64.2	128.4	128	
2B20-I-0897	973	899	895	786	88	88	97	944	850	36		17	25	11	8	100	—	800	45.3	90.6	141	
2B22-I-0885	982	887	883	754	88	88	97	944	826	36		21	31	14	8	95	-4	760	61.8	123.6	170	
2B25-I-0972	1074	974	970	820	100	96	114	1035	910	40		21	—	—	10	84	—	840	76	152	234	
2B22-I-1088	1172	1090	1085	962	88	88	97	1134	1040	36		17	25	11	10	98	—	980	56.7	113.4	193	
2B25-I-1103	1200	1105	1099	963	96	96	110	1160	1040	36		21	31	12	10	98	—	980	62.3	124.6	239	
2B25-I-1103	1200	1105	1099	963	96	96	110	1160	1040	36		21	31	12	10	98	—	980	73.3	146.6	239	
2B30-I-1143	1250	1147	1141	998	99.5	99.5	110	1208	1080	36		21	31	12	10	100	-8	1000	91.3	182.6	276	
2B28-I-1222	1345	1225	1219	1061.6	98	98	108	1290	1150	40		21	31	16	10	108	—	1080	73.3	146.6	331	
2B30-I-1351	1470	1354	1348	1179	98	98	108	1425	1270	48		23	34	18	12	100	—	1200	85.5	171	365	
2B40-I-1386	1530	1389	1383	1186	134	134	144	1480	1290	48		25	37	23	12	100	—	1200	113	226	627	
2B30-I-1613	1750	1616	1610	1418.4	110	105	120	1705	1525	48		25	37	23	12	120	—	1440	93.1	186.2	564	
2B45-I-1605	1780	1606	1602	1375	134	134	144	1710	1500	48		31	46	28	14	100	—	1400	137.4	274.8	840	
2B35-I-1935	2100	1938	1932	1719	134	134	144	2035	1835	72		29	—	—	12	145	—	1740	114	228	965	
2B35-I-2003	2178	2006	2000	1779	134	134	144	2108	1898	72		29	—	—	12	150	—	1800	114	228	1062	

● 外齿型

External gear

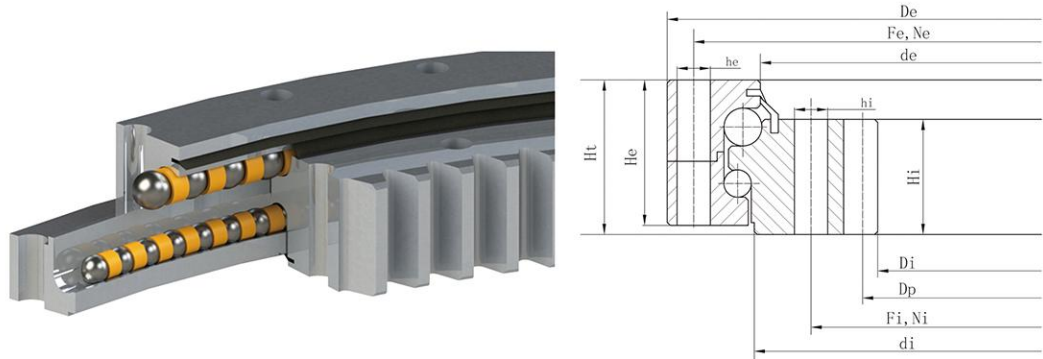


产品特点：双排异径球回转支承有三个座圈，钢球和隔离块可以直接排入上下座圈。根据应力条件，布置两排不同直径的钢球。可以同时承受轴向力和径向力。

Product Characteristics: Double-row different-diameter ball slewing bearings have three race rings, and steel balls and isolators can be directly arranged into the upper and lower race rings. According to the stress conditions, steel balls of two different diameters are arranged in two rows. They can withstand both axial and radial loads simultaneously.

Code	Dimensions 外形尺寸							Fixing Holes孔参数				Fixing Holes孔参数			Gear data 齿参数					Load 载荷		Weight 重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne	he		Fi	Ni	hi	DP	m	z	x · m	k · m			
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]				[mm]			[mm]			[mm]	[mm]	[kN]	[kN]	[kg]
2D20-E-0755	862.8	771	797	679	58	78	82	800	24	M16		706	24	M16	852	6	142	0	- 0.6	15.6	31.2	101
2D20-E-0971	1078.4	987	1012	895	58	78	82	1015	30	M16		922	30	M16	1064	8	133	0	- 0.8	20.8	41.6	128
2D20-E-1220	1342.4	1238	1261	1140	58	78	82	1270	48	M16		1170	48	M16	1320	8	165	4	- 0.8	29.15	58.3	178
2D20-E-1385	1502.4	1403	1426	1305	58	78	82	1435	54	M16		1335	54	M16	1480	8	185	4	- 0.8	29.15	58.3	201
2D25-E-1200	1378	1215	1223	1100	76	96	102	1290	36	M20		1135	36	M20	1350	10	135	5	- 1.0	47.7	95.4	301
2D25-E-1461	1648	1479	1484	1360	76	96	102	1555	40	M20		1395	40	M20	1620	10	162	5	- 1.0	47.7	95.4	381
2D25-E-1800	2001.6	1818	1823	1700	76	96	102	1890	48	M20		1735	48	M20	1968	12	164	6	- 1.2	57.25	114.5	488
2D30-E-1440	1653.6	1460	1469	1320	91	114	120	1545	36	M24		1365	36	M24	1620	12	135	6	- 1.2	68.5	137.1	520
2D30-E-1734	1953.6	1757	1763	1615	91	114	120	1845	44	M24		1660	44	M24	1920	12	160	6	- 1.2	68.5	137.1	636
2D30-E-2031	2253.6	2054	2060	1910	91	114	120	2140	48	M24		1955	48	M24	2220	12	185	6	- 1.2	68.5	137.1	755
2D30-E-2235	2457.6	2258	2264	2115	91	114	120	2345	52	M24		2160	52	M24	2424	12	202	6	- 1.2	68.5	137.1	827
2D35-E-1750	1985.2	1779	1784	1620	104	132	138	1860	44	M24		1670	44	M24	1946	14	139	7	- 1.4	91.4	182.8	789
2D35-E-2220	2461.2	2249	2254	2090	104	132	138	2335	60	M24		2135	60	M24	2422	14	173	7	- 1.4	91.4	182.8	1019
2D35-E-2620	2876.8	2649	2654	2490	104	132	138	2735	60	M24		2540	60	M24	2832	16	177	8	- 1.6	104.5	209	1244
2D40-E-2240	2524.8	2275	2272	2090	117	150	156	2375	48	M30		2145	48	M30	2480	16	155	8	- 1.6	117.5	235.1	1316
2D60-E-2500	2772	2502.5	2497.5	2325	132	132	144	2610	56	Φ 33		2391	56	Φ 33	2718	18	151	18	0			1400
2D60-E-2800	3078	2802.5	2797.5	2625	132	132	144	2910	56	Φ 33		2691	56	Φ 33	3024	18	168	18	0			1600
2D75-E-3150	3480	3152.5	3147.5	2922	162	162	174	3286	56	Φ 45		3014	56	Φ 45	3420	20	171	20	0			2800
2D75-E-3550	3880	3552.5	3547.5	3322	162	162	174	3686	56	Φ 45		3414	56	Φ 45	3820	20	191	20	0			3200
2D75-E-4000	4334	4002.5	3997.5	3772	162	162	174	4136	60	Φ 45		3864	60	Φ 45	4268	22	194	22	0			3600
2D75-E-4500	4840	4502.5	4497.5	4272	162	162	174	4636	60	Φ 45		4364	60	Φ 45	4774	22	217	22	0			4000

● 内齿型Internal gear

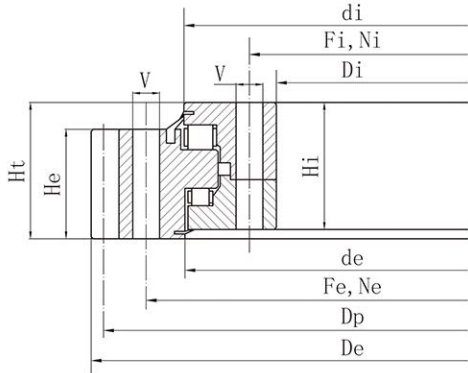
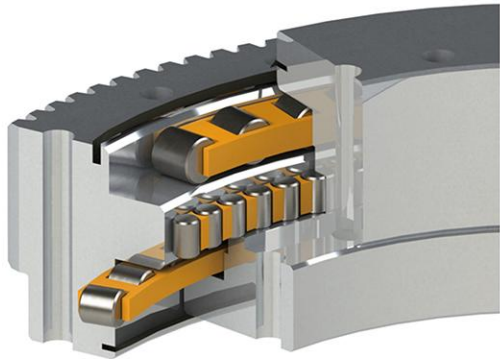


产品特点：双排异径球回转支承有三个座圈，钢球和隔离块可以直接排入上下座圈。根据应力条件，布置两排不同直径的钢球。可以同时承受轴向力和径向力。

Product Characteristics: Double-row different-diameter ball slewing bearings have three race rings, and steel balls and isolators can be directly arranged into the upper and lower race rings. According to the stress conditions, steel balls of two different diameters are arranged in two rows. They can withstand both axial and radial loads simultaneously.

Code	Dimensions 外形尺寸							Fixing Holes孔参数			Fixing Holes孔参数			Gear data 齿参数					Load 载荷		Weight 重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne	he	Fi	Ni	hi	DP	m	z	x · m	k · m	[kN]	[kN]	[kg]
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]			[mm]			[mm]			[mm]	[mm]			
2D18-I-0748	823	734	710	648	54	74	77	798	30	M16	705	30	M16	660	6	110	- 0.0	-	15.2	30.4	90
2D20-I-0895	971	879	854	784	58	78	82	944	30	M16	850	30	M16	800	8	100	- 0.0	-	22.6	45.2	118
2D20-I-1085	1161	1069	1044	960	66	78	90	1134	36	M16	1040	36	M16	980	10	98	- 0.0	-	31.1	62.2	154
2D20-I-1360	1440	1342	1319	1210	58	78	82	1410	54	M16	1300	54	M16	1220	10	122	- 5.0	-	36.4	72.8	213
2D25-I-1360	1460	1342	1337	1180	76	96	102	1425	36	M20	1270	36	20	1190	10	119	- 5.0	-	47.7	95.4	336
2D25-I-1600	1700	1582	1577	1404	76	96	102	1665	42	M20	1510	42	20	1416	12	118	- 6.0	-	57.2	114.4	405
2D30-I-1381	1500	1358	1352	1164	91	114	120	1455	36	M24	1275	36	24	1176	12	98	- 6.0	-	68.5	137	474
2D30-I-1630	1750	1610	1602	1416	91	114	120	1705	40	M24	1525	40	24	1428	12	119	- 6.0	-	68.5	137	558
2D30-I-1800	1920	1777	1771	1568	91	114	120	1875	48	M24	1695	48	24	1582	14	113	- 7.0	-	80	160	643
2D30-I-1995	2115	1972	1966	1764	91	114	120	2070	48	M24	1890	48	24	1778	14	127	- 7.0	-	80	160	716
2D30-I-2330	2450	2307	2301	2100	91	114	120	2405	54	M24	2225	54	24	2114	14	151	- 7.0	-	80	160	839
2D30-I-2538	2660	2515	2509	2288	91	114	120	2615	60	M24	2430	60	24	2304	16	144	- 8.0	-	91.4	182.8	963
2D35-I-1960	2090	1931	1926	1722	104	132	138	2045	52	M24	1850	52	24	1736	14	124	- 7.0	-	91.4	182.8	851
2D35-I-2500	2630	2471	2466	2254	104	132	138	2585	66	M24	2385	66	24	2268	14	162	- 7.0	-	91.4	182.8	1112
2D35-I-2690	2820	2661	2656	2432	104	132	138	2775	72	M24	2580	72	24	2448	16	153	- 8.0	-	104.5	209	1225
2D60-I-2500	2678	2502.5	2497.5	2232	132	132	144	2610	56	Φ 33	2391	56	Φ 33	2250	18	125	18	0			1400
2D60-I-2800	2978	2802.5	2797.5	2520	132	132	144	2910	56	Φ 33	2691	56	Φ 33	2538	18	141	18	0			1600
2D75-I-3150	3376	3152.5	3147.5	2820	162	162	174	3286	56	Φ 45	3014	56	Φ 45	2840	20	142	20	0			2800
2D75-I-3550	3776	3552.5	3547.5	3220	162	162	174	3686	56	Φ 45	3414	56	Φ 45	3240	20	162	20	0			3200
2D75-I-4000	4226	4002.5	3997.5	3652	162	162	174	4136	60	Φ 45	3864	60	Φ 45	3674	22	167	22	0			3600
2D75-I-4500	4726	4502.5	4497.5	4158	162	162	174	4636	60	Φ 45	4364	60	Φ 45	4180	22	190	22	0			4000

● 外齿型
External gear

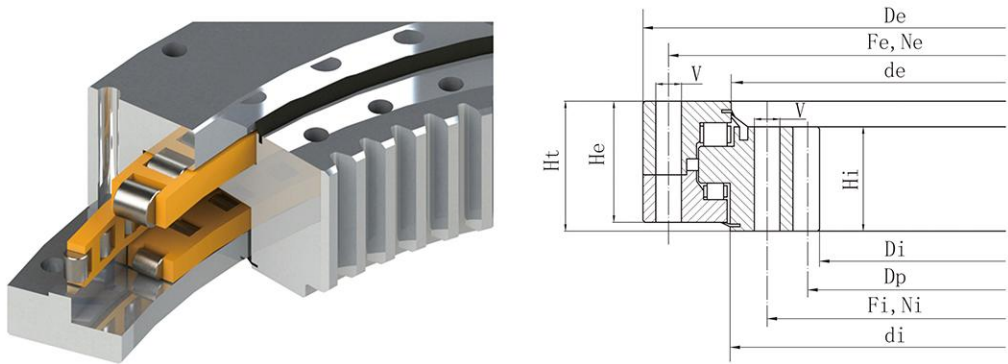


产品特点：三排圆柱滚子组合转盘轴承回转支承具有三个座圈，上，下，径向滚道是分开的，因此，每排滚子可以分别承受轴向和径向载荷。它是四种产品中承载能力较大的一种，适用于需要较大负载的重型机械。

Product Characteristics:
Three-row cylindrical roller combination turntable bearings have three race rings, upper, lower, and radial raceways are separated, so each row of rollers can separately withstand axial and radial loads. It is one of the products with higher load capacity among the four types and is suitable for heavy-duty machinery requiring large loads.

Code	Dimensions 外形尺寸							FixingHoles 固定孔			FixingHoles 固定孔			Gear data 齿参数				Load	Weight重量	
	De	de	di	Di	He	Hi	Ht	Fe	Ne	V		Fi	Ni	V	m	z	Dp			x
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]			[mm]	[-]		[mm]	[-]	[mm]	[mm]	[kN]	[kg]
3R25-E-0500	665	526	537	366	116	138	148	598	24	18		402	24	18	5	130	650	0.5	2750	224
3R25-E-0500	666	463	474	366	116	138	148	598	24	18		402	24	18	6	108	648	0.5	2750	224
3R25-E-0560	725	586	597	426	116	138	148	658	24	18		462	24	18	5	142	710	0.5	3080	240
3R25-E-0560	726	523	534	426	116	138	148	658	24	18		462	24	18	6	118	708	0.5	3080	240
3R25-E-0630	808	593	604	496	116	138	148	728	28	18		532	28	18	8	98	784	0.5	3450	270
3R25-E-0630	810	656	667	496	116	138	148	728	28	18		532	28	18	6	132	792	0.5	3450	270
3R25-E-0710	888	673	684	576	116	138	148	808	28	18		612	28	18	8	108	864	0.5	3880	300
3R25-E-0710	888	736	747	576	116	138	148	808	28	18		612	28	18	6	145	870	0.5	3880	300
3R30-E-0800	1008	830	841	636	142	172	182	920	36	22		680	36	22	8	123	984	0.5	5490	500
3R30-E-0800	1010	759	770	636	142	172	182	920	36	22		680	36	22	10	98	980	0.5	5490	500
3R30-E-0900	1104	930	941	736	142	172	182	1020	36	22		780	36	22	8	135	1080	0.5	6190	600
3R30-E-0900	1110	859	870	736	142	172	182	1020	36	22		780	36	22	10	108	1080	0.5	6190	600
3R30-E-1000	1220	1030	1041	836	142	172	182	1120	40	22		880	40	22	10	119	1190	0.5	6890	680
3R30-E-1000	1224	959	970	836	142	172	182	1120	40	22		880	40	22	12	99	1188	0.5	6890	680
3R30-E-1120	1340	1150	1161	956	142	172	182	1240	40	22		1000	40	22	10	131	1310	0.5	7680	820
3R30-E-1120	1344	1079	1090	956	142	172	182	1240	40	22		1000	40	22	12	109	1308	0.5	7680	820
3R40-E-1250	1512	1200	1210	1055	170	210	220	1393	45	26		1107	45	26	14	105	1470	0.5	11100	1200
3R40-E-1250	1512	1290	1300	1055	170	210	220	1393	45	26		1107	45	26	12	123	1476	0.5	11100	1200
3R40-E-1400	1666	1350	1360	1205	170	210	220	1543	45	26		1257	45	26	14	116	1624	0.5	12400	1300
3R40-E-1400	1668	1440	1450	1205	170	210	220	1543	45	26		1257	45	26	12	136	1632	0.5	12400	1300
3R40-E-1600	1872	1550	1560	1405	170	210	220	1743	48	26		1457	48	26	16	114	1824	0.5	14200	1520
3R40-E-1600	1876	1640	1650	1405	170	210	220	1743	48	26		1457	48	26	14	131	1834	0.5	14200	1520
3R40-E-1800	2072	1840	1850	1605	170	210	220	1943	48	26		1657	48	26	14	145	2030	0.5	15900	1750
3R40-E-1800	2080	1750	1760	1605	170	210	220	1943	48	26		1657	48	26	16	127	2032	0.5	15900	1750
3R45-E-2000	2304	1945	1967	1779	177	219	231	2155	60	33		1845	60	33	18	125	2250	0.5	20500	2400
3R45-E-2000	2304	2055	2059	1779	177	219	231	2155	60	33		1845	60	33	16	141	2256	0.5	20500	2230
3R45-E-2000	2304	2033	2055	1779	177	219	231	2155	60	33		1845	60	33	16	141	2256	0.5	20500	2400
3R45-E-2000	2267	2041	2051	1816	117	137	150	2127	60	33		1885	60	33	16	138	2208	0.5	16900	1120
3R45-E-2400	2556	2185	2207	2019	177	219	231	2395	60	33		2085	60	33	18	139	2502	0.5	23100	2700
3R45-E-2240	2560	2273	2295	2019	177	219	231	2395	60	33		2085	60	33	16	157	2512	0.5	23100	2700
3R45-E-2500	2820	2445	2467	2279	177	219	231	2655	72	33		2345	72	33	20	138	2760	0.5	25800	3000
3R45-E-2500	2826	2561	2555	2279	177	219	231	2655	72	33		2345	72	33	18	154	2772	0.5	25800	2834
3R45-E-2500	2826	2533	2555	2279	177	219	231	2655	72	33		2345	72	33	18	154	2772	0.5	25800	3000
3R45-E-2800	3114	2833	2855	2579	219	177	231	2955	72	33		2645	72	33	18	170	3060	0.5	28800	3400
3R50-E-3150	3540	3196	3213	2868	258	205	270	3342	72	45		2958	72	45	20	174	3480	0.5	35900	5000
3R50-E-3550	3940	3596	3613	3268	258	205	270	3742	72	45		3358	72	45	20	194	3880	0.5	40400	5600
3R50-E-4000	4400	4046	4063	3718	258	205	270	4192	80	45		3908	80	45	22	197	4334	0.5	45600	6400
3R50-E-4500	4906	4546	4563	4218	258	205	270	4692	80	45		4308	80	45	22	220	4840	0.5	54450	6942

● 内齿型
Internal gear

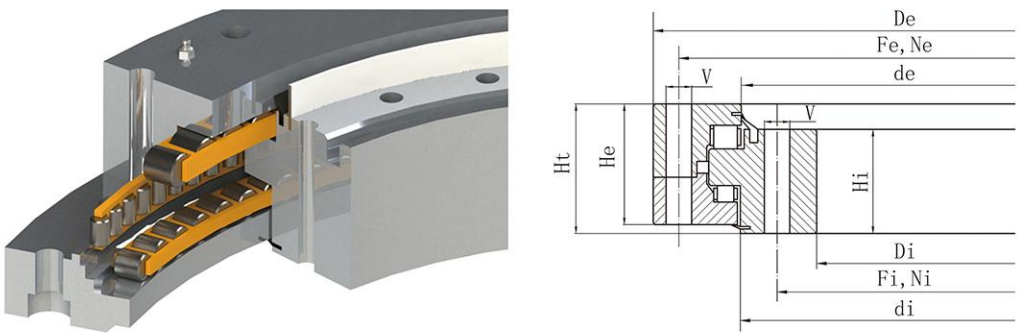


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	De	de	di	Di	He	Hi	Ht	Fe	Ne	V	Fi	Ni	V	m	z	Dp	x	[kN]	[kg]
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]		[mm]	[-]		[mm]	[-]	[mm]	[mm]		
3R25-I-0500	634	526	537	335	138	116	148	598	24	18	402	24	18	5	68	340	0.5	2750	224
3R25-I-0500	634	463	474	336	138	116	148	598	24	18	402	24	18	6	57	342	0.5	2750	224
3R25-I-0560	694	586	597	395	138	116	148	658	24	18	462	24	18	5	80	400	0.5	3080	240
3R25-I-0560	694	523	534	396	138	116	148	658	24	18	462	24	18	6	67	402	0.5	3080	240
3R25-I-0630	764	656	667	456	138	116	148	728	28	18	532	28	18	6	77	462	0.5	3450	270
3R25-I-0630	764	593	604	456	138	116	148	728	28	18	532	28	18	8	58	464	0.5	3450	270
3R25-I-0710	844	736	747	534	138	116	148	808	28	18	612	28	18	6	90	540	0.5	3880	300
3R25-I-0710	844	673	684	536	138	116	148	808	28	18	612	28	18	8	68	544	0.5	3880	300
3R30-I-0800	964	759	770	590	172	142	182	920	36	22	680	36	22	10	60	600	0.5	5490	500
3R30-I-0800	964	830	841	592	172	142	182	920	36	22	680	36	22	8	75	600	0.5	5490	500
3R30-I-0900	1064	930	941	688	172	142	182	1020	36	22	780	36	22	8	87	696	0.5	6190	600
3R30-I-0900	1064	859	870	690	172	142	182	1020	36	22	780	36	22	10	70	700	0.5	6190	600
3R30-I-1000	1164	1030	1041	780	172	142	182	1120	40	22	880	40	22	10	79	790	0.5	6890	680
3R30-I-1000	1164	959	970	780	172	142	182	1120	40	22	880	40	22	12	66	792	0.5	6890	680
3R30-I-1120	1284	1150	1161	900	172	142	182	1240	40	22	1000	40	22	10	91	910	0.5	7680	820
3R30-I-1120	1284	1079	1090	900	172	142	182	1240	40	22	1000	40	22	12	76	912	0.5	7680	820
3R40-I-1250	1445	1200	1210	980	210	170	220	1393	45	26	1107	45	26	14	71	994	0.5	11100	1200
3R40-I-1250	1445	1290	1300	984	210	170	220	1393	45	26	1107	45	26	12	83	996	0.5	11100	1200
3R40-I-1400	1595	1350	1360	1134	210	170	220	1543	45	26	1257	45	26	14	80	1120	0.5	12400	1300
3R40-I-1400	1595	1440	1450	1140	210	170	220	1543	45	26	1257	45	26	12	96	1152	0.5	12400	1300
3R40-I-1600	1795	1550	1560	1328	210	170	220	1743	48	26	1457	48	26	16	84	1344	0.5	14200	1520
3R40-I-1600	1795	1640	1650	1330	210	170	220	1743	48	26	1457	48	26	14	96	1344	0.5	14200	1520
3R40-I-1800	1995	1750	1760	1520	210	170	220	1943	48	26	1657	48	26	16	96	1536	0.5	15900	1750
3R40-I-1800	1995	1840	1850	1526	210	170	220	1943	48	26	1657	48	26	14	110	1540	0.5	15900	1750
3R45-I-2000	2221	1945	1967	1692	219	177	231	2155	60	33	1845	60	33	18	95	1710	0.5	20500	2400
3R45-I-2000	2221	2033	2055	1696	219	177	231	2155	60	33	1845	60	33	16	107	1712	0.5	20500	2400
3R45-I-2240	2461	2273	2295	1920	219	177	231	2395	60	33	2085	60	33	16	121	1936	0.5	23100	2700
3R45-I-2240	2461	2185	2207	1926	219	177	231	2395	60	33	2085	60	33	18	108	1944	0.5	23100	2700
3R45-I-2500	2721	2533	2555	2178	219	177	231	2655	72	33	2345	72	33	18	122	2196	0.5	25800	3000
3R45-I-2500	2721	2445	2467	2180	219	177	231	2655	72	33	2345	72	33	20	110	2200	0.5	25800	3000
3R45-I-2800	3021	2833	2855	2484	219	177	231	2955	72	33	2645	72	33	18	139	2502	0.5	28800	3400
3R50-I-3150	3432	3196	3213	2760	258	205	270	3342	72	45	2958	72	45	20	139	2780	0.5	35900	5000
3R50-I-3550	3832	3596	3613	3160	258	205	270	3742	72	45	3358	72	45	20	159	3180	0.5	40400	5600
3R50-I-4000	4282	4046	4063	3608	258	205	270	4192	80	45	3908	80	45	22	165	3630	0.5	45600	6400
3R50-I-4500	4782	4546	4563	4114	258	205	270	4692	80	45	4308	80	45	22	185	4070	0.5	54450	6942

● 无齿型
Toothless



产品特点：三排圆柱滚子组合转盘轴承回转支承具有三个座圈，上，下，径向滚道是分开的，因此，每排滚子可以分别承受轴向和径向载荷。它是四种产品中承载能力较大的一种，适用于需要较大负载的重型机械。

Product Characteristics:
Three-row cylindrical roller combination turntable bearings have three race rings, upper, lower, and radial raceways are separated, so each row of rollers can separately withstand axial and radial loads. It is one of the products with higher load capacity among the four types and is suitable for heavy-duty machinery requiring large loads.

Code	Dimensions 外形尺寸							FixingHoles 固定孔			FixingHoles 固定孔			Gear data 齿参数				Load	Weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne	V		Fi	Ni	V	m	z	Dp	x	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]			[mm]	[-]		[mm]	[-]	[mm]	[mm]	[kN]
3R25-U-0500	634	526	537	366	138	116	148	598	24	18		402	24	18					2750
3R25-U-0560	694	586	597	426	138	116	148	658	24	18		462	24	18					3080
3R25-U-0630	764	656	667	496	138	116	148	728	28	18		532	28	18					3450
3R25-U-0710	844	736	747	576	138	116	148	808	28	18		612	28	18					3880
3R30-U-0800	964	830	841	636	172	142	182	920	36	22		680	36	22					5490
3R30-U-0900	1064	930	941	736	172	142	182	1020	36	22		780	36	22					6190
3R30-U-1000	1164	1030	1041	836	172	142	182	1120	40	22		880	40	22					6890
3R30-U-1120	1284	1150	1161	956	172	142	182	1240	40	22		1000	40	22					7680
3R30-U-1250	1445	1290	1300	1055	210	170	220	1393	45	26		1107	45	26					11100
3R40-U-1400	1595	1440	1450	1205	210	170	220	1543	45	26		1257	45	26					12400
3R40-U-1600	1795	1640	1650	1405	210	170	220	1743	48	26		1457	48	26					14200
3R40-U-1800	1995	1840	1850	1605	210	170	220	1943	48	26		1657	48	26					15900
3R45-U-2000	2195	2041	2051	1816	137	117	150	2127	60	33		1885	60	33					16900
3R45-U-2240	2461	2273	2295	2019	219	177	231	2395	60	33		2085	60	33					23100
3R45-U-2500	2721	2533	2555	2279	219	177	231	2655	72	33		2345	72	33					25800
3R45-U-2800	3021	2833	2855	2579	219	177	231	2955	72	33		2645	72	33					28800
3R50-U-3150	3432	3196	3213	2868	258	205	270	3342	72	45		2958	72	45					35900
3R50-U-3550	3832	3596	3613	3268	258	205	270	3742	72	45		3358	72	45					40400
3R50-U-4000	4282	4046	4063	3718	258	205	270	4192	80	45		3908	80	45					45600
3R50-U-4500	4782	4546	4563	4218	258	205	270	4692	80	45		4308	80	45					54450