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公司中文网



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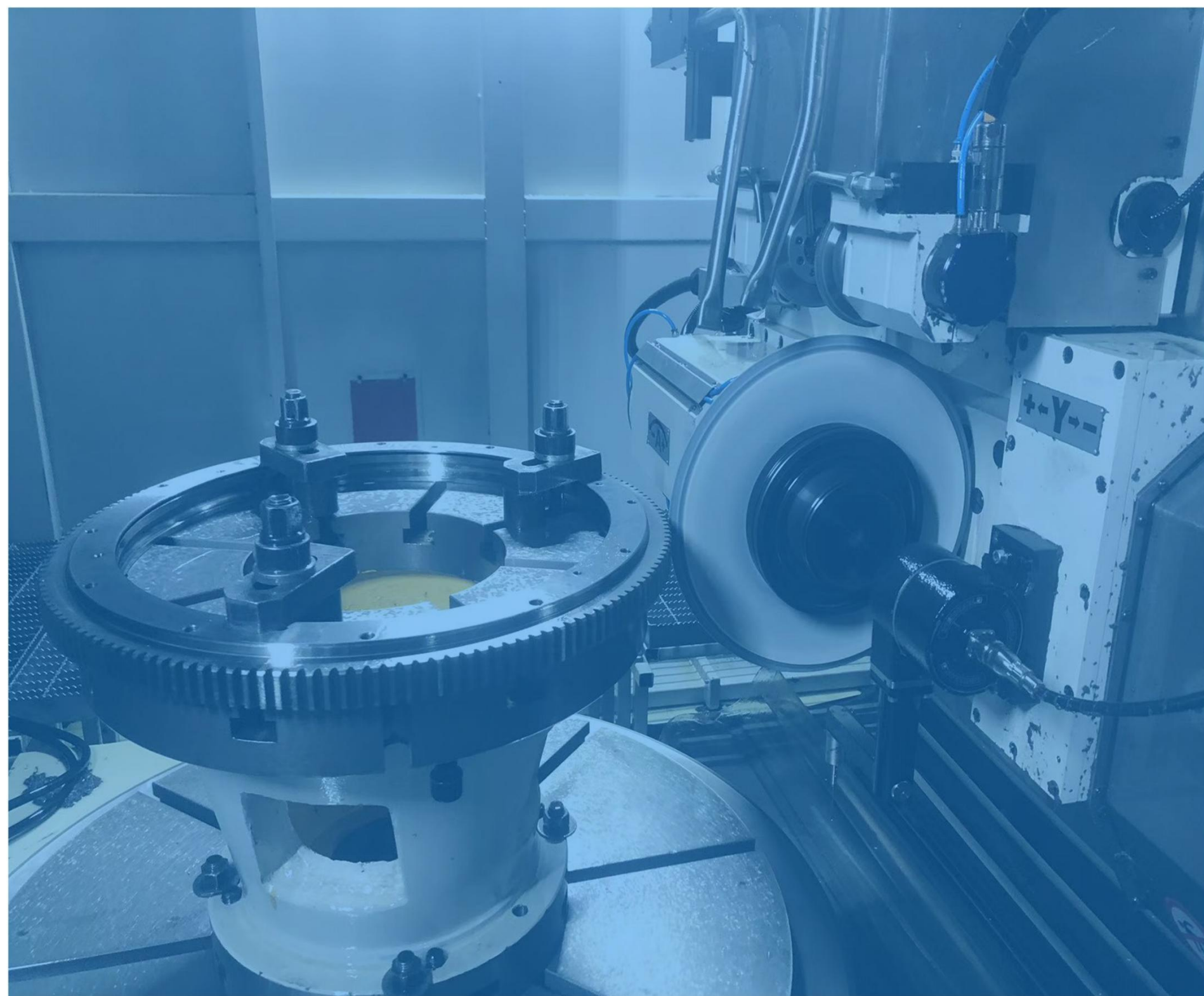
交叉滚子轴承
Cross Roller Bearings

YRT转台轴承
YRT Table Bearing

工业机器人轴承
Industrial Robotic Bearings

转盘轴承
Rotor bearing

洛阳东轴轴承有限公司
LUOYANG LYDZC BEARING CO., LTD



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公司简介

洛阳东轴轴承有限公司专门生产预载交叉滚子轴承和转盘轴承。生产工艺采用研磨工艺和主机配套设计方案。保证轴承在使用寿命范围内达到高精度级别和使用寿命。

自从2012年成立以来设计和制造直径40到5000毫米的特殊轴承和精密转盘轴承，精密交叉滚子轴承。结构包括：RU系列，RB系列，RA系列，RE系列，CRBH系列，SX系列；精密转盘轴承结构包括：结构系列包括无齿LYDZ00系列，LYDZ11系列，LYDZ020系列；内齿LYDZ03系列，LYDZ13系列，LYDZ023系列，外齿LYDZ01系列，LYDZ11系列，LYDZ021系列；YRT转台轴承YRT系列，YRTS系列，YRTM系列。适用于所有机械传动行业。

我们生产的精密交叉滚子轴承，锻件采用轴承钢GCr15;GCr15SiMn经过淬火，回火，退火处理硬度达到HRC56-62, 机械性能稳定，使用寿命超过10年。

东轴轴承提供特殊要求的不锈钢，硬铝非标定制轴承。60%的精密交叉滚子轴承出口到65个国家；自从2012年公司成立以来，我们生产提供超过80万套的精密交叉滚子轴承和精密转盘轴承；

东轴轴承拥有的制造装备和完善的售后服务团队，高精度平面磨床，高精度外圆磨床，高精度内圆磨床保证了生产产品的精度；化的售后服务团队为您提供任何轴承的安装指导和 分析。LYDZC工程和设计部门采用新的计算软件和有限元分析，为您提供满足苛刻规格的创新和定制解决方案。各种标准滚珠转盘轴承和滚柱交叉滚子轴承也不断有库存，随时满足您的紧急需求。

洛阳东轴投入了很大的人力物力共计3000余万元。进行精密轴承的研发和设备的升级改造，新购数控磨床，加工中心，和高精密平面磨床。另外加大对于核心人员的岗位培训，我们和国外大型轴承制造公司有亲密合作关系，开展优势互补，共同提高员工的操作技术水平。我们在精密交叉滚子轴承和YRT转台轴承等研发方面取得了很大的进步，我们在2019年占据了市场60%的份额。



公司客户介绍

目前产品在国内市场非常成熟，客户辐射全国，主要集中在沿海工业发达的城市和地区，客户行业非常广法，近年来新兴的行业都有所涉及，公司业务也在海外进一步得到发展，遍布欧洲、北美、东南亚等地区。

东轴轴承的主要产品 MAIN PRODUCT OF LYDZC

一、交叉滚子轴承 Crossed Roller Bearings

- 1、多向承载高刚性
- 2、高旋转精度/操作安装简化
- 3、机器人/精密仪器用
- 1、Multidirectional Load /High Rigidity
- 2、High Precision / Easily To Install
- 3、Robotic Use

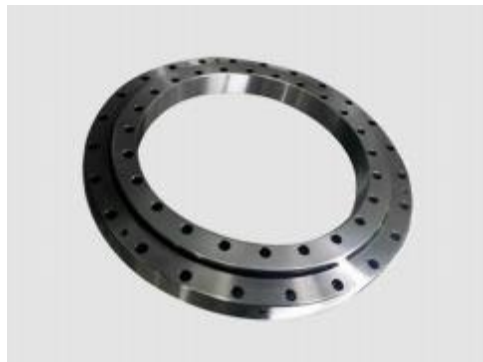
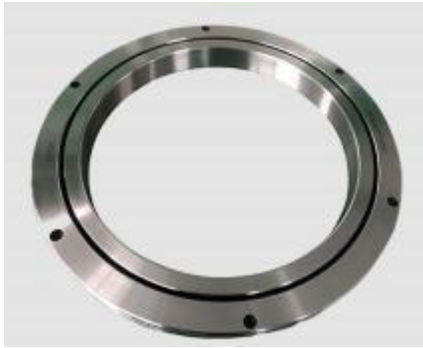
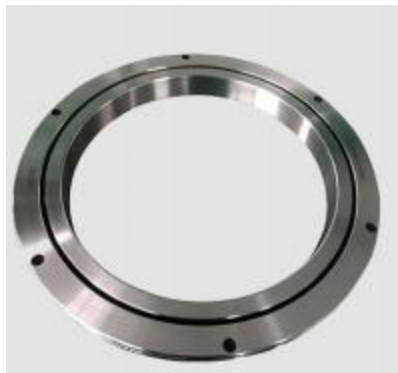
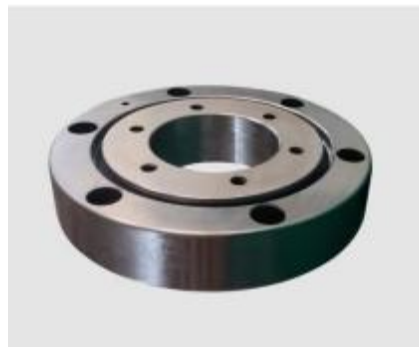
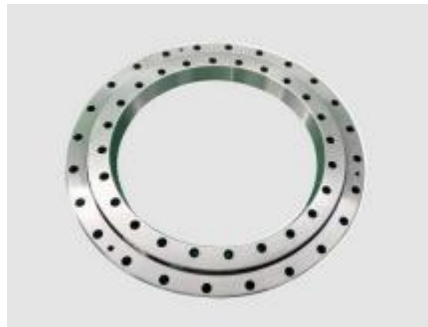


二、转台轴承 Rotary Table Bearing (BRT/BRTM/BRTS/BLDF)

- 1、多向承载高刚性，轴向承载能力更强
- 2、高旋转精度/操作安装简化
- 3、数控转台/分度台用
- 1、Multidirectional Load High Rigidity
- 2、High Precision/Easily To Install
- 3、CNC Turntable Use



东轴轴承的主要产品 交叉圆柱滚子轴承系列图集展示Crossed Roller Bearings

		
SX系列/SX Series	XSU系列/XSU Series	RU系列/RU Series
		
RE系列/RE Series	RB系列/RB Series	RA系列/RA Series
		
CRBH系列/CRBH Series	XU系列/XU Series	XRT系列/XRT Series
		
XRU 系列/XRU Series	YRT 系列/ YRT Series	XSU 系列 / xsu Series



Crossed
Roller Bearing

交叉圆柱滚子轴承
Cross Roller Bearing

高精度工业机器人专用轴承

交叉滚子轴承特点

Features Of Crossed Roller Bearings

结构特点：

交叉滚子轴承，是圆柱滚子在呈90°的V形沟槽滚动面上通过隔离块被相互垂直地排列，所以交叉滚子轴承可承受径向负荷、轴向负荷及力矩负荷等多方向的负荷。内外圈的尺寸被小型化，极薄形式更是接近于极限的小型尺寸，并且具有高钢性，且精度可达到P5、P4、P2级。因此适合于工业机器人的关节部和旋转部、机械加工中心的旋转台，精密旋转工作台、医疗机器、计算器、军工、IC制造装置等设备。

旋转精度：

轴承中垂直排列的滚子间装有隔离块，防止了滚子的倾斜和滚子之间的相互摩擦，减小了旋转力矩。另外，与以前使用钢板保持器相比，不会发生滚子在一方接触现象或锁死现象。同时，因内圈（或外圈）是两分割的构造，轴承间隙可调整，即使被施加预载，也能获得高精度地旋转运动。

使用特点：

被分割的内环（或外环），在装入滚柱和间隔保持器后，与交叉滚柱轴环固定在一起，以防止互相分离，故安装交叉滚柱轴环时操作简单。通过间隔保持器使滚柱间的相互摩擦消失，防止滚柱侧倒，从而能获得稳定的旋转扭矩。由于滚柱为交叉排列，因此只用一套交叉滚柱轴承就可承受各个方向的负荷，与传统型号相比，刚性提高3~4倍。

Features of crossed roller bearings

STRUCTURE FEATURES

With the Cross Roller bearing, cylindrical rollers are arranged crosswise, with each roller perpendicular to the adjacent roller, in a 90°V groove, separated from each other by a spacer retainer. This design allows just one bearing to receive loads in all directions including, radial, axial and moment loads. Since the Cross-Roller Ring achieves high rigidity and the precision can reach up to P5,P4,P2, despite the minimum possible dimensions of the inner and outer rings, it is optimal for applications such as joints and swiveling units of industrial robots, swiveling tables of machining centers, precision rotary tables, medical equipment, measuring instruments and IC manufacturing machines.

Rotation accuracy

The spacer retainer fitting among cross-arrayed rollers prevents rollers from skewing and the rotation torque from increasing due to friction between rollers.Unlike conventional types using steel sheet retainers, the Cross Roller Bearing does not cause displacement or locking of rollers and provides a stable rotation torque.Since the inner and outer rings are designed to be separable, the bearing clearance can be adjusted. In addition, highly accurate rotary motion is ensured through adjusting the bearing clearance to provide a preload.

Usage characteristics

The inner and outer rings, which are separable, are secured to the Cross Roller Bearing body after the rollers and spacer retainers are installed. This procedure prevents the rings from separating from each other. Thus, it is easy to handle the rings when installing the Cross Roller Bearing. The spacer retainer keeps rollers in their proper position, thereby preventing them from skewing. This eliminates friction between rollers, and therefore secures a stable rotation torque.the cross array of rollers allows a single Cross Roller Bearing unit to receive loads in all directions, increasing the rigidity to three to four times greater than the conventional type.

交叉圆柱滚子轴承类型

Classification Of Crossed Roller Bearings

CRB 型（外环分割型、内环旋转用）

Model CRB(Separable Outer Ring, Type for Inner Ring Rotation)



系列型号为交叉圆柱滚子轴承的基本型，内外环尺寸被最小限度地型化，构造是外环是分割型，内环是一体设计，适合于要求内环旋转精度高的地方。

The series type is the basic type of crossed cylindrical roller bearings, the inner and outer ring dimensions are minimized, and the construction is the outer ring is the split type, and the inner ring is a one-piece design, which is suitable for the parts that require high rotation accuracy of the inner ring.

CRE 型（内环分割型、外环旋转用）

Model CRE (Separable Inner Ring, Type for Outer Ring Rotation)



CRE系列是由CRB系列设计概念生成的一种新形式，内环由两个部分组成，即整个外环结构，最适合旋转精度外部高位置的要求。

The CRE series is a new form of generated by the design concept of CRB series, the inner ring is composed of two parts, the outer ring structure as a whole, the most suited to the requirements of the rotating precision outer high places.

CRU 型、CSU 型、CXU 型（内、外环一体型）

Model CRU、CSU、CXU (Integrated Inner/Outer Ring Type)



此系列型号由于已进行了安装孔的加工，就不需要固定法兰和支撑座。另外，由于采用带座的的一体化内外环结构，安装对性能几乎没有影响，因此能够获得稳定的旋转精度和扭矩。

This system has been processed from the Annong Pole Pole, and there is no need to fix the Fa orchid and support the seat. In addition, from the use of the inner and outer ring structure with a seat, the installation of the installation is almost no sound, so the stable rotation precision and torque can be obtained.

SX 型（外环分割型，内环旋转用）

Model SX (Separable Outer Ring, Type for Inner Ring Rotation)

其结构与CRB系列类似，外环是两分割的结构，通过三个固定环连接，内环一体设计，适合于要求内环旋转精度高的部位。



Its structure is similar to the CRB series. The outer ring is a two -divided structure. Three fixed ring connections are connected. The inner ring is suitable for the part with high rotation precision in the request.



CRX 标准系列(内圈旋转)CRX Thin Type

Model CRX(Separable Outer Ring, Type for Inner Ring Rotation)

CRX系列圆柱交叉滚子轴承结构和CRB系列交叉滚子轴承类似，2半外圈通过卡簧牢固的联系在一起。具有较高的旋转精度。

CRX series of cylindrical cross roller bearing structure and series of crossed roller bearing outer ring of 2 similar, half the spring solid contact card. Rotary with high precision.



CRBH 型(内、外环一体型)

Model CRBH (Integrated Inner/Outer Ring Type)

该系列型号内、外环都是一体结构，用于外环和内环旋转。

This model is with an integrated Inner/Outer Ring structure, can be used for both inner-ring rotation and outer-ring rotation.



CRTX 标准系列 CRTX Thin Type

CRTX 系列圆锥交叉滚子轴承在结构上和CRB、CRE 系列圆柱交叉滚子轴承类似，同样具有分离的2个外圈滚道，圆锥滚子在V型滚道面上通过间隔保持器垂直交叉排列，相比圆柱交叉滚子轴承，能够承受更大的负荷，具有更高的旋转速度、旋转精度及稳定性

The CRTX series cone cross -roller bearing is similar to the structure as the CRB and CRE series cylindrical cross roller bearings. There are also two separate circles. Compared with cylindrical cross -roller bearings, they can withstand larger loads, and have higher rotation speed, rotation accuracy and stability The CRTX series cone cross -roller bearing is similar to the structure as the CRB and CRE series cylindrical cross roller bearings. There are also two separate circles. Compared with cylindrical cross -roller bearings, they can withstand larger loads, and have higher rotation speed, rotation accuracy and stability



CRA 型(外环分割型、内环旋转用)

Model CRA (Separable Outer Ring Type for Inner Ring Rotation)

此系列型号是将CRB 型内、外环厚度减小到极限的紧凑型。适合于需要重量轻、紧凑设计的部位，例如机器人和机械手旋转部位。

Based on model CRB, this model is a light and compact type with the thinnest possible inner and outer rings. It is optimal for location where weight reduction and downsizing are required, such as the hand swiveling unit of robots and manipulators.

交叉滚子轴承旋转精度标准-CRB、CRE、RU/XRU/CRBF

CRB 型内环旋转精度

单位：微米 Unit: μm

轴承内径尺寸 Inner diameter (d) (mm)		内环公差 Tolerance of the inner ring					
		径向跳动 Radial runout			轴向跳动 Axial runout		
以上 Upon	以下 Below	P5级	P4级	P2级	P5级	P4级	P2级
18	30	4	3	2.5	4	3	2.5
30	50	5	4	2.5	5	4	2.5
50	80	5	4	2.5	5	4	2.5
80	120	6	5	2.5	6	5	2.5
120	150	8	6	2.5	8	6	2.5
150	180	8	6	5	8	6	5
180	250	10	8	5	10	8	5
250	315	13	10	6	13	10	6
315	400	15	12	8	15	12	8
400	500	18	14	10	18	14	10
500	630	20	16	12	20	16	12
630	800	25	20	15	25	20	15
800	1000	30	25	20	30	25	20
1000	1250	35	30	25	35	30	25

CRE型外环旋转精度

单位：微米 Unit: μm

轴承外径尺寸 Outer diameter (D) (mm)		外环公差 Tolerance of the Outer ring					
		径向跳动 Radial runout			轴向跳动 Axial runout		
以上 Upon	以下 Below	P5级	P4级	P2级	P5级	P4级	P2级
18	30	7	5	2.5	7	5	2.5
30	50	8	5	4	8	5	4
50	80	10	6	5	10	6	5
80	120	11	7	5	11	7	5
120	150	13	8	5	13	8	5
150	180	15	10	7	15	10	7
180	250	18	11	7	18	11	7
250	315	20	13	8	20	13	8
315	400	23	15	10	23	15	10
400	500	25	16	12	25	16	12
500	630	30	20	15	30	20	15
630	800	35	25	20	35	25	20
800	1000	40	30	25	40	30	25
1000	1250	45	35	30	45	35	30

交叉滚子轴承旋转精度标准RU/XRU/CRBF 型

RU/XRU/CRBF型旋转精度

单位: 微米 Unit: μm

型号 Model Number	内环公差 Tolerance of the inner ring						外环公差 Tolerance of the outer ring					
	径向跳动			轴向跳动			径向跳动			轴向跳动		
	Radial runout			Axial runout			Radial runout			Axial runout		
	P5级	P4级	P2级	P5级	P4级	P2级	P5级	P4级	P2级	P5级	P4级	P2级
CRU28	4	3	2.5	4	3	2.5	8	5	4	8	5	4
CRU42	4	3	2.5	4	3	2.5	8	5	4	8	5	4
CRU57	4	3	2.5	4	3	2.5	8	5	4	8	5	4
CRU66	5	4	2.5	5	4	2.5	10	6	5	10	6	5
CRU85	5	4	2.5	5	4	2.5	10	6	5	10	6	5
CRU148	6	5	2.5	6	5	2.5	15	10	7	15	10	7
CRU178	6	5	2.5	6	5	2.5	15	10	7	15	10	7
CRU297	10	8	5	10	8	5	20	13	8	20	13	8
CRU445	15	12	7	15	12	7	25	16	10	25	16	10

注) 对于CRU 型, P5级为标准旋转精度。



交叉滚子轴承内外圈宽度的公差（所有等级通用）

单位: 微米Unit: μm

轴承内径(d)的公称尺寸(mm)		轴承宽度B的公差		轴承宽度B1的公差	
		适用于CRB外圈, CRE内圈系列		适用于CRB外圈, CRE内圈系列	
超过	以下	上	下	上	下
18	30	0	-75	0	-100
30	50	0	-75	0	-100
50	80	0	-75	0	-100
80	120	0	-75	0	-100
120	150	0	-75	0	-120
150	180	0	-100	0	-120
180	250	0	-100	0	-120
250	315	0	-120	0	-150
315	400	0	-150	0	-200
400	500	0	-150	0	-200
500	630	0	-150	0	-200
630	800	<0	-150	0	-200
800	1000	0	300	0	-400
1000	1250	0	-300	0	-400

型号	旋转精度		尺寸精度			
	内圈径向跳动 跳动	内圈轴向	内径	外径	内圈高度	装配高
CRX7010	0.010	0.010	-0.015	-0.022	-0.010	0.1
CRX9013	0.010	0.010	-0.018	-0.022	-0.010	0.12
CRX10013	0.010	0.010	-0.018	-0.025	-0.010	0.12
CRX12016	0.010	0.010	-0.018	-0.025	-0.010	0.12
CRX14018	0.015	0.010	-0.021	-0.029	-0.010	0.12
CRX16020	0.015	0.010	-0.021	-0.029	-0.025	0.12
CRX18022	0.015	0.010	-0.021	-0.029	-0.025	0.13
CRX20024	0.015	0.010	-0.024	-0.032	-0.025	0.13
CRX24028	0.020	0.010	-0.024	-0.036	-0.025	0.13
CRX30038	0.020	0.010	-0.027	-0.040	-0.05	0.14
CRX34038	0.025	0.010	-0.029	-0.040	-0.05	0.14
CRX40046	0.030	0.010	-0.029	-0.040	-0.05	0.15
CRX50056	0.040	0.010	0.032	-0.044	-0.05	0.16

测量而得到的最大直径和最小直径的算术平均值。
注2: 在轴承内径的精度等级中, 无数值记载的地方, 其数值可以适用于下一级精度等级中的最高等级的数值



CRB、CRE、CRA、CRU 和SX 型的配合，建议选用表中的组合
Fit for models CRB/CRE/CRA/CRU and SX series

径向间隙(予压) Radial Clearance	使用条件 Service conditions		使用条件 Shaft
C0	内环旋转负荷 Inner Ring Rotational Load	普通负荷 Normal Loat	H5
		大冲击和力矩 Large Impact/moment	H5
	外环旋转负荷 Outer Ring Rotational Load	普通负荷 Normal Loat	G5
		大冲击和力矩 Large Impact/moment	G5
C1	内环旋转负荷 Inner Ring Rotational Load	普通负荷 Normal Loat	J5
		大冲击和力矩 Large Impact/moment	K5
	外环旋转负荷 Outer Ring Rotational Load	普通负荷 Normal Loat	G5
		大冲击和力矩 Large Impact/moment	H5

注)对于用于C00间隙的配合，要避免相互干扰，否则会导致过高的予压。当选择的间隙C00是用于机器人的关节或旋 转部 位时，此时选用的配合，建议应为g5和H7的组合。

Note: For the fit for clearance CC0, avoid an interference because it will cause an excessive preload. As for the fit when you have selected clearance CCOfor thejoints or swiveling unit of a robot, the combination of g5 and H7 is recommended.

螺栓数量与螺栓尺寸

Number And Size Of Bolts

外 环 外径D (mm)	螺栓数量	螺栓规格
100以下	8 (含) 以上	M3～M5
100～200	12 (含) 以上	M4～M8
200～500	16 (含) 以上	M5～M12
500以上	24 (含) 以上	M6～

锁附螺栓扭力值

Torque Value Of Locking Bolt

螺栓规格	扭力值 (N~m)	螺栓规格	扭力值 (N~m)
M3	2	M10	70
M4	4	M12	120
M5	9	M16	200
M6	14	M20	390
M8	30	M22	530

交叉滚子轴承的安装

必须去除连接部件的孔和边缘的毛刺。轴承套圈的支撑表面必须清洁。在轴承套圈相邻结构轴承配合面和定位表面上涂抹少许润滑油或润滑脂。为避免改变螺栓的摩擦系数，在固定螺栓的螺纹上涂抹少许润滑油(采用胶粘剂防松的螺栓，不要涂抹润滑油或润滑脂)。确保所有相邻的零件和润滑管道不受清洗剂，溶剂和洗涤乳化液影响。避免轴承配合面锈蚀或滚道系统可能的污染。安装时只能对轴承套圈施加安装力，决不能直接对滚动体和密封施加力。避免直接敲打轴承内外圈化连续定位轴承套圈并没有任何外来载荷的作用。外圈是剖分式的并由三个夹紧环固定图9。夹紧环严禁承受拉伸载荷。

Installation Procedure

The holes and edges of the connection parts must be removed. The support surface of the bearing circle must be cleaned. Apply a little lubricating oil or grease on the surface of adjacent structure bearing of the bearing rings and the positioning surface. To avoid changing the friction coefficient of the bolt, apply a little on the thread of fixed bolts Lubricating oil (using adhesives to prevent loose bolts, do not apply lubricating oil or fat). Ensure that all adjacent parts and lubrication pipes are not affected by cleaning agents, solvents and washing emulsion. Avoid the possible pollution of the bearing with rust or the roller system. When installing, you can only apply installation power to the bearing circle, and you must not directly apply the rolling body and sealing force. Avoid the internal and external circles of the bearing bearing Continuous positioning of the bearing circle does not have any external load. The outer ring is sectional and fixed by three clamps. The clamping ring is strictly prohibited to withstand the stretch load.

轴承外圈的固定

安装套圈，图1：

- 先将轴承外圈放入或者压入外部相邻结构中
- 定位外部夹紧垫圈
- 将固定螺栓插入夹紧垫圈中并按给定拧紧力矩MA分步拧紧螺栓
- 按照十字交叉顺序拧紧螺栓，避免螺栓张力过大波动
- 拧紧力矩MA对于固定螺栓。

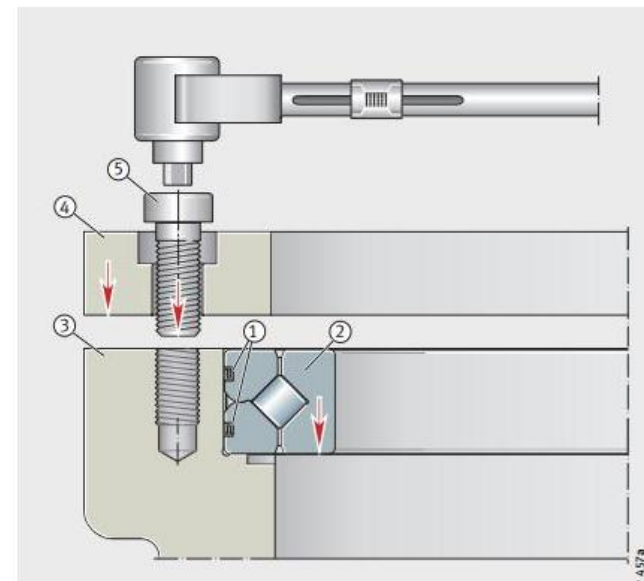


图1

Installation, Figure 1: 1:

- Put the bearing outer ring in the outer ring or press it into the external adjacent structure
- Positioning the external clamping ring
- Insert the fixed bolt into the clamping cushion ring and press the fixed tightening tone MA to tighten the bolt step by step
- Tighten the bolt in the cross sequence of cross to avoid excessive fluctuations of bolt tension
- Tighten the torque MA for fixed bolts.

轴承内圈的固定

安装套圈，图2：

- 将轴承放入内部相邻结构
- 定位内部夹紧垫圈
- 将固定螺栓插入夹紧垫圈中并按给定拧紧力矩MA分步拧紧螺栓
- 按照十字交叉顺序拧紧螺栓，避免螺栓张力过大波动

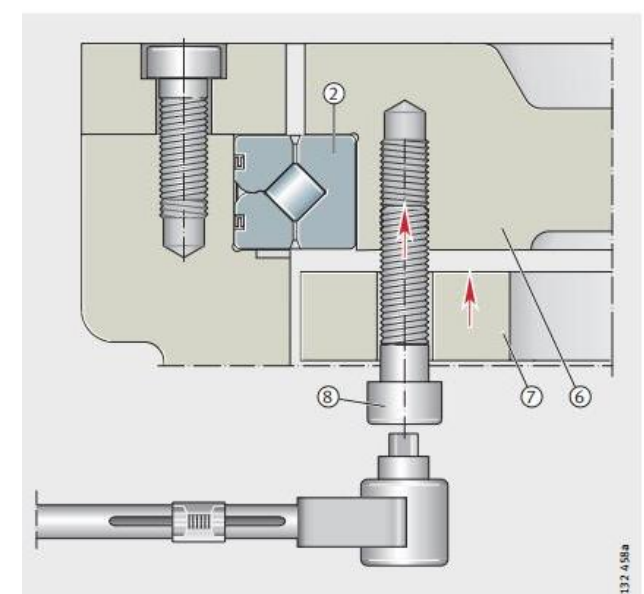
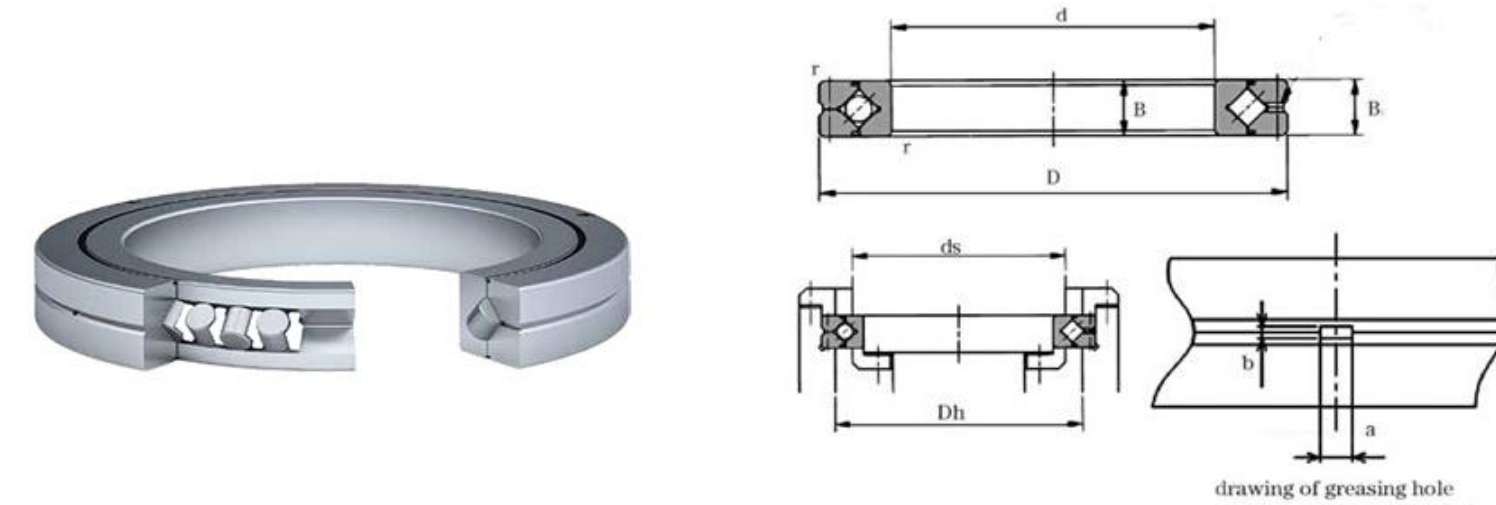


图2

Install the package, Figure 2:

- Put the bearings into the internal adjacent structure
- Positioning the internal clamping cushion ring
- Insert the fixed bolt into the clamping cushion ring and press the fixed tightening tone MA to tighten the bolt step by step
- Tighten the bolt in the cross sequence of cross to avoid excessive fluctuations of bolt tension

CRB 系列/CRB Series



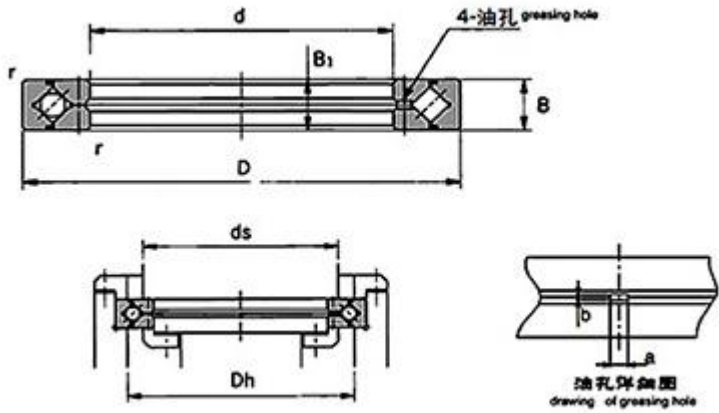
CRB 系列薄壁交叉滚子轴承(外圈分割型)的内外圈尺寸被最大限度的小型化，其结构为外圈 是两个分割部分，内圈是一体的结构形式，最适合于要求内圈旋转精度高的地方。

CRB series of thin-walled cross-roller bearings (outer ring split type) of the inner and outer ring size is miniaturized maximum, the structure of the outer ring is the two segment, inner ring is a structure form one, most slited to the readirements of rotary precision inner high placos.

型号 Model number	主要尺寸 Main dimensions (mm)						靠肩尺寸 Shoulder Height		基本额定负荷(径向) Basic Load Rating (radial)		重量 Weight
	内径 Inner ring d	外径 Outer ring mm	滚子节圆直径 dp	宽度 Width B	油孔 Greasing hole	倒角 r (mm)	ds (mm)	Dh (mm)	C kN	Co kN	Kg
CRB2008	20	36	27	8	1	0.5	23.5	30.5	3.23	3.1	0.04
CRB2508	25	41	32	8	1	0.5	28.5	35.5	3.63	3.83	0.05
CRB3010	30	55	41.5	10	1	0.6	37	47	7.35	8.36	0.12
CRB3510	35	60	46.5	10	1	0.6	41	51.5	7.64	9.12	0.13
CRB4010	40	65	51.5	10	1	0.6	47.5	57.5	8.33	10.6	0.16
CRB4510	45	70	56.5	10	1	0.6	51	61.5	8.62	11.3	0.17
CRB5013	50	80	64	13	1.5	0.6	57.4	72	16.7	20.9	0.27
CRB6013	60	90	74	13	1.5	0.6	68	82	18	24.3	0.3
CRB7013	70	100	84	13	1.5	1	78	92	19.4	27.7	0.35
CRB8016	80	120	98	16	1.5	1	91	111	30.1	42.1	0.7
CRB9016	90	130	108	16	1.5	1.5	98	118	31.4	45.3	0.75
CRB10016	100	140	119.3	16	1.5	1.5	109	129	31.7	48.6	0.83
CRB10020		150	123	20	1.5	1.5	113	133	33.1	50.9	1.45
CRB11012	110	135	121.8	12	1.5	1	117	127	12.5	24.1	0.4
CRB11015		145	126.5	15	1.5	1	122	136	23.7	41.5	0.75
CRB11020		160	133	20	1.5	1.5	120	143	34	54	1.56
CRB12016	120	150	134.2	16	1.5	1.5	127	141	24.2	43.2	0.72
CRB12025		180	148.7	25	2	1	133	164	66.9	100	2.62

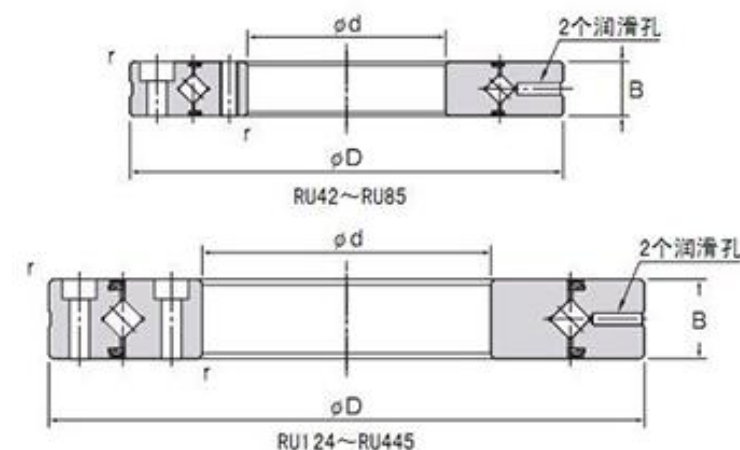
型号 Model number	主要尺寸 Main dimensions (mm)						靠肩尺寸 Shoulder Height		基本额定负荷(径向) Basic Load Rating (radial)		重量 Weight
	内径 Inner ring d	外径 Outer ring D	滚子节圆直径 dp	宽度 width B B1	油孔 Greasing hole	倒角 r (min)	ds (mm)	Dh (mm)	C kN	Co kN	Kg
CRB14016	140	175	154.8	16	1.5	2	147	162	25.9	50.1	1
CRB14025		200	168	25	2	1.5	154	185	74.8	121	2.96
CRB15013	150	180	164	13	1.5	2	157	172	27	53.5	0.68
CRB15025		210	178	25	2	1	164	194	76.8	128	3.16
CRB15030		230	188	30	3	2	173	211	100	156	5.3
CRB16025	160	220	188.6	25	2	2	173	204	81.7	135	3.14
CRB17020	170	220	191	20	1.5	2	184	198	29	62.1	2.11
CRB18025	180	240	210	25	2	2	195	225	84	143	3.44
CRB19025	190	240	211.9	25	1.5	2	202	222	41.7	82.9	2.99
CRB20025	200	260	230	25	2	2.5	215	245	84.2	157	4
CRB20030		280	240	30	3	2.5	221	258	114	200	6.7
CRB20035		295	247.7	35	3	2.5	225	270	151	252	9.6
CRB22025	220	280	250.1	25	2	2.5	235	265	92.3	171	4.1
CRB24025	240	300	269	25	2	3	256	281	68.3	145	4.5
CRB25025	250	310	277.5	25	2	3	265	290	69.3	150	5
CRB25030		330	287.5	30	3	3	269	306	126	244	8.1
CRB25040		355	300.7	40	3.5	3	275	326	195	348	14.8
CRB30025	300	360	328	25	2	3	315	340	76.3	178	5.9
CRB30035		395	345	35	3	3	322	368	183	367	13.4
CRB30040		405	351.6	40	3.5	3	326	377	212	409	17.2
CRB35020	350	400	373.4	20	1.5	3.5	363	383	54.1	143	3.9
CRB40035	400	480	440.3	35	3	3.5	422	459	156	370	14.5
CRB40040		510	453.4	40	3.5	1.5	428	479	241	531	23.5
CRB45025	450	500	474	25	1.5	1.5	464	484	61.7	182	6.6
CRB50025	500	550	524.2	25	1.5	1.5	514	534	65.5	201	7.3
CRB50040		600	548.8	40	3	3.5	526	572	239	607	26
CRB50050		625	561.6	50	3.5	3.5	536	587	267	653	41.7
CRB60040	600	700	650	40	3	4	627	673	264	721	29
CRB70045	700	815	753.5	45	3	4	731	777	281	836	46
CRB80070	800	950	868.1	70	4	5	836	900	468	1330	105
CRB90070	900	1050	969	70	4	5	937	1001	494	1490	120
CRB1000110	1000	1250	1114	110	6	6	1057	1171	1220	3220	360
CRB1250110	1250	1500	1365.8	110	6	6	1308	1423	1350	3970	440

CRE系列/CRE Series



CRE 系列薄壁交叉滚子轴承（内圈分割型）其结构为内圈是两个分割部分，外圈是一体的结构形式，最适合于要求外圈旋转精度高的地方。
CRE series of thin-walled cross-roller bearings (inner split) the structure of the inner ring is the two segment, the outer ring is one of the most suitable structure form, in areas of high rotation precision outer ring.

对应 型号	主要尺寸 Main dimensions (mm)						靠肩尺寸 Shoulder Height		基本额定负荷(径向) Basic Load Rating (radial)		重量 Weight
	内径	外径 Outer ring	滚子节圆直径 dp	宽度 width B B1	油孔 Greasing hole	倒角 r (min)	ds (mm)	Dh (mm)	C kN	Co kN	Kg
CRE4010	40	65	53.5	10	1.5	1	47.5	58	8.33	10.6	0.16
CRE4510	45	70	58.5	10	1.5	1	51	61.5	8.62	11.3	0.17
CRE5013	50	80	66	13	1.5	1	57.5	72	16.7	20.9	0.27
CRE6013	60	90	76	13	1.5	1	68	82	18	24.3	0.3
CRE7013	70	100	86	13	1.5	1	78	92	19.4	27.7	0.35
CRE8016	80	120	101.4	16	1.5	1	91	111	30.1	42.1	0.7
CRE9016	90	130	112	16	1.5	1.5	98	118	31.4	45.3	0.75
CRE10016	100	140	121.1	16	1.5	1.5	109	129	31.7	48.6	0.83
CRE10020		150	127	20	1.5	1.5	113	133	33.1	50.9	1.45
CRE11012	110	135	123.3	12	1.5	1	117	127	12.5	24.1	0.4
CRE11015		145	129	15	1.5	1	122	136	23.7	41.5	0.75
CRE11020		160	137	20	1.5	1.5	120	140	34	54	1.56
CRE12016	120	150	136	16	1.5	1	127	141	24.2	43.2	0.72
CRE12025		180	152	25	2	2	133	164	66.9	100	2.62
CRE13015	130	160	146	15	1.5	1	137	152	25	46.7	0.72
CRE13025		190	162	25	2	2	143	174	69.5	107	2.82
CRE14016	140	175	160	16	1.5	1.5	147	162	25.9	50.1	1
CRE14025		200	172	25	2	2	154	185	74.8	121	2.96

RU/XRU/CRBF 型 RU/XRU/CRBF Series

旋转精度：轴承中垂直排列的滚子间装有隔离块，防止了滚子的倾斜和滚子之间的相互摩擦，减小了旋转力矩。另外，与以前使用钢板保持器相比，不会发生滚子在一方接触现象或锁死现象。同时，因内圈（或外圈）是两分割的构造，轴承间隙可调整，即使被施加预载，也能获得高精度地旋转运动。

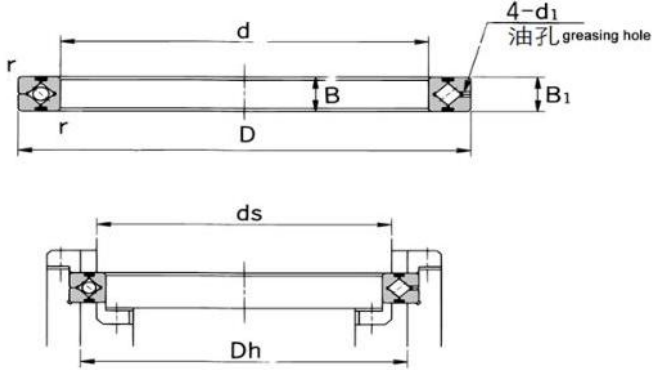
型号 Model Number	主要尺寸 Main Dimensions (mm)					靠肩尺寸 Shoulder Height		基本额定 负 荷 (径向) Basic load Rating (rad ial)		重量 Weight
	内径 Inner Ring d	外径 Outer Ring D'	滚子节 圆直径 dp	宽度 width B B1	倒角 r (min)	ds (mm)	Dh (mm)	C kN	Co kN	Kg
CRU42	20	70	41.5	12	0.6	37	47	7.35	8.35	0.29
CRU66	35	95	66	15	0.6	59	74	17.5	22.3	0.62
CRU85	55	120	85	15	0.6	79	93	20.3	29.5	1
CRU124 (G) CRU124	80	165	124	22	1	114	134	33.1	50.9	2.6
CRU124X										
CRU148 (G) CRU148	90	210	147.5	25	1.5	133	162	49.1	76.8	4.9
CRU148X										
CRU178 (G) CBRU178	115	240	178	28	1.5	161	195	80.3	135	6.8
CRU178X										
CRU228 (G) CRU228	160	295	227.5	35	2	208	246	104	172	11.4
CRU228X										
CRU297 (G) CRU297	210	380	297.3	40	2.5	272	320	156	281	21.3
CBRU297X										

Structural features: crossed roller bearing, is a cylindrical roller in the 90° V-shaped groove rolling surface through isolation blocks are arranged perpendicular to each other, so crossed roller bearings can withstand radial load, axial load and moment load and other multi-directional loads. The size of the inner and outer rings is miniaturized, and the extremely thin form is close to the extreme small size, and has high rigidity, and the accuracy can reach P5, P4, and P2 levels. Therefore, it is suitable for industrial robots joints and rotating parts, rotating tables of machining centers, precision rotary tables, medical machines, calculators, military industries, IC manufacturing equipment and other equipment.

Rotational accuracy: The vertically arranged rollers in the bearing are equipped with isolation blocks, which prevent the tilt of the rollers and the mutual friction between the rollers, and reduce the rotational torque. In addition, compared to the previous use of steel plate retainers, there is no roller contact on one side or locking phenomenon. At the same time, because the inner ring (or outer ring) is a two-split structure, the bearing gap can be adjusted, and even if a preload is applied, high-precision rotational motion can be obtained.

型号 Model number	安装孔尺寸 Relation between the mounting holes (mm)			
	内 圈 inner ring		外 圈 outer ring	
	PCD1	安 装 孔 mounting holes	PCD2	安 装 孔 mounting holes
CRU42	28	6-M3 贯通 6-M3 through	57	6- φ3.4贯通, φ6.5衬孔深度3.3 6- φ3.4 through, φ6.5 counterbore depth 3.3
CRU66	45	8-M4贯通8-M4 through	83	8- φ4.5贯通, φ8衬孔深度4.4 8- φ4.5 through, φ8 counterbore depth 4.4
CRU85	65	8-M5 贯通 8-M5 through	105	8- φ5.5贯通, φ9.5衬孔深度5.4 8- φ5.5 through, φ9.5 counterbore depth 5.4
CRU124(G) CRU124	97	10- φ5.5贯通, φ9.5衬孔深度5.4 10- φ5.5 through, φ9.5 counterbore depth 5.4	148	10- φ5.5贯通, φ9.5衬孔深度5.4 10- φ5.5 through, φ9.5 counterbore depth 5.4
CRU124X		10-M5 贯通 10-M5 through		
CRU148(G) CRU148	112	12- φ9贯通, φ14衬孔深度8.6 12- φ9 through, φ14 counterbore depth 8.6	187	12- φ9贯通, φ14衬孔深度8.6 12- φ9 through, φ14 counterbore depth 8.6
CRU148X		12-M8 贯通 12-M8 through		
CRU178(G) CRU178	139	12- φ9贯通, φ14衬孔深度8.6 12-49 through, φ14 counterbore depth 8.6	217	12- φ9贯通, φ14衬孔深度8.6 12- φ9 through, φ14 counterbore depth 8.6
CRU178X		12-M8 贯通 12-M8 through		
CRU228(G) CRU228	184	12- φ11贯通, φ17.5衬孔深度10.8 12- φ11 through, φ17.5 counterbore depth 10.8	270	12- φ11贯通, φ17.5衬孔深度10.8 12- φ11 through, φ17.5 counterbore depth 10.8
CRU228X		12-M10 贯通 12-M10 through		
CRU297(G) CRU297	240	16- φ14贯通, φ20衬孔深度13 16- φ14 through, φ20 counterbore depth 13	350	16- φ14贯通, φ20衬孔深度13 16- φ14 through, φ20 counterbore depth 13
CRU297X		16-M12 贯通 16-M12 through		
CRU445(G) CRU445	385	24- φ14贯通, φ20衬孔深度13 24- φ14 through, φ20 counterbore depth 13	505	24- φ14贯通, φ20衬孔深度13 24- φ14 through, φ20 counterbore depth 13
CRU445X		24-M12 贯通 24-M12 through		

CRA 系列
CRA Series

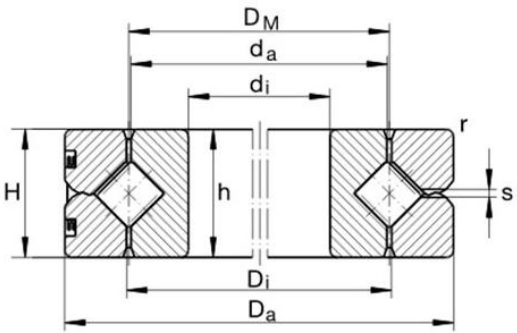


CRA 系列薄壁交叉滚子轴承(外圈分割型)是将外圈和内圈的壁厚做的很薄的小型轻量的交叉滚子轴承，既小型有能承受较重负荷，因此设备上轴承的安装部位都可以轻量化，最适合于机器人的手部等旋转关节部位，外圈是两个分割的结构，用螺钉固定后成为非分开结构形式。

CRA series of thin-walled cross-roller bearings (outer ring split type) is the outer ring and the inner ring wall thickness do cross roller bearings of small volume is very thin, not only a small can bear heavier load, so the installation position of the equipment on the bearings can be lightweight, rotary joints are most suitable for the robot hand. The outer ring is two, divided structure, fixed with screws into non separated structure

轴径	型号	主要尺寸							基本的额定负荷(径向)		重量 Kg
		内径 d	外径 D	滚子节圆 直径dp	宽度 B B1	油孔			C kN	C0 kN	
						a	b	r			
50	CRA 5008	50	66	57	8	2	0.8	0.8	5.10	7.19	0.08
60	CRA 6008	60	76	67	8	2	0.8	0.8	5.68	8.68	0.09
70	CRA 7008	70	86	77	8	2	0.8	0.8	5.98	9.8	0.1
80	CRA 8008	80	96	87	8	2	0.8	0.8	6.37	11.3	0.11
90	CRA 9008	90	106	97	8	2	0.8	0.8	6.76	12.4	0.12
100	CRA 10008	100	116	107	8	2	0.8	0.8	7.15	13.9	0.16
110	CRA 11008	110	126	117	8	2	0.8	0.8	7.45	15.0	0.15
120	CRA 12008	120	136	127	8	2	0.8	0.8	7.84	16.5	0.17
130	CRA 13008	130	146	137	8	2	0.8	0.8	7.94	17.6	0.18
140	CRA 14008	140	156	147	8	2	0.8	0.8	8.33	19.1	0.19
150	CRA 15008	150	166	157	8	2	0.8	0.8	8.82	2.06	0.2
160	CRA 16013	160	186	172	13	2.5	1.6	1.2	23.3	44.9	0.59
170	CRA 17013	170	196	182	13	2.5	1.6	1.2	23.5	46.5	0.64
180	CRA 18013	180	206	192	13	2.5	1.6	1.2	24.5	49.8	0.68
190	CRA 19013	190	216	202	13	2.5	1.6	1.2	24.9	51.5	0.69
200	CRA 20013	200	226	212	13	2.5	1.6	1.2	25.8	54.7	0.71

Sx 系列/Sx Series



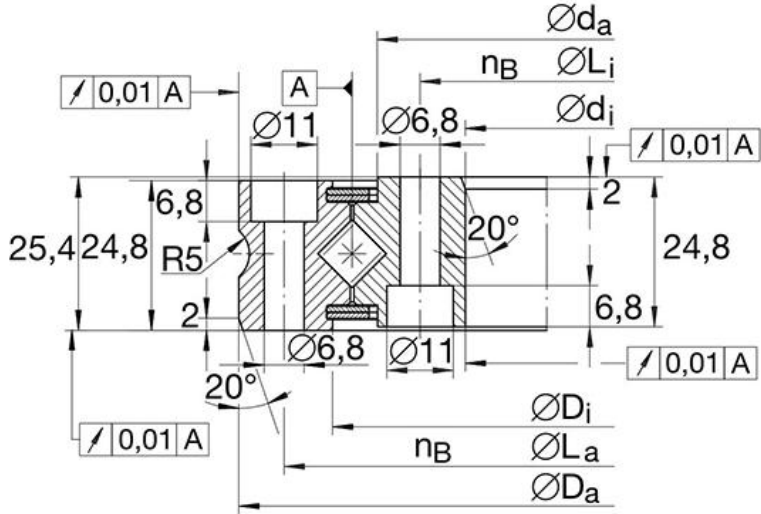
SX 系列圆柱交叉滚子轴承结构和CRB 系列交叉滚子轴承类似，2半外圈通过卡簧牢固的联系在一起。 具有较高的旋转精度。

CRX series of cylindrical cross roller bearing structure and CRB series of crossed roller bearing outer ring of 2 similar haifthrough the spring solid contact card. Rotary with high precision。

型号 Identifica tion numbe	主要尺寸 Main dimensions						靠肩尺寸 shoulder height		基本的额定负荷轴向 Basic lod rating (axiall)		基本的额定负荷轴向 Basic load rating(axial)		重量 weight
	内径 inner rin d	外径 outer ring D	滚子节圆直径 Roller pitch circle diameter dp	宽 度 width B Bl	油孔 Greasing hole	r	de	Di	Ca kN	COa kN	Cr kN	Cor kN	Kg
SX011814	70	90	80	q0	1.2	0.6	79.5	80.5	15.4	51	11	20	0.3
SX011818	90	115	102	13	1.2		101.5	102.5	26	91	18	37	0.4
SX011820	100	125	112	13	1.2	1	311.5	112.5	28	102	19	41	0.5
SX011824	120	150	135	16	1.5		1344	135.6	41	146	27	59	0.8
SX011828	140	175	157	18	1.5	1.1	156.3	157.7	64	240	45	96	1.1
SX011832	160	200	180	20	1.5	1.1	179.2	180.8	69	275	49	111	1.7
SX011836	180	225	202	22	2	1.1	201.2	202.8	96	381	69	153	2.3
SX011840	200	250	225	24	2	1.5	224.2	225.8	102	425	72	170	3.1
SX011848	240	300	270	28	2	2	269.2	270.8	148	640	105	255	5.3
SX011860	300	380	340	38	2.5	2.1	339.2	340.8	243	1070	173	425	12
SX011868	340	420	380	38	2.5	2.1	379.2	380.8	260	1220	185	485	13.5
SX011880	400	500	450	46	2.5	2.5	449	451	385	1800	275	720	24
SX0118/500	500	620	560	56	2.5	3	558.8	561.2	560	2750	395	1100	44

RB、RE、RA、RU、CRB、CRBC和SX型的 配合， 建议选用表 中的组合
Fit for models RB,RE,CRB,CRBC and SX series

XSU 型(内外环 一体型)

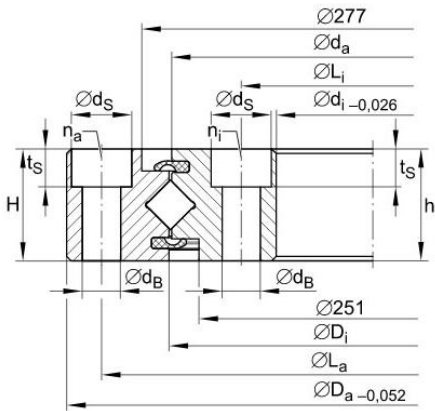


XSU 型交叉滚子轴承（内 、外环一体型）此系列型号 由于 已进行 了安装孔的加工，就不需要固定法兰和支撑座。另外， 由于采用带座 的的一体化内外环结构， 安装对性能几乎没有影响， 因此能够获得稳 定的旋转精度和扭矩。能用于外环和内环旋转。

XSU -type cross -rolling bearing (inner, outer ring integrated type) This series of models does not require fixed flanges and support seats because they have been installed. In addition, because the integrated internal and external ring structure of the belt is used, installation can have little effect on sex, so it can obtain a stable rotation accuracy and torque. Can be used for rotation of the outer ring and inner ring.

轴径 shaft diamete	型号 Identifica tion numbe	主要尺寸 Main dimensions					基本的额定负荷 (轴向) Basicload rating (axial)		基本的额定负荷 (径向) Basicload rating(radial)		最大转速 Limiting speed	重量 weight
		内径 inner ring d	外径 outer ring D	宽度 width B Bl	安装孔	倒角 r (mm)	Ca kN	COa kN	Cr kN	Cor kN	R/min	Kg
130	XSU080168	130	205	25.4	12	1.1	66	240	42	96	227	3.3
150	XSU080188	150	225	25.4	16	1.1	71	275	46	110	203	3.7
180	XSU080218	180	225	25.4	20	1.1	77	315	49	127	175	4.3
220	XSU080258	220	295	25.4	24	1.5	84	375	54	151	148	5.1
280	XSU080318	280	355	25.4	28	1.5	93	465	59	185	120	6.3
360	XSU080398	360	435	25.4	36	2	106	590	68	236	96	7.8

Xu 系列 Xu Series

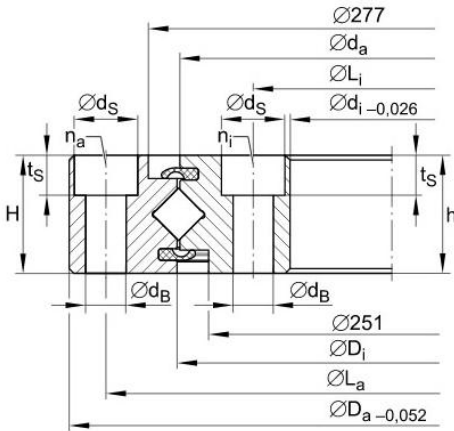


此系列型号 由于 已进行了安装孔 的加工，就不需要 固定法兰和支撑座 。另 外， 由于采 用带座 的的一体化 内外环结构， 安装对性能 几乎没有影响， 因此能够获 得稳定的旋 转精度和 扭矩。能用于 外环和内环 旋转。

This series model does not require fixed flanges and support seats because of the processing of installation holes. In addition, because the integrated internal and external ring structure of the belt is used, installation has little effect on performance, so it can obtain a stable rotation accuracy and torque. Can be used for rotation of the outer ring and inner ring.This series model does not require fixed flanges and support seats because of the processing of installation holes.

型号 Identifica tion numbe	主要尺寸 Main dimensions								基本的额定负荷 (轴向) Basic load rating [axial]		基本的额定负荷 (径向) Basic load rating [radial]		重量 weight
	内径 inner ring d	外径 outer ring D	子节	宽度 width BB1	外 圈 孔 中心 距 La	安装孔 φna	外 围 孔 中心 距 Li	安装孔 φni	Ca kN	C0a kN	Cr kN	Cor kN	Kg
XU050077	40	112	77	22	97	6- φ6.6	56	6-M8	22,4	29	14.3	14.2	1.4
XU060094	57	140	94	26	120	6- φ9	70	6-M8	32.5	37.5	20.7	18.4	2.4
XU060111	76.2	145.79	111	15.87	133.1	8- φ6.9	88.9	8- φ6.9	36	44.5	22.8	21.5	1.2
XU080120	69	170	120	30	148	6- φ9	90	6-M8	56	53	35.5	26	4
XU080149	101.6	196.85	149.6	22.22	177.8	16- φ6.9	115.8	16- φ6.9	63	66	40	32.5	3.6
XU120179	24.5	234	179	35	214	12- φ1	144.5	12- φ11	118	179	75	88	7
XU120222	140	300	222	36	270	12-M16	170	12- φ18	133	275	85	131	12
XU160260	191	329	260	46	305	20- φ14	215	20- φ14	212	350	135	173	16
XU080264	215.9	311	264	25.4	295.3	12- φ8.7	231.8	12- φ8.	85	117	54	57	6.9
XU160405	336	474	405	46	450	30- φ14	360	30- φ14	270	550	172	270	25
XU080430	380	480	430	26	462	20- φ9	398	20-M10	110	280	70	138	12
Xu300515	384	646	515	86	598	18- φ26	432	18- φ26	720	1370	455	670	

XV系列/XV Series

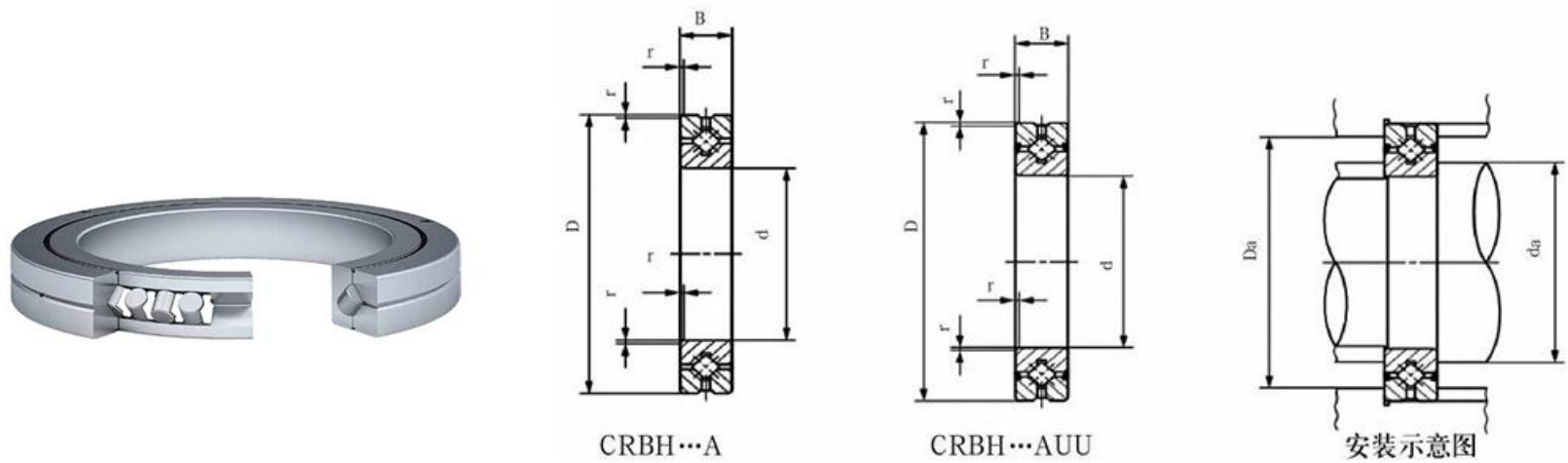


Xv 型交叉滚子轴承（内环分割型、外环旋转用）此系列是德国 INA 的标准型。其构造是内环是分割型，外环是一体设计并带安装孔便于安装，适合于要求外环旋转精度高的部位。

XV -type cross -rolling bearing (inner ring segmentation type, outer ring rotation) This series is the standard type of German INA. Its structure is that the inner ring is a division, the outer ring is designed and equipped with installation holes for easy installation. It is suitable

系列	型号	主要尺寸				外圈安装孔		内圈安装孔		基本的额定负荷 (轴向)		基本的额定负荷 (径向)		重量
		内径 d (mm)	外径 D (mm)	滚子节圆 直径dp (mm)	厚度 B (mm)	中心距 φLa	数量 na	中心距 φLi	数量 ni	Ca kN	C0a kN	Cr kN	Cor kN	Kg
XV	XV30	30	75	42	14	600	12		—	12.2	28	8.7	11.2	0.37
	XV40	40	85	52	14	70	12			14.2	36.5	10.1	14.6	0.44
	XV50	50	100	64	16	85	12			21.5	57	15.3	22.8	0.67
	XV60	60	110	74	16	95	16	—		23.4	67	16.7	27	0.75
	XV70	70	120	84	16	105	16	—	—	24.5	74	17.4	29.5	0.84
	XV80	80	135	95	18	120	16	—	—	33.5	101	23.9	40.5	1.18
	XV90	90	145	105	18	130	16	—	—	35	111	25	44.5	1.29
	XV100	100	170	117	22	150	16	—	—	54	163	38.5	65	2.31
	Xv110	110	180	127	22	160	16		—	57	180	40.5	72	2.48

CRBH series (inner and outer ring one body type)



结构特点：交叉滚子轴承，是圆柱滚子在呈90°的V形沟槽滚动面上通过隔离块被相互垂直地排列，所以交叉滚子轴承轴向负荷及力矩负荷等多方向的负荷。内外圈的尺寸被小型化，极薄形式更是接近于并且具有高钢性，且精度可达到P5、P4、P2级。因此适合于工业机器人的关节部和旋心的旋转台，精密旋转工作台、医疗机器、计算器、军工、IC制造装置等设备。

旋转精度：轴承中垂直排列的滚子间装有隔离块，防止了滚子的倾斜和滚子之间的相互摩擦，减小了旋转力矩。另外，与以前使用钢板保持器相比，不会发生滚子在一方接触现象或锁死现象。同时，因内圈（或外圈）是两分割的构造，轴承间隙可调整，即使被施加预载，也能获得高精度地旋转运动。

轴径 shaft diamete	型号 Identifica tion numbe		主要尺寸 Main dimensions				装 寸 Mounting dimensions mm		基本额定动载荷 Basic dynamic load rating	基本额定静载荷 Basic static load rating	重量 weight
			内径 inner ring d	外径 outer ring D	宽度 width B B1	r min	da	Da	C kN	Co kN	Kg
100	CRBH10020A	CRBH10020AUU	100	150	20	0.6	110	140	50.9	72.2	1.45
110	CRBH11020A	CRBH11020AUU	110	160	20	0.6	120	150	52.4	77.4	1.56
120	CRBH12025A	CRBH12025AUU	120	180	25	1	132	168	73.4	108	2.62
130	CRBH13025A	CRBH13025AUU	130	190	25	1	142	178	75.9	115	2.82
140	CRBH14025A	CRBH14025AUU	140	200	25	1	152	188	81.9	130	2.96
150	CRBH15025A	CRBH15025AUU	150	210	25	1	162	198	84.3	138	3.16
200	CRBH20025A	CRBH20025AUU	200	260	25	1	212	248	92.3	169	4
250	CRBH25025A	CRBH25025AUU	250	310	25	1.5	262	298	102	207	4.97

交叉圆锥滚子轴承

Cross Tapered Roller Bearings

该类轴承具有两组滚道和滚子，相互呈直角组合，滚子交错相对。轴承的横截面高度与单列轴承相似，因此节省了空间和轴承座材料，大锥角和锥形几何设计使轴承总体有效跨距是轴承自身宽度的几倍。

交叉圆锥滚子能承受高倾覆力矩，适用于机床，包括立式镗床和磨床工作台、机床精密圆分度工作台、大型滚齿机、转塔、工业机器人等。

Cross Tapered roller bearing contains two sets of races and rollers brought together at high angles with alternate rollers facing in opposite directions. The height of cross section is similar to single-row bearing for conserving space and saving bearing housing material. And the steep-angle, tapered geometry results in a total effective bearing spread much greater than the width of the bearing itself.

It is able to withstand high overturning moments, and is optimal for machine tools, including vertical boring, grinding machines, precision circular dividing table, gear hobbing machine, turret and industrial robots.

设计和结构特点

Design Features

滚道和滚子构造上的线接触提供了最大旋转精度、高稳定性和更大的倾斜刚度。

预负荷的可调节设计延长了轴承寿命，在最大限度内加大了刚度并提供了最小跳动。

尼龙隔圈惯性较低，运行扭矩较小。

高的旋转精确度和刚度，大幅度节省材料成本。

轴承的夹角和锥形几何形状使得轴承有效跨度要比轴承本身的实际宽度大好几倍。

The line contact of races and rollers can offer high rotation accuracy, high stability and high rigidity.

The adjustment design of pro-load extend the bearing using life , increase the rigidity and reach the smallest runout

The nylon spacers has low inertia and small running torque .

High rotation accuracy and high rigidity, and conserving material costs.

The steep-angle, tapered geometry results in a total effective bearing spread much greater than the width of the bearing itself.

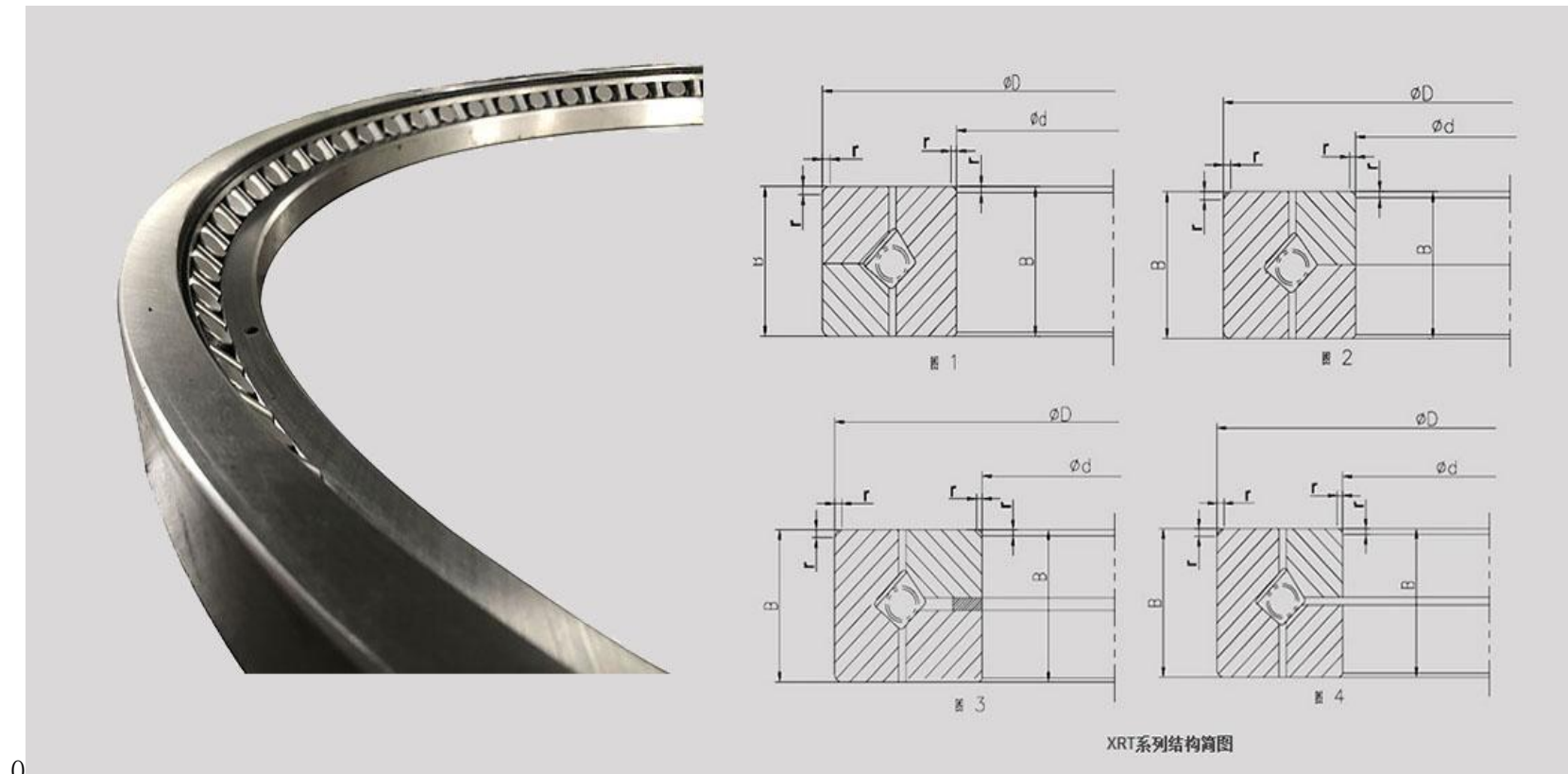
LYDZ轴承有限公司生产的圆锥交叉滚子轴承（XRT系列）的设计能在较小的空间内提供较高的旋转精确度和刚度，大幅度节省材料成本。这类轴承是将两套轴承滚道和滚子按直角十字交叉安装在一起，相邻滚子朝相反方向，滚子与滚子之间安装有隔离块，滚子上还装有支撑垫片，这使得滚子的两个半列容进同一空间内。轴承的夹角和锥形几何形状使得轴承有效跨度要比轴承本身的实际宽度大好几倍。

XRT系列轴承适用于高速机床应用，如立式镗床和立式磨床。也特别适用于许多空间有限，旋转精度要求较高的设备。

尺寸范围：

内径 101.600 mm 至 2463.800 mm (4.000 in. 至97.000 in.)

外径 279.400 mm至2819.400 mm (11.000 in. 至111.000 in.)



特点：

1、高精度交叉圆锥滚子轴承主要用途是满足轴向径向多向承载下的高精度回转需求。该轴承

的包括一个外圈，分体内圈和交叉排布的圆锥滚子。滚子是由尼龙隔离块分开。轴承滚道

内的呈X 排列圆锥滚子使其可以很好地承受轴向和径向载荷以及倾斜力矩，使轴承在尽量小的横截面上保持尽可能高的刚性，单个轴承可以实现

对传统组合轴承设计的替代。

2、圆锥形滚子可以有效地防止滚子和滚道之间的单向滑动，从而实现更长久的轴承使用寿命。

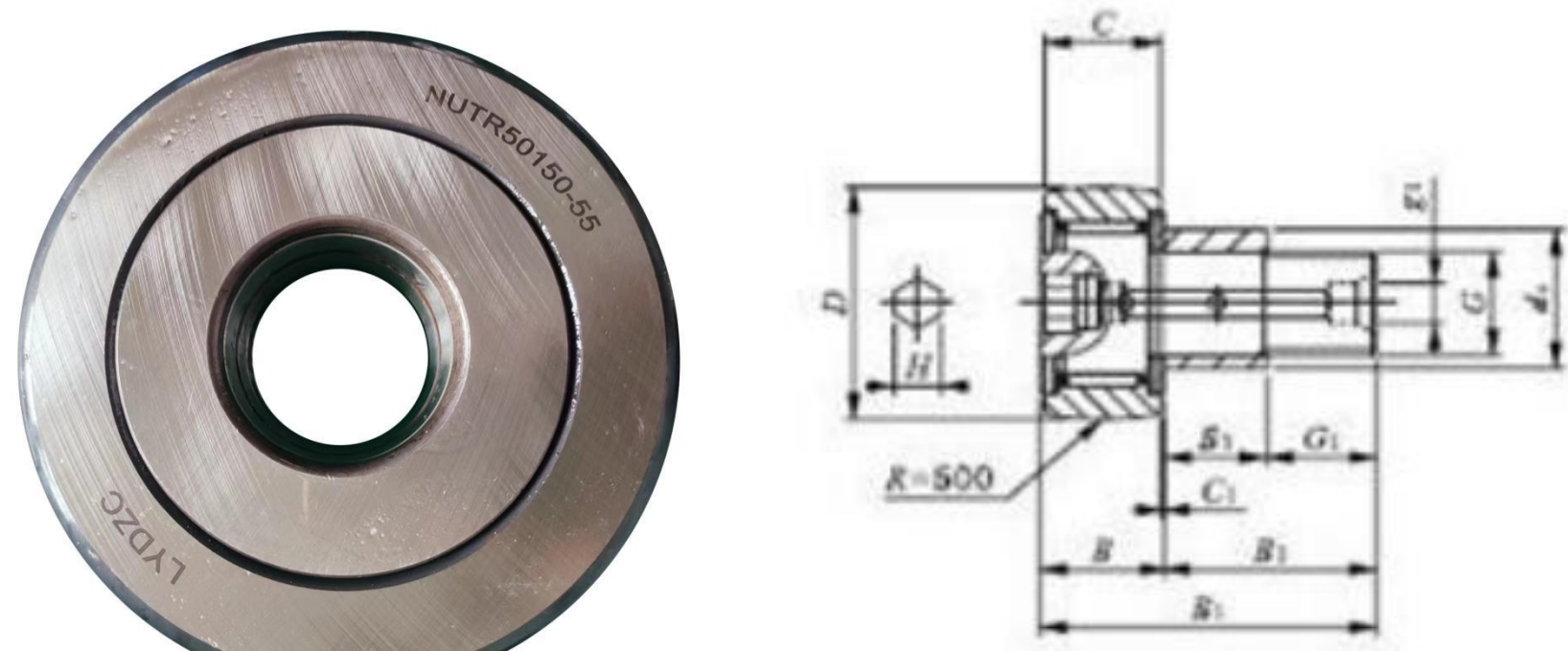
轴承的润滑是通过内圈之间的间隙进行，简单方便。

3、该轴承成品未进行装配，用户在使用时通过校准和预压，预付荷可调节设计最大限度的

保证了轴承刚性并保证了高回转精度。 BYC博盈轴承采用高品质轴承钢和特殊的热处理工艺，保证轴承的质量和寿命，能满足数控立车等精密回转设备的设计需求，轴承本身带有吊装孔，安装使用方便。

NUTR 圆锥交叉滚子轴承系列

NUTR Taper Cross Roller Bearing



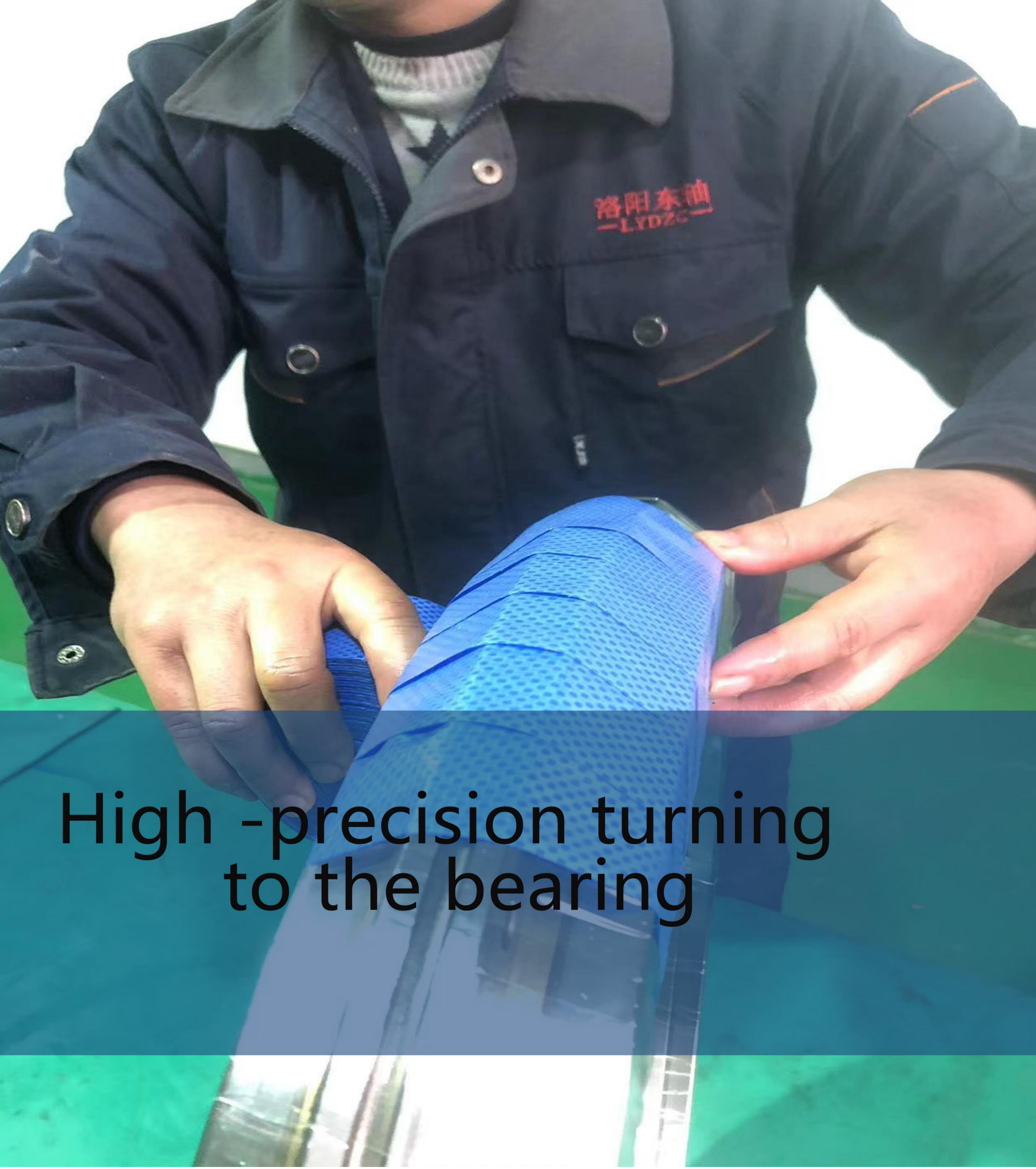
NRXT 型交叉滚子轴承的结构特点：交叉滚子轴承，是圆柱滚子在呈**90度**的V形沟槽滚动面上通过隔离块被相互垂直地排列，所以交叉滚子轴承可承受径向负荷、轴向负荷及力矩负荷等多方向的负荷。内外圈尺寸被小型化，极薄形式更是接近于极限的小型尺寸，并且具有高钢性，且精度可达到**P5、P4、P2**级。因此适合于工业机器人的关节部和旋转部、机械加工中心的旋转台，精密旋转工作台、医疗机器、计算器、军工、IC制造装置等设备。

The structural characteristics of the NRXT cross -roller bearings: Cross -rolling bearing, which is a cylindrical roller 90 degrees
The V -shaped groove rolling surface is arranged vertically through isolation blocks, so the cross roller Bearing can be inherited from multi -directional load such as radial load, axial load and torque load. Inner and outer circle
The size is miniaturized, the extremely thin form is close to the limit size, and it has high steel, and the accuracy can reach P5, P4, and P2 levels. Therefore, it is suitable for the joints of industrial robots and rotation departments, and the rotation table of the mechanical processing center, and the precision rotation workbench, medical machine, calculator, military industry, IC manufacturing device and other equipment.

系列	型号	主要尺寸						安装尺寸		基本额定载荷(径向)		重量
		内径 d (mm)	外径 D (mm)	滚子节直 dp (mm)	圆径 B (mm)	厚度 B (mm)	油孔	倒角 r (min)	ds	Dh	C kN	Co kN
NRXT	NRXT4010	40	65	51.5	10	1	0.6	47.5	57.5	8.33	10.6	0.16
	NRXT5013	50	80	64	13	1.5	0.6	57.4	72	16.7	20.9	0.27
	NRXT6013	60	90	74	13	1.5	0.6	68	82	18	24.3	0.3
	NRXT7013	70	100	84	13	1.5	1	78	92	19.4	27.7	0.35
	NRXT8016	80	120	98	16	1.5	1	91	111	30.1	42.1	0.7
	NRXT9016	90	130	108	16	1.5	1.5	98	118	31.4	45.3	0.75
	NRXT10020	100	150	123	20	1.5	1.5	113	133	33.1	50.9	1.45
	NRXT11020	110	160	133	20	1.5	1.5	120	143	34	54	1.56
	NRXT12025	120	180	148.7	25	2	y1	133	164	66.9	100	2.62
	NRXT13025	130	190	158	25	2		143	174	69.5	107	2.82
	NRXT14025	140	200	168	25	2	>1.5	154	185	74.8	121	2.96
	NRXT15025	150	210	178	25	2	1	164	194	76.8	128	3.16
	NRXT15030	150	230	188	30	3	2	173	211	100	156	5.3
	NRXT20030	200	280	240	30	3	2.5	221	258	114	200	6.7
	NRXT25025	250	310	277.5	25	2	3	265	290	69.3	150	5
	NRXT25030	250	330	287.5	30	3	3	269	306	126	244	8.1
	NRXT30025	300	360	328	25	2	3	315	340	76.3	178	5.9
	NRXT30035	300	395	345	35	3	3	322	368	183	367	13.4
	NRXT30040	300	405	351.6	40	3.5	3	326	377	212	409	17.2
	NRXT40035	400	480	440.3	35	3	3.5	422	459	156	370	14.5
	NRXT40040	400	510	453.4	40	3.5	1.5	428	479	241	531	23.5
	NRXT50040	500	600	548.8	40	3	3.5	526	572	239	607	26
	NRXT50050	500	625	561.6	50	3.5	3.5	536	587	267	653	41.7
	NRXT60040	600	700	650	40	3	4	627	673	264	721	29

This type of bearing has two groups of rollers and rollers, which are combined with right - angle, and the roller is staggered. The height of the horizontal cross section of the bearing is similar to the single -column bearing, so the space and bearing seat materials are saved. The large cone angle and conical geometric design makes the overall span of the bearing is several times the width of the bearing itself. Cross -cone roller can withstand high full -scale torque, suitable for machine tools, including vertical beds and grinding Bed workbench, machine tool precision circle score workbench, Large -scale teeth machines, turning towers, industrial robots, etc.

Series	Model Number	Main dimensions (mm)				Basic dynamic Load rating		timiting speed oilr/m	Weight (Kg)	Exchange model			
		Inner ring d (mm)	Outer ring D (mm)	Width B (mm)	Chamfer r (min)	Radial Cr (KN)	Axial Ca (KN)			SKF	NACHI	URB	PSL
XR/ JXR	XR496051	203.2	279.4	31.75	1.5	41	49.2	800	6.5	61609		1	1
	XR678052	330.2	457.2	63.5	3	80	98.4	620	35	6156	300XRN50	1	PSL912-309A
	XR766051	457.2	609.6	63.5	3	106	133	520	51	615894A	0457XRN060	X0. 10. 0457 P5	PSL912-308A
	XR820060	580	760	80	5	106	209	300	100	615624	580XRN76	XD. 10. 0580 P5	PSL912-304A
	XR855053	685.8	914.4	79.375	3	180	224	260	150	61565A	0685XRN091	XD. 10. 0686 P5	PSL912-305A
	XR882055	901.7	1117.6	82.55	3	225	297	200	185	615995	0901XRN112	XD. 10. 0902 P5	PSL912-306A
	XR889058	028.7	1327.15	114.3	3	283	374	160	400	BFKB353282H A4	1028XRN132	XD. 10. 1029 P5	PSL912-307A
	XR897051	549.4	1828.8	101.6	3	326	489	80	500	615998A	1	XD. 10. 1549 P5	1
	JXR63705 0	300	400	37	1.5	47.2	60	720	13	1	1	1	1
	JXR65205 0	310	425	45	2.5	61.6	76.5	640	20	1	1	1	
JXR69905 0	370	495	50	3	70.2	89.2	600	30	1	1	1		



高精度转台轴承

High -precision turning to the bearing

高精度工业机器人专用轴承

High -precision turning
to the bearing

YRT转台轴承

YRT Rotary Table Bearing

轴 向/径 向 轴承YRT

YRT 转台轴承由一个推力/向心座圈， 一个推力/向心轴圈， 一个推力垫圈，两个滚针保持架组件和一组向心圆柱滚子组成。座圈和轴圈有均布的安装用螺钉孔。该型轴承具有高轴向和径向承载能力。高倾斜刚度和极高的精度。适用于回转工作台，卡盘和铁刀头以及测量和实验中的轴承配置。该型轴承对与之相配的设备零件的要求也较高。安装时需控制安装螺钉的扭紧力矩。

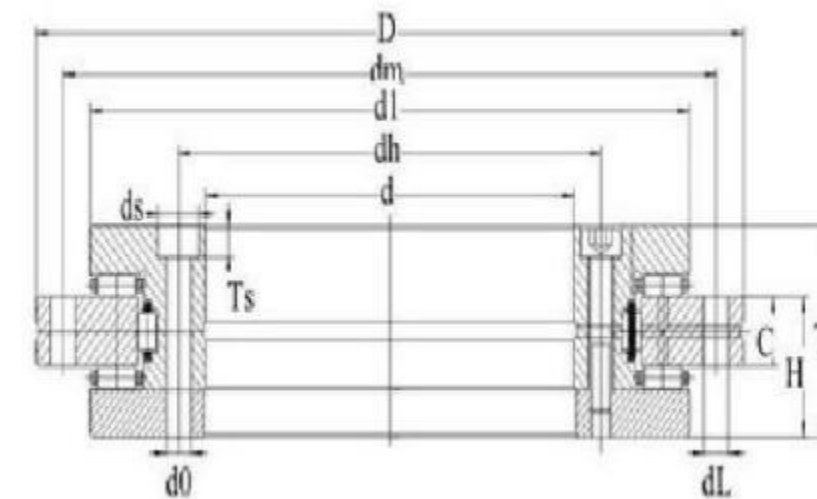
Axial/Radial Bearing YRT

YRT Rotary table bearings are axial and radial combined cylindrical roller bearings, including two thrust needle roller bearings and a radial cylindrical roller bearing with the combination of axial and radial p reload, For the convenience of transportation and fixing, two or three symmetrical screws are fastened to the two rings in order to prevent rollers and rings generating collisions which influence bearing accuracy.



YRTS 转 台 轴 承

YRTS Rotary Table Bearing

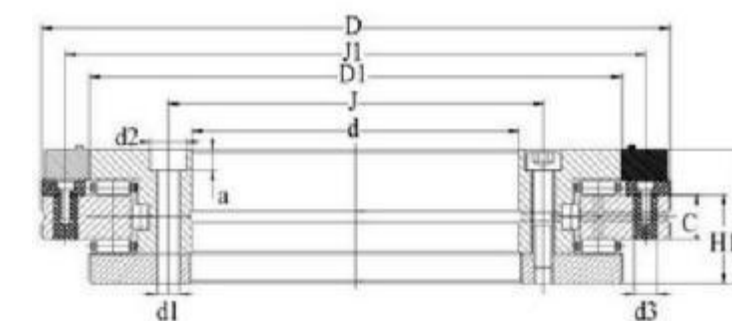


YRTS 型转台轴承和YRT转台轴承具有完全相同的外形和安装尺寸以及精度，其径向滚子加装尼龙保持架以满足轴承高速转动需要，由于YRTS 轴承具有较高的极限转速和很低的稳定的摩擦力矩等特点，因此这种轴承尤其适合于带有力矩的发动机上。

Due to their high limiting speeds and very low, uniform frictional torque across the whole speed range, these bearings are particularly suitable for combination with torque motors.

YRTM 转台轴承

YRTM Rotary Table Bearing

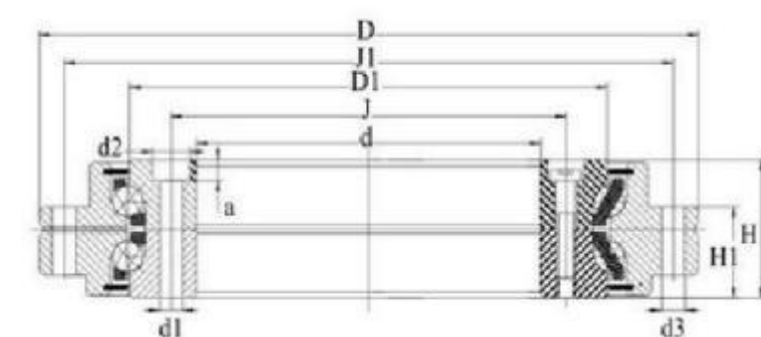


YRTM 转台轴承是一种加装钢栅尺的双向推力圆柱滚子YRT 组合轴承，实现实时监控和调整双向推力圆柱滚子组合轴承的旋转精度，以保证机器高精度运转。

Axial/radial bearing YRTM: Bearing of YRTM series correspond in the double direction thrust cylindrical roller combined bearing BRT ,but are additionally fitted with a steel ruler, to control and adjust the double direction thrust cylindrical roller bearing rotation accuracy, and guarantee the machine high precision operation.

ZKLDF 推力角接触球系列

ZKLDF thrust angle contact ball series



ZKLDF 轴向径向转台轴承具有低摩擦，高旋转精度，高极限转速等特点，可以承受较高的轴向、径向载荷并具备较高的倾斜刚度。这种轴承尤其适合应用于复合载荷和精密方面的领域，被广泛的应用于机床回转台、磨头和多种测试装备上。

ZKLDF are low-friction, high accuracy for very high speeds, high axial and radial loads and high demands on tilting rigidity. These bearings are particularly suitable for precision applications involving combined loads. Their preferred areas of use are bearing arrangements in rotary tables and honing heads as well as measurement and testing equipment.

设计和安装

Design & Installtion

1. 轴承安装示意图

1.1 对配合结构的要求见右图1:

在安装轴承前，您必须确保安装表面和安装环境的清洁，运输时固定螺钉保护轴承零件，为了较易定心安装，安装时固定螺钉可以松开，安装后固定螺钉应再拧紧或者最好用定位螺钉替换固定螺钉。

1.2有或无附加支撑环都可安装L-截面环1

a) 无支撑环的，轴承代号YRT

b) 用L-截面环支撑环的，轴承代号YRT-VSP, L- 截面环的整个

面都必须得到支撑。

1.3装配力只能通过被安装的轴承套圈进行传递，绝不能通过滚动体传递。

1.4安装和拆卸式不要分开或交换轴承零件。

1.5启动摩擦力矩是尺寸表中所列轴承摩擦力矩的3~3.5倍。

1.6定位螺钉应用扭力扳手以呈十字交叉的形式来拧紧见图2

扭力扳手拧紧力矩参考右表:

Design & Installtion

1.Bearing installation diagram

1.1 Design & Installation Structure with the requirements shown in Figure 1

Retaining screws secure the bearing components during transport. For installing the bearing easier, the screws should be loosened before fitting, and secured again or replaced by positioning screws- after fitting.

1.2 The L-section ring can be fitted with unsupported or supported ring.

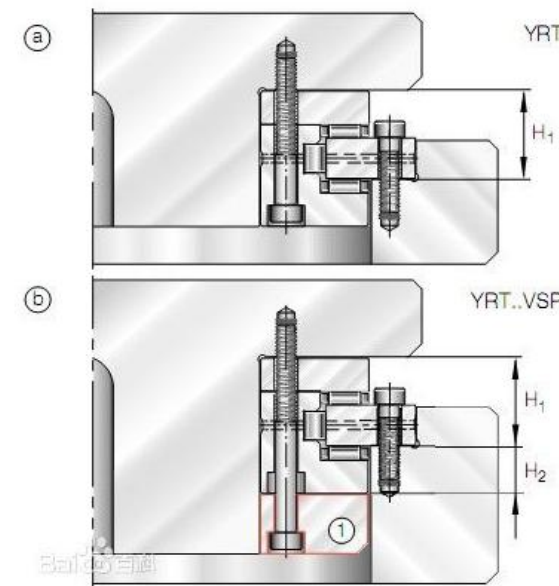
a) Without supported ring, the bearing type is BRT.

b) With supported ring, the bearing type is BRT-VSP, And the whole surface of L-section-should be supported.

1.3 Mounting forces must only be applied to the bearing ring to be fitted, never through the rolling elements. Tighten the fixing screws in crosswise using a torque wrench (shown in figure 2).

1.4 Don't separate or interchanged bearing components during fitting and dismantling.

1.5 Starting friction torque can be 3 to 3.5 times as high as the value of friction torque in the dimension tables.



螺钉拧紧力矩 Nm	轴承代号
8.5	BRT50
	BRT80
	BRT120
14	BRT150
14	BRT180
14	BRT20C
	BRT325
34	BRT395
34	BRT460
68	BRT580
116	
284	BBT850
284	BRT950
284	BRT1030
284	BRT1200

YRT 转台轴承安装过程

1. 将轴承装入轴承座;
Put the YRT Bearing into Bearing House;

A. 外圈安装螺钉; Outer ring mounting screws;

B. YRT转台轴承; BRT Bearing

C. 轴承座; Bearing House;

2. YRT转台轴承外径与轴承座间隙配合;
YRT Bearing and Bearing House is clearance fit;

3. 十字交叉方式依次拧紧外圈安装螺钉;
Tighten outer ring mounting screws in Cross way;

4. 数控转台台面压在轴承端面上;
Press the Rotary Table onto the YRT Bearing;

D. 数控转台台面; Rotary Table;

5. YRT转台轴承另一端面与法兰盘配合安装;
Another side of the BRT Bearing Connect to Flange;

E. 法兰盘; Flange;

转台轴外径与轴承内径过渡配合安装;
Rotary Table and YRT Bearing is shrink fit;

F. 转台轴外径; Outer ring of Rotary Table; G. 轴承内径;
Inner Ring of BRT Bearing;

7. 对齐法兰盘、转台轴承、转台台面安装孔;
Aligning Flange 、YRT bearing 、Rotary Table

J. 法兰盘; Flange

8. 十字交叉方式依次锁上内圈链接螺钉;
Tighten Inner ring mounting screws in Cross way;

k. 内圈连接螺钉; Inner ring mounting screws;

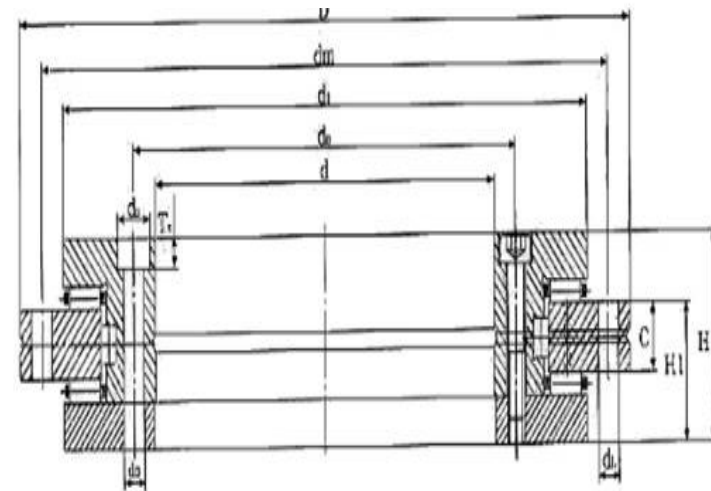
9. 用连接螺钉将法兰盘和轴承锁定在转台台面上;
Connect the flange and Bearings to Turntable table with Mounting screws;

L. 转台台面; Rotary Table;

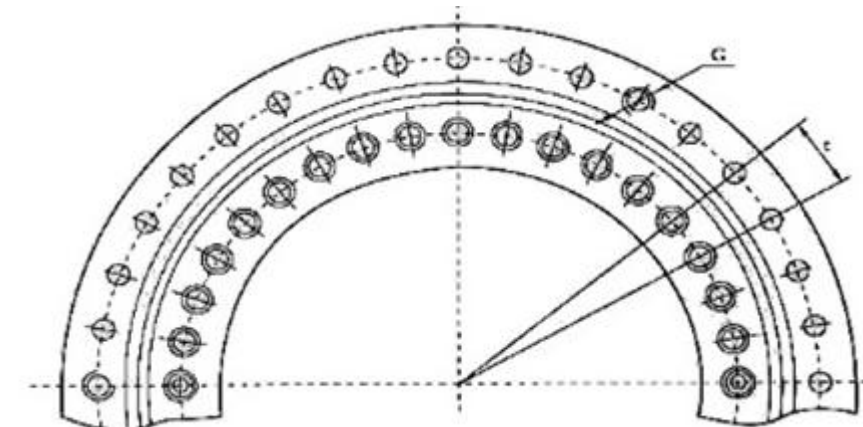
M. YRT转台轴承; YRT Bearing ;

N. 法兰盘; Flange;

产品特点：该系列轴承均带有预载荷，精度可达到P4、P2级，可承受轴向载荷、径向载荷、倾覆载荷。



型号 Model Number	外形尺寸 boundary dimensions								基本额定载荷Basic load rating (kN)				极限 转速 (脂) Limiting Speed (g rease)	重量 Kg
									轴 向 axial		径 向 radial			
	d	D	H	H1	C	D1	J	J1	动 dynamic load	静 static load	动 dynamic load	静 static load		
	单位unit： mm								Ca	Coa	Cr	Cor	r/min	
YRT50	50	126	30	20	10	105	63	116	38	158	28.5	49.5	440	1.6
YRT80	80	146	35	23.35	12	130	92	138	56	255	42.5	100	530	2.4
YRT100	100	185	38	25	12	160	112	170	76.5	415	47.5	120	430	4
YRT120	120	210	40	26	12	184	135	195	102	540	52	143	340	5.3
YRT150	150	240	40	26	12	214	165	225	112	630	56	170	320	6.2
YRT180	180	280	43	29	15	244	194	260	118	710	69.5	200	280	7.7
YRT200	200	300	45	30	15	274	215	285	120	765	81.5	220	260	9.7
YRT260	260	385	55	36.5	18	345	280	365	160	1060	93	290	200	18.3
YRT325	325	450	60	40	20	415	342	430	275	1930	120	345	170	25
YRT395	395	525	65	42.5	20	486	415	505	300	2280	186	655	140	33
YRT460	460	600	70	46	22	560	482	580	355	2800	200	765	120	45
YRT580	580	750	90	60	30	700	610	720	490	4250	228	965	80	89
YRT650	650	870	122	78	34	800	680	830	1040	8000	490	1800	65	170
YRT850	850	1095	124	80.5	37	1018	890	1055	1000	8650	455	1730	50	253
YRT950	950	1200	132	86	40	1130	990	1160	1290	11400	530	2040	40	312
YRT1030	1030	1300	145	92.5	40	1215	1075	1255	1380	12000	620	2650	39	375
YRT1200	1200	1490	164	108	52	1410	1240	1445	1435	12850	745	2800	25	450



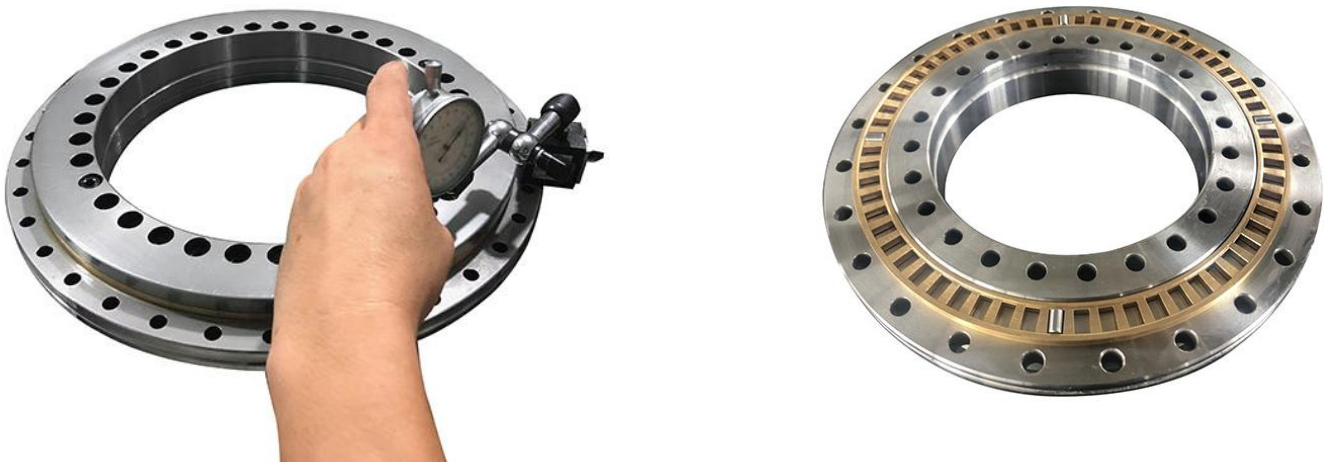
型号 Model Number	固定孔Fixing holes								节距 Pitches	拧紧力矩 Tightening torque	摩擦力矩 Frictional torque	旋转精度
	内圈孔Holes of inner ring				外圈孔Holes of inner ring							
	固定孔Fixing holes				固定孔Fixing holes		螺纹拔取孔 Extraction thread hole					
	d1	d2	a	数量 quantity	d3	数量 quantity	G	数量 quantity	数量xt			
	mm				mm				quantity	quantity xt		
YRT50	5.6			12	5.6	12			12×30°	8.5	2.5	2
YRT80	5.6	10	4	12	4.6	12			12×30°	8.5	3	3
YRT100	5.6	10	5.4	18	5.6	15	M5	3	18×20°	8.5	3	3
YRT120	7	11	6.2	24	7	21	M8	3	24×15°	14	7	3
YRT150	7	11	6.2	36	7	33	M8	3	36×10°	14	10	3
YRT180	7	11	6.2	48	7	45	M8	3	48×7.5°	14	12	4
YRT200	7	11	6.2	48	7	45	M8	3	48×7.5°	14	14	4
YRT260	9.3	15	8.2	36	9.3	33	M12	3	36×10°	34	20	6
YRT325	9.3	15	8.2	36	9.3	33	M12	3	36×10°	34	40	6
YRT395	9.3	15	8.2	48	9.3	45	M12	3	48×7.5°	34	55	6
YRT460	9.3	15	8.2	48	9.3	45	M12	3	48×7.5°	34	70	6
YRT580	11.4	18	11	48	11.4	42	M12	6	48×7.5°	68	140	10
YRT650	14	20	13	48	14	42	M12	6	48×7.5°	116	200	10
YRT850	18	26	17	60	18	54	M16	6	60×6°	284	300	12
YRT950	18	26	17	60	18	54	M16	6	60×6°	284	600	12
YRT1030	18	26	17	72	18	66	M16	6	72×5°	284	800	12
YRT1200	18	26	17	72	18	66	M16	6	72×5°	284	1000	15

YRTS 系列/ YRTS series

YRTS转台轴承特点

由一个推力/向心轴圈，一个推力垫圈，两个滚针保持架组件和一组向心圆柱滚子组成。座圈和轴圈有均布的安装用螺钉孔。该型轴承具有高轴向和径向承载能力。高倾斜刚度和极高的精度。适用于回转工作台，卡盘和铣刀头以及测量和实验中的轴承配置。该型轴承对与之相配的设备零件的要求也较高。安装时需控制安装螺钉的扭紧力矩。

适用范围：被广泛应用于精密回转台数控转台、立式磨床、分度头、滚齿机、铣齿机工件轴等精密装置。



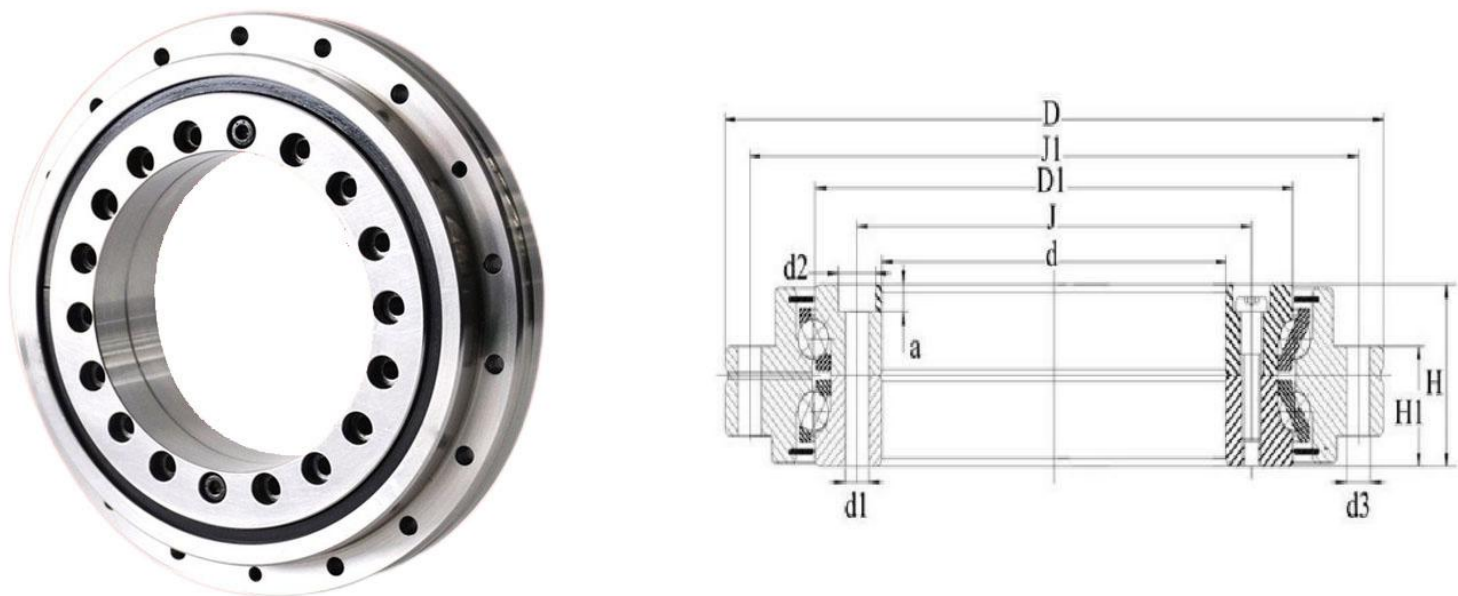
型号 Model Number	外形尺寸boundary dimensions								基本额定载荷Basic load rating (KN)				重量 Weight Kg
									轴 向axial		径 向radial		
	d	D	T	H	C	d1	dn	dm	动 dynamic load	静 static load	动 dynamic load	静 static load	
	单位unit： mm								Ca	Coa	Cr	Cor	
YRTS200	200	300	45	30	15	274	215	285	155	840	94	226	9.7
YRTS260	260	385	55	36.5	18	345	280	365	173	1050	110	305	18.3
YRTS325	325	450	60	40	20	415	342	430	191	1260	109	320	25
YRTS395	395	525	65	42.5	20	486	415	505	214	1540	121	390	33
YRTS460	460	600	70	46	22	560	482	580	221	1690	168	570	45

型号 Model Number	固 定 孔 fixing holes								节距 Pitches	拧 紧 力 矩 Tight eni ng torque	摩 擦 力 矩 Frictional torque	极限转速 Limiting speed	
	内 圈 孔Holes of inner ring				外 圈 孔Holes of inner ring								
	固 定 孔， Fixing holes				固 定 孔， Fixing holes		螺 纹 拔 取 孔 Extraction thread hole						
	do	ds	Ts	数量 quantity	dL	数量 quantity	G	数量 quantity					数 量 xt
	mm				mm								quant ity xt
YRTS200	7	11	6.2	48	7	45	M8	3	48×7.5°	14	14	1160	
YRTS260	9.3	15	8.2	36	9.3	33	M12	3	36×10°	34	20	910	
YRTS325	9.3	15	8.2	36	9.3	33	M12	3	36×10°	34	40	760	
YRTS395	9.3	15	8.2	48	9.3	45	M12	3	48×7.5°	34	55	650	
YRTS460	9.3	15	8.2	48	9.3	45	M12	3	48×7.5°	34	70	560	

ZKLDF 系列/ ZKLDF series

ZKLDF系列推力角接触球轴承包括个整体外圈、两个内圈和两组钢球及保持架组件，接触角为60度。外圈和内圈带有安装孔，方便通过连接螺栓对轴承进行安装固定。轴承自身通过联接螺栓固定，保证安装运输和搬运。ZKLDF推力角接触球系列转台轴承的两侧有密封盖，可防止外部污物、杂质的进入和内部润滑脂的泄漏。ZKLDF推力角接触球系列转台轴承使用复合钕基脂润滑，亦可通过外圈上的油孔再润滑。ZKLDF推力角接触球系列转台轴承采用双向60度接触角、双排球结构设计故可承受径向载荷、双向轴向负荷和倾覆力矩；殊结构的黄铜保持架设计，使其具有更高的强度、较低的摩托力矩；因此该系列轴承别适合于超高速、长期运转和对刚性、精度有高要求的场合。

ZKLDF具有低摩擦，高旋转精度，高限转速等点，可以承受较高的轴向、径向载荷并具备较高的倾斜刚度。这种轴承尤其适合应用于复合载荷和精密方面的域，被广泛的应用于机床回转台、磨头和多种测试装备上。



型号 Model Number	外形尺寸boundary dimensions									基本额定载荷(轴向) Axial Basic load rating		摩擦力矩 Erictional torque Nm	极限转速 Limiting speed	重量 Weight Kg
	d	D	H	H1	C	D 1	D2	J	J1	动 dynamic load	静 static load			
	单 位 unit: mm									Ca (KN)	Coa (KN)			
7KLDF100	100	185	38	25	12	13 6	160	112	170	71	265	1.6	2800	4.5
ZKLDF120	120	210	40	26	12	15 9	184	135	195	76	315	2	2400	6
ZKLDF150	150	240	40	26	12	18 8	214	165	225	81	380	3	2000	7.5
ZKLDF200	200	300	45	30	15	24 3	274	215	285	112	610	14	1600	11
ZKLDF260	260	385	55	36.5	18	31 3	345	280	365	162	920	20	1200	22
ZKLDF325	325	450	60	40	20	38 0	415	342	430	172	1110	40	1000	28
ZKLDF395	395	525	65	42.5	20	45 0	486	415	505	241	1580	55	800	39
ZKLDF460	460	600	70	46	22	52 0	560	482	580	255	1860	70	700	50

注：BLDF 转台轴承具有与BRT 转台轴承相同安装尺寸和精度标准；

Notice: BLDF Rotary table bearings has the mounting dimensions as BRT bearings;

YRTM 系列/ YRTM series

YRTM带角度测量系统转台轴承优点

- 1.非接触感应式编码器，无磨损；

2.精度可与光学编码器相比，高精度 $\leq 2''$ ；

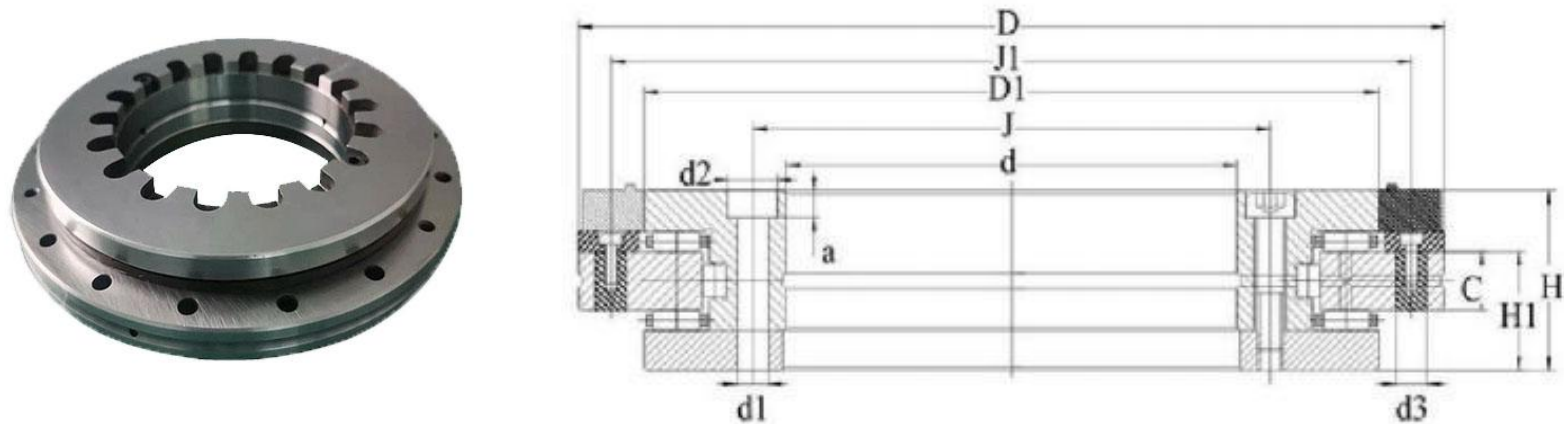
3.双读数头测量系统可以对轴承径向的偏差进行实时校正；

4.高转速，高动态性能，高分辨率；

5.无磁性构件，无磁带反应，无消磁危险；

6.对环境干扰比如固体颗粒、油等具备很强的抗干扰性，防护等级IP67，可耐一定水压，尘密、对任何类型的污染或者污物不敏感；

7.紧凑的设计，解决用户安装空间狭小的问题；



型号 Model Number	外形尺寸 boundary dimensions								基本额定载荷Basic load rating (KN)				重量 Weight Kg
									轴 向 axial		径 向 radial		
	d	D	H	H1	C	D1	J	J1	动 dynamic load	静 static load	动 dynamic load	静 static load	
	单位unit: mm								Ca	Coa	Cr	Cor	
YRTM150	150	240	40	26	12	214	165	225	112	630	56	170	6.2
YRTM180	180	280	43	29	15	244	194	260	118	710	69.5	200	7.7
YRTM200	200	300	45	30	15	274	215	285	120	765	81.5	220	9.7
YRTM260	260	385	55	36.5	18	345	280	365	160	1060	93	290	18.3
YRTM325	325	450	60	40	20	415	342	430	275	1930	120	345	25
YRTM395	395	525	65	42.5	20	486	415	505	300	2280	186	655	33
YRTM460	460	600	70	46	22	560	482	580	355	2800	200	765	45

注： YRTM转台轴承具有与YRT转台轴承相同安装尺寸和精度标准；
N otice: YRTM Rotary table bearings has the mounting dimensions asYRT bearings;

YRTM带角度测量系统转台轴承优点

- 1.非接触感应式编码器，无磨损；

2.精度可与光学编码器相比，高精度 $\leq 2''$ ；

3.双读数头测量系统可以对轴承径向的偏差进行实时校正；

4.高转速，高动态性能，高分辨率；

5.无磁性构件，无磁带反应，无消磁危险；

6.对环境干扰比如固体颗粒、油等具备很强的抗干扰性，防护等级IP67，可耐一定水压，尘密、对任何类型的污染或者污物不敏感；

7.紧凑的设计，解决用户安装空间狭小的问题；

8.安装简单、调整速度快，特别高的抗冲击和振动性，稳定性好，可靠性高；

9.可输出正弦波(IVPP)或者方波信号 (TTL),兼容西门子(SIEMENS)和FANUC等数控系统。

型号 Model Number	固定孔fixing holes								节距 Pitches	拧紧力矩 Tightening torque	摩擦力矩
	内圈孔Holes of inner ring				外圈孔Holes of inner ring						
	固定孔Fixing holes				固定孔Fixing holes		螺纹拔取孔 Extraction thread hole				
	d1	d2	a	数量 quantity	d3	数量 quantity	G	数量 quantity	数量xt	Nm	Nm
	mm				mm				quantity xt		
YRTM150	7	11	6.2	36	7	33	M8	3	36×10 °	14	10
YRTM180	7	11	6.2	48	7	45	M8	3	48×7.5 °	14	12
YRTM200	7	11	6.2	48	7	45	M8	3	48×7.5 °	14	14
YRTM260	9.3	15	8.2	36	9.3	33	M12	3	36×10 °	34	20
YRTM325	9.3	15	8.2	36	9.3	33	M12	3	36×10 °	34	40
YRTM395	9.3	15	8.2	48	9.3	45	M12	3	48×7.5 °	34	55
YRTM460	10	15	8.2	48	9.3	45	M12	3	48×7.5 °	34	70

YRTM with an angle measurement system to the bearing of the bearing of the bearing

1. Non -contact sensor encoder, no wear;

2. Compared with the optical encoder, the accuracy can be high -precision $\leq 2''$;

3. Double -read -head measurement system can be corrected in real time on the deviation of the bearing radius;

4. High speed, high dynamic performance, high resolution;

5. Magnetic components, tapeless reactions, non -magnetic risk;

6. For environmental interference, such as solid particles and oil, have strong anti -interference, protective level IP67, can resist certain water pressure, dense dust, not sensitive to any type of pollution or dirt;

7. Compact design to solve the problem of narrow installation space for users;

8. Simple installation, fast adjustment speed, particularly high impact and vibration, good stability, high reliability;

9. Extracting sine waves (IVPP) or square wave signal (TTL), compatible with CNC systems such as Siemens and FANUC.

