

About us 关于我们

瓦房店金锐轴承制造有限公司是一家轴承设计集研发、生产、销售为一体的高端轴承制造企业。采用全自动数控生产线，先进的检测仪器全程跟踪，系统检查严格控制生产过程，保证了轴承质量的稳定性和一致性。公司拥有专业的技术与服务团队，技术人员比例达30%以上，能生产内径50mm至内径340mm范围内的轴承3000多种，其中包括N，NU，NJ，NUP，NF，RN，RNU，NCL等系列轴承，可生产黄铜，钢板冲压，铁卡，尼龙等保持器轴承。以及大型、特大型和非标准轴承，公司已通过ISO9001：2000质量管理体系认证和ISO14001:2004环境管理体系认证。为了更进一步的提升公司产品的竞争力，我公司所生产的产品全部采用贝氏体淬火工艺，从根本上提高了产品的质量，为客户提供了更具竞争力的精品轴承。

公司将始终坚持“质量第一，信誉第一”的宗旨，以科学的管理手段，雄厚的技术力量，将不断深化改革，创新机制，适应市场，全面发展，欢迎各界朋友莅临参观、指导和业务洽谈。

Wafangdian Jinrui bearing manufacturing factory is a high-end bearing manufacturing enterprise with bearing design, R & D, production and sales. It adopts full-automatic numerical control production line, advanced testing instruments to track the whole process, system inspection to strictly control the production process, ensuring the stability and consistency of bearing quality. The company has a professional technical and service team with more than 30% technicians. It can produce more than 3000 kinds of bearings with an inner diameter of 50mm to 340mm, including N, Nu, NJ, NUP, NF, RN, rnu, NCL and other series bearings. It can produce brass, steel plate stamping, iron card, nylon and other retainer bearings. As well as large, extra large and non-standard bearings, the company has passed ISO9001:2000 quality management system certification and ISO14001:2004 environmental management system certification. In order to further enhance the competitiveness of the company's products, all the products produced by our company are made of bainite quenching technology, which fundamentally improves the quality of the products and provides more competitive quality bearings for a wide range of customers.

The company will always adhere to the tenet of "quality first, reputation first". With scientific management means and strong technical force, it will continue to deepen reform, innovate mechanism, adapt to the market and develop in an all-round way. Friends from all walks of life are welcome to visit, guide and discuss business.



JRZC®
金锐轴承

小摩擦 大承载



黄铜保持架

钢保持架

尼龙保持器



[企业文化] 成就客户，为自己创造价值
corporate culture ACHIEVING CUSTOMERS AND CREATING VALUE FOR YOURSELF

诚信 创新 共赢 传递价值

TRUSTWORTHINESS,
INNOVATION
WIN-WIN TRANSFER VALUE



瓦房店金锐轴承制造有限公司

目 录 CONTENT

冲压外圈滚针轴承 Drawn cup needle roller bearings

冲压外圈滚针轴承 Drawn cup needle roller bearings

HK、BK、TA、TLA、TAM、TLAM、SCE、SCH、BA、BHA、J、JH

1-22

冲压外圈有密封圈滚针轴承 Drawn cup needle roller bearing with ring

HK...RS、HK...2RS、BK...RS

23-25

冲压外圈满装滚针轴承 Drawn cup full complement needle roller bearing

F、FH、MF、MFH、FY、MFY、B、BH、M、MH、D、DL...P、DLF、DLF...P、NA、RNA

26-36

冲压外圈滚针离合器、冲压外圈滚针离合器和组件 Drawn Cup Needle Roller Clutches, Drawn Cup Roller Clutch and Bearing Assemblies

HF、HF...KF、HF...R、HF...KFR、FC、RC、HFL、HFL...KF、HFL...R、HFL...KFR、FCB、RCB、NHF

37-40

推力平面轴承 Thrust Ball Bearing with Flat Seat

滚针和保持架组件 推力垫圈、轴圈、座圈

Needle roller and cage assemblies Thrust washer Shaft ring Seat ring

AXK、AXW、NTB、TC、AX、AS、LS、ZS、TRA、TRB、TRC、TRD

41-49

推力圆柱滚子和保持架组件 座圈、轴圈

Thrust Cylindrical Roller and cage assemblies Seat ring Shaft ring

811、812、893、LS、GS、WS

50-55

向心滚针和保持架组件 Radial needle roller and cage assemblies

向心滚针和保持架组件 Radial needle roller and cage assemblies

K、K...ZW、K...D、K...ZWD

56-66

连杆用滚针和保持架组件 Rod-use Needle Roller and Cage Assemblies

KZK、KBK

67-71

实体套圈滚针轴承 Needle Roller Bearings

实体套圈滚针轴承 Needle Roller Bearings

NK、NKI、TAF、TAFI、NKS、NKIS、RNA48、NA48、RNA49、NA49、RNA49..2RS、NA49..2RS、RNA59、NA59、

RNA69、RNA69..2RS、NA69..2RS、NA69..RS、RNA69..RS、NA69..RS、MR、BR、NCS、HJ、MI、BRI、HJTT、

HJTT、RNAO..TIV、RNAO、RNAF、RNAO、RNAF、NAO、NAF、RNAO..ZW、NAO..ZW、RNAV、NAV、NA

72-101

调心滚针轴承带内圈或不带内圈 Self-Aligning Needle Bearing With Inner Ring or Without Inner Ring

RPNA、PNA

102-104

支承滚轮轴承 Yoke Type Track Rollers

支承滚轮轴承 Yoke Type Track Rollers

RSTO、STO、STOZZ、STOZZX、RNA22...-2RSR、NA22...-2RSR、NATR、NATV、NUTR、PWTR...-2RS、

KR、KR...-PP、KPE...-PP、KPV...-PP

105-116

螺栓滚轮轴承 Stud Type Track Rollers

螺栓滚轮轴承 Stud Type Track Rollers

NUKR、NUKRE、PWKRE...-2RS、CF、CFE、CCF、CCFE、CFH、CCFH

117-134

内圈 Inner ring

IR、LR、IRT、IRB、LRB

135-147

组合式滚针轴承 Combined Needle Roller Bearing

说明EXPLAIN

148-151

组合式滚针轴承带内圈或不带内圈 Combined Needle Roller Bearing With The Inner Ring or Without Inner Ring

NX、NX...Z、NKIA、NKX、NKX...Z、NKIB、NKXR、NKXR...Z

152-157

圆柱滚子轴承 Cylindrical roller bearings

说明EXPLAIN

158-161

SL02 48、SL02 49、SL18 18、SL18 29、SL18 30、SL18 22、SI18 50、SI01 48、SL01 49、SL19 23、LSL19 23、ZSL19 23

162-175

带止动环槽的圆柱滚子轴承 Cylindrical roller bearings With snap ring grooves

说明EXPLAIN

176-177

SL04 50..PP、SL04..PP

178-181

圆柱滚子轴承 Cylindrical roller bearings

NU、NJ、NUP、N、NF

182-183

带止动环圆柱滚子轴承 Cylindrical roller bearings With snap ring

NUP...N、NUP...NR

184-191

滚针 Needle rollers

192

轴承检验

根据ZBJ1020标准和世界各滚针轴承制造公司(日本NTN、KOYO, 德国INA, 美国TORRINGTON)对冲压外圈滚针轴承的检验规定: 冲压外圈壁薄, 热处理易变形, 在安装前测量检验轴承外径毫无意义。测量检验时应使被测量轴承压入标准座孔后才能获得最终尺寸和几何精度。座孔尺寸偏差应符合推荐规定(见表1)。滚针内接圆直径近似在公差带F8范围内。

Inspection of Bearings

In accordance with ZBJ1020 standard and inspection regulations of the world needle roller bearing manufacturing company (such as Japan NTN, KOYO, Germany INA, American TORRINGTON). Since the punched outer ring has thin wall and is easy to be deformed in heat treatment, it is unnecessary to inspect the outside diameter of bearing before installation. Only when the inspected bearing is pressed into the standard housing bore, the final size and geographic accuracy can be obtained. The tolerance of housing bore size shall be in conformity with regulations (see Table -1). The inscribed circle diameter for needle roller will conform to the range of tolerance F8.

推荐的座孔和轴的公差 (Recommended Tolerance of Shaft and Housing Bore)

表1 (Table 1)

轴承座材料 (刚性轴承座) Material of bearing housing(Rigid Housing)	座孔公差 Housing Bore Tolerance	轴公差 Shaft Tolerance(table-1)	
		无内圈 With inner ring	有内圈 Without inner ring
钢或铸铁 Steel or Cast-iron	N6 (N7)		
有色金属或座孔壁厚小于6mm Nonferrous metal or wall thickness of housing bore less than 6mm	R6 (R7)	h5 (h6)	K5 (j6)

关于冲压外圈轴承的滚针内接圆直径偏差的正确的测量检查方法:

- 1.测量时应使被测量轴承和标准件处于同一温度, 测量的标准温度为20°C。
- 2.成套轴承滚针组单一最小内径的偏差 ΔF_{wmin} 的检查, 是将轴承压入标准圈中用极限塞规检查。

The correct measuring method for tolerance of inscribed circle diameter of needle roller:

1. In measuring, the inspected bearing and standard part should be under same temperature. The standard temperature for inspection is 20°C.
2. As for the inspection of single minor inside diameter deviation ΔF_{wmin} for package bearing roller set, it shall be inspected with limit plug gauge.

成套轴承滚针组单一最小内径的偏差按表2的规定

Deviation of single minor inside diameter in package bearing roller set specified in Table-2

表2 μm (Table 2)

滚针组公称内径FW(mm) Nominal Inside Diameter of Needle Roller Set Fw(mm)		$\Delta F_{wnin}=F_{wnin}-F_w$	
超过 (Over)	到Upto	上差 (Upper Deviation)	下差 (Lower Deviation)
3	6	+28	+10
6	10	+31	+13
10	18	+34	+16
18	30	+41	+20
30	50	+50	+25
50		+60	+30

轴承单一宽度偏差 ΔCs 统一规定为 $0_{-0.25}^0$ mm, 标准圈按表3规定

Bearing single width deviation Δ is specified as $0_{-0.25}^0$ mm and the tolerance of standard ring is shown as Table-3

表3 mm (Table 3)

轴承公称外径D(mm) Nominal Outside Diameter of Bearing D(mm)		轴承公称内径 Nominal Inside Diameter of Bearing	标准圈公差 μm Standard ring tolerance	标准圈壁厚 Standard ring wall thickness
超过 (Over)	到 (Up to)			
6	10	D-0.016	按GB1957中IT8公差级的规定 Specified according to IT8 of GB1957Specified	大于或等于20 More than or equal to 20
10	18	D-0.020		
18	30	D-0.024		
30	50	D-0.028		
50	80	D-0.033		

塞规按表4规定

Insert Gauge according to the stipulation shown in Table-4

表4 (Table 4)

轴承公称外径FW(mm) Nominal Outside Diameter of Bearing FW(mm)		塞规公称外径 Nominal Outside Diameter of Insert Gauge		塞规公差μm Tolerance of Insert Gauge μm
超过 (Over)	到 (Up to)	通端 (Go-end)	止端 (No-go-end)	
3	6	Fw+0.010	Fw+0.030	按GB1957中IT7公差的规定 In accordance with tolerance shown in GB1957 IT 7
6	10	Fw+0.013	Fw+0.033	
10	18	Fw+0.016	Fw+0.036	
18	30	Fw+0.020	Fw+0.043	
30	50	Fw+0.025	Fw+0.052	
50		Fw+0.030	Fw+0.062	

若用户另有要求, 由本公司与用户协商签订。

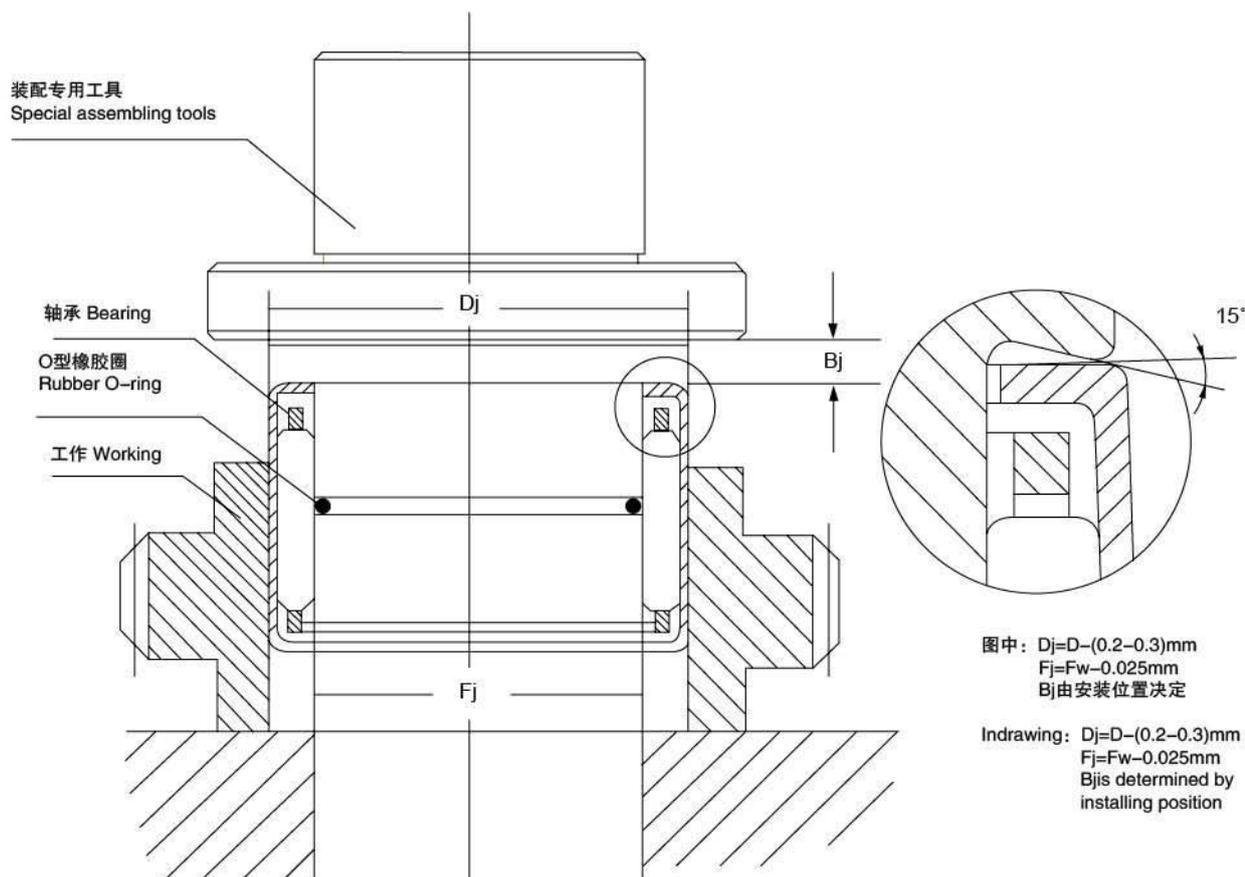
If customer has the additional requirement, it shall be made on agreement between company and customer.

安装

为了避免冲压外圈产生局部变形或脆裂, 防止滚针的正常工作遭受破坏。禁止在安装轴承时使用手锤等工具敲击薄壁外圈, 应使用压力机或专用安装工具进行安装, 参考轴承安装方法示意图如下:

Installation

In order to prevent the outer ring from deforming or cracking and needles from damage, it is prohibited to knock the thin-wall outer ring with hammer in installation. The press machine or special assembling tools shall be used for installation. The installation of bearings refers to the following schematic drawing.



冲压外圈滚针轴承采用优质钢板经精密冲压而成，外圈壁薄，具有径向截面积小，承载能力大，惯性小，制造经济等特点。是用于安装空间受到限制和壳体孔不宜作为滚道，轴承压入座孔后不需再轴向定位。

冲压外圈滚针轴承一般以轴径为内滚道，但根据使用条件也可选用合适的LR型内圈配合使用。

冲压外圈滚针轴承主要有带保持架和满装滚针两种结构，两种结构各又有穿孔型和封口型之分，有保持架的又有单面带密封圈与双面带密封圈等形式。满装滚针结构具有较大的承载能力。

可提供本样本中所列标准和非标准公制尺寸。英制系列冲压外圈滚针轴承以及外圈有油孔、双列滚针、尼龙保持架，有内圈、有密封圈等有特殊要求(订货时有特殊技术要求)高精度的冲压外圈滚针轴承。



冲压外圈滚针轴承 Drawn Cup Needle Roller Bearings

The outer ring of drawn cup needle roller bearing is punched with the high-quality steel sheet. The outer ring has thin wall. The drawn cup needle roller bearing has the characteristics of small radial section area, large load carrying capacity, less inertia and economic manufacture. It is suitable for small section height, or when the housing bore isn't used for raceway, this type is recommended to use. The bearing is assembled into the housing bore under a certain pressure without further axial location.

The drawn cup needle roller bearing generally takes its shaft diameter as the internal raceway. However, the proper LR type inner ring can be used in accordance with application condition.

The drawn cup needle roller bearing has two structures – with retainer and with full of needles. They are divided into open-end type and close-end type. The structure with retainer has the single seal ring and double seal ring. The structure with full of needles has a large load carrying capacity.

Can provide all drawn cup needle roller bearings listed in this catalogue, including standard size and non-standard metric size, and inch-series as well as the high-precision drawn cup needle roller bearings with special requirements such as oil hole in outer ring, double-row needles, nylon retainer, inner ring, seal ring, etc. (special technical requirement on order).

冲压外圈滚针轴承是用薄钢板精密冲压而成形的，剖面高度极小，且具有较大负荷容量，特别适用于要求经济性的大批量产品。

该类滚针轴承的外圈与轴承箱采用静配合，不需要轴向固定装置。即使在高速大负荷条件下，也能充分保持轴承功能。另外，因贮脂容积大，可长期不加润滑脂。

封口型轴承的一端为密封式，适用于轴端且可承受小的轴向游动力。

HK TA TLA穿孔型有保持架冲压外圈滚针轴承，BK封口型有保持架冲压外圈滚针轴承，SCE BA J JH冲压外圈滚针轴承(英制系列)。

冲压外圈带保持架滚针轴承 Drawn Cup Needle Roller Bearing With Retainer



The outer ring of drawn cup needle roller bearing is punched with the steel sheet. It has the small sectional height and the large load carrying capacity and is suitable for economic mass production.

The interference fit between outer ring and bearing housing is applied to this kind of needle roller bearing without axial fixing device. Even for the condition of high load, it fully maintains bearing function either. In addition, with the large grease-storage capacity, it is unnecessary to add grease for a long-term operation.

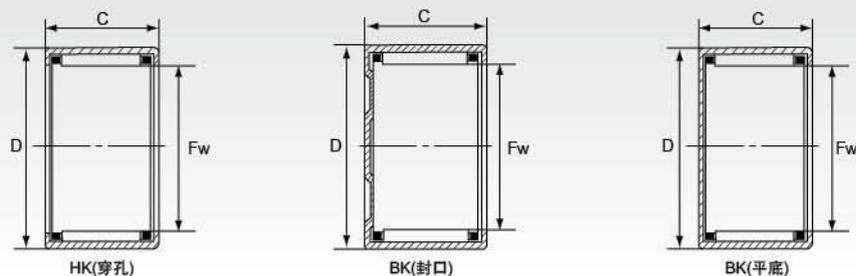
Since one end of the close-end bearing is sealed, it is suitable for the end of shaft with bearing the small axial sliding force.

Model HK, TA, TLA, open-end drawn cup needle roller bearings with retainer,

Model BK close-end drawn cup needle roller bearing with retainer,

Model SCE, BA, J, JH, drawn cup needle roller bearings (Inch series).

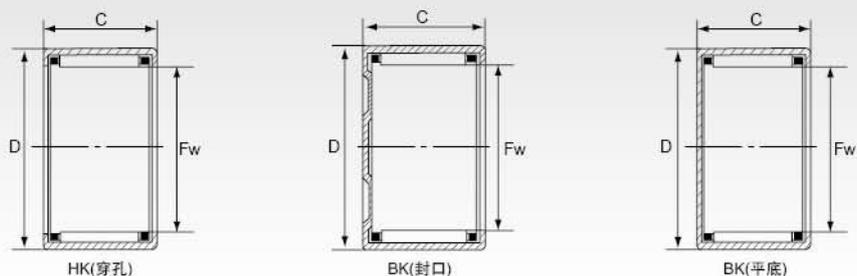
冲压外圈滚针轴承 Drawn Cup Needle Roller Bearings



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
				mm			N		
3	HK0306TN			3	6.5	6	1320	950	6000
	BK0306TN			3	6.5	6	1320	950	6000
4	HK0408TN	37941/4	1.6	4	8	8	1540	1070	40000
	BK0408TN	5941/4	1.8	4	8	8	1540	1070	40000
5	HK0509TN			5	11	9	2200	1790	36000
	HK0509	47941/5	2	5	9	9	2200	1790	36000
	BK0509	45941/5	2.1	5	9	9	2200	1790	36000
	HK0510			5	9	10			
6	HK0606			6	10	6			
	HK0607	27941/6	1.8	6	10	7	1600	1400	30000
	HK0608	37941/6	2.1	6	10	8	1830	1550	32000
	BK0608	35941/6	2.2	6	10	8	1830	1550	32000
	HK0609	47941/6	2.2	6	10	9	2650	2400	30000
	BK0609	45941/6	2.6	6	10	9	2650	2400	30000
	HK0611		2.3	6	10	11	1700	1500	29000
7	HK06X12X8	3941/6	2.5	6	12	8	2230	2010	33000
	HK0708			7	11	8	2800	2150	27000
	HK0709	47941/9	2.3	7	11	9	2800	2150	27000
	BK0709	45941/9	2.9	7	11	9	2800	2150	27000
	HK0712			7	11	12			
	HK07X12X08		2.2	7	12	8	3300	3220	37000
8	HK07X12X09		2.4	7	12	9	3400	3150	37000
	HK0808	37941/8	2.7	8	12	8	2550	2400	21000
	HK0808TN			8	12	8			
	BK0808	35941/8	3	8	12	8	2550	2400	21000
	HK0810	57941/8	3	8	12	10	3700	3450	21000
	BK0810	88941/8	3.4	8	12	10	3700	3450	21000
	HK0812	67941/8		8	12	12			
	HK08X14X10	27942/8	5.35	8	14	10	3800	3950	25000
	BK08X14X10	25942/8	5.8	8	14	10	3800	3950	25000
9	HK08X14X12	37942/8	6.6	8	14	12	4100	4320	25000
	HK0908	37941/9	3	9	13	8	3650	4050	25000
	BK0908	35941/9	3.4	9	13	8	3650	4050	25000
	HK0910	57941/9	4	9	13	10	4050	4250	25000
	BK0910	55941/9	4.3	9	13	10	4050	4250	25000
	HK0911		4.1	9	13	11	4300	4700	25000
	HK0912	67941/9	4.6	9	13	12	5000	6000	25000
BK0912	65941/9	4.9	9	13	12	5000	6000	25000	
HK09X15X10	27942/9	5.6	9	15	10	5300	6300	25000	

TN=塑料保持架, 允许工作温度: 120°C连续; 180°C短期。 TN=plastic cage, permissible operating temperature: 120°C(Continuous operation).
 脂润滑极限转速为表列数值的60%。 Limiting speed for oil lubrication. For grease lubrication, 60% of the values given in the table is permissible.

冲压外圈滚针轴承 Drawn Cup Needle Roller Bearings

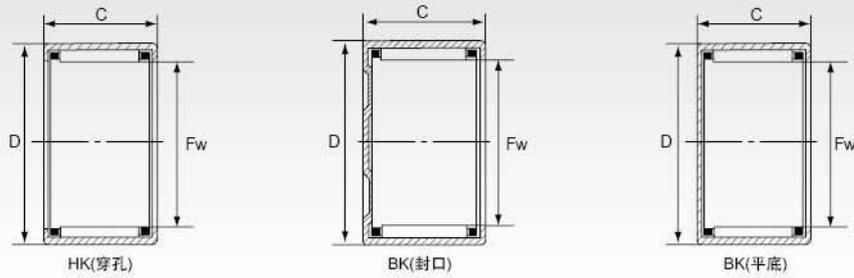


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
10	HK10X13X08		3.5	10	13	8	4100	4800	20000
	HK1010	57941/10	4.1	10	14	10	3900	4800	19000
	BK1010	55941/10	4.3	10	14	10	3900	4800	19000
	HK1012	67941/10	4.8	10	14	12	5000	6300	19000
	BK1012	65941/10	5	10	14	12	5000	6300	19000
	HK1015		6	10	14	15	6700	7800	19000
	BK1015		6.2	10	14	15	6700	7800	19000
	HK10X15X15	644900	6.5	10	15	15	6800	8800	18000
	HK10X16X10		6.5	10	16	10	6800	8800	18000
	BK10X16X10		6.8	10	16	10	6800	8800	18000
	HK10X16X12	DB1012	7.5	10	16	12	6800	8800	18000
	HK10X16X15	7942/10	11	10	16	15	6800	8800	19000
	HK10X17X15		11.5	10	17	15	7200	8000	19000
HK10X18X12		8.5	10	18	12	7200	8000	19000	
12	HK1208	37941/12	3.3	12	16	8	7200	8000	19000
	HK1210	57941/12	4.6	12	16	10	4150	5800	19000
	BK1210	55941/12	5.2	12	16	10	4150	5800	19000
	HK1212	67941/12	5.6	12	18	12	3800	5100	15000
	BK1212	65941/12	6.2	12	16	12	3800	5100	15000
	HK12X17X12	7941/12	7.5	12	17	12	5100	7000	15000
	HK12X17X15	7942/12	9.5	12	17	15	5100	7000	15000
	HK12X17X18	7943/12	11	12	17	18	5100	7000	15000
	HK12X18X12	37942/12	9.1	12	18	12	5500	6300	17000
	BK12X18X12	35942/12K	10.3	12	18	12	5500	6300	17000
	HK12X18X14	67942/12	10.6	12	18	14	6500	6300	15000
HK12X19X12		10	12	19	12	6800	7400	15000	
13	HK1311		8.5	13	19	11	6300	6300	14000
	HK1312		8.9	13	19	12	6200	7100	17000
	BK1312		11.2	13	19	12	6200	7100	17000
13.5	HK13.5X19X12			13.5	19	12	6200	7100	16000
	HK13.5X20X12	7941/13.5	10.8	13.5	20	12	6250	7590	16000
14	HK1410	27941/14	8.3	14	20	10	6700	7000	16000
	BK1410	35941/14	12.1	14	20	10	6700	7000	16000
	HK1412	37941/14	10.5	14	20	12	6800	7500	16000
	HK1416	57941/14	13.9	14	20	16	7300	9000	14000
	HK1418			14	20	18	7300	9000	14000
15	HK15X20X12	7941/15	8.4	15	20	12	5800	6000	14000
	HK15X20X16	7942/15	11.4	15	20	16	6000	6200	14000
	HK1 5X20X20	7943/15	13.8	15	20	20	6100	6400	14000

脂润滑极限转速为表列数值的60%。

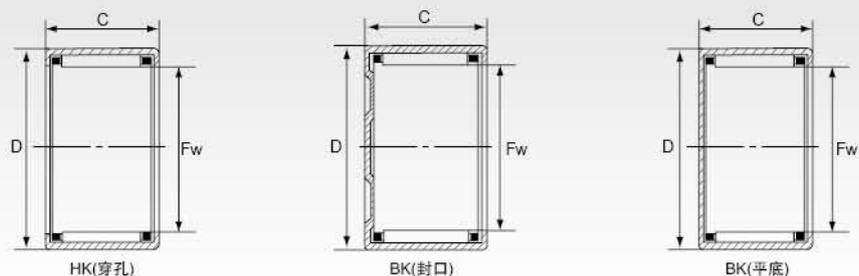
Limiting speed for oil lubrication. For grease lubrication, 60% of the values given in the table is permissible.

冲压外圈滚针轴承 Drawn Cup Needle Roller Bearings



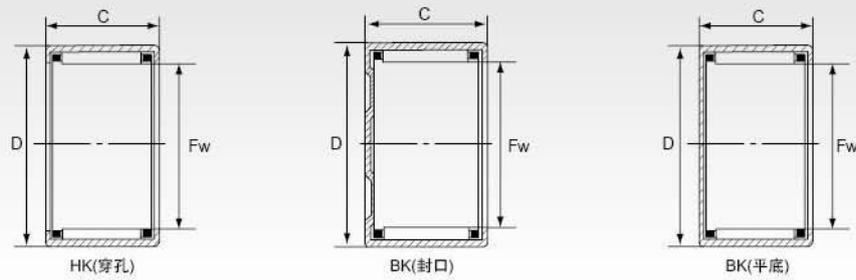
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
				mm			N		
15	HK1512	37941/15	11.1	15	21	12	7000	8400	14000
	BK1512	35941/15	12.7	15	21	12	7000	8400	14000
	HK1514	47941/15	12.7	15	21	14	8500	10400	13000
	HK1515		14.2	15	21	15	9100	11400	13000
	BK1515			15	21	15	9800	11400	14000
	TA1515			15	22	15		11400	
	TA1515Z			15	22	15		11400	
	HMK1515			15	22	15			
	HK1516	57941/15	15	15	21	16	9800	11400	14000
	BK1516	55941/15	16.5	15	21	16	9800	11400	14000
	HK1518			15	21	18			
	HK1520			15	21	20			
	HMK1520			15	22	20			
	HK1522	SZ-439	20.4	15	21	22	10400	16500	14000
	BK1522		22	15	21	22	10400	16500	14000
HK15X22X12	7948/15	12.5	15	22	12	14300	18400	13000	
HK15X22X12.5	7948/15K	13.5	15	22	12.5	14300	18400	13000	
16	HK16X21X06		5.5	16	21	6	4200	5300	12000
	HK16X21X09		7.5	16	21	9	4400	5600	12000
	HK1610	27941/16		16	22	10			
	HK1612	37941/16	11.7	16	22	12	7100	9200	14000
	BK1612	35941/16	13.8	16	22	12	7100	9200	14000
	HK1612K			16	22	12			
	HK1614	47941/16	14.4	16	22	14	8800	9900	12000
	HK1616	57941/16	15.8	16	22	16	10100	14300	14000
	BK1616	55941/16	17.6	16	22	16	10100	14300	14000
	HK1616-ASI			16	22	16			
	HK1617	SZ-435	18	16	22	17	12900	17200	12000
	HK1620	77941/20		16	22	20			
HK1622	87941/16	21.7	16	22	22	11100	17400	14000	
BK 1622	85941/16	23.4	16	22	22	11100	17400	14000	
17	HK17X21.5X15	17BTM15	10	17	21.5	15	6300	8600	11000
	HK1712	37941/17	12.2	17	23	12	6900	9300	13000
	BK1712	35941/17	14.5	17	23	12	6900	9300	13000
	HK1714	7941/17	14	17	23	14	6800	10200	10000
	HK1716	57941/17	15.9	17	23	16	8500	12500	10000
	BK1716			17	23	16	8500	12500	10000
	HK1718	7942/17	19	17	23	18	9500	10600	10000
	HK1720			17	23	20	10000	11800	10000

冲压外圈滚针轴承 Drawn Cup Needle Roller Bearings



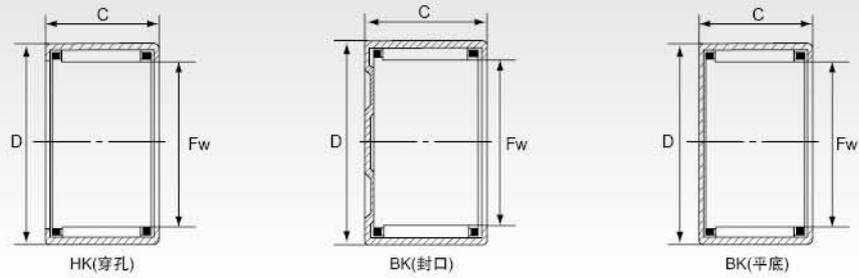
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
17	HK1722	7943/17	17	17	23	22			
	HK17X24X15		17	17	24	15	11200	12800	10000
	HK17X25X14	37942/17K	17.7	17	25	14	13100	14700	10000
	HK17X25X15.5		20	17	25	15.5	9320	10400	10000
	HK17X25X18	57942/17K	23.5	17	25	18	9500	10600	11000
18	HK1812	37941/18	13.1	18	24	12	7100	9900	12000
	BK1812	35941/18	14.9	18	24	12	7100	9900	12000
	HK1816	57941/18	17.5	18	24	16	10600	15300	12000
	BK1816	55941/18	19.9	18	24	16	10600	15300	12000
	HK18X24X20		18	18	24	20			
	HMK1825			18	25	25			
19	HK19X27X16	TA1916	23	19	27	16	8100	9500	10500
20	HK2010	27941/20	11.8	20	26	10	5900	7200	10000
	BK2010	25941/20	14	20	26	10	5900	7200	10000
	HK2011		12	20	26	11	7500	9200	9000
	HK2012	37941/20	14.1	20	26	12	7600	10100	10000
	BK2012	35941/20	16.7	20	26	12	7600	10100	10000
	HK2014	47941/20	15.7	20	26	14	9700	18100	9000
	HK2016	57941/20	19.3	20	26	16	11700	29100	10000
	BK2016	55941/20	22.3	20	26	16	11700	29100	10000
	HK2018	67941/20	23.3	20	26	18	7900	12800	9000
	HK2020	7942/20	24.1	20	26	20	13700	24000	10000
	BK2020	75941/20	27.1	20	26	20	13700	24000	10000
	HK2025	7943/20	28	20	26	25	9100	14800	9900
	HK2030		41	20	26	30	21800	40000	10100
	BK2030		43	20	26	30	21800	40000	10100
	HK20X27X18			20	27	18	26000	47200	9900
	HK20X27X20			20	27	20	26300	47800	9900
	HK20X27X30			20	27	30	28500	48800	9900
HK20X28X16	47942/20	28.5	20	28	16	29600	49800	9900	
HK20X29X18		41	20	29	18	30900	54600	9900	
22	HK22X28X7.5TN		8.8	22	28	7.5	5200	7000	10100
	HK2210	27941/22	12.3	22	28	10	7200	9500	10100
	HK2212	37941/22	15	22	28	12	8100	10400	10100
	BK2212	35941/22	18.1	22	28	12	8100	10400	10100
	HK2216	57941/22	20.9	22	28	16	11400	18100	10100
	BK2216	55941/22	24.3	22	28	16	11400	18100	10100
	HK2220	77941/22	26.2	22	28	20	14500	25000	10100
BK2220	75941/22	29.9	22	28	20	14500	25000	10100	

冲压外圈滚针轴承 Drawn Cup Needle Roller Bearings

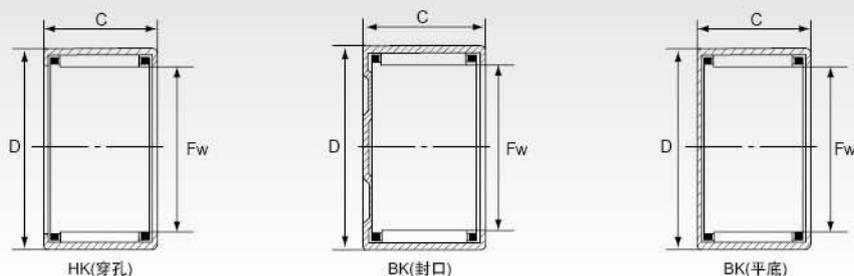


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动	静	
							Dynamic	Static	
		mm			N				
22	HMK2225			22	29	25			
	HK2230		32	22	28	30	17500	30400	9000
	HK22X29X25		37	22	29	25	18100	31500	9000
	HK22X25X30		43	22	29	30	19400	33100	9000
	HK22X30X14	37942/22	21.9	22	30	14	19800	34000	9000
24	HK24X30X7.5TN		10.6	24	30	7.5	5800	7200	10000
25	HK2512	27941/25	20	25	32	12	10000	14200	9000
	BK2512	25941/25	23.2	25	32	12	10000	14200	9000
	HK2514	37941/25	21.9	25	32	14	13600	18700	9000
	HK2516	7941/25	27.3	25	32	16	13600	20000	9000
	BK2516	5941/25	31	25	32	16	13600	50000	9000
	HK2518	57941/25	28.2	25	32	18	17500	25800	9000
	HK2520	67941/25	34.1	25	32	20	17900	30000	9000
	BK2520	65941/25	38.7	25	32	20	17900	30000	9000
	HK2525	7943/25	40	25	32	25	22200	36700	9000
	HK2526		44.8	25	32	26	22500	42000	9000
	BK2526		49	25	32	26	22500	42000	9000
	HK2538	87941/25	64.7	25	32	38	30000	58000	9000
	BK2538	85941/25	69	25	32	38	30000	58000	9000
	HK25X33X10		17	25	33	10	34800	69600	9000
	HK25X33X15		27.4	25	33	15	35700	70000	9000
HK25X35X20	57942/25	44.9	25	35	20	36100	78650	9000	
28	HK2812			28	35	12			
	HK2816	47941/28	30.1	28	35	16	15400	22500	8700
	BK2816	45941/28	34.1	28	35	16	15400	22500	8700
	HK2818	57941/28	31.7	28	35	18	18500	29300	8700
	HK2820	67941/28	37.6	28	35	20	18900	32000	8700
	BK2820	65941/28	43	28	35	20	18900	32000	8700
	HK2825			28	35	25			
	HK2830			28	35	30			
HK2833			28	35	33				
30	HK3012	27941/30	24	30	37	12	10100	16200	8100
	BK3012	25941/30	27.9	30	37	12	10100	16200	8100
	HK3016	47941/30	32	30	37	16	15200	27000	8100
	BK3016	45941/30	37.1	30	37	16	15200	27000	8100
	HK3018	57941/30	33.6	30	37	18	19200	31500	8100
	HK3020	67941/30	40.1	30	37	20	19700	33500	8100
	BK3020	65941/30	46.5	30	37	20	19700	33500	8100
	HK3020-K			30	37	20			

冲压外圈滚针轴承 Drawn Cup Needle Roller Bearings

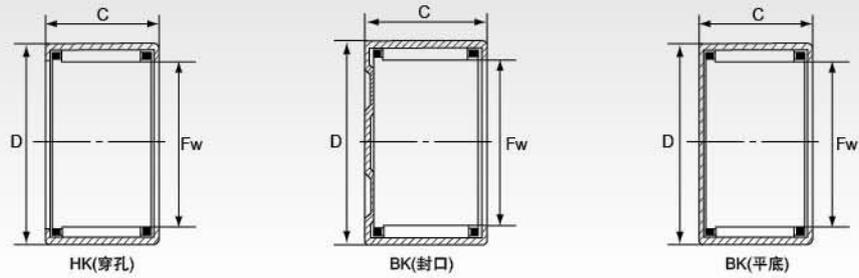


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
30	HMK3020			30	40	20			
	HK3024			30	37	24			
	HMK3025			30	40	25			
	HK3026		52.9	30	37	26	24000	50000	8100
	BK3026		59.4	30	37	26	24000	50000	8100
	HK3030			30	37	30			
	HMK3030			30	40	30			
	HK3038		76.1	30	37	38	32500	74000	8100
	BK3038		82.5	30	37	38	32500	74000	8100
	HK30X38X12	27941/30K	28	30	38	12	38100	80000	8100
	HK30X38X16	7941/30	32.7	30	38	16	39000	82000	8100
	HK30X38X24	7942/30	49	30	38	24	39910	88800	8100
HK30X38X32	7943/30	69	30	38	32	38890	88700	8100	
32	HK32X38X11		17	32	38	11	19700	43200	7800
	HMK3220			32	42	20			
	HK3224	77941/32	50.7	32	38	24	25500	52000	7300
	HK3232	97941/32	66.4	32	39	32	22600	54300	7100
	HK32X19X16			32	19	16			
	HK32X40X32	7943/32	72.7	32	39	32	27990	59890	7100
	HK32X41X16			32	41	16			
35	HK3512	27941/35	27.7	35	40	12	12100	19300	7100
	BK3512	25941/35	32.9	35	42	12	12100	19300	7100
	HK3516	47941/35	36.9	35	42	16	15700	27500	7100
	BK3516	45941/35	43.8	35	42	16	15700	27500	7100
	HK3520	67941/35	46.1	35	42	20	20800	41000	7100
	BK3520	65941/35	54.8	35	42	20	20800	41000	7100
	HK3520/ASI			35	42	20			
	HK3524			35	42	24			
	BK3530			35	42	30			
	HK3530			35	42	30			
	HMK3520			35	45	20			
	HMK3525			35	45	25			
	HMK3530			35	45	30			
	HK35X42X16	7941/35	37	35	42	16	24200	47100	7100
	HK35X43X25	7942/35	60.5	35	43	25	24440	48200	6200
HK35X43X32	7943/35	80	35	43	32	24870	48880	6200	
HK35X45X12		31	35	45	12	24870	48880	6200	
36	HK36X42X12		23	36	42	12	15000	21000	6200
38	HK3818			38	45	18			



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions mm			额定负荷 Basic Load Rating N		极限转速 Limiting Speed rpm 油润滑 Oil
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
38	HK38X48X30		102	38	48	30	16100	24100	6000
40	HK4012	27941/40	31.1	40	47	12	14000	24300	6300
	BK4012	25941/40	38.2	40	47	12	14000	24300	6300
	HK4016	47941/40	41.4	40	47	16	20000	38500	6300
	BK4016	45941/40	51	40	47	16	20000	38500	6300
	HK4020	67941/40	51.8	40	47	20	25500	52000	6300
	BK4020	65941/40	62	40	47	20	25500	52000	6300
	HK4020/ASI			40	47	20			
	HK4026			40	47	26			
	HK4030			40	47	30			
	HMK4020			40	50	20			
	HK4025	TA4025		40	50	25			
	HMK4030			40	50	30			
HK40X50X32	7942/40	114.3	40	50	32	23000	42000	6000	
HK40X50X38	7943/40	130.8	40	50	38	24100	43000	6000	
45	HK4512	27941/45	34.8	45	52	12	12900	22500	5800
	BK4512	25941/45	45	45	52	12	12900	22500	5800
	HK4512-K			45	52	12			
	HK4516	47941/45	46.2	45	52	16	19300	38000	5800
	BK4516	45941/45	56	45	52	16	19300	38000	5800
	HK4520	67941/45	56	45	52	20	22000	51000	5800
	BK4520	65941/45	72	45	52	20	22000	51000	5800
	HK4520-ASI			45	52	20			
	HK4520-K			45	52	20			
	HK4520-YA			45	52	20			
	HMK4525			45	55	25			
	HMK4530			45	55	30			
HMK4538			45	55	38				
HK45X55X38	7943/45	135	45	55	38	27600	61000	5300	
50	HK50X57X16		51.2	50	57	16	15200	32500	5300
	HK5012	27941/50	44.2	50	58	12	23600	57200	5300
	HK5020	57941/50	72	50	58	20	28000	60000	5300
	BK5020	55941/50	87.3	50	58	20	28000	60000	5300
	HK5025		90.1	50	58	25	34500	80000	5300
	BK5025	5943/50	109	50	58	25	34500	80000	5300
55	HK50X60X38	7943/50	140	50	60	38	27770	63100	4600
	HK5520	57941/55	78	55	63	20	29500	59900	4600
	BK5520	55941/55	93.8	55	63	20	29500	59900	4600
	HK5525	77941/55	109	55	63	25	33200	69980	4600

冲压外圈滚针轴承 Drawn Cup Needle Roller Bearings

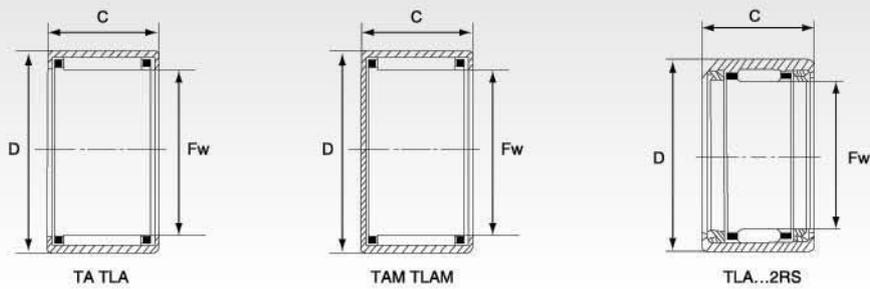


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动	静	
							Dynamic	Static	
55	HK5528	87941/55	111	55	63	28	39090	98000	4600
	BK5528	85941/55	132	55	63	28	39090	98000	4600
60	HK6012		49.2	60	68	12	12400	29000	4100
	BK6012		77	60	68	12	12400	29000	4100
	HK6020	57941/60	86	60	68	20	30500	72000	4100
	BK6020	55941/60	105	60	68	20	30500	72000	4100
	HK6032	87941/60	136	60	68	32	50000	131000	4100
	BK6032	85941/60	164	60	68	32	50000	131000	4100



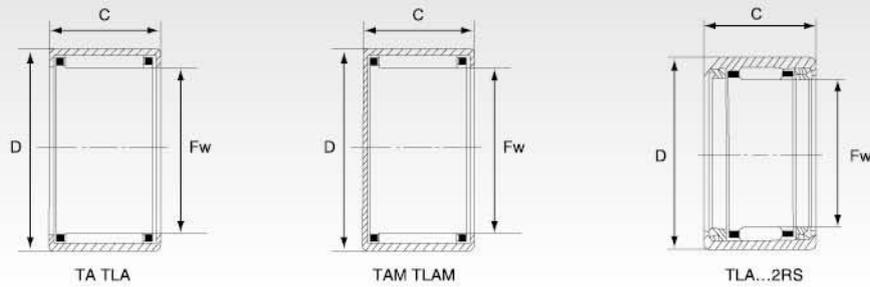
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	别称 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
				Fw	D	C
				mm		
17	NB-101	BCH06604	13.5	17	23.8	17.462
	NB-102		14	17	23.8	20
	BA608		14.5	17	23.8	20.63
22.225	NB-107	SCH1413	31.5	22.225	30.16	20.63
17	NB-109	FC66217	27	17	23.8	31.5
9.53	NB-113	SCE65	3.5	9.53	14.288	7.94
11.1	NB-118	BCE78	6.5	11.1	15.88	12.7
17	NB-119		15.75	17	23.8	22
12	NB-201	HK1210	4	12	16	10
6	NB-203	HK0608	2	6	10	8
20.63	NB8303	SCE136	11	20.63	26.98	9.525

冲压外圈滚针轴承 Drawn Cup Needle Roller Bearings

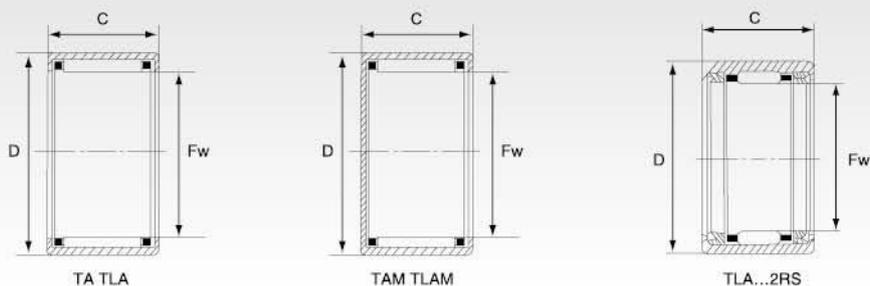


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
4	TLA 48		1.6	4	8	8	140	100	75000
5	TLA 59		1.8	5	9	9	190	160	65000
6	TLA 69			6	10	9	210	190	55000
7	TLA 79		2	7	11	9	250	250	50000
8	TLA 810		2.1	8	12	10	340	370	45000
	TA 810			8	15	10	350	290	45000
	TA 815			8	15	15	590	570	45000
9	TA 912		1.8	9	16	12	520	500	45000
	TA 916		2.1	9	16	16	710	740	45000
10	TLA 1010		2.2	10	14	10			
	TLAM 1010		2.2	10	14	10			
	TLA 1012		2.6	10	14	12			
	TLAM 1012		2.3	10	14	12			
	TLA 1014 2RS		2.5	10	14	14			
	TLA 1015			10	14	15			
	TA 101610		2.3	10	16	10			
	TA 1012		2.9	10	17	12			
12	TA 1010			10	17	10	420	390	40000
	TA 1012		2.2	10	17	12	570	570	40000
	TLA 1212		2.4	12	18	12			
	TA 1212		2.7	12	19	12	610	640	35000
13	TA 1215			12	19	15	760	850	35000
	TLA 1216 2RS		3	12	18	16			
	TLA 1312		3	13	19	12	690	830	30000
14	TLA 1412		3.4	14	20	12			
	TLA 1416			14	20	16			
	TLA 1416 2RS		5.35	14	20	16			
	TA 1420		5.8	14	22	20	1410	1760	30000
15	TLA 1512		6.6	15	21	12			
	TLAM 1516		3	15	21	16			
	TA 1510		3.4	15	22	10	540	580	25000
	TA 1512		4	15	22	12	730	850	25000
16	TLA 1612		4.3	16	22	12			
	TLA 1616		4.1	16	22	16			
	TA 1616		4.6	16	24	16	1130	1350	25000
	TA 1620		4.9	16	24	20	1490	1940	25000
17	TLA 172220		5.6	17	22	20			
	TLA 172318			17	23	18			
	TA 1715			17	24	15	980	1300	25000

冲压外圈滚针轴承 Drawn Cup Needle Roller Bearings

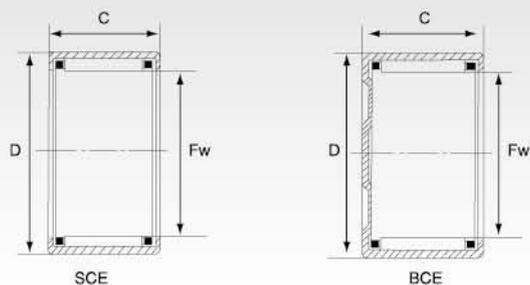


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
				mm			N		
18	TLA 1812			18	24	12			
	TLA 1816			18	24	16			
	TA 1813		16.4	18	25	13	930	1220	20000
	TA 1815		18.5	18	25	15	1020	1390	20000
	TA 1817		21	18	25	17	1210	1720	20000
19	TA 1916		23	19	27	16	1240	1600	20000
	TA 1920		29	19	27	20	1650	2300	20000
20	TLA 2012			20	26	12			20000
	TLA 2016			20	26	16			
	TLAM 2020			20	26	20			
	TA 2015		20	20	27	15	1060	1490	20000
21	TA 2116		25	21	29	16	1350	1840	19000
	TA 2120		31.5	21	29	20	1790	2640	19000
22	TA 2210		15	22	29	10	680	870	18000
	TA 2215		21.5	22	29	15	1130	1670	18000
24	TA 2420		31	24	31	20	1730	2980	16000
25	TLA 2530			25	32	30			
	TA 2510		19.1	25	33	10	810	1010	15000
	TA 2515		28.5	25	33	15	1370	1970	15000
26	TA 2616		30.5	26	34	16	1550	2330	15000
	TA 2620		38	26	34	20	2050	3350	15000
28	TLA 2820			28	35	20			
	TA 2820		45	28	37	20	2160	3290	13000
	TA 2830		67.5	28	37	30	3370	5800	13000
29	TA 2920		47	29	38	20	2250	3480	13000
	TA 2930		70	29	38	30	3490	6140	13000
30	TLA 3012		23.5	30	37	12	1060	1700	12000
	TA 3013		36.5	30	40	13	1370	1710	12000
	TA 3015		42	30	40	15	1720	2280	12000
	TLA 3026		49	30	37	26	2530	5190	12000
	TLA 303730			30	37	30			
	TLA 3038			30	37	38			
	TLAM 303746			30	37	46			
	TLA 303815			30	38	15			
	TLA 303816			30	38	16			
TLA 3030			30	40	30				
32	TA 3220		57.5	32	42	30	2590	3940	11000
	TA 3230		86	32	42	30	4030	6970	11000
35	TLA 3516			35	42	16			



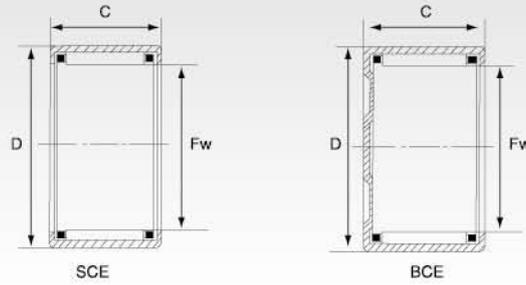
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
				mm			N		
35	TLA 3520			35	42	20			
	TLA 354320			35	43	20			
	TA 3512		38.5	35	45	12	1510	2030	10000
	TA 3515		48	35	45	15	1890	2710	10000
	TA 3520		62.5	35	45	20	2760	4400	10000
	TA 3530			35	45	30			
37	TA 3720		64.5	37	47	20	2830	4630	9500
	TA 3730		101	37	47	30	4270	7820	9500
38	TA 3815		51	38	48	15	1930	2860	9000
	TA 3820		65.5	38	48	20	2820	4640	9000
	TA 3825		82.5	38	48	25	3630	6430	9000
40	TLA 4012			40	47	12			
	TLA 4016			40	47	16			
	TA 4015		54	40	50	15	1980	3000	8500
	TA 4020		69.5	40	50	20	2900	4880	8500
45	TA 4520		77	45	55	20	3120	5570	7500
	TA 4525		102	45	55	25	4010	7710	7500
	TA 4530		122	45	55	30	4860	9850	7500
50	TLA 5020		69	50	58	20	2930	6540	6500
	TLA 5025		86	50	58	25	3760	9010	6500
	TA 5012		62.5	50	62	12	1800	2450	6500
	TA 5015		78	50	62	15	2630	3980	6500
	TA 5020		107	50	62	20	3870	6530	6500
	TA 5025		134	50	62	25	5000	9080	6500
	TAW 5045		230	50	62	45	7820	16100	6500
55	TA 5520		116	55	67	20	4040	7100	5500
	TA 5525		145	55	67	25	5220	9880	5500
	TA 5530		175	55	67	30	6320	12600	5500
	TAW 5550		280	55	67	50	9330	20900	5500
60	TA 6025		158	60	72	25	5570	11100	5000
	TA 6030		191	60	72	30	6760	14200	5000
	TA 6040		250	60	72	40	8740	19700	5000
62	TA 6212		78	62	74	12	2050	3090	4500
65	TA 6525		169	65	77	25	5760	11900	4000
	TA 6530		205	65	77	30	6980	15200	4000
70	TA 7025		181	70	82	25	5960	12700	3500
	TA 7030		220	70	82	30	7230	16200	3500
	TA 7040		290	70	82	40	9380	22700	3500

冲压外圈滚针轴承(英制系列) Drawn Cup Needle Roller Bearings(Inch series)



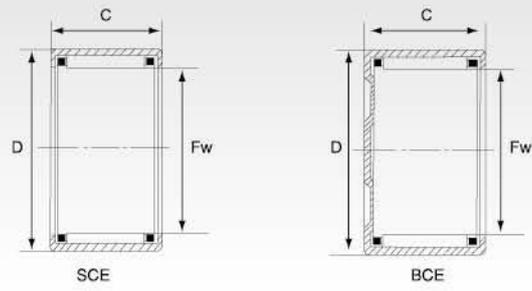
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
				mm			N		
3.175	SCE 55 + 内套		0.004	3.175	12.7	8.334			
3.97	SCE 21/24TN			3.97	7.15	6.35			
4.762	SCE 34TN			4.762	8.731	6.35			
6.35	SCE 47		0.004	6.35	11.112	11.13			
	SCE 49			6.35	11.112	14.287			
	SCE 49PP			6.35	11.112	14.29			
7.938	SCE 55	BCE55	0.0032	7.938	12.7	7.938	2892	2625	29000
	SCE 56P		0.006	7.938	12.7	9.52			
	SCE 57		0.006	7.938	12.7	11.11			
	SCE 59		0.003	7.938	12.7	14.29			
9.525	SCE 65	BCE65	0.004	9.525	14.288	7.94	2892	2417	25000
	SCE 66		0.006	9.525	14.288	9.52	3900	3950	29500
	SCE 68		0.0065	9.525	14.288	12.7			
	SCE 68K			9.525	14.288	9.271			
	SCE 69P		0.007	9.525	14.288	14.29			
	SCE 69		0.004	9.525	14.288	14.29			
9.525	SCE 610PP			9.525	14.288	15.88	3900	3950	29500
	SCE 78		0.005	11.112	15.875	12.7	6400	7800	25000
12.7	SCE 85		0.0047	12.7	17.462	7.94			
	SCE 86		0.006	12.7	17.462	9.52			
	SCE 86A		0.007	12.7	17.462	9.52			
	SCE 87		0.006	12.7	17.462	11.11	7340	7800	22000
	SCE 88		0.009	12.7	17.462	12.7	6897	9033	19000
	SCE 810ZOH		0.009	12.7	17.462	15.88	8811	12237	19000
	SCE 810PP		0.009	12.7	17.462	15.88	8811	12237	19000
14.288	SCE 96		0.005	14.288	19.05	9.52	5162	6408	18000
	SCE 98		0.008	14.288	19.05	12.7	7698	10769	18000
	SCE 910		0.01	14.288	19.05	15.88	9434	14017	18000
	SCE 912		0.013	14.288	19.05	19.05	10724	16465	18000
15.875	SCE 105		0.0075	15.875	20.638	7.94	4300	5200	17600
	SCE 107-1/2		0.009	15.875	20.638	11.91	7100	10300	17600
	SCE108	BCE108	0.01	15.875	20.638	12.7	8743	12015	16000
	SCE109P			15.875	20.638	14.29	8743	12015	16000
	SCE1010		0.011	15.875	20.638	15.88	10368	16242	16000
	SCE1010PP		0.013	18.875	20.638	15.88	10368	16242	16000
	SCE1012		0.014	15.875	20.638	19.05	12015	19802	16000
17.462	SCE1012PP		0.014	15.875	20.638	19.05	12015	19802	16000
	SCE118		0.014	17.462	22.225	12.7	8600	13200	16000
17.462	SCE1112		0.016	17.462	22.225	19.05	12400	21000	16000

冲压外圈滚针轴承 (英制系列) Drawn Cup Needle Roller Bearings (Inch series)



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
				mm			N		
19.05	SCE 128		0.013	19.05	25.4	12.7	9800	12500	14700
	SCE 120			19.05	34	14.5			
	SCE 129P		0.019	19.05	25.4	14.29	10000	13500	15200
	SCE 1210PPR		0.017	19.05	25.45	15.88	12682	17577	13000
	SCE 1211(P)		0.018	19.05	25.4	17.46	15352	22250	13000
	SCE 1212		0.021	19.05	25.4	19.05	15352	22250	13000
	SCE 1214PP			19.05	25.4	22.22			
	SCE 1216		0.030	19.05	25.4	25.4			
20.638	SCE 1312		0.024	20.638	26.988	19.05	16020	23585	12000
22.225	SCE 146		0.013	22.225	28.575	9.52	8200	10700	12600
	SCE 148		0.019	22.225	28.575	12.7	11125	15797	11000
	SCE 148-OH		0.019	22.225	28.575	12.7	11125	15797	11000
	SCE 1412		0.028	22.225	28.575	19.05	16910	27145	11000
	SCE 1416		0.034	22.225	28.575	25.4	22100	38000	12600
25.4	SCE 168		0.019	25.4	31.75	12.7	12682	19135	10000
	SCE 1612		0.027	25.4	31.75	19.05	18022	30260	10000
	SCE 1614PP			25.4	31.75	22.22			
	SCE 1616		0.038	25.4	31.75	25.4	24920	45390	10000
	SCE 1616PP		0.038	25.4	31.75	25.4	24920	45390	10000
	SCE 1620		0.048	25.4	31.75	31.75			
28.575	SCE 188		0.021	28.575	34.925	12.7	12905	20247	9000
	SCE 1816	BCE1816	0.04	28.575	34.925	25.4	25810	49395	9000
	SCE 1820		0.053	28.575	34.925	31.75			
31.242	SCE 2020A			31.242	38.1	31.75			
31.75	SCE 2010		0.03	31.75	38.1	15.88	21137	39605	8000
	SCE 2012		0.037	31.75	38.1	19.05	16500	29000	8000
	SCE 2016	BCE2016	0.045	31.75	38.1	25.4	27145	54735	8800
	SCE 2020		0.056	31.75	38.1	31.75			
34.925	SCE 228		0.025	34.925	41.275	12.7	13600	23700	8000
	SCE 2212		0.039	34.925	41.275	19.05	21360	42720	7500
	SCE 2216		0.058	34.925	41.275	25.4	27590	59185	7500
	SCE 2220		0.081	34.925	41.275	31.75	34000	77000	8000
38.1	SCE 2416		0.083	38.1	47.625	25.4	38715	66305	6500
	SCE 2420		0.105	38.1	47.625	31.75			
41.275	SCE 2620		0.11	41.275	50.8	31.75	51000	97000	6800
44.45	SCE 2812		0.082	44.45	53.975	19.05	31500	55000	6300
	SCE 2816	BCE2816	0.115	44.45	53.975	25.4	41385	75650	6000
	SCE 2824		0.163	44.45	53.975	38.1			
50.8	SCE 3216		0.102	50.8	60.33	25.4			

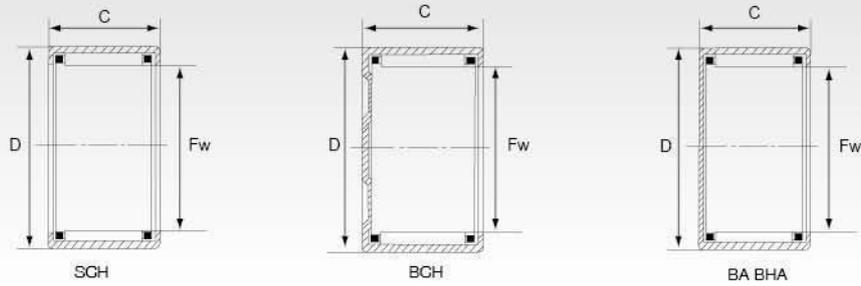
冲压外圈滚针轴承(英制系列) Drawn Cup Needle Roller Bearings(Inch series)



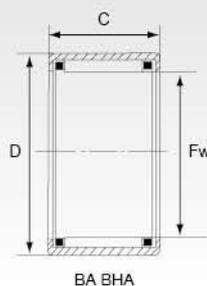
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	油润滑 Oil
				mm			N		rpm
50.8	SCE 32 160OH			50.8	60.38	25.4			
	SCE 3220		0.140	50.8	60.325	31.75	55180	115700	5000

注：OH、ZOH带油孔；P PP带密封圈。 Note: OH、ZOH with oil hole,P PP with seal ring.

冲压外圈滚针轴承(英制系列) Drawn Cup Needle Roller Bearings(Inch series)

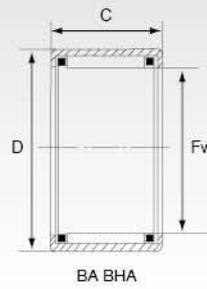


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
				mm			N		
12.7	SCH 87		0.009	12.7	19.05	11.13			
14.29	SCH 910		0.013	14.29	20.64	15.88			
	SCH 912		0.017	14.29	20.64	19.05			
15.875	SCH 108		0.013	15.875	22.225	12.7			
	SCH 1012		0.019	15.875	22.225	19.05			
22.225	SCH 1412		0.032	22.225	30.162	19.05			
	SCH 1413			22.225	30.162	20.64			
	SCH 1413P			22.225	30.162	20.64			
	SCH 1416PP			22.225	30.162	25.4			
25.4	SCH 1416		0.043	22.225	30.162	25.4			
	SCH 1612		0.036	25.4	33.338	19.05			
	SCH 1614P			25.4	33.338	22.22			
28.575	SCH 1616		0.047	25.4	33.338	25.4			
	SCH 1812		0.048	28.575	38.1	19.05			
	SCH 1816		0.063	28.575	38.1	15.4			
31.75	SCH 2016		0.071	31.75	41.28	25.4			
34.925	SCH 2213P			34.925	44.45	20.62			
BCH 系列									
9.525	BCH 68		0.0082	9.525	15.875	12.7	500	480	40000
17.02	BCH 06604			17.02	23.83	17.53			
31.75	BCH 2020		0.0815	31.75	41.275	31.75	4080	7100	12000
BHA 系列									
12.7	BHA 88ZOH		0.0104	12.7	19.05	12.7	620	680	30000
	BHA 810ZOH		0.0125	12.7	19.05	15.88	900	1110	30000
17.462	BHA 1112ZOH		0.0193	17.462	23.812	19.05	1350	2020	25000
25.4	BHA 1612		0.0335	25.4	33.338	19.05	1970	3030	15000
28.575	BHA 1816ZOH		0.06	28.575	38.1	25.4	3050	4950	13000
31.75	BHA 2020ZOH		0.0815	31.75	41.275	31.75	4080	7100	12000



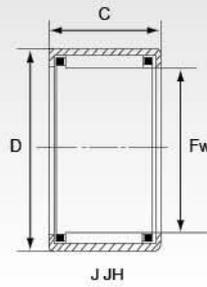
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
				mm			N		
6.35	BA 44ZOH		2.1	6.35	11.112	6.35	150	110	55000
	BA 47ZOH		3.5	6.35	11.112	11.13	270	240	55000
7.938	BA 55ZOH		3	7.938	12.7	7.92	190	160	45000
	BA 57ZOH		4.3	7.938	12.7	11.13	340	330	45000
9.525	BA 66		4.2	9.525	14.288	9.525	320	310	40000
	BA 66ZOH		4.2	9.525	14.288	9.52	320	310	40000
	BA 68		5.7	9.525	14.288	12.7	430	470	40000
	BA 610Z		7	9.525	14.288	15.88	580	680	40000
12.7	BA 88ZOH		7.2	12.7	17.462	12.7	480	580	30000
	BA 810		8.9	12.7	17.462	15.88	650	850	30000
	BA 810ZOH		8.9	12.7	17.462	15.88	650	850	30000
	BA 812ZOH		10.6	12.7	17.462	19.05	800	1120	30000
14.288	BA 910ZOH		9.9	14.288	19.05	15.88	720	1010	30000
15.875	BA 105Z		5.3	15.875	20.638	7.94	290	330	25000
	BA 107ZOH		7.6	15.875	20.638	11.11	510	680	25000
	BA 108ZOH		8.7	15.875	20.638	12.7	550	740	25000
	BA 1010ZOH		10.8	15.875	20.638	15.88	750	1100	25000
	BA 1012Z		12.9	15.875	20.638	19.05	920	1430	25000
17.462	BA 118ZX		9.5	17.462	22.225	12.7	630	900	25000
19.05	BA 126ZOH		10	19.05	25.4	9.52	510	600	20000
	BA 128		13.5	19.05	25.4	12.7	700	890	20000
	BA128ZOH		13.5	19.05	25.4	12.7	700	890	20000
	BA 1210		17	19.05	25.4	15.88	970	1350	20000
	BA 1210ZOH		17	19.05	25.4	15.88	970	1350	20000
	BA 1212ZOH		20.5	19.05	25.4	19.05	1220	1800	20000
22.225	BA 146ZOH		11.5	22.225	28.575	9.52	550	690	18000
	BA 148ZOH		15.6	22.225	28.575	12.7	760	1080	18000
	BA 1412ZOH		23.5	22.225	28.575	19.05	1310	2080	18000
	BA 1416ZOH		31	22.225	28.575	25.4	1790	3110	18000
25.4	BA 1612		26.5	25.4	31.75	19.05	1450	2470	15000
	BA 1612ZOH		26.5	25.4	31.75	19.05	1450	2470	15000
	BA 1616		35.5	25.4	31.75	25.4	1980	3700	15000
	BA 1616ZOH		35.5	25.4	31.75	25.4	1980	3700	15000
28.575	BA 188		19.5	28.575	34.925	12.7	880	1360	13000
	BA 1816Z		39	28.575	34.925	25.4	2090	4110	13000
	BA 1816		39	28.575	34.925	25.4	2090	4110	13000
30.162	BA 1916ZOH		52	30.162	38.1	25.4	2630	4620	12000
31.75	BA 2012		32.5	31.75	38.1	19.05	1600	3020	12000
	BA 2012ZOH		32.5	31.75	38.1	19.05	1600	3020	12000

冲压外圈滚针轴承(英制系列) Drawn Cup Needle Roller Bearings(Inch series)



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
				mm			N		
31.75	BA 2016ZOH		43	31.75	38.1	25.4	2190	4520	12000
	BA 2020		53.5	31.75	38.1	31.75	2750	6040	12000
	BA 2020ZOH		53.5	31.75	38.1	31.75	2750	6040	12000
34.525	BA 2216ZOH		47.5	34.925	41.275	25.4	2350	5120	10000
38.1	BA 2420		97.5	38.1	47.625	31.75	3980	7570	9000
	BA 2420ZOH		97.5	38.1	47.625	31.75	3980	7570	9000
41.275	BA 2610		52	41.275	50.8	15.88	1930	3060	8000
	BA 2620ZOH		105	41.275	50.8	31.75	4220	8370	8000
44.45	BA 2812ZOH		67.5	44.45	53.975	19.05	2570	4540	7500
	BA 2816ZOH		91	44.45	53.975	25.4	3540	6870	7500
50.8	BA 3216ZOH		104	50.8	60.325	25.4	3780	7800	6000
BAM 系列									
9.525	BAM 66K			9.525	14.288	10.5			
	BAM 66		4.6	9.525	14.2875	9.525	320	310	40000
12.7	BAM 812		11.3	12.7	17.462	19.05	800	1120	30000

冲压外圈滚针轴承(英制系列) Drawn Cup Needle Roller Bearings(Inch series)



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed	
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	脂润滑 Oil	油润滑 Oil
				mm			N			rpm
4.76	J-35			4.76	8.73	9.525	257	352		75000
6.35	J-45			6.35	11.11	7.92	290	331		57000
	J-47			6.35	11.11	11.13	473	617		57000
7.94	J-55			7.94	12.7	7.92	315	383		44000
	J-57			7.94	12.7	11.13	560	805		44000
	JH-57			7.94	14.29	11.13	696	849		47000
9.525	J-65			9.525	14.29	7.92	358	474		36000
	J-66			9.525	14.29	9.52	500	728		36000
	J-68			9.525	14.29	12.7	755	1240		36000
	JH-68			9.525	15.88	12.7	987	1370		38000
11.11	J-78			11.11	15.88	12.7	882	1580		30000
	JH-78			11.11	17.46	12.7	1060	1510		30000
12.548	J-88K			12.548	17.463	12.7	914	1710		26000
14.288	J-910			14.288	19.05	15.88	1190	2490		23000
	J-108			15.88	20.64	12.7	970	1970		21000
15.88	JH-1010			15.88	22.225	15.88	1280	2930		21000
17.462	JH-1112			17.462	23.812	19.05	1830	4610		19000
19.05	J-1212			19.05	25.4	19.05	2320	4880		18000
22.225	J-148			22.225	28.58	12.7	1640	3270		15000
	JH-1412			22.225	30.16	19.05	2710	5450		15000
	JH-14160H			22.225	30.162	25.4	2710	5450		15000
25.4	JH-1616			25.4	33.34	25.4	4090	9570		13000
28.58	JH-1818			28.58	38.1	28.58	5440	12500		12000
35.61	JH-1470			35.61	57.2	17.8	5680	13500		10000
41.275	J-2616			41.275	50.8	25.4	5890	15600		7900
50.8	J-3216			50.8	60.32	25.4	6350	18400		6300

密封的冲压外圈滚针轴承带有密封唇密封。在一般条件下，可保护轴承免于杂物侵入和防止润滑脂的泄漏。密封圈采用合成橡胶制成，使用温度为 $-20^{\circ}\text{C} \sim 120^{\circ}\text{C}$ 。轴承供货时内部已注有高质量锂基脂。另外，冲压外圈滚针轴承以不带油孔为标准设计，双列冲压外圈滚针轴承以带油孔标准设计，如需改变请在订货时说明。

HK...2RS穿孔型双面密封冲压外圈滚针轴承，HK...RS穿孔型单面密封冲压外圈滚针轴承，BK...RS封口型单面密封冲压外圈滚针轴承。

冲压外圈有密封圈滚针轴承

Drawn Cup Needle Roller Bearing With Seal Ring



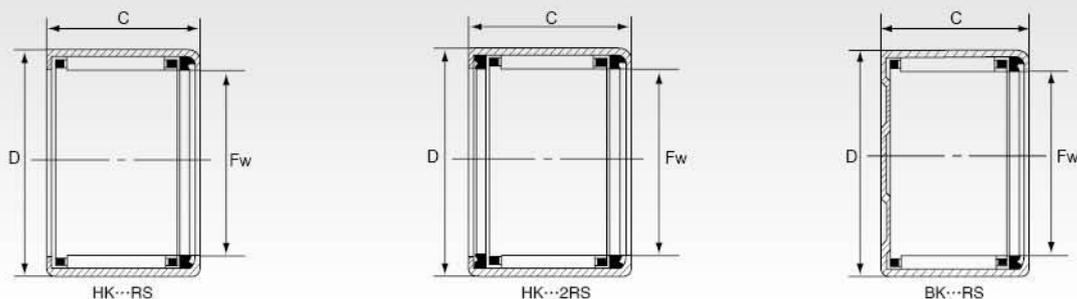
The sealed drawn cup needle roller bearing is mounted with sealing lip. In general, the sealing lip can protect bearing from penetration of impurities and leakage of lubricating grease. The seal ring is made of synthetic rubber with operating temperature in $-20^{\circ}\text{C} \sim 120^{\circ}\text{C}$. The bearings are fed with high-quality lithium base grease. In addition, it is standard design for drawn cup needle roller bearing without oil hole and doublerow drawn cup needle roller bearing with oil hole. it should be stated in order if changed.

Model HK...2RS open-end double-seal drawn cup needle roller bearing,

Model HK...RS open-end single-seal drawn cup needle roller bearing,

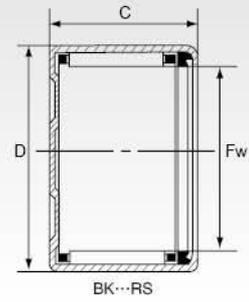
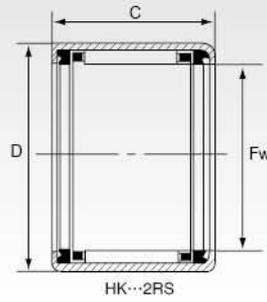
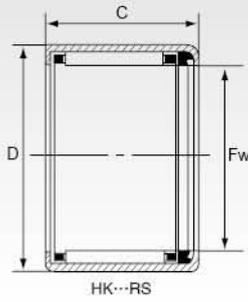
Model BK...RS close-end single seal drawn cup needle roller bearing

冲压外圈有密封圈滚针轴承 Drawn Cup Needle Roller Bearings With Seal Ring



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed
	现型号 Current Code		Fw	D	C	动 Dynamic	静 Static	油润滑 Oil
			mm			N		rpm
8	HK0810RS	2.9	8	12	10	2250	2100	19000
	HK08122RS	3.5	8	12	12	2250	2100	19000
9	HK09X13X12 RS	4	9	13	12	3800	4300	19000
10	HK1012 RS	4.2	10	14	12	4100	5000	19000
	HK1014 2RS	5.2	10	14	14	4100	5000	15000
12	HK1214 RS	10.7	12	18	14	6100	7000	15000
	HK1216 2RS	11.5	12	18	16	6100	7000	12000
13	HK13X19X12RS	8.9	13	19	12	6800	7580	12000
14	HK1414 RS	12	14	20	14	6100	7500	13000
	HK1416 2RS	14	14	20	16	6100	7500	11000
	BK1414 RS	14.1	14	20	14	6100	7500	11000
15	HK1514 RS	12.6	15	21	14	6800	8800	11000
	HK1516 2RS	14.3	15	21	16	6800	8800	10000
	BK1514 RS	14.4	15	21	14	6800	8800	10000
	HK1518 RS	16	15	21	18	9500	11400	10000
16	HK1520 2RS	18	15	21	20	9500	11400	10000
	HK1614 RS	15.1	16	22	14	7200	9200	10000
	HK1616 2RS	15.1	16	22	16	7200	9200	10000
	BK1614 RS	15.3	16	22	14	7200	9200	10000
	HK1620 2RS	16.8	16	22	20	9900	12300	10000
17	HK1625 2RS	16	22	25	25	9900	12300	10000
	HK17X25X14 RS	17.7	17	25	14	8000	9800	10000
	HK17X25X15.5 RS	20	17	25	15.5	9320	10400	13000
	HK17X25X18 RS	23.5	17	25	18	10500	12600	13000
	HK17X25X20 RS	26.2	17	25	20	11600	13200	13000
18	HK1814 RS	15.1	18	24	14	7800	9900	13000
	HK1816 2RS	17	18	24	16	7800	9900	9200
20	HK201 2RS	11.7	20	26	12	9500	11900	9200
	HK2016 2RS	18.8	20	26	16	8000	10100	9000
	HK2018 RS	21.4	20	26	18	12700	20100	8200
	HK2020 2RS	23.5	20	26	20	12700	20100	7800
	BK201 8 RS	24.4	20	26	18	12700	20100	7800
	HK20X29X18 RS	28.8	20	29	18	8700	9980	7800
22	HK2212 RS	14	22	28	12	8310	10000	9000
	HK2214 RS	18.3	22	28	14	9000	12400	7800
	HK2216 2RS	20.3	22	28	16	9000	12400	7800
	HK2218 RS	23.5	22	28	18	10400	20100	7800
	HK2220 2RS	25.5	22	28	20	10400	20100	7800
25	HK2516 2RS	27.3	25	32	16	9800	13200	6900

冲压外圈有密封圈滚针轴承 Drawn Cup Needle Roller Bearings With Seal Ring



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed
	现型号 Current Code		Fw	D	C	动 Dynamic	静 Static	油润滑 Oil
			mm			N		rpm
25	HK2518 RS	31	25	32	18	13600	20000	6900
	HK2520 2RS	33.1	25	32	20	13600	20000	6900
	BK2518 RS	35.3	25	32	18	13600	20000	6900
	HK2524 2RS	39.7	25	32	24	17900	30000	6900
	HK2530 2RS	47.3	25	32	30	24500	43000	6900
28	HK2820 2RS	36.9	28	35	20	11400	22500	5300
30	HK3016 2RS	28.5	30	37	16	10100	16200	5300
	HK3018 RS	36.6	30	37	18	16200	26000	5300
	HK3020 2RS	39.1	30	37	20	16200	26000	5300
	HK3024 2RS	49.7	30	37	24	21000	38500	5300
35	HK3516 2RS	36.4	35	42	16	10100	20300	4900
	HK3518 RS	37.4	35	42	18	16700	30500	4900
	HK3520 2RS	41.1	35	42	20	16700	30500	4900
40	HK4016 2RS	41.2	40	47	16	11000	21300	4200
	HK4018 RS	47.3	40	47	18	19000	30500	4200
	HK4020 2RS	50.2	40	47	20	19000	30500	4200
45	HK4518 RS	54.2	45	52	18	20300	41000	3800
	HK4520 2RS	57.4	45	52	20	20300	41000	3800
50	HK5022 RS	77.2	50	58	24	30000	61000	3200
	HK5024 2RS	84	50	58	24	30000	61000	3200

这种轴承有延伸至外圈滚道面全宽的满滚针组成，因此，它可以承受高负荷，并且非常适用摇摆动作的低速及中速情况下。因为润滑在出厂前已经预装在轴承内，所以一旦装配完成即可使用。F、FH穿孔型冲压外圈满针尖头滚针轴承，MF、MFH封口型冲压外圈满针尖头滚针轴承，FY穿孔型冲压外圈满针平头滚针轴承，MFY封口型冲压外圈满针平头滚针轴承。

冲压外圈满装滚针轴承

Drawn Cup Full Complement Needle Roller Bearing



This kind bearing consists of full of needles extending to outer raceway, thus bearing high load. It is applied to the situation where the devices mounted with needle roller bearings run in swinging operation with low and middle speed. Since the bearings are fed with lubricating grease when are delivered, it is unnecessary to add the lubricating grease in assembling.

Model F, FH open-end drawn cup needle roller bearing with full of needles,

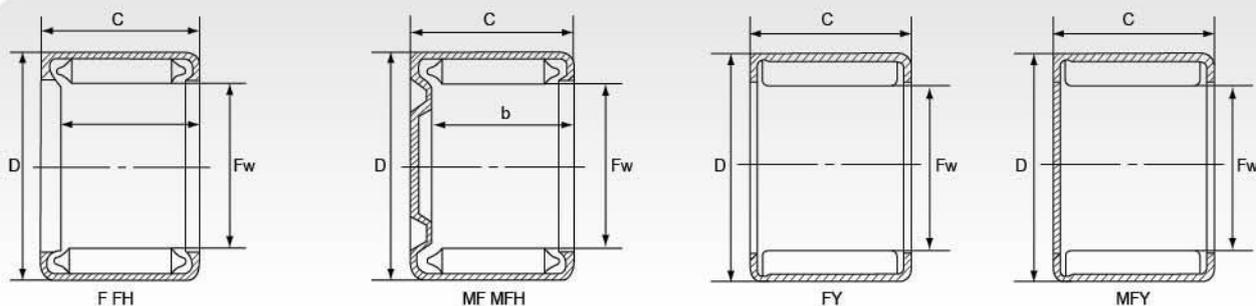
Model MF, MFH hole-sealed drawn cup needle roller bearing with full of needles,

Model FY open-end drawn cup needle roller bearing with full of flat-head needles,

Model MFY close-end drawn cup needle roller bearing with full of flat-head needle.

冲压外圈满装滚针轴承

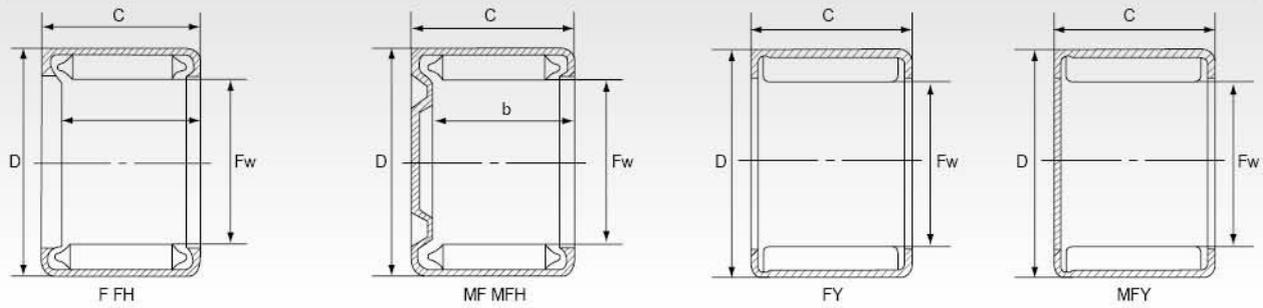
Drawn Cup Full Complement Needle Roller Bearings



轴径 Shaft Diameter (mm)	轴径型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
				mm			N		
6	F-0608	30941/6	2.5	6	10	8	3080	5800	12000
8	F-0810	50941/8	3.7	8	12	10	4050	7150	13000
	FH-0810	941/8	7	8	14	10	5200	7150	7400
9	FH-0812	942/8	9	8	14	12	4550	7150	7400
	F-0910	50941/9	4	9	13	10	4900	8050	12000
10	F-091510	941/9	6	9	15	10	8000	11500	7100
	F-091513	942/9	8	9	15	13	8560	12800	7100
12	F-1010	50941/10	4.2	10	14	10	5700	9350	11000
	FH-1010	941/10	6.5	10	16	10	6350	10800	11000
	F-101615	942/10	12	10	16	15	6890	11500	7100
15		943/10		10	16	17	6500	11000	7000
	F-1212	60941/12	6	12	16	12	6380	10900	7100
	F-121712	941/12	8	12	17	12	8400	11900	7100
	F-121715	942/12	10.5	12	17	15	9000	12500	7100
17	F-121718	943/12	13	12	17	18	9800	13500	7100
	F-15X20X12	941/15	10	15	20	12	8400	11900	7100
	F-15X20X16	942/15	13.6	15	20	16	9500	12800	7100
	F-15X20X20	943/15	17.2	15	20	20	10500	16000	7100
20	F-15X20X20	Y 152020	20	15	20	20	10500	16000	7100
	F-1512	30941/15	12	15	21	12	9700	15900	8100
	F-1616	50941/16	17	16	22	16	14100	25900	7700
	F-1712	30941/17	13	17	23	12	10600	21600	7300
18	F-1714	941/17	15	17	23	14	12500	22500	7300
	F-1718	942/17	21	17	23	18	13800	24800	7300
	F-1722	943/17		17	23	22	13500	24000	7100
22	F-1816	50941/18	18	18	24	16	15000	29100	6900
	F-2014	941/20	17	20	26	14	15800	40500	6900
	F-2020	942/20	26	20	26	20	18800	42500	6900
25	F-20X26X25	943/20	33	20	26	25	20500	35500	6300
	F-2212	30941/22	14	22	28	12	9000	13300	5800
	F-2216	50941/22	22	22	28	16	17000	33000	5800
	F--2220	70941/22	29	22	28	20	20300	47200	5800
25	F-2516	941/25	28	25	32	16	18700	37900	5100
	F-2522	942/25	40	25	32	22	11000	16500	5100
	F-25X32X25	943/25	43	25	32	25	11500	18500	5100
	F-25X33X08	Y253308	16.7	25	33	8	12200	16800	4300

冲压外圈满装滚针轴承

Drawn Cup Full Complement Needle Roller Bearings



轴径 Shaft Diameter (mm)	轴径型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	D	C	动 Dynamic	静 Static	
				mm			N		
25	F-2512	20941/25	17	25	32	12	5250	6000	5100
	F-2520	60941/25	43	25	32	20	22800	46000	5100
28	F-2820	60941/28	118	28	35	20	25700	58300	4600
	F-2812	20941/28	31.7	28	35	12	16500	38600	4600
	F-2816	40941/28	36	28	35	16	20200	42900	4600
30	F-3020	60941/30	42	30	37	20	26800	62500	4300
	MF-3020	65941/30	48	30	37	20	26800	62500	4300
	F-30X38X16	941/30	37.5	30	38	16	25500	57500	4600
	F-30X38X24	942/30	37.5	30	38	24	28800	64500	4300
	F-30X38X32	943/30	81.5	30	38	32	34500	78900	4300
	F-3014	30941/30	37	30	37	14	19600	41200	4600
	F-3016	4094/30	40	30	37	16	21700	46500	4300
32	F-3026		58.5	30	37	26	35000	74000	4300
	F-32X39X32	943/32		32	39	32	35000	74000	4300
35	F-3216	40941/32	35	32	39	16	25800	61500	4300
	F-3520	60941/35	49	35	42	20	24000	69100	3700
	F-35X43X16	941/35	41	35	43	16	23500	68000	3700
	F-35X43X25	942/35	72	35	43	25	38700	86200	3200
	F-35X43X32	943/35	90	35	43	32	40500	98700	3200
40	F-3512	20941/35	36	35	42	12	19000	59000	3700
	F-4020	60941/40	56	40	47	20	30300	52600	3300
	FH-4032	942/40	88	40	50	32	42500	108000	2600
	MFH-4032	86942/40	95	40	50	32	42500	108000	2600
	FH-40X50X38	943/40	105	40	50	38	44800	118500	2600
45	F-4016	40941/40	51	40	47	16	26500	62000	3300
	F-4520		62	45	52	20	30400	30400	2900
	FH45X55X38	943/45	140	45	55	38	45800	45800	2900
50	F-4516	40941/45	49	45	52	16	23800	65900	2900
	F-5020	50941/50	78	50	58	20	35800	98000	2600
55	FH-50X60X38	943/50	145	50	60	38	50500	145800	2600
	F-5520	50941/55	97	55	63	20	39500	102000	2600
60	F-60X68X38	943/60	185	60	68	38	50200	145000	2600

冲压外圈满装滚针轴承(英制系列)

Drawn Cup Full Complement Needle Roller Bearings(Inch series)



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed rpm
	穿孔型 Open end	封口型 Closed end	Fw	D	C	动 Cr	静 Cor	
						Dynamic	Static	
			mm			N		
1/8	B-24	-	3.175	6.350	6.35	1.73	1.65	13 000
5/32	B-2-1/2-4	-	0.1250	0.2500	0.250	390	370	11 000
	B-2-1/2-5	-	3.970	7.142	6.35	2.00	2.00	
3/16	B-34	M-341	0.1463	0.2812	0.250	450	450	11 000
	B-34	M-341	3.970	7.142	7.92	2.58	2.80	
	B-34	M-341	0.1563	0.2812	0.312	580	630	
	B-34	M-341	4.763	8.733	6.35	2.22	2.14	
6.35	B-36	M-361	0.1875	0.3438	0.250	500	480	11 000
	B-36	M-361	4.763	8.733	9.53	3.78	4.23	
	B-36	M-361	0.1875	0.3438	0.375	850	950	
7.94	B-44	M-441	6.35	11.11	6.35	566	531	10 000
	B-45	M-451	6.35	11.11	7.92	768	786	10 000
	B-47	M-471	6.35	11.11	11.13	1 210	1 410	10 000
7.94	B-55	M-551	7.94	12.70	7.92	883	985	8 300
	B-56	-	7.94	12.70	9.52	1 140	1 370	8 300
	B-57	M-571	7.94	12.70	11.13	1 390	1 770	8 300
	B-59	-	7.94	12.70	14.27	1 850	2 550	8 300
	BH-57	-	7.94	14.29	11.13	1 530	1 590	11 000
9.52	BH-59	-	7.94	14.29	14.27	2 080	2 340	11 000
	B-65	M-651	9.52	14.29	7.92	984	1 180	7 100
	B-66	M-661	9.52	14.29	9.52	1 280	1 650	7 100
	B-67	-	9.52	14.29	11.13	1 550	2 120	7 100
	B-68	M-681	9.52	14.29	12.70	1 810	2 590	7 100
	B-69	-	9.52	14.29	14.27	2 070	3 070	7 100
	BH-68	-	9.52	15.88	12.70	2 050	2 380	9 400
11.11	B-76	-	11.11	15.88	9.52	1 390	1 930	6 300
	B-77	-	11.11	15.88	11.13	1 700	2 480	6 300
	B-78	M-781	11.11	15.88	12.70	1 980	3 030	6 300
	B-710	-	11.11	15.88	15.88	2 520	4 130	6 300
	BH-78	-	11.11	17.46	12.70	2 260	2 780	8 300
12.70	B-85	-	12.70	17.46	7.92	1 160	1 580	5 500
	B-86	M-861	12.70	17.46	9.52	1 500	2 200	5 500
	B-87	M-871	12.70	17.46	11.13	1 830	2 840	5 500
	B-88	M-881	12.70	17.46	12.70	2 130	3 460	5 500
	B-810	M-8101	12.70	17.46	15.88	2 720	4 720	5 500
	B-812	M-8121	12.70	17.46	19.05	3 260	5 980	5 500
	BH-87	-	12.70	19.05	11.13	2 060	2 550	7 500
	BH-88	-	12.70	19.05	12.70	2 450	3 180	7 500
	BH-810	-	12.70	19.05	15.88	3 180	4 440	7 500
	BH-812	-	12.70	19.05	15.88	3 850	5 690	7 500
14.29	B-95	M-951	14.29	19.05	7.92	1 240	1 780	5 000
	B-96	-	14.29	19.05	9.52	1 600	2 480	5 000
	B-97	-	14.29	19.05	11.13	1 950	3 190	5 000
	B-98	-	14.29	19.05	12.70	2 280	3 900	5 000
	B-910	-	14.29	19.05	15.88	2 900	5 310	5 000
	B-912	M-9121	14.29	19.05	19.05	3 480	6 730	5 000
	BH-98	-	14.29	20.64	12.70	2 630	3 580	6 800
	BH-910	-	14.29	20.64	15.88	3 400	5 000	6 800
15.88	BH-912	-	14.29	20.64	19.05	4 130	6 410	6 800
	B-105	-	15.88	20.64	7.92	1 310	1 980	4 500
	B-107	M-1071	15.88	20.64	11.13	2 070	3 550	4 500
	B-108	M-1081	15.88	20.64	12.70	2 410	4 330	4 500
	B-1010	-	15.88	20.64	15.88	3 070	5 900	4 500
B-1012	M-10121	15.88	20.64	19.05	3 690	7 480	4 500	

冲压外圈满装滚针轴承(英制系列)

Drawn Cup Full Complement Needle Roller Bearings(Inch series)



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed rpm
	穿孔型 Open end	封口型 Closed end	Fw	D	C	动 Cr	静 Cor	
						Dynamic	Static	
			mm			N		
15.88	BH-108	MH-1081	15.88	22.22	12.70	2 790	3 980	6 200
	BH-1010	-	15.88	22.22	15.88	3 620	5 530	6 200
	BH-1012	-	15.88	22.22	19.05	4 390	7 130	6 200
	BH-1016	-	15.88	22.22	25.40	5 830	10 300	6 200
17.46	B-116	-	17.46	22.22	9.52	1 790	3 030	4 200
	B-118	-	17.46	22.22	12.70	2 540	4 770	4 200
	B-1110	M-11101	17.46	22.22	15.88	3 230	6 500	4 200
	B-1112	M-11121	17.46	22.22	19.05	3 880	8 230	4 200
	BH-117	-	17.46	23.81	11.13	2 480	3 510	5 700
	BH-1110	MH-11101	17.46	23.81	15.88	3 820	6 110	5 700
	BH-1112	-	17.46	23.81	19.05	4 640	7 840	5 700
	BH-1112	-	17.46	23.81	19.05	4 640	7 840	5 700
19.05	B-126	-	19.05	25.40	9.52	2 100	2 900	5 500
	B-128	M-1281	19.05	25.40	12.70	3 100	4 790	5 500
	B-1210	M-12101	19.05	25.40	15.88	4 010	6 670	5 500
	B-1212	M-12121	19.05	25.40	19.05	4 870	8 560	5 500
20.64	B-136	-	20.64	26.99	9.52	2 190	3 140	5 200
	B-138	M-1381	20.64	26.99	12.70	3 240	5 190	5 200
	B-1314	-	20.64	26.99	22.22	5 940	11 300	5 200
	B-1316	M-13161	20.64	26.99	25.40	6 760	13 400	5 200
	BH-1310	-	20.64	28.58	15.88	4 320	6 510	6 200
	BH-1312	-	20.64	28.58	19.05	5 340	8 550	6 200
22.22	B-146	-	22.22	28.58	9.52	2 280	3 380	4 800
	B-148	-	22.22	28.58	12.70	3 370	5 590	4 800
	B-1412	M-14121	22.22	28.58	19.05	5 300	9 990	4 800
	B-1416	M-14161	22.22	28.58	25.40	7 040	14 400	4 800
	B-1418	-	22.22	28.58	28.58	7 860	16 600	4 800
	BH-1410	-	22.22	30.16	15.88	4 470	7 030	5 880
	BH-1412	-	22.22	30.16	19.05	5 530	9 230	5 880
	BH-1416	-	22.22	30.16	25.40	7 480	13 600	5 880
23.81	B-158	-	23.81	30.16	12.70	3 500	5 990	4 500
	B-1516	M-15161	23.81	30.16	25.40	7 300	15 400	4 500
25.40	B-166	-	25.40	31.75	9.52	2 450	3 870	4 300
	B-167	-	25.40	31.75	11.13	3 050	5 120	4 300
	B-168	-	25.40	31.75	12.70	3 620	6 390	4 300
	B-1610	-	25.40	31.75	15.88	4 690	8 910	4 300
	B-1612	M-16121	25.40	31.75	19.05	5 690	11 400	4 300
	B-1616	M-16161	25.40	31.75	25.40	7 560	16 500	4 300
	BH-168	MH-1681	25.40	33.34	12.70	3 600	5 500	5 200
	BH-1610	-	25.40	33.34	15.88	4 830	8 020	5 200
	BH-1612	MH-16121	25.40	33.34	19.05	5 970	10 500	5 200
	BH-1616	MH-16161	25.40	33.34	25.40	8 090	15 600	5 200
	BH-1620	-	25.40	33.34	31.75	10 100	20 600	5 200
	BH-1624	-	25.40	33.34	38.10	11 900	25 600	5 200
26.99	B-1710	-	26.99	33.34	15.88	4 840	9 470	4 000
28.58	B-186	-	28.58	34.92	9.52	2 610	4 350	3 800

冲压外圈满装滚针轴承(英制系列)

Drawn Cup Full Complement Needle Roller Bearings(Inch series)



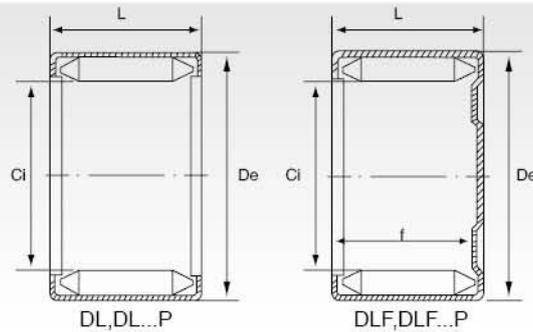
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed rpm
	穿孔型 Open end	封口型 Closed end	Fw	D	C	动 Cr	静 Cor	
						Dynamic	Static	
			mm			N		
28.58	B-188	-	28.58	34.92	12.70	3 850	7 190	3 800
	B-1812	-	28.58	34.92	19.05	6 060	12 900	3 800
	B-1816	M-18161	28.58	34.92	25.40	8 050	18 500	3 800
	BH-1812	-	28.58	38.10	19.05	6 920	11 500	5 500
	BH-1816	-	28.58	38.10	25.40	9 420	17 100	5 500
	BH-1820	-	28.58	38.10	31.75	11 800	22 900	5 500
30.16	B-1916	-	30.16	38.10	25.40	8 860	18 500	4 400
31.75	B-208	-	31.75	38.10	12.70	4 080	7 990	3 500
	B-2010	-	31.75	38.10	15.88	5 280	11 100	3 500
	B-2012	-	31.75	38.10	19.05	6 410	14 300	3 500
	B-2016	M-20161	31.75	38.10	25.40	8 510	20 600	3 500
	B-2020	M-20201	31.75	38.10	31.75	10 500	26 900	3 500
	BH-208	-	31.75	41.28	12.70	4 200	6 320	5 000
	BH-2012	-	31.75	41.28	19.05	7 250	12 700	5 000
	BH-2016	MH-20161	31.75	41.28	25.40	9 910	19 000	5 000
33.34	BH-2020	MH-20201	31.75	41.28	31.75	12 400	25 400	5 000
	B-218	-	33.34	41.28	12.70	4 180	7 220	4 000
	B-2110	-	33.34	41.28	15.88	5 600	10 500	4 000
	B-2120	-	33.34	41.28	31.75	11 700	27 200	4 000
34.92	B-228	-	34.92	41.28	12.70	4 280	8 790	3 200
	B-2212	-	34.92	41.28	19.05	6 730	15 700	3 200
	B-2216	-	34.92	41.28	25.40	8 950	22 700	3 200
	B-2220	-	34.92	41.28	31.75	11 000	29 600	3 200
	BH-2210	-	34.92	44.45	15.88	6 240	10 600	4 700
	BH-2212	-	34.92	44.45	19.05	7 770	14 100	4 700
	BH-2216	-	34.92	44.45	25.40	10 600	20 900	4 700
38.10	BH-2220	-	34.92	44.45	31.75	13 200	28 000	4 700
	B-248	-	38.10	47.62	12.70	4 780	7 830	4 300
	B-2410	-	38.10	47.62	15.88	6 500	11 600	4 300
	B-2412	-	38.10	47.62	19.05	8 090	15 400	4 300
	B-2414	-	38.10	47.62	22.22	9 590	19 200	4 300
	B-2416	M-24161	38.10	47.62	25.40	11 000	22 800	4 300
41.28	B-2420	M-24201	38.10	47.62	31.75	13 800	30 500	4 300
	B-268	-	41.28	50.80	12.70	4 920	8 390	3 900
	B-2610	-	41.28	50.80	15.88	6 710	12 500	3 900
	B-2616	-	41.28	50.80	25.40	11 400	24 800	3 900
	B-2620	-	41.28	50.80	31.75	14 300	33 000	3 900
44.45	B-2812	-	44.45	53.98	19.05	8 660	17 900	3 700
	B-2816	M-28161	44.45	53.98	25.40	11 800	26 700	3 700
	B-2820	-	44.45	53.98	31.75	14 800	35 500	3 700
	B-2824	-	44.45	53.98	38.10	17 600	44 300	3 700
47.62	B-308	-	47.62	57.15	12.70	5 380	9 790	3 500
	B-3012	-	47.62	57.15	19.05	9 100	19 200	3 500
	B-3016	-	47.62	57.15	25.40	12 400	28 600	3 500

冲压外圈满装滚针轴承(英制系列)

Drawn Cup Full Complement Needle Roller Bearings(Inch series)

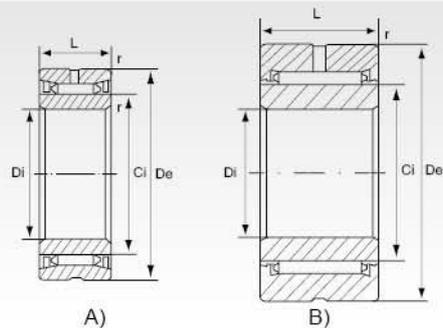


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed rpm
	穿孔型 Open end	封口型 Closed end	Fw	D	C	动 Cr	静 Cor	
						Dynamic	Static	
			mm			N		
50.80	B-328	-	50.80	60.32	12.70	5 490	10 300	3 300
	B-3216	M-32161	50.80	60.32	25.40	12 700	30 500	3 300
	B-3220	-	50.80	60.32	31.75	15 900	40 600	3 300
52.39	B-3228	M-32281	50.80	60.32	44.45	21 800	60 700	3 300
	BH-3312	-	52.39	64.29	19.05	10 100	19 000	4 000
	BH-3316	-	52.39	64.29	25.40	14 200	29 400	4 000
53.98	B-348	-	53.98	63.50	12.70	5 650	11 000	3 100
	B-3416	-	53.98	63.50	25.40	13 100	32 400	3 100
	B-3424	-	53.98	63.50	38.10	19 500	53 900	3 100
57.15	B-3612	-	57.15	66.68	19.05	10 100	12 000	3 000
	B-3620	-	57.15	66.68	31.75	17 300	23 800	3 000
	B-3624	-	57.15	66.68	38.10	20 500	29 700	3 000
66.68	B-4216	M-42161	66.68	76.20	25.40	14 800	20 600	2 500
69.85	B-4410	-	69.85	79.38	15.88	8 980	10 900	2 500
	B-4416	-	69.85	79.38	25.40	15 300	21 600	2 500
	B-4420	-	69.85	79.38	31.75	19 000	28 700	2 500

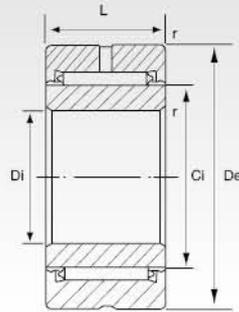


Welle ømm	Bezeichnungen Baureihen DL,DLF	Ci mm	De mm	L 0/-0.25 mm	f mini mm	Tragzahlen		Grenz- last N	Grenz- drehzahl min ⁻¹	Gewicht ca.	
	Baureihen DL...P,DLF...P nach ISO Toleranzen					Dyn.Cr N	Stat.Cor N			DL g	DLF g
6	DL,DLF 6 10	6	12	10	7.7	2 900	3 800	1 450	50 000	4,2	4,4
8	DL,DLF 8 10	8	14	10	7.7	4 500	6 500	2 000	37 500	5,3	5,6
9	DL,DLF 9 14 12	9	14	12	9.7	6 100	9 200	2 950	33 000	6,1	6,5
10	DL,DLF 10 12	10	16	12	9.7	7 000	10 900	3 400	30 000	8	8,5
12	DL,DLF 12 10	12	18	10	7.7	6 000	9 700	2 800	25 000	7,6	8,4
	DL,DLF 12 12	12	18	12	9.7	7 000	11 500	4 000	25 000	9,4	10,2
13	DL,DLF 13 12	13	19	12	9.7	8 500	14 200	4 200	23 000	9,9	10,9
14	DL,DLF 14 12	14	20	12	9.7	7 900	13 500	4 600	21 500	10,5	11,6
15	DL,DLF 15 12	15	21	12	9.7	9 400	16 400	4 800	20 000	11	12,2
16	DL,DLF 16 12	16	22	12	9.7	8 700	15 500	5 200	18 500	12	13,4
17	DL,DLF 17 12	17	23	12	9.7	9 000	16 200	5 400	17 500	13	14,4
	DL,DLF 17 23 12 P	17	23	12	9.7	9 000	16 200	5 400	17 500	13	14,4
18	DL,DLF 18 12	18	24	12	9.7	10 700	19 500	5 700	16 500	14	16
	DL,DLF 18 16	18	24	16	13.7	16 000	29 500	9 000	16 500	19	21
	DL,*DLF 18 24 16 P	18	24	16	13.7	16 000	29 500	9 000	16 500	19	21
20	DL,DLF 20 12	20	26	12	9.7	10 200	19 500	6 300	15 000	15	17
	DL,DLF 20 16	20	26	16	13.7	16 000	30 500	10 000	15 000	20	22
22	DL,DLF 22 16	22	28	16	13.7	17 000	33 000	10 800	13 500	22	25
25	DL,DLF 25 16	25	33	16	13.7	16 000	32 500	10 800	12 000	35	39
	DL,DLF 25 20	25	33	20	17.7	22 800	46 000	15 500	12 000	43	47
28	DL,DLF 28 20	28	36	20	17.7	24 500	52 000	17 000	11 000	47	51
30	DL,DLF 30 16	30	38	16	13.7	21 700	46 500	12 600	10 000	40	45
	DL,DLF 30 20	30	38	20	17.7	26 000	56 000	18 000	10 000	50	55
	DL,DLF 30 25	30	38	25	22.7	35 500	76 000	25 000	10 000	63	68
35	DL,*DLF 35 42 16 P	35	42	16	13.7	21 500	48 000	15 400	8 500	40	46
	DL,DLF 35 16	35	43	16	13.7	24 000	54 000	14 500	8 500	46	53
	DL,DLF 35 20	35	43	20	17.7	29 000	65 000	21 000	8 500	57	64
40	DL,DLF 40 16	40	48	16	13.7	26 500	62 000	16 500	7 500	51	61
	DL,DLF 40 20	40	48	20	17.7	36 000	84 000	23 500	7 500	64	74
44	DL,DLF 44 16	44	52	16	13.7	23 800	57 000	18 000	6 800	56	66
45	DL,*DLF 45 52 16 P	45	52	16	13.7	25 800	63 000	19 800	6 500	48	58
47	DL,*DLF 47 16	47	55	16	13.7	25 000	61 000	19 200	6 400	60	71
50	DL,*DLF 50 12	50	58	12	9.7	20 000	50 000	15 000	6 000	47	61
	DL,*DLF 50 18	50	58	18	15.7	36 500	92 000	24 500	6 000	71	85
	DL,*DLF 50 20	50	58	20	17.7	37 000	93 000	29 000	6 000	77	91
55	DL,DLF 55 20	55	63	20	17.7	39 500	102 000	32 000	5 500	86	102

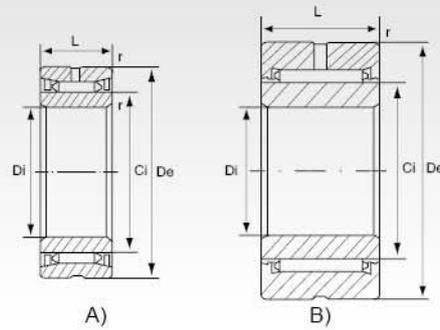
*Aut Antrage



Welle ømm	Bezeichnungen		Di mm	De mm	L mm	Ci mm	r mini mm	Tragzahlen		Grenz- drehzahl min ⁻¹	Gewicht ca. g
	Baureihen 1000 2000-22000 Bild A)bis 60 Bild B)über 60	Baureihen 3000 Bild B)						Dyn.Cr N	Stat.Cor N		
12	NA 1 012		12	28	15	17.6	0.35	11 000	16 500	21 600	50
15	NA 1 015		15	32	15	20.8	0.65	12 400	19 500	18 300	62
	NA 2 015		15	35	22	22.1	0.65	23 500	37 500	17 200	117
17	NA 1 017		17	35	15	23.9	0.65	13 700	22 500	15 900	73
20	NA 1 020		20	42	18	28.7	0.65	19 300	33 500	13 200	130
	NA 2 020		20	42	22	28.7	0.65	28 500	49 000	13 200	160
25	NA 1 025		25	47	18	33.5	0.65	21 500	39 000	11 100	151
	NA 2 025		25	47	22	33.5	0.65	33 000	60 000	11 100	187
	NA 22 025		25	47	30	33.5	0.65	52 000	94 000	11 100	259
30	NA 1 030		30	52	18	38.2	0.65	23 500	44 500	10 000	167
	NA 2 030		30	52	22	38.2	0.65	34 500	66 000	10 000	213
	NA 22 030		30	52	30	38.2	0.65	57 000	108 000	10 000	293
		NA 3 030		30	62	30	44	0.65	64 000	125 000	8 600
35	NA 1 035		35	58	18	44	0.65	26 000	51 000	8 600	204
	NA 2 035		35	58	22	44	0.65	38 000	75 000	8 600	253
	NA 22 035		35	58	30	44	0.65	63 000	124 000	8 600	352
		NA 3 035		35	72	36	49.7	0.65	90 000	183 000	7 600
40	NA 1 040		40	65	18	49.7	0.85	28 500	58 000	7 600	254
	NA 2 040		40	65	22	49.7	0.85	41 500	85 000	7 600	315
	NA 22 040		40	65	30	49.7	0.85	68 000	140 000	7 600	434
		NA 3 040		40	80	36	55.4	0.85	97 000	204 000	6 900
45	NA 1 045		45	72	18	55.4	0.85	30 500	65 000	6 900	306
	NA 2 045		45	72	22	55.4	0.85	45 000	95 000	6 900	381
		NA 3 045		45	85	38	62.1	0.85	105 000	230 000	6 100
50	NA 1 050		50	80	20	62.1	0.85	33 000	73 000	6 100	418
	NA 2 050		50	80	28	62.1	0.85	64 000	142 000	6 100	603
		NA 3 050		50	90	38	68.8	0.85	113 000	255 000	5 500
55	NA 1 055		55	85	20	68.8	0.85	35 500	80 000	5 500	453
	NA 2 055		55	85	28	68.8	0.85	69 000	157 000	5 500	649
		NA 3 055		55	95	38	72.6	0.85	117 000	268 000	5 200
60	NA 1 060		60	90	20	72.6	0.85	37 000	85 000	5 200	485
	NA 2 060		60	90	28	72.6	0.85	72 000	165 000	5 200	695
		NA 3 060		60	100	38	78.3	0.85	123 000	290 000	4 900
65	NA 1 065		65	95	20	78.3	0.85	41 500	97 000	4 900	536
	NA 2 065		65	95	28	78.3	0.85	78 000	184 000	4 900	757
		NA 3 065		65	105	38	83.1	0.85	129 000	308 000	4 500
70	NA 1 070		70	100	20	83.1	0.85	43 000	103 000	4 500	567
	NA 2 070		70	100	28	83.1	0.85	81 000	195 000	4 500	805
		NA 3 070		70	110	38	88	0.85	134 000	325 000	4 300
75	NA 1 075		75	110	24	88	0.85	64 000	155 000	4 300	882
	NA 2 075		75	110	32	88	0.85	104 000	253 000	4 300	1 177
		NA 3 075		75	120	38	96	0.85	142 000	355 000	4 000



Welle ømm	Bezeichnungen		Di mm	De mm	L mm	Ci mm	r mini mm	Tragzahlen		Grenz- drehzahl min ⁻¹	Gewicht ca. g
	Baureihe 1000 und 2000	Baureihe 3000						Dyn.Cr N	Stat.Cor N		
80	NA 1 080		80	115	24	96	0.85	68 000	170 000	4 000	920
	NA 2 080		80	115	32	96	0.85	110 000	275 000	4 000	1 239
		NA 3 080	80	125	38	99.5	0.85	145 000	365 000	3 800	2 025
85	NA 2 085		85	120	32	99.5	1.35	113 000	285 000	3 800	1 302
		NA 3 085	85	130	38	104.7	1.35	150 000	390 000	3 600	2 117
90	NA 2 090		90	125	32	104.7	1.35	117 000	300 000	3 600	1 368
		NA 3 090	90	135	43	109.7	1.35	185 000	480 000	3 500	2 512
95	NA 2 095		95	130	32	109.1	1.35	120 000	315 000	3 500	1 430
		NA 3 095	95	140	43	114.7	1.35	190 000	505 000	3 300	2 626
100	NA 2 100		100	135	32	114.7	1.35	125 000	330 000	3 300	1 497
		NA 3 100	100	145	43	119.2	1.35	195 000	520 000	3 200	2 735
105	NA 2 105		105	140	32	119.2	1.35	129 000	340 000	3 200	1 556
		NA 3 105	105	150	45	124.7	1.35	203 000	550 000	3 000	2 987
110	NA 2 110		110	145	34	124.7	1.35	133 000	300 000	3 000	1 720
		NA 3 110	110	160	45	132.5	1.35	210 000	580 000	2 900	3 532
115	NA 2 115		115	155	34	132.5	1.35	139 000	380 000	2 900	2 100
		NA 3 115	115	165	45	137	1.35	215 000	600 000	2 800	3 650
120	NA 2 120		120	160	34	137	1.35	142 000	395 000	2 800	2 167
		NA 3 120	120	170	45	143.5	1.35	224 000	630 000	2 700	3 792
125	NA 2 125		125	165	34	143.5	1.35	145 000	410 000	2 700	2 240
130	NA 2 130		130	170	34	148	1.35	150 000	425 000	2 600	2 325
		NA 3 130	130	190	52	158	1.35	275 000	790 000	2 400	5 815
140	NA 2 140		140	180	36	158	1.35	157 000	455 000	2 400	2 643
		NA 3 140	140	205	52	170.5	1.35	290 000	860 000	2 200	6 840
150	NA 2 150		150	195	36	170.5	1.35	165 000	490 000	2 200	3 230
		NA 3 150	150	215	52	179.3	1.35	300 000	900 000	2 100	7 230
160	NA 2 160		160	205	36	179.3	1.35	170 000	515 000	2 100	3 400
		NA 3 160	160	230	57	193.8	1.35	360 000	1 110 000	2 000	9 070
170	NA 2 170		170	220	42	193.8	1.85	233 000	720 000	2 000	4 770
		NA 3 170	170	245	57	202.6	1.85	370 000	1 150 000	1 900	10 420
180	NA 2 180		180	230	42	202.6	1.85	240 000	750 000	1 900	5 010
		NA 3 180	180	255	57	216	1.85	385 000	1 240 000	1 800	10 940
190	NA 2 190		190	245	42	216	1.85	250 000	800 000	1 800	5 890
		NA 3 190	190	265	57	224.1	1.85	395 000	1 290 000	1 700	11 450



Welle ømm	Bezeichnungen		Ci mm	De mm	L mm	r mini mm	Tragzahlen		Grenz- drehzahl min ⁻¹	Gewicht ca. g
	Baureihen 1000,2000,22000 Bild A)	Baureihe 3000 Bild B)					Dyn.Cr N	Stat.Cor N		
7.3	RNA 1 005		7.3	16	12	0.35	3 950	4 450	52 000	10
9.7	RNA 1 007		9.7	19	12	0.35	4 800	5 900	39 000	13
12.1	RNA 1 009		12.1	22	12	0.35	5 600	7 400	31 000	18
14.4	RNA 1 010		14.4	24	12	0.35	6 350	8 900	26 000	20
17.6	RNA 1 012		17.6	28	15	0.35	11 000	16 500	21 600	34
20.8	RNA 1 015		20.8	32	15	0.65	12 400	19 500	18 300	44
22.1	RNA 2 015		22.1	35	22	0.65	23 500	37 500	17 200	82
23.9	RNA 1 017		23.9	35	15	0.65	13 700	22 500	15 900	47
28.7	RNA 1 020		28.7	42	18	0.65	19 300	33 500	13 200	84
	RNA 2 020		28.7	42	22	0.65	28 500	49 000	13 200	104
33.5	RNA 1 025		33.5	47	18	0.65	21 500	39 000	11 100	97
	RNA 2 025		33.5	47	22	0.65	33 000	60 000	11 100	122
	RNA 22 025		33.5	47	30	0.65	52 000	94 000	11 100	170
38.2	RNA 1 030		38.2	52	18	0.65	23 500	44 500	10 000	107
	RNA 2 030		38.2	52	22	0.65	34 500	66 000	10 000	139
	RNA 22 030		38.2	52	30	0.65	57 000	108 000	10 000	193
44	RNA 1 035		44	58	18	0.65	26 000	51 000	8 600	127
	RNA 2 035		44	58	22	0.65	38 000	75 000	8 600	160
	RNA 22 035		44	58	30	0.65	63 000	124 000	8 600	225
		RNA 3 030		44	62	30	0.65	64 000	125 000	8 600
49.7	RNA 1 040		49.7	65	18	0.85	28 500	58 000	7 600	160
	RNA 2 040		49.7	65	22	0.85	41 500	85 000	7 600	200
	RNA 22 040		49.7	65	30	0.85	68 000	140 000	7 600	278
		RNA 3 035		49.7	72	36	0.65	90 000	183 000	7 600
55.4	RNA 1 045		55.4	72	18	0.85	30 500	65 000	6 900	193
	RNA 2 045		55.4	72	22	0.85	45 000	95 000	6 900	242
		RNA 3 040		55.4	80	36	0.85	97 000	204 000	6 900
62.1	RNA 1 050		62.1	80	20	0.85	33 000	73 000	6 100	255
	RNA 2 050		62.1	80	28	0.85	64 000	142 000	6 100	375
		RNA 3 045		62.1	85	38	0.85	105 000	230 000	6 100
68.8	RNA 1 055		68.8	85	20	0.85	35 500	80 000	5 500	248
	RNA 2 055		68.8	85	28	0.85	69 000	157 000	5 500	361
		RNA 3 050		68.8	90	38	0.85	113 000	255 000	5 500
72.6	RNA 1 060		72.6	90	20	0.85	37 000	85 000	5 200	283
	RNA 2 060		72.6	90	28	0.85	72 000	165 000	5 200	413
		RNA 3 055		72.6	95	38	0.85	117 000	268 000	5 200

冲压外圈滚针离合器、冲压外圈滚针离合器和轴承组件

Drawn Cup Roller Clutches, Drawn Cup Roller Clutches and Bearing Assemblies

1. 结构形式

系列/Series	说明	Description
HF	钢弹簧冲压外圈滚针离合器	Drawn Cup Roller Clutch with Steel Springs
HF... KF	塑料弹簧冲压外圈滚针离合器	Drawn Cup Roller Clutch with Plastic Springs
HF... R	钢弹簧冲压外圈滚针离合器， 外圈部分滚花	Drawn Cup Roller Clutch with Steel Springs and Partially Knurled Outer Ring
HF... KFR	塑料弹簧冲压外圈滚针离合器， 外圈部分滚花	Drawn Cup Roller Clutch with Plastic Springs and Partially Knurled Outer Ring
HFL	钢弹簧冲压外圈滚针离合器和轴承组件， 滑动轴承或滚动轴承	Drawn Cup Roller Clutch with Bearing Assemblies with Steel Springs, plain or Rolling Bearings
HFL... KF	塑料弹簧冲压外圈滚针离合器和轴承组件， 滑动轴承或滚动轴承	Drawn Cup Roller Clutch and Bearing Assemblies with Plastic Springs, plain or Rolling Bearings
HFL... R	钢弹簧冲压外圈滚针离合器和轴承组件， 外圈部分滚花	Drawn Cup Roller Clutch and Plain Bearing Assemblies with Steel Springs, partially Knurled Outer Ring
HFL... KFR	塑料弹簧冲压外圈滚针离合器和轴承组件， 外圈部分滚花	Drawn Cup Roller Clutch and Plain Bearing Assemblies with Plastic Springs, partially Knurled Outer Ring
HFLK	变形结构	metabolic configuration

2. 检验

将滚针离合器压入标准环规中用塞规检查，环规的壁度大于20mm。

3. 安装

滚针离合器装入座孔中后，不需要另行轴向定位。安装座孔公差与冲压外圈滚针轴承相同，座孔的表面粗糙度小于Ra0.8。滚针离合器的内接圆直径与HK系列相同。轴的硬度应在HV670~840，并磨削。

工作温度在充分润滑的条件下，钢弹簧的滚针离合器可在-30℃~+120℃温度范围内运行。塑料弹簧的滚针离合器工作温度范围为-10℃~+70℃。

2. Inspection

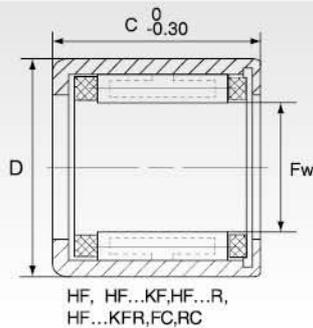
Press the drawn cup roller clutch into the ring gauge, then inspect with gauge. The wall thickness should over 20mm.

3. Mounting

The drawn cup roller clutch is fitted in the housing bore without axial orientation. The roller clutch's tolerance is determined by the accuracy of the housing bore. The surface roughness must be less than Ra0.8.

The inscribed circle's diameter of roller clutch is same as series HK's. The grinding operation shaft's hardness should be controlled HV670-840.

Working temperature rang of roller clutches with steel springs is between-30℃ and ~+120℃, whereas roller clutches with plastic springs' temperature is between-10℃ and ~+70℃.



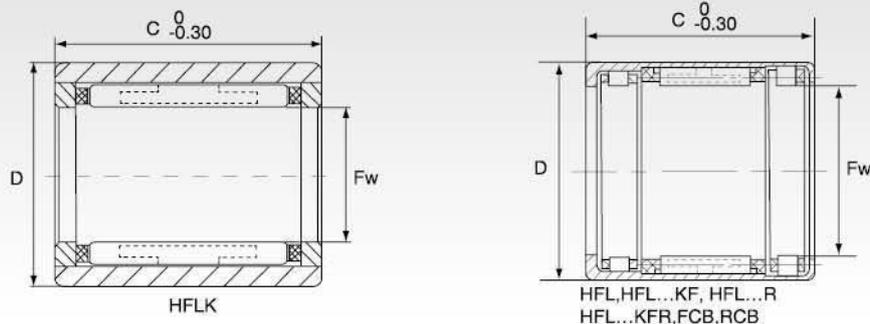
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx	外形尺寸 Boundary Dimensions			传动力矩 Permissible Torque Md	极限转速 Limiting Speed		适用的冲 压外圈滚 针轴承 Suitable Drawn Cup Bearings	
	塑料弹簧 Plastic Spring	钢弹簧 Steel Springs		Fw	D	C		轴旋转 Rotating Shaft Min ⁻¹	外圈旋转 Rotating Outer Ring Min ⁻¹		
			g	mm			N.m				
3	HF0306KF		0.9	3	6.5	6	0.2	36000	7000	HK0306TN	
4	HF0406KF	-	1	4	8	6	0.34	34000	8000	HK0408TN	
	HF0406KFR	-	1	4	8	6	0.34	34000	8000	HK0408TN	
6		HF061207	2	6	12	7	1	20000	11000	HK0608	
	HK0608KF		2.8	6	10	8	1.5	20000	11000	HK0608	
	HF0612KF	HF0612	3	6	10	12	1.76	23000	13000	HK0608	
	HF0612KFR	HF0612R	3	6	10	12	1.76	23000	13000	HK0608	
8		HF061210	3.5	6	12	10	3	20000	13000	HK061208	
	HF0812KF	HF0812	3.5	8	12	12	3.15	17000	12000	HK0808	
	HF0812KFR	HF0812R	3.5	8	12	12	3.15	17000	12000	HK0808	
		HF081210	3.2	8	12	10	3	16000	12000	HK0808	
		HF08145.3KF	3	8	14	5.3	4	15000	11000	HK081410	
			HF081410	3.6	8	14	10	4.6	15000	11000	HK081410
			HF081607	4.1	8	16	7	5.5	15000	11000	HK081610
10	HF1012KF	HF081610	2	8	14	5	5.5	16000	12000	HK101410	
	HF1012KFR	HF081412	4	8	14	12	5	16000	12000	HK101410	
12	-	HF1012	4	10	14	12	5.3	14000	11000	HK1010	
	-	HF1012R	4	10	14	12	5.3	14000	11000	HK1010	
12	-	HF1216	11	12	18	16	12.2	11000	8000	HK1212	
14	-	HF1416	13	14	20	16	17.3	9500	8000	HK1412	
16	-	HF1616	14	16	22	16	20.5	8500	7500	HK1612	
18	-	HF1816	16	18	24	16	24.1	7500	7500	HK1812	
20	-	HF2016	17	20	26	16	28.5	7000	6500	HK2010	
25	-	HF2520	30	25	32	20	66	5500	5500	HK2512	
30	-	HF3020	36	30	37	20	90	4500	4500	HK3012	
35	-	HF3520	40	35	42	20	121	3900	3900	HK3512	

型号	重量 g	主要尺寸			传动力矩 N.m
		Fw	D	C	
FC4K	1	4	8	6	0.35
FC6	3	6	10	12	1.76
FC6K	3	6	10	12	1.76
FC8	4	8	14	12	5.3
FCL8K	3.5	8	12	12	5
FC10	4.8	10	16	12	6
FCL10K	4	10	14	12	5.3
FC12	11	12	18	16	12.2
FC14K	13	14	20	16	17.3
FC16	14	16	22	16	21.7
FC20	17	20	26	16	32.5
FC25	30	25	32	20	71.0
FC30	36	30	37	20	99
FC35	40	35	42	20	107

型号	重量 g	主要尺寸			传动力矩 N.m
		Fw	D	C	
RC02	2	3.175	7.15	6.35	0.32
RC040708	3.5	6.35	11.112	12.7	2.03
RC040708-FS	3.5	6.35	11.112	12.7	2.03
RC061008	4.7	9.525	15.875	12.7	5.45
RC061008-FC	4.7	9.525	15.875	12.7	5.45
RC081208	9.2	12.7	19.05	12.7	8.84
RC081208-FS	9.2	12.7	19.05	12.7	8.84
RC101410	14.5	15.875	22.225	15.88	16.9
RC101410-FC	14.5	15.875	22.225	15.88	16.9
RC121610	16.2	19.05	25.4	15.88	23.3
RC121610-FS	16.2	19.05	25.4	15.88	23.3
RC162110	17	25.4	33.338	15.88	49.6
RC162110-FC	17	25.4	33.338	15.88	49.6

极限转速对油和脂润滑均有效，宽度偏差 -0.30 ，特殊要求订货时说明。

冲压外圈滚针离合器和轴承组件 Drawn Cup Needle Roller Clutch and Bearing Assemblies

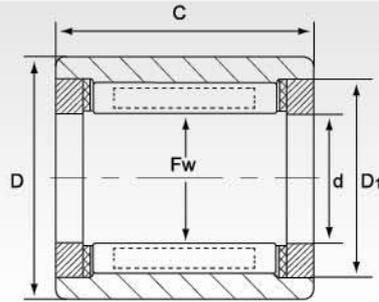


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx	外形尺寸 Boundary Dimensions			传动力矩 Permissible Torque Md	C	Co	极限转速 Limiting Speed	
	塑料弹簧 Plastic Spring	钢弹簧 Steel Springs		Fw	D	C				轴旋转 Rotating Shaft Min ⁻¹	外圈旋转 Rotatng Outer Ring Min ⁻¹
			g				mm				
3	HFL0308KF		3	3	3.6	8	1				
4	HFL0408KF		3.5	4	8	8	1.5				
6	HFL0615KF	HFL0615	4	6	10	15	1.76	-	-	23000	13000
	HFL0615KFR	HFL0615R	4	6	10	15	0.5	-	-	23000	13000
8		HFL061012K	5	6	10	12				21000	12000
		HFL081212K	6	8	12	12				20000	12000
		HFL081412K	7	8	14	12				19000	12000
	HFL0822KF	HFL0822	7	8	12	22	3.15	4.05	4.15	17000	12000
10	HFL0822KFR	HFL0822R	7	8	12	22	1	-	-	17000	12000
	HFL1022KF	HFL1022	8	10	14	22	5.3	4.3	4.65	14000	11000
	HFL1022KFR	HFL1022R	8	10	14	22	1.5	-	-	14000	11000
12	-	HFL1226	18	12	18	26	12.2	6.3	6.5	11000	8000
14	-	HFL1426	20	14	20	26	17.3	7.1	7.7	9500	8000
16	-	HFL1626	22	16	22	26	20.5	7.3	8.4	8500	7500
18	-	HFL1826	25	18	24	26	24.1	8.3	10.3	7500	7500
20	-	HFL2026	27	20	26	26	28.5	8.2	10.4	7000	6500
25	-	HFL2530	44	25	32	30	66	10.9	14.1	5500	5500
	-	HFL2550	65	25	37	50	100	14	17	5000	5500
30	-	HFL3030	51	30	37	30	90	12.6	17.6	4500	4500
35	-	HFL3530	58	35	42	30	121	13	19.3	3900	3900

型号	重量 g	主要尺寸			传动力矩 N.m
		Fw	D	C	
FCB8	10	8	14	20	5
FCB10	15	10	16	20	10
FCB12	18	12	18	26	12.2
FCB16	22	16	22	26	20.5
FCB20	27	20	26	26	28.5
FCB25	44	25	32	30	66
FCB30	51	30	37	30	90
FCB35	58	35	42	30	121

型号	重量 g	主要尺寸			传动力矩 N.m
		Fw	D	C	
RCB061014	12	9.525	15.875	22.22	4.83
RCB061014-FS	12	9.525	15.875	22.22	4.83
RCB081214	16	12.7	19.05	22.22	7.9
RCB081214-FC	16	12.7	19.05	22.22	7.9
RCB101416	21.3	15.875	22.225	25.4	15.4
RCB101416-FS	21.3	15.875	22.225	25.4	15.4
RCB121616	26.5	19.05	25.4	25.4	20.9
RCB121616-FC	26.5	19.05	25.4	25.4	20.9
RCB162117	44.8	25.4	33.338	26.99	45
RCB162117-FS	44.8	25.4	33.338	26.99	45

极限转速对油和脂润滑均有效，宽度偏差 -0.30 ，特殊要求订货时说明。



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions				传动力矩 Permissible Torque Md N.m
			d	D ^{+0.020} ₀	(D ₁)	D ⁰ _{-0.020}	
			mm				
4	NHF04	3.4	4 ^{+0.050} _{+0.020}	10	8.4	9	0.29
6	NHF06	4.7	6 ^{+0.055} _{+0.020}	12	10.4	10	0.69
8	NHF08	11	8 ^{+0.055} _{+0.020}	16	13.5	13	2.06
10	NHF10	14	10 ^{+0.060} _{+0.020}	18	15.5	14	3.14
12	NHF12	18	12 ^{+0.065} _{+0.020}	20	17.5	15	4.61

推力滚针轴承AXK、AXW、AX、TC、NTB系列

推力圆柱滚子轴承811、812、893、874、894系列

推力滚针轴承或推力圆柱滚子轴承是在一套滚道垫圈间配置带保持架的滚针(滚子)，保持架可靠地引导并夹持大量滚动体，同一组件中的滚动体仅有及其微小的差异。推力滚针轴承或推力圆柱轴承仅能支承，一个方向轴向负荷的轴承，可作为刚性良好且轴向占有空间最小的轴承配置。

推力垫圈、轴圈、座圈

推力垫圈AS LS GS WS ZS TRA TRB TRC TRD系列

推力垫圈AS系列是用高质量的弹簧钢冲压而成，其厚度为1mm，并经淬硬和抛光。当相邻部件表面钢性虽好但不宜作滚道时，AS系列垫圈就充分发挥了它的作用。

推力垫圈GS、WS、LS系列是用轴承钢制成并经淬硬处理。座圈GS外表面和轴圈WS内表面是经过磨削制成。LS则是特别经济的车制外表面和内表面。

推力垫圈ZS系列，当组件使用需要作双向定位的轴承配置时，本公司可提供ZS中圈系列，中圈ZS系列可轴向定位或座孔定位。

推力平面轴承

Thrust Ball Bearing with Flat Seat



Thrust Needle Roller Bearing, Series AXK, AXW, AX TC, NTB

Thrust Parallel Roller Bearing, Series 811,812,893, 874, 894

The thrust needle roller bearing or thrust parallel roller bearing is such a manner that the needles (rollers) with cage are set up in the space between rollway and collar and the cage reliably guides and clamps a lot of rolling bodies. There is a little difference among the rolling bodies in the same set. The thrust needle roller bearing or thrust parallel roller bearing is the one only supporting the axial load in one direction. It is used as the bearing allocation having the good rigidity and axial small space.

Thrust Collar, Shaft Ring and Seat Ring

Thrust Collar, Series AS, LS, GS, WS, ZS, TRA, TRB, TRC TRD.

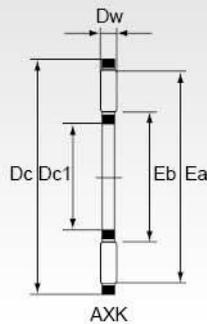
Series AS thrust collar is punched with the high quality steel spring plate in thickness of 1 mm and quenched and polished. When the surface of the adjacent parts can not be acted as rollway, although it has a good rigidity, Series AS collar shall play its full action.

Series GS, WS, LS thrust collars are made of bearing steel with the quenching process. The outer surface of GS seat ring and the inner surface of WS shaft ring are ground. Series LS thrust collar is an economic product with machining the outer and inter surfaces.

As for Series ZS thrust collar, when it is required for assembly to set up the bearing as bidirectional location,the series ZS collar can be used as axial location or seat hole location.

推力滚针和保持架组件

Thrust Needle Roller and Cage Assemblies



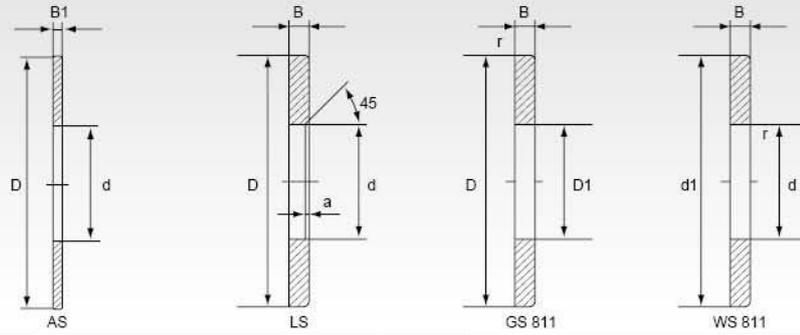
轴径 Shaft Diameter (mm)	推力滚针和保持架组件 Thrust Needle Roller and Cage Assemblies		推力轴承垫圈 Thrust bearing washer					
	型号 Code	重量 Mass g	轴承垫圈 代号 Bearing Washer	重量 Mass g	轴圈代号 Shaft Ring	座圈代号 Seat Ring	推力轴承 垫圈代号 Axial Bearing Washer	重量 Mass g
4	AXK 0414TN	0.7	AS 0414	1	-	-	-	-
5	AXK 0515TN	0.8	AS 0515	1	-	-	-	-
6	AXK 0619TN	1	AS 0619	2	LS 0619	-	-	4
8	AXK 0821TN	2	AS 0821	2	LS 0821	-	-	4
10	AXK 1024	3	AS 1024	3	LS 1024	-	-	7
12	AXK 1226	3	AS 1226	3	LS 1226	-	-	8
15	AXK 1528	4	AS 1528	3	LS 1528	GS 81102	WS 81102	9
17	AXK 1730	4	AS 1730	4	LS 1730	GS 81103	WS 81103	9
20	AXK 2035	5	AS 2035	5	LS 2035	GS 81104	WS 81104	13
25	AXK 2542	7	AS 2542	7	LS 2542	GS 81105	WS 81105	19
30	AXK 3047	8	AS 3047	8	LS 3047	GS 81106	WS 81106	22
35	AXK 3552	10	AS 3552	9	LS 3552	GS 81107	WS 81107	29
40	AXK 4060	16	AS 4060	12	LS 4060	GS 81108	WS 81108	40
45	AXK 4565	18	AS 4565	13	LS 4565	GS 81109	WS 81109	50
50	AXK 5070	20	AS 5070	14	LS 5070	GS 81110	WS 81110	55
55	AXK 5578	28	AS 5578	18	LS 5578	GS 81111	WS 81111	88
60	AXK 6085	33	AS 6085	22	LS 6085	GS 81112	WS 81112	97
65	AXK 6590	35	AS 6590	24	LS 6590	GS 81113	WS 81113	115
70	AXK 7095	60	AS 7095	25	LS 7095	GS 81114	WS 81114	123
75	AXK 75100	61	AS 75100	27	LS 75100	GS 81115	WS 81115	142
80	AXK 80105	63	AS 80105	28	LS 80105	GS 81116	WS 81116	151
85	AXK 85110	67	AS 85100	29	LS 85110	GS 81117	WS 81117	159
90	AXK 90120	86	AS 90120	39	LS 90120	GS 81118	WS 81118	234
100	AXK 100135	104	AS 100135	50	LS 100135	GS 81120	WS 81120	350
110	AXK 110145	122	AS 110145	55	LS 110145	GS 81122	WS 81122	385
120	AXK 120155	131	AS 120155	59	LS 120155	GS 81124	WS 81124	415
130	AXK 130170	205	AS 130170	65	LS 130170	GS 81126	WS 81126	663
140	AXK 140180	219	AS 140180	79	LS 140180	GS 81128	WS 81128	749
150	AXK 150190	232	AS 150190	84	LS 150190	GS 81130	WS 81130	796
160	AXK 160200	246	AS 160200	89	LS 160200	GS 81132	WS 81132	842

TN=塑料保持架, 允许工作温度: 120℃连续; 180℃短期。

1) 充分冷却油润滑的极限转速, 脂润滑极限转速为表列数值的25%。

TN=plastic cage, permissible operating temperature: 120°C(Continuous operation).

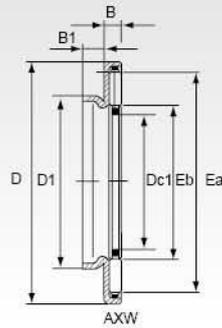
1) Limiting speed for oil lubrication. For grease lubrication, 25% of the values given in the table is permissible.



尺寸 Dimension								滚道尺寸 Track size		基本额定负荷 Basic Load Rating KN		极限转速 Limiting Speed r/min
D _{cl} d	D ₁	D _c D	d ₁	D _w	B ₁	B	a r min	E _b	E _a	动C	静C ₀	
4	-	14	-	2	1	-	-	5	13	4.4	8	21000
5	-	15	-	2	1	-	-	6	14	4.75	9.2	21000
6	-	19	-	2	1	2.75	0.3	7	18	6.8	15.5	19000
8	-	21	-	2	1	2.75	0.3	9	20	7.8	19.4	18000
10	-	24	-	2	1	2.75	0.3	12	23	9.2	25.5	17000
12	-	26	-	2	1	2.75	0.3	14	25	9.9	29	15000
15	16	28	28	2	1	2.75	0.3	17	27	11.3	36	13000
17	18	30	30	2	1	2.75	0.3	19	29	11.9	39.5	12000
20	21	35	35	2	1	2.75	0.3	22	34	13.1	46.5	10000
25	26	42	42	2	1	3	0.6	29	41	14.7	58	8500
30	32	47	47	2	1	3	0.6	34	46	16.3	70	7500
35	37	52	52	2	1	3.5	0.6	39	51	17.8	81	6500
40	42	60	60	3	1	3.5	0.6	45	58	28	114	6000
45	47	65	65	3	1	4	0.6	50	63	30	128	5000
50	52	70	70	3	1	4	0.6	55	68	32	143	4800
55	57	78	78	3	1	5	0.6	60	76	38	186	4300
60	62	85	85	3	1	4.75	1	65	83	44.5	234	4000
65	67	90	90	3	1	5.25	1	70	88	46.5	255	3700
70	72	95	95	4	1	5.25	1	74	93	54	255	3500
75	77	100	100	4	1	5.75	1	79	98	55	265	3300
80	82	105	105	4	1	5.75	1	84	103	56	280	3100
85	87	110	110	4	1	5.75	1	89	108	58	290	3000
90	92	120	120	4	1	6.5	1	94	118	73	405	2700
100	102	135	135	4	1	7	1	105	133	91	560	2500
110	112	145	145	4	1	7	1	115	143	97	620	2300
120	122	155	155	4	1	7	1	125	153	102	680	2100
130	132	170	170	5	1	9	1	136	167	133	840	1900
140	142	180	178	5	1	9.5	1	146	177	138	900	1800
150	152	190	188	5	1	9.5	1	156	187	143	960	1700
160	162	200	198	5	1	9.5	1	166	197	145	1020	1600

推力滚针和保持架组件

Thrust Needle Roller and Cage Assemblies



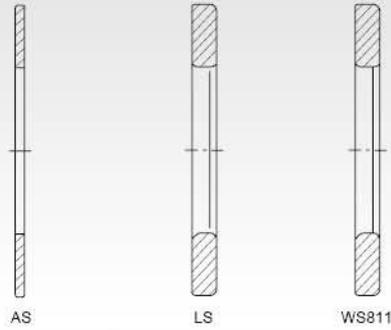
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass g	尺寸 Dimension					滚道尺寸 Track size		基本额定负荷 Basic Load Rating		极限转速 Limiting Speed r/min
			Dc1	D1	D	B	B1	Eb	Ea	C	Co	
										KN		
10	AXW10	8.3	10	14	27	3.2	3	12	23	9.2	25.5	16000
12	AXW12	9.1	12	16	29	3.2	3	14	25	9.9	29	14000
15	AXW15	10	10	15	21	3.2	3.5	17	27	11.3	36	13000
17	AXW17	11	17	23	33	3.2	3.5	19	29	11.9	39.5	12000
20	AXW20	14	20	26	38	3.2	3.5	22	34	13.1	46.5	10000
25	AXW25	20	25	32	45	3.2	4	29	41	14.7	58	8000
30	AXW30	22	30	37	50	3.2	4	34	46	16.3	70	7000
35	AXW35	27	35	42	55	3.2	4	39	51	17.8	81	6500
40	AXW40	39	40	47	63	4.2	4	45	58	28	114	5500
45	AXW45	43	45	52	68	4.2	4	50	63	30	128	5000
50	AXW50	49	50	58	73	4.2	4.5	55	68	32	143	4700

TN=塑料保持架, 允许工作温度: 120℃连续; 180℃短期。

1) 充分冷却油润滑的极限转速, 脂润滑极限转速为表列数值的25%。

TN=plastic cage, permissible operating temperature: 120°C(Continuous operation).

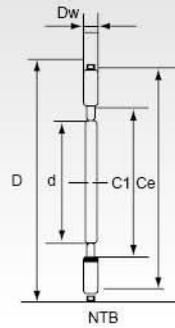
Limiting speed for oil lubrication. For grease lubrication, 25% of the values given in the table is permissible.



适合组合的轴承垫圈和轴承 Bearing washer and bearing suitable for combination							
AS	LS	WS811	HK	HK...RS	BK	NK NKS RNA49 RNA69	NKI NKIS NA49 NA69
AS1024	LS1024	-	HK1010, HK1012	-	BK1010, BK1012	NK7/10TN	-
-	-	-	HK1015	-	BK1015	NK7/12TN	-
AS1226	LS1226	-	HK1210	-	BK1210	NK9/12TN	NKI6/12TN
-	-	-	-	-	-	NK9/16TN	NKI6/16TN
AS1528	LS1528	WS81102	HK1512, HK1516	HK1514RS	BK1512, BK1516	-	-
-	-	-	HK1522	-	-	-	-
AS1730	LS1730	WS81103	HK1712	-	-	NK15/16, NK15/20	-
AS2035	LS2035	WS81104	HK2012, HK2016	HK2018RS	BK2016	NK18/16, NK18/20	-
-	-	-	HK2020	-	BK2020	-	-
-	-	-	HK2030	-	-	-	-
AS2542	LS2542	WS81105	HK2512, HK2516	HK2518RS	-	NK24/16, NK24/20	NKI20/16
-	-	-	HK2520, HK2526	-	BK2520, BK2526	NKS20	NKI20/20
-	-	-	HK2538	-	BK2538	-	-
AS3047	LS3047	WS81106	HK3012, HK3016	HK3018RS	BK3012, BK3016	NK28/20, NK28/30	NA4904
-	-	-	HK3020, HK3026	-	BK3020, BK3026	NKS24	NA6904
-	-	-	HK3038	-	BK3038	RNA4904, RNA6904	-
AS3552	LS3552	WS81107	HK3512, HK3516	HK3518RS	-	NK32/20, NK32/30	NKIS20, NA4905
-	-	-	HK3520	-	BK3520	NKS28	NA6905
-	-	-	-	-	-	RNA4905, RNA6905	NKI28/20, NKI28/30
AS4060	LS4060	WS81108	HK4012, HK4016	HK4018RS	-	NK37/20, NK37/30	NKIS25, NA4906
-	-	-	HK4020	-	BK4020	NKS32	NA6906
-	-	-	-	-	-	RNA4906, RNA6906	NKI32/20
-	-	-	-	-	-	-	NK132/30
AS4565	LS4565	WS81109	HK4516, HK4520	HK4518RS	BK4520	NK42/20, NK42/30	NKIS30
-	-	-	-	-	-	NKS37	NA49/32
-	-	-	-	-	-	RNA49/30, RNA69/32	NA69/32
AS5070	LS5070	WS81110	HK5020, HK5025	HK5022RS	-	NKS43	NKIS35

推力滚针和保持架组件

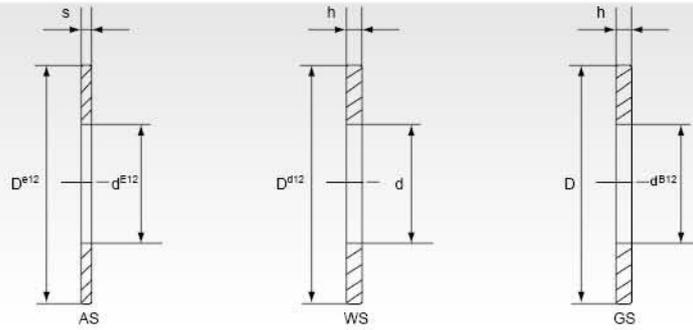
Thrust Needle Roller and Cage Assemblies



轴径 Shaft Diameter (mm)	推力滚针轴承和保持架组件型号 Axial Needle Roller and Cage Assemblies Code						
	推力滚针轴承和保持架组件 Axial Needle Roller and Cage Assemblies	重量 Mass g	推力片 Thrust Sheet	重量 Mass g	轴圈 Shaft Ring	座圈 Seat Ring	重量 Mass g
10	NTB 1024	3.3	AS 1024	2.9	WS1024	GS1024	8
12	NTB 1226	3.8	AS 1226	3.2	WS1226	GS1226	8.9
15	NTB 1528	4.1	AS 1528	3.4	WS1528	GS1528	9.3
16	NTB 1629	4.3	AS 1629	3.6	WS1629	GS1629	9.8
17	NTB 1730	4.5	AS 1730	3.7	WS1730	GS1730	10.2
18	NTB 1831	4.7	AS 1831	3.9	WS1831	GS1831	10.7
20	NTB 2035	6.1	AS 2035	5	WS2035	GS2035	13.8
25	NTB 2542	8.2	AS 2542	6.9	WS2542	GS2542	21
30	NTB 3047	9.4	AS 3047	7.9	WS3047	GS3047	24
35	NTB 3552	10.6	AS 3552	8.9	WS3552	GS3552	31.5
40	NTB 4060	22	AS 4060	12.1	WS4060	GS4060	42.5
45	NTB 4565	24.5	AS 4565	13.3	WS4565	GS4565	53.5
50	NTB 5070	26.5	AS 5070	14.5	WS5070	GS5070	58.5
55	NTB 5578	33.5	AS 5578	18.5	WS5578	GS5578	93
60	NTB 6085	38.5	AS 6085	22	WS6085	GS6085	105
65	NTB 6590	41.5	AS 6590	23.5	WS6590	GS6590	124
70	NTB 7095	61	AS 7095	25	WS7095	GS7095	132
75	NTB 75100	65	AS 75100	26.5	WS75100	GS75100	153
80	NTB 80105	68.5	AS 80105	28	WS80105	GS80105	162
85	NTB 85110	72	AS 85110	29.5	WS85110	GS85110	170
90	NTB 90120	92	AS 90120	38	WS90120	GS90120	250
100	NTB 100135	119	AS 100135	50	WS110135	GS100135	350
110	NTB 110145	129	AS 110145		WS110145	GS110145	380
120	NTB 120155	139	AS 120155		WS120155	GS120155	410
130	NTB 130170	225	AS 130170		WS130170	GS130170	660

推力滚针和保持架组件

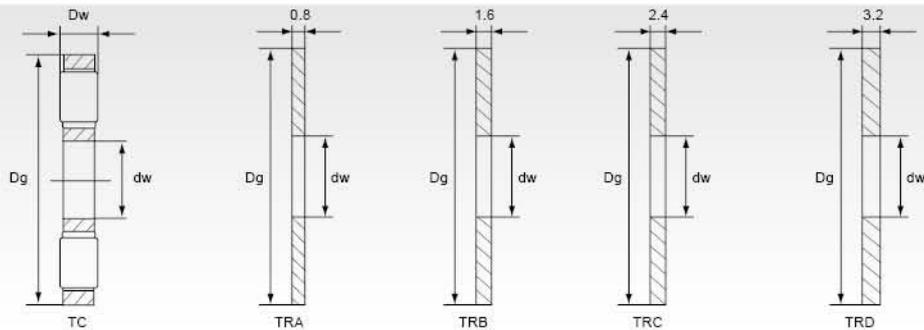
Thrust Needle Roller and Cage Assemblies



尺寸 Dimension							基本额定负荷 Basic Load Rating KN			极限转速 Limiting Speed r/min
d	D	DW	s	h	Rs (1)	Ci	Ce	C kgf	Co kgf	
10	24	2	1	2.75	0.3	14	22	800	2440	15000
12	26	2	1	2.75	0.3	16	24	850	2750	13000
15	28	2	1	2.75	0.3	18	26	900	3050	12000
16	29	2	1	2.75	0.3	19	27	920	3200	11000
17	30	2	1	2.75	0.3	20	28	950	3360	11000
18	31	2	1	2.75	0.3	21	29	970	3510	10000
20	35	2	1	2.75	0.3	23	33	1200	4740	9000
25	42	2	1	3	0.6	29	40	1470	6600	7500
30	47	2	1	3	0.6	34	45	1570	7470	6500
35	52	2	1	3.5	0.6	39	50	1670	8350	5500
40	60	3	1	3.5	0.6	45	57	2470	11000	5000
45	65	3	1	4	0.6	50	62	2640	12400	4500
50	70	3	1	4	0.6	55	67	2810	13700	4000
55	78	3	1	5	0.6	61	75	3300	17500	4000
60	85	3	1	4.75	1	66	82	3900	22300	3500
65	90	3	1	5.25	1	71	87	4090	24100	3000
70	95	4	1	5.25	1	75	91	4830	24900	3000
75	100	4	1	5.75	1	80	96	4930	26100	3000
80	105	4	1	5.75	1	85	101	5050	27200	2500
85	110	4	1	5.75	1	90	106	5130	28400	2500
90	120	4	1	6.5	1	96	116	6570	40100	2500
100	135	4	1	7	1	107	131	8190	55200	2000
110	145	4		7	1	117	141	8480	59000	2000
120	155	4		7	1	127	151	8960	64700	1800
130	170	5		9	1	137	165	12300	85500	1700

推力滚针和保持架组件(英制系列)

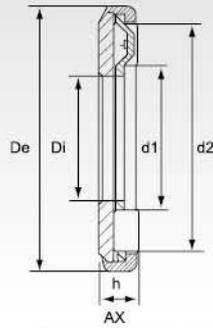
Thrust Needle Roller and Cage Assemblies(Inch Series)



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	外形尺寸 Boundary Dimensions						基本额定负荷 Basic Load Rating KN		极限转速 Limiting Speed r/min	垫圈 TRA TRB TRC TRD
		dw/d		Dg/D		DW		动 Dynamic	静 Static	油润滑	
		inch	mm	inch	mm	inch	mm	N		rpm	
1/4	TC411	0.250	6.35	0.687	17.45	0.0781	1.984	1370	3000	16000	411
5/16	TC512	0.312	7.49	0.750	19.05	0.0781	1.984	1560	3650	15000	512
3/8	TC613	0.375	9.52	0.812	20.62	0.0781	1.984	1620	4000	15000	613
1/2	TC815	0.500	12.70	0.937	23.80	0.0781	1.984	1920	5300	13000	815
5/8	TC1018	0.625	15.88	1.125	28.58	0.0781	1.984	2170	6600	11000	1018
3/4	TC1220	0.750	19.05	1.250	31.75	0.0781	1.984	2410	8000	9500	1220
7/8	TC1423	0.875	22.22	1.437	36.50	0.0781	1.984	2900	10500	8500	1423
	TC1427	0.875	22.22	1.687	42.85	0.0781	1.984	4400	18600	7500	1427
1	TC1525	1.000	25.40	1.562	39.67	0.0781	1.984	3150	12100	7500	1525
1 1/8	TC1828	1.125	28.58	1.750	44.45	0.0781	1.984	3850	16300	6500	1828
1 3/16	TC1931	1.188	30.16	1.937	49.20	0.0781	1.984	4500	20500	6000	1931
1 1/4	TC2013	1.250	31.75	1.937	49.20	0.0781	1.984	4500	20500	6000	2013
1 3/8	TC2233	1.375	34.92	2.062	52.37	0.0781	1.984	4600	21600	5500	2233
1 1/2	TC2435	1.500	38.10	2.187	55.55	0.0781	1.984	4850	23700	5000	2435
1 3/4	TC2840	1.750	44.45	2.500	63.50	0.0781	1.984	5600	30000	4500	2840
2	TC3244	2.000	50.80	2.750	69.85	0.0781	1.984	5800	32500	4000	3244
2 1/4	TC3648	2.250	57.15	3.000	76.20	0.0781	1.984	6000	35000	3600	3648
2 1/2	TC4052	2.500	63.50	3.250	82.55	0.0781	1.984	6200	37500	3300	4052
3	TC4860	3.000	76.20	3.750	95.25	0.0781	1.984	6600	42500	2800	4860
3 1/4	TC5266	3.250	82.55	4.125	104.78	0.1250	3.175	10900	61000	2600	5266
4 1/8	TC6681	4.125	104.78	6.062	128.57	0.1250	3.175	14200	92000	2100	6681

推力滚针和保持架组件(英制系列)

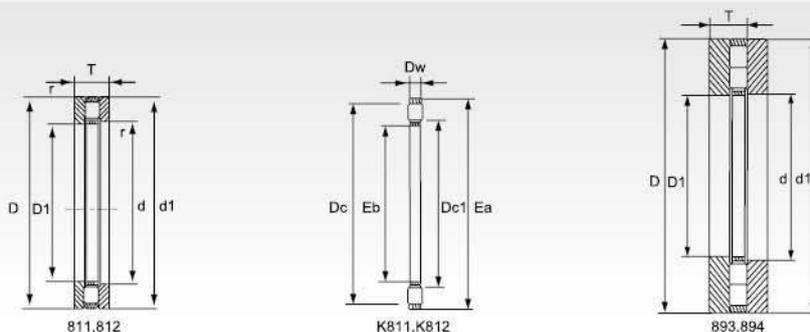
Thrust Needle Roller and Cage Assemblies(Inch Series)



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions					基本额定负荷 Basic Load Rating		极限转速 Limiting Speed Grenzdrehzahl min ⁻¹
	AX Baureihe dünn	AX Baureihe dick		Di	De	h	d1	d2	动 Dynamic	静 Static	
	mm					N					
5	AX 5 13		1.3	5	13	2.3	6.3	10.9	3000	5700	25000
		AX 3.5 5 13	2.3	5	13	3.5	6.3	10.9	3000	5700	25000
6	AX 6 14		1.4	6	14	2.3	7.3	11.9	3150	6350	22000
		AX 3.5 6 14	2.4	6	14	3.5	7.3	11.9	3150	6350	22000
7	AX 7 15		1.7	7	15	2.3	8.3	12.9	3550	7600	22000
		AX 3.5 7 15	2.9	7	15	3.5	8.3	12.9	3550	7600	22000
8	AX 8 16		1.7	8	16	2.3	9.3	13.9	3700	8300	22000
		AX 3.5 8 16	3	8	16	3.5	9.3	13.9	3700	8300	22000
9	AX 9 17		2.1	9	17	2.3	10.3	14.9	4050	9500	19000
		AX 3.5 9 17	3.5	9	17	3.5	10.3	14.9	4050	9500	19000
10	AX 10 22		4	10	22	2.8	12	18.6	5000	10900	15500
		AX 4 10 22	6.5	10	22	4	12	18.6	5000	10900	15500
12	AX 12 26		6	12	26	2.8	15	22.6	6900	17700	13000
		AX 4 12 26	10	12	26	4	15	22.6	6900	17700	13000
13	AX 13 26		6	13	26	2.8	15	22.6	6900	17700	13000
		AX 4 13 26	9.8	13	26	4	15	22.6	6900	17700	11300
15	AX 15 28		6.9	15	28	2.8	17	24.6	7400	20000	11500
		AX 4 15 28	9	15	28	4	17	24.6	7400	20000	11500
17	AX 17 30		7.6	17	30	2.8	19	26.6	7800	22000	10500
		AX 4 17 30	10	17	30	4	19	26.6	7800	22000	10500
19	AX 19 32		8.6	19	32	2.8	21	28.6	8000	23300	10000
		AX 4 19 32	13	19	32	4	21	28.6	8000	23300	10000
20	AX 20 35		10.2	20	35	2.8	22	31.6	11800	39000	9000
		AX 5 20 35	18	20	35	5	22	31.6	11800	39000	9000
25	AX 25 42		11.5	25	42	2.8	27.7	37.4	13300	49000	7500
		AX 5 25 42	25	25	42	5	27.7	37.4	13300	49000	7500
27	AX 27 44		12.1	27	44	2.8	30	39.5	13700	52000	7200
30	AX 30 47		13.7	30	47	2.8	32.7	42.4	14500	57000	6500
		AX 5 30 47	29	30	47	5	32.7	42.4	14500	57000	6500
35	AX 35 52		18.5	35	52	2.8	37.2	49	18900	84000	5500
		AX 5 35 52	35	35	52	5	37.2	49	18900	84000	5500
	AX 35 53		19.3	35	53	2.8	37.2	49	18900	84000	5500
		AX 5 35 53	36	35	53	5	37.2	49	18900	84000	5500
40	AX 40 60		23.9	40	60	2.8	43	54.9	20400	96000	5000
		AX 5 40 60	45	40	60	5	43	54.9	20400	96000	5000
45	AX 45 65		24.7	45	65	2.8	48	59.9	21800	109000	4500
		AX 5 45 65	50	45	65	5	48	59.9	21800	109000	4500

推力圆柱滚子轴承

Thrust Cylindrical Roller Bearings



轴径 Shaft Diameter (mm)	推力圆柱滚子轴承 Thrust Cylindrical Roller Bearings		推力圆柱滚子轴承和保持架组件 Thrust cylindrical roller bearing and retainer assembly		推力轴承垫圈 Thrust bearing washer			
	型号 Code	重量 Mass Kg		重量 Mass g	座圈 Seat Ring	轴圈 Bearing Ring	轴承垫圈 Bearing Washer	重量 Mass g
15	81102TN	0.024	K81102TN	0.006	GS81102	WS81102	LS1528	0.008
17	81103TN	0.027	K81103TN	0.009	GS81103	WS81103	LS1730	0.009
20	81104TN	0.037	K81104TN	0.013	GS81104	WS81104	LS2035	0.012
25	81105TN	0.053	K81105TN	0.015	GS81105	WS81105	LS2542	0.019
30	81106TN	0.057	K81106TN	0.017	GS81106	WS81106	LS3047	0.02
	81206TN	0.123	K81206TN	0.033	GS81206	WS81206		0.045
35	89306TN	0.24	K89306TN	0.04	GS89306	WS89306		0.095
	81107TN	0.073	K81107TN	0.019	GS81107	WS81107	LS3552	0.027
	81207TN	0.195	K81207TN	0.043	GS81207	WS81207		0.076
40	89307TN	0.34	K89307TN	0.053	GS89307	WS89307		0.134
	81108TN	0.105	K81108TN	0.031	GS81108	WS81108	LS4060	0.037
	81208TN	0.249	K81208TN	0.081	GS81208	WS81208		0.084
45	89308TN	0.484	K89308TN	0.098	GS89308	WS89308		0.193
	81109TN	0.13	K81109TN	0.035	GS81109	WS81109	LS4565	0.047
	81209TN	0.287	K81209TN	0.085	GS81209	WS81209		0.101
50	89309TN	0.615	K89309TN	0.121	GS89309	WS89309		0.247
	81110TN	0.14	K81110TN	0.038	GS81110	WS81110	LS5070	0.051
	81210TN	0.356	K81210TN	0.098	GS81210	WS81210		0.129
55	89310TN	0.887	K89310TN	0.175	GS89310	WS89310		0.356
	81111TN	0.218	K81111TN	0.045	GS81111	WS81111	LS5578	0.082
	81211TN	0.568	K81211TN	0.166	GS81211	WS81211		0.201
60	89311TN	1.18	K89311TN	0.195	GS89311	WS89311		0.485
	81112TN	0.266	K81112TN	0.082	GS81112	WS81112	LS6085	0.092
	81212TN	0.642	K81212TN	0.176	GS81212	WS81212		0.233
65	89312TN	1.26	K89312TN	0.21	GS89312	WS89312		0.517
	89412TN	2.818	K89412TN	0.538	GS89412	WS89412		1.115
	81113TN	0.31	K81113TN	0.09	GS81113	WS81113	LS6590	0.11
	81213TN	0.721	K81213TN	0.185	GS81213	WS81213		0.268
70	89313TN	1.33	K89313TN	0.21	GS89313	WS89313		0.535
	89413TN	3.52	K89413TN	0.72	GS89413	WS89413		1.4
	81114TN	0.332	K81114TN	0.092	GS81114	WS81114	LS7095	0.12
	81214TN	0.768	K81214TN	0.212	GS81214	WS81214		0.278
75	89314TN	1.82	K89314TN	0.29	GS89314	WS89314		0.8
	89414TN	4.18	K89414TN	0.76	GS89414	WS89414		1.73
	81115TN	0.393	K81115TN	0.096	GS81115	WS81115	LS75100	0.136
	81215TN	0.8	K81215TN	0.195	GS81215	WS81215		0.293
80	89315TN	2.23	K89315TN	0.375	GS89315	WS89315		0.97
	89415	5.96	K89415	1.78	GS89415	WS89415		2.09
80	81116TN	0.4	K81116TN	0.095	GS81116	WS81116	LS80105	0.144

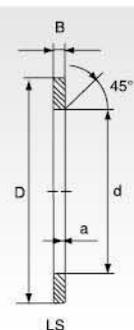
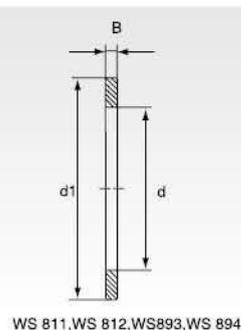
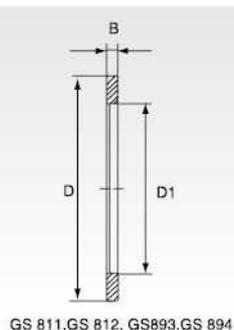
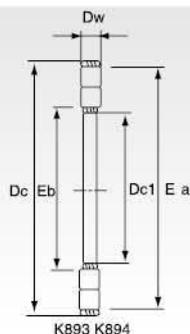
TN=塑料保持架, 允许工作温度: 120°C连续; 180°C短期。

1) 充分冷却油润滑的极限转速, 脂润滑极限转速为表列数值的25%。

TN=plastic cage, permissible operating temperature: 120°C(Continuous operation).

1) Limiting speed for oil lubrication. For grease lubrication, 25% of the values given in the table is permissible.

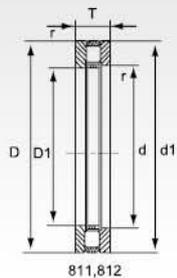
推力圆柱滚子轴承 Thrust Cylindrical Roller Bearings



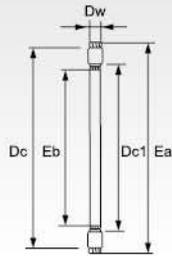
尺寸 Dimension								滚道尺寸 Track size		基本额定负荷 Basic Load Rating		极限转速 Limiting Speed r/min
Dc1 d	D1	Dc D	d1	T	Dw	B	a r min	Eb	Ea	动Cr	静CO _r	
										KN		
15	16	28	28	9	3.5	2.75	0.3	16	27	14.4	28.5	13000
17	18	30	30	9	3.5	2.75	0.3	18	29	15.9	33.5	12000
20	21	35	35	10	4.5	2.75	0.3	21	34	24.9	53	10000
25	26	42	42	11	5	3	0.6	26	41	33.5	76	8500
30	32	47	47	11	5	3	0.6	31	46	35.5	86	7500
30	32	52	52	16	7.5	4.25	0.6	31	50	64	141	7000
30	32	60	60	18	5.5	6.25	1	33	59	69	197	6500
35	37	52	52	12	5	3.5	0.6	36	51	39	101	6500
35	37	62	62	18	7.5	5.25	1	39	58	80	199	6000
35	37	68	68	20	6	7	1	38	67	80	237	5500
40	42	60	60	13	6	3.5	0.6	42	58	56	148	6000
40	42	68	68	19	9	5	1	43	66	107	265	5500
40	42	78	78	22	7	7.5	1	44	77	122	385	4900
45	47	65	65	14	6	4	0.6	47	63	59	163	5000
45	47	73	73	20	9	5.5	1	48	70	105	265	4900
45	47	85	85	24	7.5	8.25	1	49	83	139	445	4400
50	52	70	70	14	6	4	0.6	52	68	61	177	4800
50	52	78	78	22	9	6.5	1	53	75	117	315	4500
50	52	95	95	27	8	9.5	1.1	56	92	167	560	4000
55	57	78	78	16	6	5	0.6	57	77	90	300	4300
55	57	90	90	25	11	7	1	59	85	154	405	4000
55	57	105	105	30	9	10.5	1.1	61	103	184	600	3600
60	62	85	85	17	7.5	4.75	1	62	82	103	315	4000
60	62	95	95	26	11	7.5	1	64	91	172	480	3700
60	62	110	110	30	9	10.5	1.1	66	108	196	670	3400
60	62	130	130	42	14	14	1.5	65	126	390	1220	3000
65	67	90	90	18	7.5	5.25	1	67	87	107	340	3700
65	67	100	100	27	11	8	1	69	96	177	500	3500
65	67	115	115	30	9	10.5	1.1	71	113	194	670	3200
65	68	140	140	45	15	15	2	70	135	445	1410	2800
70	72	95	95	18	7.5	5.25	1	72	92	111	365	3500
70	72	105	105	27	11	8	1	74	102	187	550	3300
70	72	125	125	34	10	12	1.1	76	123	239	830	3000
70	73	150	150	48	16	16	2	76	147	475	1500	2600
75	77	100	100	19	7.5	5.75	1	78	97	107	350	3300
75	77	110	110	27	11	8	1	79	106	172	500	3100
75	77	135	135	36	11	12.5	1.5	81	132	285	1010	2700
75	78	160	160	51	17	17	2	82	153	500	1580	2500
80	82	105	105	19	7.5	5.75	1	83	102	106	350	3100

推力圆柱滚子轴承

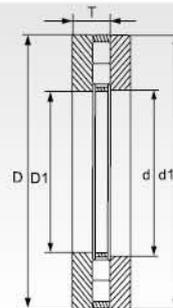
Thrust Cylindrical Roller Bearings



811,812



K811,K812



893,894

轴径 Shaft Diameter (mm)	推力圆柱滚子轴承 Thrust Cylindrical Roller Bearings		推力圆柱滚子轴承和保持架组件 Thrust cylindrical roller bearing and retainer assembly		推力轴承垫圈 Thrust bearing washer			
	型号 Code	重量 Mass Kg	型号 Code	重量 Mass Kg	座圈 Seat Ring	轴圈 Bearing Ring	轴承垫圈 Bearing Washer	重量 Mass Kg
80	81216 TN	0.9	K812 16TN	0.234	GS812 16	WS812 16		0.333
	89316 TN	2.37	K893 16TN	0.42	GS893 16	WS893 16		1.02
	89416	7.04	K894 16	2.04	GS894 16	WS894 16		2.5
85	81117 TN	0.42	K811 17TN	0.118	GS811 17	WS811 17	LS85110	0.151
	81217 TN	1.26	K812 17TN	0.28	GS812 17	WS812 17		0.49
	89317	3	K893 17	0.54	GS893 17	WS893 17		1.23
	89417	8.65	K894 17	2.71	GS894 17	WS894 17		2.97
90	81118 TN	0.62	K811 18TN	0.15	GS811 18	WS811 18	LS90120	0.225
	81218 TN	1.77	K812 18TN	0.542	GS812 18	WS812 18		0.614
	89318	3.28	K893 18	0.62	GS893 18	WS893 18		1.33
	89418	9.94	K894 18	3.04	GS894 18	WS894 18		3.45
100	81120 TN	0.95	K811 20TN	0.25	GS811 20	WS811 20	LS100135	0.35
	81220 TN	2.2	K812 20TN	0.6	GS812 20	WS812 20		0.8
	89320	4.19	K893 20	0.81	GS893 20	WS893 20		1.69
	89420	13.42	K894 20	3.92	GS894 20	WS894 20		4.75
110	811 22 TN	1.04	K811 22TN	0.27	GS811 22	WS811 22	LS110145	0.385
	812 22 TN	2.29	K812 22TN	0.53	GS812 22	WS812 22		0.88
	893 22	6.55	K893 22	1.67	GS893 22	WS893 22		2.44
	894 22	17.41	K894 22	5.11	GS894 22	WS894 22		6.15
120	811 24TN	1.12	K811 24TN	0.29	GS811 24	WS811 24	LS120155	0.415
	812 24TN	2.54	K812 24TN	0.58	GS812 24	WS812 24		0.98
	893 24	9.24	K893 24	2.44	GS893 24	WS893 24		3.4
	894 24	21.77	K894 24	6.37	GS894 24	WS894 24		7.7
130	811 26TN	1.67	K811 26TN	0.38	GS811 26	WS811 26	LS130170	0.643
	812 26TN	3.98	K812 26TN	0.92	GS812 26	WS812 26		1.53
	893 26	10	K893 26	1.91	GS893 26	WS893 26		4.045
	894 26	26.96	K894 26	7.96	GS894 26	WS894 26		9.5
140	811 28TN	1.9	K811 28TN	0.4	GS811 28	WS811 28	LS140180	0.749
	812 28	4.567	K812 28	1.197	GS812 28	WS812 28		1.634
	893 28	11.99	K893 28	2.39	GS893 28	WS893 28		4.8
	894 28	29.7	894 28	8.54	GS894 28	WS894 28		10.6
150	811 30TN	2.2	K811 30TN	0.43	GS811 30	WS811 30	LS150190	0.796
	812 30	5.886	K812 30	1.52	GS812 30	WS812 30		2.18
	893 30	12.63	K893 30	2.51	GS893 30	WS893 30		5.06
	894 30	35.36	K894 30	10.36	GS894 30	WS894 30		12.5
160	811 32TN	2.12	K811 32TN	0.44	GS811 32	WS811 32	LS160200	0.842
	812 32	7.96	K812 32	3.36	GS812 32	WS812 32		2.3
	894 32	42	K894 32	12.42	GS894 32	WS894 32		14.8
170	811 34TN	2.41	K811 34TN	0.66	GS811 34	WS811 34		1.1

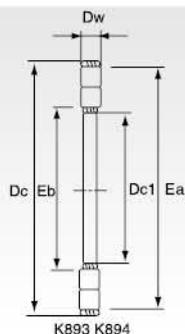
TN=塑料保持架, 允许工作温度: 120°C连续; 180°C短期。

1) 充分冷却油润滑的极限转速, 脂润滑极限转速为表列数值的25%。

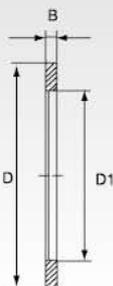
TN=plastic cage, permissible operating temperature: 120°C(Continuous operation).

Limiting speed for oil lubrication. For grease lubrication, 25% of the values given in the table is permissible.

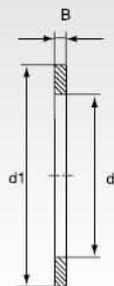
推力圆柱滚子轴承 Thrust Cylindrical Roller Bearings



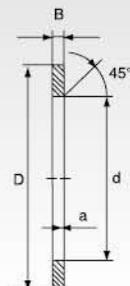
K893 K894



GS 811,GS 812, GS893,GS 894



WS 811,WS 812,WS893,WS 894

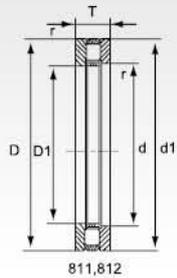


LS

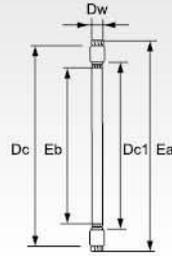
尺寸 Dimension					滚道尺寸 Track size			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed r/min		
Dc1 d	D1	Dc D	d1	T	Dw	B	a r	Eb	Ea		动Cr	静CO _r
											KN	
80	82	115	115	28	11	8.5	1	84	112	201	630	3000
80	82	140	140	36	11	12.5	1.5	86	137	305	1110	2600
80	83	170	170	54	18	18	2.1	88	165	560	1770	2300
85	87	110	110	19	7.5	5.75	1	87	108	112	385	3000
85	88	125	125	31	12	9.5	1	90	119	217	660	2700
85	88	150	150	39	12	13.5	1.5	93	147	325	1140	2500
85	88	180	180	58	19	19.5	2.1	93	175	620	1980	2200
90	92	120	120	22	9	6.5	1	93	117	141	465	2700
90	93	135	135	35	14	10.5	1.1	95	129	290	890	2600
90	93	155	155	39	12	13.5	1.5	98	152	335	1200	2400
90	93	190	190	60	20	20	2.1	99	185	680	2200	2100
100	102	135	135	25	11	7	1	104	131	199	650	2500
100	103	150	150	38	15	11.5	1.1	107	142	340	1080	2300
100	103	170	170	42	13	14.5	1.5	107	167	380	1400	2100
100	103	210	210	67	22	22.5	3	111	205	850	2850	1900
110	112	145	145	25	11	7	1	114	141	207	700	2300
110	113	160	160	38	15	11.5	1.1	117	152	325	1030	2100
110	113	190	190	48	15	16.5	2	120	186	500	1870	1900
110	113	230	230	73	24	24.5	3	121	223	1000	3400	1700
120	122	155	155	25	11	7	1	124	151	214	760	2100
120	123	170	170	39	15	12	1.1	127	162	340	1120	2000
120	123	210	210	54	17	18.5	2.1	130	206	640	2420	1700
120	123	250	250	78	26	26	4	133	243	1170	4000	1600
130	132	170	170	30	12	9	1	135	165	250	900	1900
130	133	190	187	45	19	13	1.5	137	181	480	1520	1800
130	134	225	225	58	18	20	2.1	141	220	710	2700	1600
130	134	270	270	85	28	28.5	4	145	263	1330	4600	1400
140	142	180	178	31	12	9.5	1	145	175	260	960	1800
140	143	200	197	46	19	13.5	1.5	147	191	455	1450	1700
140	144	240	240	60	19	20.5	2.1	152	235	820	3200	1500
140	144	280	280	85	28	28.5	4	155	273	1390	4950	1400
150	152	190	188	31	12	9.5	1	155	185	270	1020	1700
150	153	215	212	50	21	14.5	1.5	158	211	590	1940	1600
150	154	250	250	60	19	20.5	2.1	162	245	840	3350	1400
150	154	300	300	90	30	30	4	167	293	1570	5700	1300
160	162	200	198	31	12	9.5	1	165	195	270	1050	1600
160	163	225	222	51	21	15	1.5	168	220	600	2030	1500
160	164	320	320	95	32	31.5	5	179	313	1780	6500	1200
170	172	215	213	34	14	10	1.1	176	209	360	1380	1500

推力圆柱滚子轴承

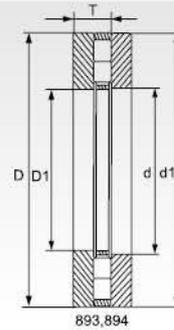
Thrust Cylindrical Roller Bearings



811,812



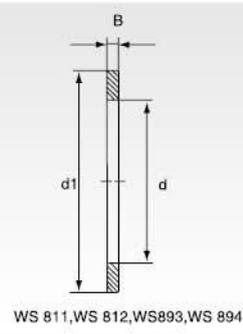
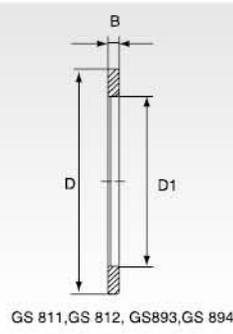
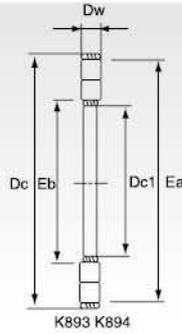
K811,K812



893,894

轴径 Shaft Diameter (mm)	推力圆柱滚子轴承 Thrust Cylindrical Roller Bearings		推力圆柱滚子轴承和保持架组件 Thrust cylindrical roller bearing and retainer assembly		推力轴承垫圈 Thrust bearing washer			
	型号 Code	重量 Mass Kg	型号 Code	重量 Mass Kg	座圈 Seat Ring	轴圈 Bearing Ring	轴承垫圈 Bearing Washer	重量 Mass Kg
170	812 34	7.69	K812 34	1.89	GS812 34	WS812 34		2.9
	894 34	51.87	K894 34	14.87	GS894 34	WS894 34		18.5
180	811 36	3.04	K811 36	0.8	GS811 36	WS811 36		1.1
	812 36	8.24	K812 36	1.98	GS812 36	WS812 36		3.13
180	894 36	60.19	K894 36	17.59	GS894 36	WS894 36		21.3
	811 38	3.84	K811 38	0.94	GS811 38	WS811 38		1.45
190	812 38	10.4	K812 38	2.73	GS812 38	WS812 38		3.835
	894 38	65.7	K894 38	14.5	GS894 38	WS894 38		25.6
200	811 40	4	K811 40	0.98	GS811 40	WS811 40		1.51
	812 40	11.91	K812 40	3.09	GS812 40	WS812 40		4.41
200	894 40	74.8	K894 40	16.2	GS894 40	WS894 40		29.3
	811 44	4.5	K811 44	1.32	GS811 44	WS811 44		1.59
220	812 44	12.85	K812 44	3.35	GS812 44	WS812 44		4.75
	894 44	84.4	K894 44	20	GS894 44	WS894 44		32.2
240	811 48	7.25	K811 48	2.11	GS811 48	WS811 48		2.57
	812 48	21.95	K812 48	5.65	GS812 48	WS812 48		8.15
240	894 48	87.8	K894 48	19.2	GS894 48	WS894 48		34.3
	811 52	7.83	K811 52	2.3	GS811 52	WS811 52		2.765
260	812 52	23.9	K812 52	6.1	GS812 52	WS812 52		8.9
	894 52	114	K894 52	25.5	GS894 52	WS894 52		44.25
280	811 56	10.3	K811 56	3	GS811 56	WS811 56		3.65
	812 56	25.9	K812 56	6.4	GS812 56	WS812 56		9.75
280	894 56	142	K894 56	30.8	GS894 56	WS894 56		55.6
	811 60	16.67	K811 60	4.83	GS811 60	WS811 60		5.92
300	812 60	40.55	K812 60	10.15	GS812 60	WS812 60		15.2
	894 60	153	K894 60	32.7	GS894 60	WS894 60		60.15
320	811 64	17.82	K811 64	5.12	GS811 64	WS811 64		6.35
	894 64	193	K894 64	70	GS894 64	WS894 64		61.5

推力圆柱滚子轴承 Thrust Cylindrical Roller Bearings



尺寸 Dimension					滚道尺寸 Track size			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed r/min		
Dcl	D1	Dc	d1	T	Dw	B	a	Eb	Ea		动Cr	静CO _r
d		D				r	KN				KN	
170	173	240	237	55	22	16.5	1.5	180	235	680	2340	1400
170	174	340	340	103	34	34.5	5	191	233	1990	7400	1100
180	183	225	222	34	14	10	1.1	185	219	340	1300	1400
180	183	250	247	56	22	17	1.5	190	245	690	2440	1300
180	184	360	360	109	3	36.5	5	200	351	2210	8200	1100
190	193	240	237	37	15	11	1.1	197	233	385	1500	1300
190	194	270	267	62	26	18	2	200	265	880	3000	1300
190	195	380	380	115	38	38.5	5	214	373	2450	9200	1000
200	203	250	247	37	15	11	1.1	206	243	390	1550	1300
200	204	280	277	62	26	18	2	210	275	900	3150	1200
200	205	400	400	122	40	41	5	226	393	2700	10200	950
220	223	270	267	37	15	11	1.1	226	263	420	1730	1200
220	224	300	297	63	26	18.5	2	230	296	940	3450	1100
220	225	420	420	122	40	41	6	244	411	2900	11500	900
240	243	300	297	45	18	13.5	1.5	248	296	600	2500	1100
240	244	340	335	78	32	23	2.1	261	335	1370	5000	1000
240	245	440	440	122	40	41	6	266	433	3000	12200	850
260	263	320	317	45	18	13.5	1.5	268	316	620	2650	1000
260	264	360	355	79	32	23.5	2.1	280	353	1440	5400	950
260	265	480	480	132	44	44	6	288	472	3600	14700	800
280	283	350	347	53	22	15.5	4.5	288	346	860	3650	900
280	284	380	375	80	32	24	2.1	300	373	1460	5600	850
280	285	520	520	145	48	48.5	6	311	512	4200	17600	700
300	304	380	376	62	25	18.5	2	315	373	1060	4500	850
300	304	420	415	95	38	28.5	3	328	413	1930	7300	800
300	305	540	540	145	48	48.5	6	331	533	4350	18500	700
320	324	400	396	63	25	19	2	334	394	1100	4750	800
320	325	580	575	155	68	43.5	6	340	573	5500	19900	550

滚针和保持架组件为一独立的轴承元件，其中每个滚针由保持架精确地引导和保持。它实现了最小的结构空间下具有高负荷能力和高刚性的轴承设计。保持架的两引导面间距宽广，保证了滚针和保持架组件的精确引导。

滚针和保持架组件适用于轴和座孔可作为滚道之处。在具有高尺寸精度、几何精度的轴和座孔滚道下，可得到最高旋转精度。

轴部位的工作间隙取决于内外滚道的公差、滚针组差和工作温度。

向心滚针和保持架组件 Radial Needle Roller and cage Assemblies



The needle roller and cage assembly is an independent bearing element. The each of needle roller is guided and caged accurately by the cage. It has the highest load carrying capacity and the high rigid design in the smallest structure and space. The wide distance between two guiding surfaces of cage ensures the accurate guide of needle roller and cage assembly.

Needle roller and cage assembly is suitable for the place where the shaft and housing bore are acted as the raceway. Under the geographic accuracy shaft and housing bore raceway, the highest rotation precision can be obtained.

The working clearance in bearing location is dependent on the tolerance of inner and outer raceways, needle roller difference and working temperature.

向心滚针和保持架组件K、K...D型，该种轴承只有一组向心滚针和保持架组件，外径尺寸小，适用于径向尺寸特别受限制的部件中，用来承受径向负荷。K...ZW、K...ZWD型为双列向心滚针和保持架组件。

该种轴承由于无套圈，与其相配的轴颈表面和外壳孔表面直接作为滚动面要求其表面硬度HRC60、表面粗糙度Ra值不大于0.63 μ m。

为满足主机要求，该种轴承可加工成剖分式，便于装拆。K...D表示剖分式、单列，K...ZWD表示剖分式、双列。

K单列向心滚针和保持架组件

K...ZW双列向心滚针和保持架组件

K...D剖分式单列向心滚针和保持架组件

K...ZWD剖分式双列向心滚针和保持架组件

向心滚针和保持架组件

Radial Needle Roller and cage Assemblies



As for Model K, K...D radial needle and retainer assembly, this kind of bearing only has a group of radial needle and retainer assembly. With small outside diameter size, it is suitable for the parts, where the radial sizes are specially limited, used for bearing the radial load. Model K...ZW, K...ZWD radial needle and retainer assembly is the double row radial needle and retainer assembly.

As for this kind of bearing, since it has not collar, the surface of journal and the surface of hole at the housing are directly acted as rolling surface with surface hardness HRC 60 and surface roughness Ra no more than 0.63 μ m.

In order to satisfy the requirement of main machine, this kind of bearing can be made in split bearing, convenient for mounting. Model K... D represents as the single row split bearing and Model K...ZWD represents as double row split bearing.

(1-1) K single-row radial needle roller and cage assembly

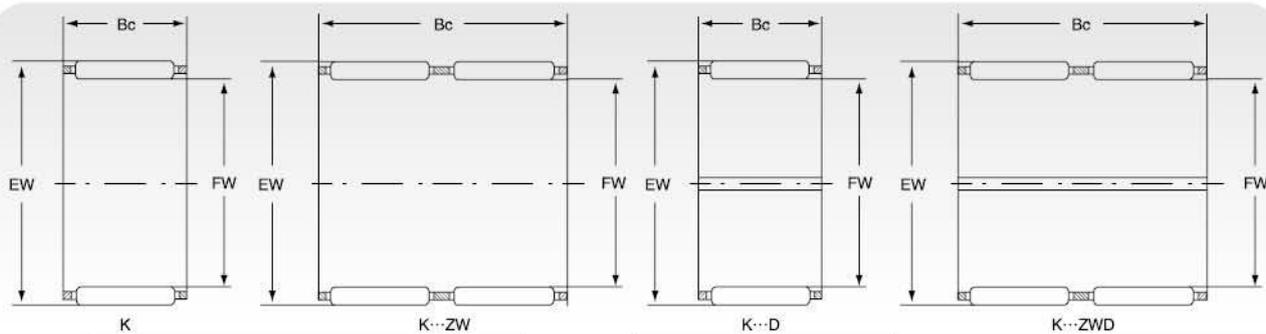
(1-2) K...ZW double-row radial needle roller and cage assembly

(1-3) K... D partial single-row radial needle roller and cage assembly

(1-4) K...ZWD double-row radial needle roller and cage assembly

向心滚针和保持架组件

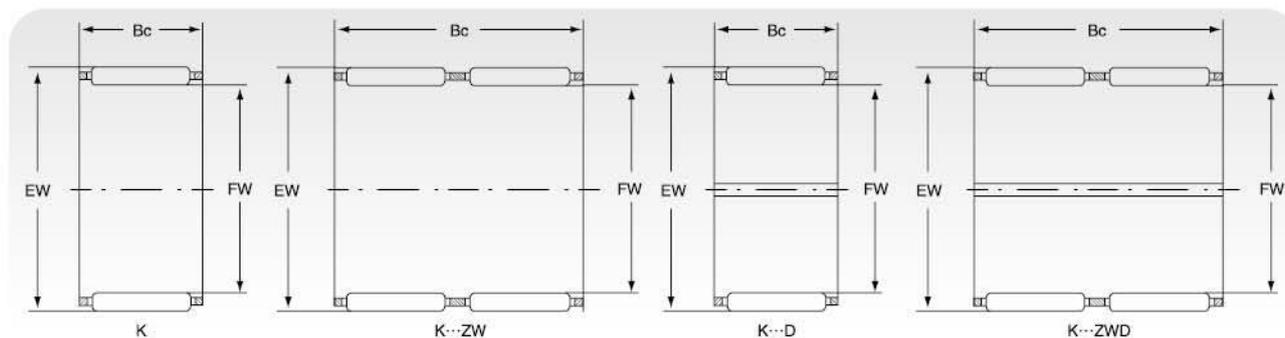
Radial Needle Roller and Cage Assemblies



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static	
				mm			N		
3	K3 x 5 x 7TN		0.3	3	5	7	1.54	1.29	50000
	K3 x 5 x 9TN		0.4	3	5	9	1.71	1.48	
	K3 x 6 x 7TN		0.4	3	6	7	1.43	0.97	47000
4	K4 x 7 x 7TN		0.5	4	7	7	2.33	1.84	43000
	K4 x 7 x 10TN		0.7	4	7	10	2.35	1.92	39000
5	K5 x 8 x 8TN	29241/5	0.7	5	8	8	2300	1880	37000
	K5 x 8 x 10TN	39241/5	0.9	5	8	10	2800	2450	37000
6	K6 x 9 x 8TN	29241/6	0.8	6	9	8	25600	2240	35000
	K6 x 9 x 10TN	39241/6	1	6	9	10	3300	3100	35000
	K6 x 10 x 13TN	19241/6	1.3	6	10	13	3500	2800	33000
7	K7 x 10 x 8TN	29241/7	0.9	7	10	8	2750	2550	32000
	K7 x 10 x 10TN	39241/7	1.1	7	10	10	3350	3400	32000
8	K8 x 11 x 8TN	29241/8	1.1	8	11	8	3000	2900	30000
	K8 x 11 x 10TN	39241/8	1.7	8	11	10	3830	3950	30000
	K8 x 11 x 13TN	49241/8	1.8	8	11	13	5000	5700	30000
	K8 x 12 x 10TN	29242/8	1.3	8	12	10	4900	4600	30000
9	K9 x 12 x 10TN	39241/9	1.5	9	12	10	4200	4700	30000
	K9 x 12 x 13TN	19241/9	1.9	9	12	13	5500	6700	30000
10	K10 x 13 x 10TN	39241/10	1.6	10	13	10	4500	5250	27000
	K10 x 13 x 13TN	39241/10	2.1	10	13	13	6000	7600	27000
	K10 x 13 x 16TN		2.2	10	13	16	6300	7800	27000
	K10 x 14 x 10TN	29242/10	2.9	10	14	10	7000	7900	27000
	K10 x 14 x 13TN	3922/10	4.3	10	14	13	8000	9100	26000
	K10 x 16 x 12TN	19244/10	3.7	10	16	12	7000	9300	27000
12	K12 x 15 x 9TN		2.7	12	15	9	4120	5210	25000
	K12 x 15 x 10TN	39241/12	1.9	12	15	10	4320	5730	25000
	K12 x 15 x 13TN	49241/12	2.4	12	15	13	6000	8100	25000
	K12 x 16 x 8TN	19242/12	2.9	12	16	8	1200	4700	25000
	K12 x 16 x 10TN	29242/12	3.4	12	16	10	6000	6900	25000
	K12 x 16 x 13TN	39242/12	3.8	12	16	13	7900	9200	25000
	K12 x 17 x 13TN	59242/12	4.4	12	17	13	9300	10000	24000
	K12 x 18 x 12TN	19244/12	5	12	18	12	9800	8000	24000
14	K14 x 17 x 10		4	14	17	10	5100	6800	23000
	K14 x 17 x 17		6.8	14	17	17	9300	14000	23000
	K14 x 18 x 10	29242/14	4.8	14	18	10	6800	8300	23000
	K14 x 18 x 13	39242/14	6.3	14	18	13	8100	9800	23000
	K14 x 18 x 14		6.8	14	18	14	9200	12000	23000
	K14 x 18 x 15	49242/14	7.3	14	18	15	10000	13000	23000

TN=塑料保持架, 允许工作温度: 120°C连续; 180°C短期。 TN=plastic cage, permissible operating temperature: 120°C(Continuous operation); 180°C(short term).
 脂润滑极限转速为表列数值的60%。 Limiting speed for oil lubrication. For grease lubrication, 60% of the values given in the table is permissible.

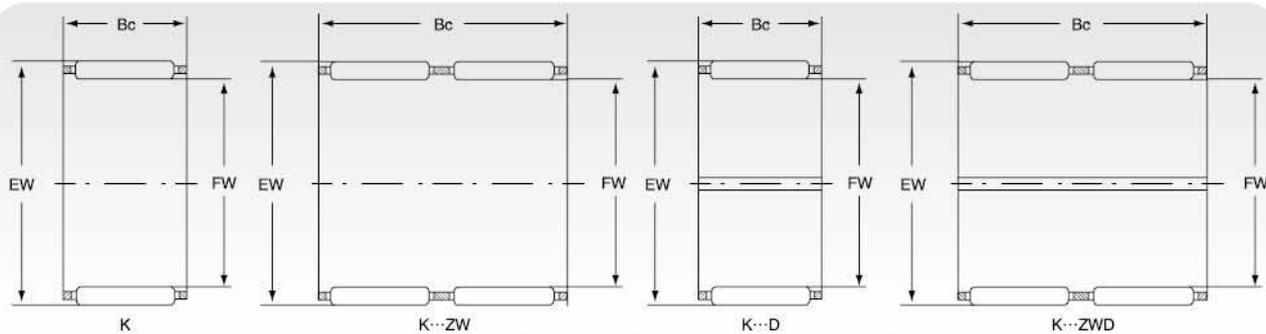
向心滚针和保持架组件 Radial Needle Roller and cage Assemblies



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static	
									mm
14	K14x18x17	59242/14	8.1	14	18	17	10500	13900	23000
	K14x20x12	19243/14	8.6	14	20	12	9900	10500	22000
15	K15x18x14		5.3	15	18	14	7500	11000	23000
	K15x18x17		6.4	15	18	17	9600	15900	23000
	K15x19x10	29242/15	5.1	15	19	10	7200	9000	22000
	K15x19x13	39241/15	7	15	19	13	8300	9800	22000
	K15x19x17	59241/15	8.8	15	19	17	10300	15000	22000
	K15x19x24 ZW	79241/15	10.5	15	19	24	12800	20100	22000
	K15x22x13	29242/15	8.9	15	22	13	9700	11000	22000
	K15x22x12	19243/15	10	15	22	12	10000	13000	22000
	K15x21x15	39242/15	13	15	21	15	13800	16000	22000
K15x21x21		18.2	15	21	21	18000	24000	22000	
16	K16x20x10	29241/16	5.7	16	20	10	7600	9700	22000
	K16x20x13	39241/16	7.1	16	20	13	8700	11300	22000
	K16x20x17	59241/16	9.2	16	20	17	11200	16300	22000
	K16x21x10	19242/16	3.7	16	21	10	9000	12000	22000
	K16x22x12	19243/16	10.4	16	22	12	11000	12000	21000
	K16x22x13		11.9	16	22	13	12000	13400	21000
	K16x22x16		13.7	16	22	16	14300	17000	21000
	K16x22x20	49243/16	16.7	16	22	20	18000	22300	21000
	K16x23x14	19244/16	20	16	23	14	19000	21000	19000
K16x24x20	19245/16	24.9	16	24	20	21100	23000	20000	
17	K17x21x10	29241/17	5.6	17	21	10	7900	10100	21000
	K17x21x13	39241/17	7.5	17	21	13	10000	14100	21000
	K17x21x17	59241/17	9.5	17	21	17	12000	17400	21000
	K17x23x14	29243/17	11.5	17	23	14	11000	15000	21000
18	K18x22x10	29241/18	6.1	18	22	10	8200	9900	20000
	K18x22x13	39241/18	7.7	18	22	13	9000	12100	20000
	K18x22x17	59241/18	10.8	18	22	17	11900	17600	20000
	K18x24x12	19243/18	11.6	18	24	12	11200	12900	20000
	K18x24x13		12.6	18	24	13	12900	14900	20000
	K18x24x13.5		13	18	24	13.5	12900	14900	20000
	K18x24x20	49243/18	19	18	24	20	20000	26500	20000
	K18x25x14		14.9	18	25	14	16500	18800	20000
	K18x25x22		24.3	18	25	22	22900	28400	20000
19	K18x26x14		19	18	26	14	18000	20000	18000
	K18x28x16	19244/18	24	18	28	16	19000	18400	19000
	K19x23x13		8.2	19	23	13	9300	13000	20000
	K19x23x17		11.1	19	23	17	12000	18600	20000

向心滚针和保持架组件

Radial Needle Roller and Cage Assemblies

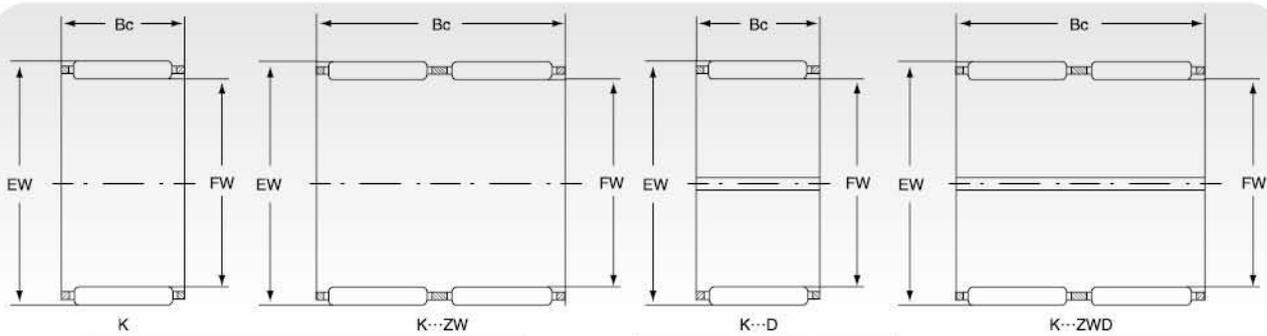


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static	
				mm			N		
20	K20 x24 x 10	29241/20	6.5	20	24	10	8700	12100	19000
	K20 x 24 x 12		8	20	24	12	9600	13800	19000
	K20 x 24 x 13	39241/20	8.9	20	24	13	9600	13800	19000
	K20 x 24 x 17	59241/20	11.2	20	24	17	12400	20000	19000
	K20 x 26 x 12	19243/20	13.2	20	26	12	13100	15700	19000
	K20 x 26 x 16	K9249/20	17.5	20	26	16	18000	25000	18500
	K20 x 26 x 17	39243/20	18.2	20	26	17	18700	25500	19000
	K20 x 26 x 20	49243/20	22	20	26	20	20600	28500	19000
	K20 x 28 x 20	19245/20	26.8	20	28	20	23400	28000	18000
	K20 x 28 x 25	29245/20	36.2	20	28	25	30000	28500	18000
21	K21 x 25 x 13	39245/20	56	20	30	30	35000	41000	18000
	K21 x25x 17		9	21	25	13	9600	14500	19000
22	K22 x 26 x 10	29241/22	7.1	22	26	10	8700	12900	18000
	K22 x 26 x 13	39241/22	9.4	22	26	13	10000	15400	18000
	K22 x 26 x 17	59241/22	12.1	22	26	17	13100	22100	18000
	K22 x 27 x 13	29242/22	10.8	22	27	13	14000	23000	18000
	K22 x 28 x 17	39243/22	19.7	22	28	17	19000	26500	18000
	K22 x 28 x 23	59243/22	26	22	28	23	20000	27000	19000
	K22 x 29 x 16	19244/22	22.2	22	29	16	19500	25000	17000
	K22 x 30 x 15 TN		14.4	22	30	15	19600	22900	17000
	K22 x 30 x 20	19245/22	28	22	30	20	21000	23500	18900
23	K23 x 32 x 24		43.4	22	32	24	33500	39500	16000
24	K23 x 35 x 16 TN		30	23	35	16	24000	23400	15000
	K24 x 28 x 10		8.1	24	28	10	9400	14300	17000
	K24 x 28 x 13		10.1	24	28	13	10500	17000	17000
	K24 x 28 x 17	9243/24	13.2	24	28	17	14000	24500	17000
	K24 x 29 x 13		13.5	24	29	13	13100	19100	16000
	K24 x 30 x 17		21.5	24	30	17	19000	27000	16000
25	K24 x 30 x 31		39.1	24	30	31	27000	43000	16000
	K25 x 29 x 10	29241/25	8.3	25	29	10	9700	14900	16000
	K25 x 29 x 13	39241/25	10.4	25	29	13	10800	17900	16000
	K25 x 29 x 17	59241/25	13.7	25	29	17	14500	25500	16000
	K25 x 30 x 13	29242/25	12.9	25	30	13	14100	213000	16000
	K25 x 30 x 20	59242/25	20.5	25	30	20	21100	28000	16000
	K25 x 30 x 25		21	25	30	25	21700	40400	15000
	K25 x 30 x 26	52.436	21.6	25	30	26	20100	26500	15000
25	K25 x 31 x 17	39243/25	21.8	25	31	17	19000	28000	16000
	K25 x 31 x 21	39243/25	26.2	25	31	21	24100	37500	16000

TN=塑料保持架, 允许工作温度: 120°C连续; 180°C短期。
脂润滑极限转速为表列数值的60%。

TN=plastic cage, permissible operating temperature: 120°C(Continuous operation).
Limiting speed for oil lubrication. For grease lubrication, 60% of the values given in the table is permissible.

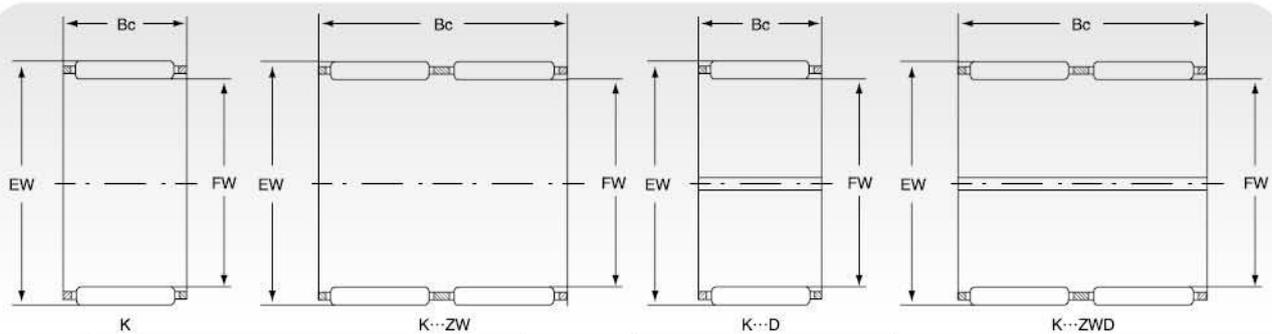
向心滚针和保持架组件 Radial Needle Roller and cage Assemblies



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static	
				mm			N		
25	K25 x 32 x 16	19244/25	24.5	25	32	16	20500	27500	15000
	K25 x 33 x 20	19245/25	32	25	33	20	28000	37500	15000
	K25 x 33 x 24	29245/25	38.7	25	33	24	33900	46500	15000
	K25 x 34 x 18		32	25	34	18	48000	67000	15000
	K25 x 35 x 30	39245/25	65.5	25	35	30	46500	61500	14000
	K25 x 30 x 26 ZW		27	25	30	26	21000	35000	14000
26	K26 x 30 x 10		9	26	30	10	9500	15500	16000
	K26 x 30 x 13		11.4	26	30	13	11100	18700	16000
	K26 x 30 x 17		15	26	30	17	14700	27000	16000
	K26 x 31 x 13		9.9	26	31	13	12400	18400	15000
	K26 x 30 x 22		12.3	26	30	22	15200	28000	16000
27	K27 x 32 x 17		29	27	32	27	16000	34000	17000
28	K28 x 32 x 16.5		16	28	32	16.5	15000	32400	14000
	K28 x 32 x 17	9242/28	18.2	28	32	17	15000	32400	14000
	K28 x 33 x 13	29241/25	15.2	28	33	13	14800	23600	14000
	K28 x 33 x 17	49241/28	19.5	28	33	17	19100	33000	14000
	K28 x 33 x 27 TN	79241/28	19	28	33	27	22800	40500	14000
	K28 x 34 x 17	39242/28	24.2	28	34	17	21300	35000	14000
	K28 x 35 x 16	19243/28	26	28	35	16	21000	29000	14000
	K28 x 35 x 18		31	28	35	18	23500	33500	14000
	K28 x 35 x 20	29243/28	35	28	35	20	24000	34000	14000
	K28 x 35 x 27		47	28	35	27	34500	54500	14000
	K28 x 36 x 16		40	28	36	16	34000	47000	11000
	K28 x 40 x 18		50	28	40	18	33000	36500	12000
K28 x 40 x 25		71	28	40	25	45000	54500	12000	
30	K30 x 33 x 10			30	33	10			
	K30 x 34 x 13		14.6	30	34	13	11800	21200	13000
	K30 x 35 x 13	29241/30	16.3	30	35	13	15100	25000	13000
	K30 x 35 x 17	49241/30	21.3	30	35	17	19100	33500	13000
	K30 x 35 x 26			30	35	26			
	K30 x 35 x 27	19241/30	33.3	30	35	27	30000	58500	13000
	K30 x 37 x 16	19243/30	26.4	30	37	16	22500	33000	13000
	K30 x 38 x 25	29244/30	43	30	38	25	16000	39000	13000
	K30 x 39 x 21			30	39	21			
	K30 x 40 x 18		44	30	40	18	31500	39500	12000
	K30 x 40 x 27	92401/30T	60	30	40	27			
	K30 x 40 x 30	49243/30	78	30	40	30	48500	68500	13000
	K30 x 35 x 26		32	30	35	26	23500	43500	12000
	K30 x 42 x 44.1				30	42	44.1		

向心滚针和保持架组件

Radial Needle Roller and Cage Assemblies

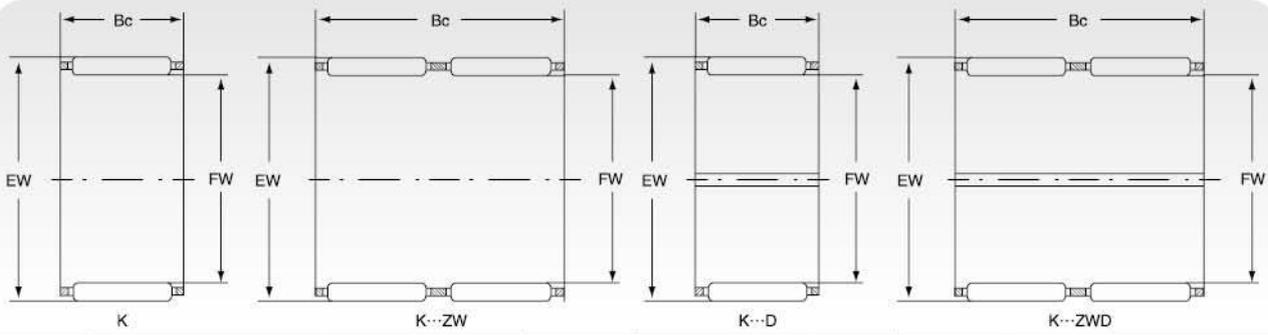


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static	
				mm			N		
32	K32 x 37 x 13	29241/32	18.3	32	37	13	15000	25000	12000
	K32 x 37 x 17	49241/32	22.4	32	37	17	19400	35000	12000
	K32 x 37 x 27	19241/32	36.7	32	37	27	29500	59500	12000
	K32 x 37 x 28 TN		22.3	32	37	28	23100	43000	12000
	K32 x 38 x 16		25	32	38	16	21000	34000	12000
	K32 x 38 x 20	49242/32	31	32	38	20	26000	44500	12000
	K32 x 38 x 26 TN		25.2	32	38	26	27000	46500	12000
	K32 x 39 x 16	19243/32	36.7	32	39	16	23500	35000	12000
	K32 x 39 x 18		37.2	32	39	18	26000	40500	12000
	K32 x 40 x 20	19244/32	48	32	40	20	37000	40500	12000
	K32 x 40 x 36		73	32	40	36	53500	91500	12000
K32 x 46 x 32		119	32	46	32	65500	82500	11000	
K32 x 40 x 42 TN		771	32	40	42	49500	83500	12000	
35	K35 x 40 x 13	29241/35	188	35	40	13	15800	27500	11000
	K35 x 40 x 17	49241/35	25.3	35	40	17	20300	38000	11000
	K35 x 40 x 25	29244/35	31	35	40	25	29000	59500	11000
	K35 x 40 x 27 TN	19241/35	23.4	35	40	27	24500	48000	11000
	K35 x 40 x 27	79241/35	28	35	40	27	27800	62100	11000
	K35 x 40 x 30	39244/35	43	35	40	30	25000	49500	11000
	K35 x 42 x 16	19243/35	34	35	42	16	23900	37000	11000
	K35 x 42 x 18		39.2	35	42	18	27000	42500	11000
	K35 x 42 x 30	49243/35	62.4	35	42	30	38500	67500	11000
	K35 x 43 x 18		38	35	43	18	28000	41500	11000
	K35 x 45 x 20		55.5	35	45	20	36500	49500	10000
	K35 x 45 x 30	29245/35	80	35	45	30	52500	78500	10000
	K35 x 45 x 49		120	35	45	49	81500	13400	10000
	K35 x 40 x 30 ZW		48	35	40	30	31500	65500	11000
K35 x 42 x 20 ZW	29243/35	41	35	42	20	29500	48500	11000	
36	K36 x 41 x 30		52	36	41	30	23000	43000	11000
	K36 x 42 x 16		50	36	42	16	24000	42000	11000
37	K37 x 42 x 17		25.8	37	42	17	21900	42500	10000
	K37 x 42 x 27		40.7	37	42	27	31500	67500	10000
	K37 x 45 x 26		60.5	37	45	26	43500	73500	10000
38	K38 x 43 x 17	49241/38	26.9	38	43	17	20000	38000	10000
	K38 x 43 x 27	49241/38	43.2	38	43	27	31000	67500	10000
	K38 x 46 x 20	19244/38	46	38	46	20	35000	56500	10000
	K38 x 46 x 32		72.7	38	46	32	54500	98500	10000
39	K39 x 44 x 24		38	39	44	24	28000	58500	10000
	K39 x 44 x 26 ZW		29.5	39	44	26	27000	55500	10000

TN=塑料保持架, 允许工作温度: 120°C连续; 180°C短期。
脂润滑极限转速为表列数值的60%。

TN=plastic cage, permissible operating temperature: 120°C(Continuous operation).
Limiting speed for oil lubrication. For grease lubrication, 60% of the values given in the table is permissible.

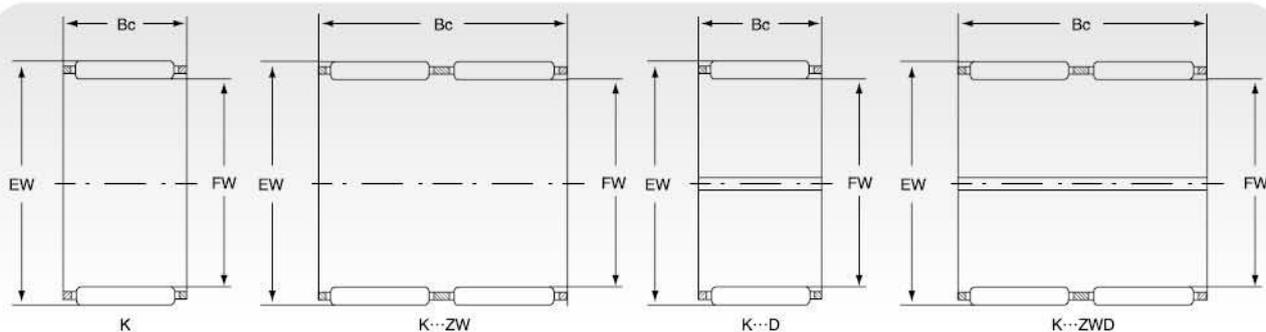
向心滚针和保持架组件 Radial Needle Roller and cage Assemblies



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static	
				mm			N		
40	K40 x 44 x 13		20	40	44	13	13500	28000	10000
	K40 x 45 x 13	29241/40	21.5	40	45	13	17100	32000	10000
	K40 x 45 x 17	49241/40	27.4	40	45	17	20900	41000	10000
	K40 x 45 x 21		36.5	40	45	21	24400	49500	10000
	K40 x 45 x 27	19241/40	46	40	45	27	32500	72500	10000
	K40 x 46 x 17	39242/40	30	40	46	17	24500	44500	9000
	K40 x 47 x 18		45.2	40	47	18	29000	49500	9000
	K40 x 47 x 20	29243/40	42	40	47	20	32000	56500	9000
	K40 x 48 x 20	19244/40	57.7	40	48	20	35500	58500	9000
K40 x 45 x 30 ZW		48	40	45	30	26000	53500	9000	
42	K42 x 47 x 13	29241/42	22.5	42	47	13	17300	33000	9000
	K42 x 47 x 17	49241/42	31.1	42	47	17	21100	42500	9000
	K42 x 47 x 25 TN		25.4	42	47	25	27000	57500	9000
	K42 x 47 x 27	79241/42	46.6	42	47	27	33000	74500	9000
	K42 x 48 x 35	79242/42	60	42	48	35	35000	76000	9000
	K42 x 50 x 18		53	42	50	18	31000	49500	9000
	K42 x 50 x 20	19244/42	54	42	50	20	34500	56500	9000
	K42 x 47 x 30 ZW		54	42	47	30	31000	75500	9000
43	K43 x 48 x 17		29.3	43	48	17	21000	42500	9000
	K43 x 48 x 27		45.7	43	48	27	33000	74500	9000
	K43 x 50 x 18	9249/43	48.5	43	50	18	30500	53500	8000
45	K45 x 49 x 19		27	45	49	19	17500	40000	8000
	K45 x 50 x 17	49241/45	25.5	45	50	17	22000	45000	8000
	K45 x 50 x 27	19241/45	50	45	50	27	34000	79500	8000
	K45 x 50 x 32 TN		45	45	50	32	38000	90500	8000
	K45 x 52 x 18		51	45	52	18	31000	56500	8000
	K45 x 52 x 21 TN		32.9	45	52	21	39500	57500	8000
	K45 x 53 x 20	19244/45	62.2	45	53	20	38500	66500	8000
	K45 x 53 x 21		65	45	53	21	38000	66500	8000
	K45 x 53 x 22		68.4	45	53	22	42000	66500	8000
	K45 x 53 x 28		78	45	53	28	51500	97500	8000
	K45 x 59 x 18 TN		60.5	45	59	18	43500	53500	7000
	K45 x 59 x 32		145.5	45	59	32	72500	101500	7000
	K45 x 59 x 36		195	45	59	36	75500	108500	7000
K45 x 51 x 36 ZW		85	45	51	36	44500	98500	7000	
47	K47 x 52 x 17		32	47	52	17	22800	48500	8000
	K47 x 52 x 27		50.7	47	52	27	34500	82500	8000
	K47 x 53 x 25		53	47	53	25	38000	81500	8000
	K47 x 55 x 28		62.4	47	55	28	52500	99500	7500

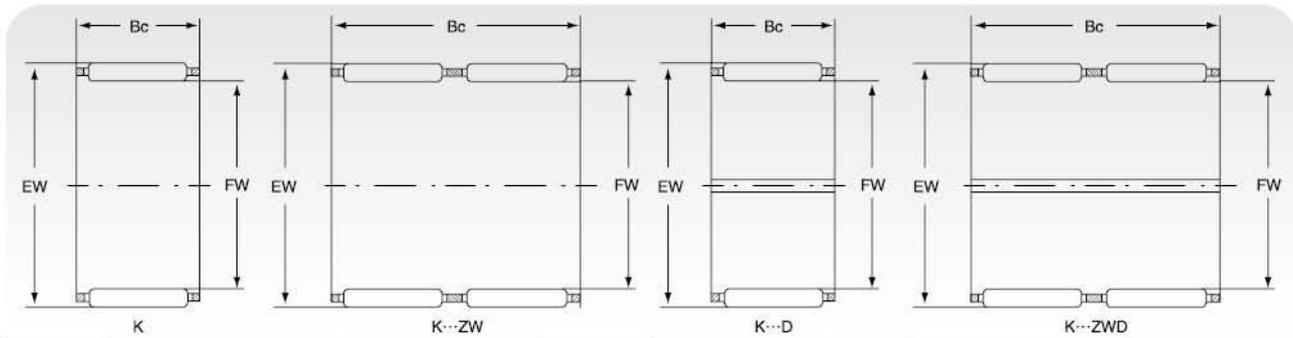
向心滚针和保持架组件

Radial Needle Roller and Cage Assemblies



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static	
				mm			N		
48	K48 x 54 x 19	39242/48	44	48	54	19	30000	60500	7500
	K48 x 54 x 25	59242/48	55	48	54	25	31000	91000	7500
50	K50 x 55 x 13.5		31	50	55	13.5	17500	36000	7500
	K50 x 55 x 17	49241/50	35	50	55	17	21400	46500	7500
	K50 x 55 x 20	59241/50	39.4	50	55	20	26000	59500	7500
	K50 x 55 x 30	9243/50	59.4	50	55	30	38500	96500	7500
	K50 x 57 x 18		53.4	50	57	18	33000	62500	7000
	K50 x 58 x 20	19244/50	64.9	50	58	20	35000	61500	7000
52	K52 x 57 x 12		24	52	57	12	17500	36000	7000
	K55 x 60 x 20		43.4	55	60	20	28000	65500	6500
55	K55 x 60 x 27		60.5	55	60	27	37500	96500	6500
	K55 x 60 x 30		68.6	55	60	30	40500	10300	6500
	K55 x 61 x 20		56	55	61	20	41000	11000	6500
	K55 x 62 x 18		58.4	55	62	18	35000	69500	6500
	K55 x 63 x 15		53	55	63	15	245000	40500	6500
	K55 x 63 x 20	19243/55	73.3	55	63	20	39500	73500	6500
	K55 x 63 x 25	29243/55	88	55	63	25	49500	99500	6500
	K55 x 63 x 32		117	55	63	32	61500	129500	6500
56	K56 x 61 x 20		45	56	61	20	27000	64500	6500
	K58 x 63 x 17		42	58	63	17	21500	63500	6000
58	K58 x 64 x 19		53	58	64	19	24500	77500	6000
	K58 x 65 x 18		52	58	65	18	34500	69500	6000
	K58 x 65 x 38 ZW		106	58	65	38	48500	106500	6000
60	K60 x 65 x 20	49241/60	50.5	60	65	20	29000	71500	6000
	K60 x 65 x 30	69241/60	71.2	60	65	30	42000	115500	6000
	K60 x 68 x 20	19243/60	79	60	68	20	43000	84500	5500
	K60 x 68 x 23		94	60	68	23	49000	100500	5500
	K60 x 68 x 25	29243/60	97	60	68	25	52500	110500	5500
	K60 x 68 x 27		98	60	68	27	59000	120500	6000
	K60 x 75 x 42		240	60	75	42	11300	19200	5500
	K60 x 66 x 33 ZW		104	60	66	33	45500	111500	6000
	K60 x 66 x 40 ZW		116	60	66	40	57500	150500	5500
	K60 x 68 x 30 ZW		136	60	68	30	44000	87500	5500
62	K62 x 70 x 40 ZW		147.5	62	70	40	65500	145500	5500
	K63 x 70 x 21		75	63	70	21	45000	100500	5500
64	K47 x 70 x 16		53	64	70	16	27500	59500	5500

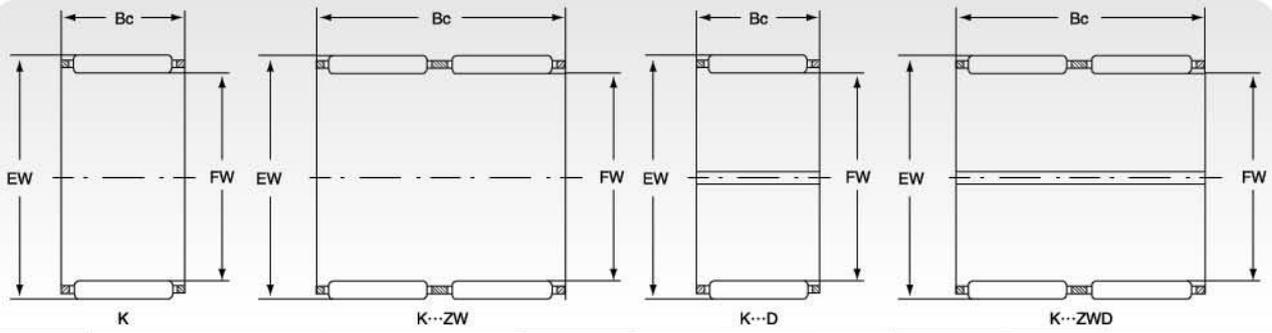
向心滚针和保持架组件 Radial Needle Roller and cage Assemblies



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static	
				mm			N		
65	K65 x 70 x 20	49241/65	49	65	70	20	30000	76500	5500
	K65 x 70 x 30		83	65	70	30	43500	93500	5500
	K65 x 73 x 23		100	65	73	23	45500	93500	5000
	K65 x 73 x 30	39243/65	126	65	73	30	56500	122500	5000
68	K68 x 74 x 20	49241/68	65	68	74	20	35000	83500	5000
	K68 x 74 x 30	69241/68	97	68	74	30	46000	117500	5000
	K68 x 74 x 35 ZW	79241/68	116	68	74	35	48000	124500	5000
	K68 x 75 x 20		120	68	75	32	53500	127500	4500
70	K70 x 76 x 20	49241/70	70	70	76	20	35500	85500	4500
	K70 x 76 x 30	69241/70	100	70	76	30	51500	138500	4500
	K70 x 78 x 25	29243/70	115	70	78	25	51500	111500	4500
	K70 x 78 x 30	39243/70	136	70	78	30	59500	134500	4500
	K70 x 80 x 30	29244/70	150	70	80	30	72500	147500	4500
	K70 x 78 x 46 ZW		230	70	78	46	77500	18800	4500
72	K72 x 80 x 20	19243/72	94	72	80	20	41000	84500	4500
73	K73 x 79 x 20		69	73	79	20	36500	99500	4500
75	K75 x 81 x 20	49241/75	72	75	81	20	37000	93500	4500
	K75 x 81 x 30	69241/75	106	75	81	30	51500	142000	4500
	K75 x 83 x 23		113	75	83	23	49500	108000	4000
	K75 x 83 x 30	39243/75	147	75	83	30	91500	142000	4000
	K75 x 83 x 35 ZW	49243/75	165	75	83	35	62500	146500	4000
	K75 x 83 x 40 ZW	59243/75	190	75	83	40	72500	176500	4000
80	K80 x 86 x 20	49241/80	76	80	86	20	38000	97500	4000
	K80 x 86 x 30	69241/80	114	80	86	30	55500	158500	4000
	K80 x 88 x 30	39243/80	141	80	88	30	71500	178500	4000
	K80 x 88 x 40 ZW	59243/80	204	80	88	40	75500	191500	4000
	K80 x 88 x 46 ZW	69243/80	235	80	88	46	87500	23000	4000
85	K85 x 92 x 20	29241/85	96	85	92	20	44000	107500	3500
90	K90 x 97 x 20	29241/90	103	90	97	20	44500	112500	3000
	K90 x 98 x 27		150	90	98	27	60500	149500	3000
	K90 x 98 x 30	39242/90	172	90	98	30	67500	171500	3000
95	K95 x 102 x 20	29241/95	110	95	102	20	45500	122500	2900
	K95 x 103 x 30 ZW	39242/95	177	95	103	30	68500	179500	2900
	K95 x 103 x 40 ZW	59242/95	250	95	103	40	82500	227500	2900
100	K100 x 107 x 21		120	100	107	21	47500	126500	2700
	K100 x 108 x 27		176	100	108	27	56500	142500	2700
	K100 x 108 x 30	39242/100	190	100	108	30	70500	187500	2700
105	K105 x 112 x 21		123	105	112	21	47000	126500	2500
	K105 x 113 x 30	39242/105	198	105	113	30	71500	196500	2500

向心滚针和保持架组件

Radial Needle Roller and cage Assemblies



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed 油润滑 Oil rpm
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static	
							mm		
110	K110 x 117 x 24		146	110	117	24	55500	157500	2300
	K110 x 118 x 30	39244/110	217	110	118	30	77500	218500	2300
115	K115 x 123 x 27		200	115	123	27	63	170	4100
	K115 x 125 x 35			115	125	35	63	170	4100
	K115 x 125 x 40			115	125	40	65	175	4100
120	K120 x 127 x 24		165	120	127	24	59	174	4000
125	K125 x 133 x 35		275	125	133	35	86	260	3800
130	K130 x 127 x 24		170	130	137	24	61	186	3700
145	K145 x 153 x 26		262	145	153	26	74	225	3300
155	K155 x 163 x 26		265	155	163	26	75	236	3100
160	K160 x 170 x 46		550	160	170	46	152	510	3000
165	K165 x 173 x 26		320	165	173	26	81	265	3000
175	K175 x 183 x 32		400	175	183	32	99	350	2700
185	K185 x 195 x 37		607	185	195	37	128	425	2600
195	K195 x 205 x 37		620	195	205	37	133	450	2500
210	K210 x 220 x 42		740	210	220	42	154	560	2300
220	K220 x 230 x 42		790	220	230	42	158	590	2200
240	K240 x 250 x 42		850	240	250	42	164	630	2000
265	K265 x 280 x 50		1810	265	280	50	255	860	1800

连杆用滚针和保持架组件主要用于发电机、压缩机和其他曲柄连杆机构上。

连杆用滚针和保持架组件的代号由字母和数字两部分组成，字母KZK表示曲柄销用组件；KBK表示活塞销用组件。

KZK曲柄销用滚针和保持架组件，采用M型保持架，性能可靠。应特殊要求，保持架表面可进行镀银、镀铜处理。

KBK活塞销用滚针和保持架组件不象曲柄销那样外引，而是在活塞销上内引导，因此就可以加大滚针长度。

连杆用滚针和保持架组件

Rod-use Needle Roller and Cage Assemblies For

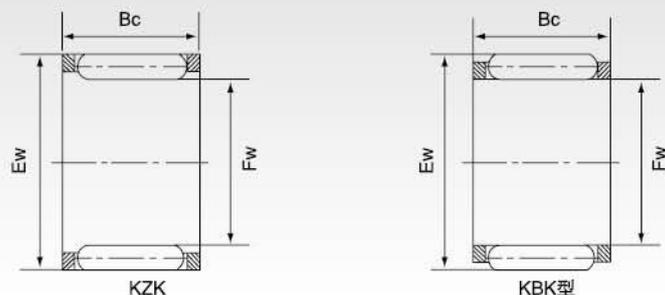


The rod-use needle roller and cage assembly is mainly used for engine, compressor and other crankguide.

The designation of the rod-use needle roller and cage assembly is composed of letter and number. The letter KZK represents crank pine assembly and KBK represents piston pin assembly.

The needle roller and cage assembly for KZK crank pin adapts M-type cage with reliable performance. It has special requirement. The surface of cage can be silver-plated or copper-coated.

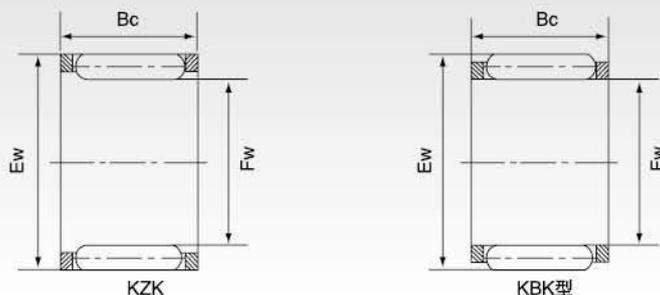
The needle roller and cage assembly for KBK piston pin is different from KZK (external guide for crank pin). It is internally guided on the piston pin), thus increasing the length of needle.



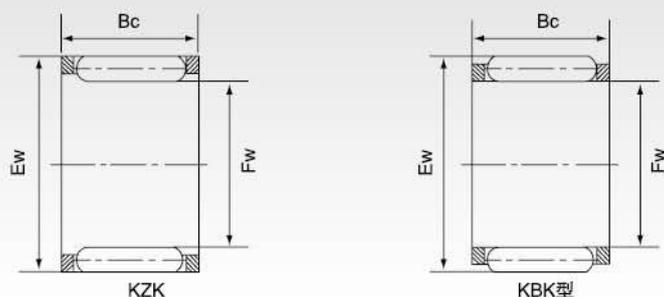
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating	
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动	静
							Dynamic	Static
							N	
8	KZK8 x 12 x 8	19242/8	1.9	8	12	8	4700	4580
10	KZK10 x 14 x 10	29242/10	3.3	10	14	10	5000	5160
12	KZK12 x 15 x 13	49241/12	3.6	12	15	13	5300	7400
	KZK12 x 16 x 10	29242/12	3.5	12	16	10	6100	6900
	KZK12 x 16 x 11		3.7	12	16	11	6200	7100
	KZK12 x 17 x 10	19243/12	5	12	17	10	7020	7020
	KZK12 x 18 x 10	19242/12	7.8	12	18	10	7400	7200
14	KZK14 x 18 x 10	29241/14	4	14	18	10	7100	8500
	KZK14 x 19 x 10	19242/14	5.5	14	19	10	7300	7600
	KZK14 x 19 x 10		7.5	14	19	12	7460	7950
	KZK14.4 x 20.4 x 10		6.5	14.4	20.4	10	8100	7800
15	KZK15 x 19 x 9		5	15	19	9	6800	7100
	KZK15 x 19 x 10	29241/15	6	15	19	10	7200	8400
	KZK15 x 20 x 10	19242/15	7.5	15	20	10	7800	9100
	KZK15 x 21 x 10		8.5	15	21	10	8400	10500
	KZK15 x 21 x 11		9.5	15	21	11	8500	10700
16	KZK15.2 x 22.2 x 12		11.5	15.2	22.2	12	8600	11100
	KZK16 x 20 x 10	29241/16	5.8	16	20	10	8200	9200
	KZK16 x 20 x 24	79241/16	6.3	16	20	24	8700	9400
	KZK16 x 21 x 10	19242/16	5.8	16	21	10	8800	9800
	KZK16 x 22 x 12	19243/16	9.5	16	22	12	11000	11900
17	KZK16 x 22 x 14		11	16	22	14	13200	13930
	KZK17 x 21 x 10	29241/17	6.7	17	21	10	7600	9000
18	KZK17 x 23 x 11		9.5	17	23	11	8100	11300
	KZK18 x 22 x 10	29241/18	6.9	18	22	10	7600	9800
	KZK18 x 22 x 24		7.2	18	22	24	10100	17200
	KZK18 x 24 x 11.6	19243/18	10	18	24	11.6	11600	13100
	KZK18 x 24 x 12	19243/18	10	18	24	12	11600	13100
	KZK18 x 24 x 13.3		12.4	18	24	13.3	9000	10700
	KZK18 x 24 x 13.5		12.4	18	24	13.5	9000	10700
19	KZK18 x 24 x 15	29243/18	14	18	24	15	13200	15500
	KZK19 x 25 x 16	19244/19K	13.9	19	25	16	12100	15500
20	KZK19 x 28 x 14		20	19	28	14	12100	15000
	KZK20 x 25 x 16		12	20	25	16	9900	12300
	KZK20 x 26 x 12	19243/20	9.6	20	26	12	10100	12500
	KZK20 x 26 x 14		12	20	26	14	12600	16700
22	KZK20 x 26 x 17	9246/20	17	20	26	17	12700	17600
	KZK22 x 28 x 13		15	22	28	13	11900	16500
	KZK22 x 28 x 14		16	22	28	14	12600	16800

连杆用滚针和保持架组件

Rod-use Needle Roller and Cage Assemblies For



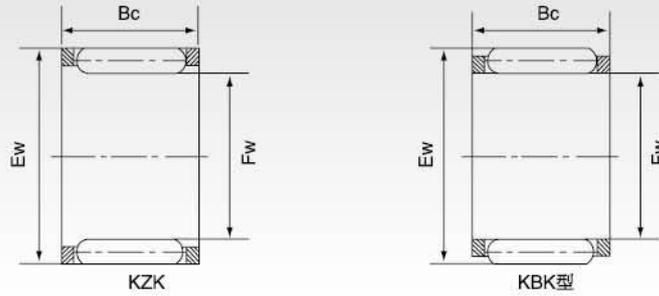
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating	
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static
				mm			N	
22	KZK22 x 28 x 15	29242/22	16.7	22	28	15	13500	18500
	KZK22 x 28 x 16	29243/22K	18	22	28	16	14400	20100
	KZK22 x 29 x 15		15.2	22	29	15	17800	21800
	KZK22 x 29 x 16	19244/32	19	22	29	16	17800	21800
	KZK22 x 30 x 16	SZ-432	25.7	22	30	16	18700	22300
23	KZK23 x 29 x 13		12	23	29	13	10000	11300
	KZK23 x 30 x 14		19.4	23	30	14	9350	10100
	KZK23 x 30 x 16		22	23	30	16	9780	11800
23.1	KZK23.1 x 28.1 x 14	29242/23.1	12.9	23.1	28.1	14	10600	15800
24	KZK24 x 30 x 15		17	24	30	15	11200	13700
	KZK24 x 30 x 16		18	24	30	16	11200	13700
25	KZK25 x 30 x 28	69245/25	24	25	30	28	13300	15200
	KZK25 x 31 x 12	19243/25K	16	25	31	12	8700	8800
	KZK25 x 31 x 17	39243/25	23	25	31	17	9200	9750
	KZK25 x 31 x 20	49243/25	26	25	31	20	9700	10600
	KZK25 x 32 x 16	19244/25	22.7	25	32	16	18200	23100
25.1	KZK25.1 x 30.1 x 14		14.1	25.1	30.1	14	13700	19000
26	KZK26 x 34 x 16	9248/26	25	26	34	16	11700	17500
28	KZK28 x 33 x 14		15.7	28	33	14	13200	21900
	KZK28 x 34 x 14		20	28	34	14	16500	20700
	KZK28 x 35 x 15		25	28	35	15	18000	22000
	KZK28 x 35 x 16	19243/28	27	28	35	16	18900	23000
	KZK28 x 36 x 16		29.1	28	36	16	19500	27000
	KZK28 x 38 x 13.6		40	28	38	13.6	17300	20300
30	KZK30 x 36 x 16		28.5	30	36	16	18900	22800
	KZK30 x 37 x 16	19243/30	29	30	37	16	21500	30500
	KZK30 x 38 x 16		34.4	30	38	16	22700	32600
	KZK30 x 38 x 18		38.8	30	38	18	26200	39600
32	KZK32 x 40 x 22	19244/32K	50	32	40	22	27800	39300
	KZK32 x 42 x 20		54	32	42	20	29000	41000
35	KZK35 x 42 x 20	29243/35	10	35	42	20	26000	40200
38	KZK38 x 46 x 20	19244/38	50	38	46	20	31100	43000
40	KZK40 x 48 x 17		50	40	48	17	29000	39000
	KZK40 x 48 x 20	19244/40	54	40	48	20	32500	51000



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating	
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动	静
							Dynamic	Static
							N	
8	KBK8 x 11 x 10	39241/8	1.85	8	11	10	3500	4000
	KBK8 x 12 x 10	29242/8	2	8	12	10	3700	4100
9	KBK9 x 12 x 11.5		2.4	9	12	11.5	4200	4800
	KBK9 x 12 x 13	49241/9	2.75	9	12	13	4600	5800
	KBK9 x 12 x 14		3.5	9	12	14	4700	5900
	KBK9 x 13 x 12	39242/9	4.1	9	13	12	5300	5700
	KBK9 x 13 x 12.5		4.9	9	13	12.5	5300	5700
	KBK9 x 13 x 13	39242/9	5.1	9	13	13	5350	5600
10	KBK10 x 13 x 8	29241/10	2	10	13	8	4000	5000
	KBK10 x 13 x 10	39241/10	2.4	10	13	10	4200	5200
	KBK10 x 13 x 14.5	59241/10	5.1	10	13	14.5	5400	6600
	KBK10 x 13 x 16		5.7	10	13	16	6800	7700
	KBK10 x 14 x 10	29242/10	3.4	10	14	10	4400	4600
	KBK10 x 14 x 11		4	10	14	11	5200	5700
	KBK10 x 14 x 12		4.5	10	14	12	5400	6000
	KBK10 x 14 x 12.5		4.85	10	14	12.5	5600	6200
	KBK10 x 14 x 13	39242/10	5.4	10	14	13	5600	6200
11	KBK11 x 15 x 17		5	11	15	17	5200	7000
12	KBK12 x 15 x 13	49241/12	4.6	12	15	13	5500	7300
	KBK12 x 15 x 14.3		5.4	12	15	14.3	5800	7700
	KBK12 x 15 x 15	59241/12	5.6	12	15	15	5900	7800
	KBK12 x 15 x 16.5		6.2	12	15	16.6	6800	9900
	KBK12 x 15 x 17	69241/12	6.3	12	15	17	7000	10000
	KBK12 x 15 x 17.5		6.5	12	15	17.5	7000	10000
	KBK12 x 16 x 13	39242/12	6.7	12	16	13	6300	7600
	KBK12 x 16 x 15	149242/12KY	7.9	12	16	15	7500	9000
	KBK12 x 16 x 15.5		8.3	12	16	15.5	7600	10000
	KBK12 x 16 x 16	59241/12	8.5	12	16	16	7800	9300
	KBK12 x 16 x 17	59242/12	9.2	12	16	17	7900	9400
	KBK12 x 17 x 14		8	12	17	14	8000	9500
	KBK12 x 17 x 14.3		8.4	12	17	14.3	8000	9500
	KBK19 x 17 x 14.8		8.8	12	17	14.8	8300	9800
13	KBK13 x 17 x 14.5		7.1	13	17	14.5	8300	10200
	KBK13 x 17 x 17.5		8.6	13	17	17.5	9500	12100
14	KBK14 x 18 x 10	29241/14	4.6	14	18	10	6260	7400
	KBK14 x 18 x 12		6.6	14	18	12	6380	7570
	KBK14 x 18 x 13	39241/14	7.6	14	18	13	7300	8700
	KBK14 x 18 x 14		6.33	14	18	14	7400	8800
	KBK14 x 18 x 14.5		8	14	18	14.5	7400	8800

连杆用滚针和保持架组件

Rod-use Needle Roller and Cage Assemblies For



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating	
	现型号 Current Code	原型号 Original Code		Fw	Ew	Bc	动 Dynamic	静 Static
				mm			N	
14	KBK14 x 18 x 15	49241/14	8.3	14	18	15	7600	8990
	KBK14 x 18 x 16.5		9.6	14	18	16.5	8800	9700
	KBK14 x 18 x 17	59241/14	10.1	14	18	17	8900	9800
	KBK14 x 18 x 20	69241/14	12	14	18	20	9000	10100
	KBK14 x 18 x 21		13	14	18	21	10500	12400
	KBK14 x 19 x 22		14	14	18	22	11100	13100
	KBK14 x 18 x 17	49242/14K	10.3	14	19	17	11100	13100
15	KBK15 x 19 x 10	29241/15Y	5	15	19	10	6500	8600
	KBK15 x 19 x 18		11	15	19	18	9900	11300
	KBK15 x 19 x 19		12	15	19	19	10100	12800
	KBK15 x 19 x 20	69241/15	12.9	15	19	20	11300	15500
	KBK15 x 20 x 24		18.6	15	20	24	14100	20000
16	KBK16 x 20 x 19	SZ-433	12	16	20	19	11700	16800
	KBK16 x 20 x 20	69241/16Y	13.4	16	20	20	12900	17600
	KBK16 x 20 x 21		14	16	20	21	12900	17600
	KBK16 x 20 x 22		15	16	20	22	13000	18700
	KBK16 x 21 x 19	59242/16	16	16	21	19	13000	18700
17.5	KBK17.5 x 22 x 16		9.3	17.5	22	16	11000	16300
18	KBK18 x 22 x 22		16.9	18	22	22	11500	17700
	KBK18 x 22 x 23.5		18	18	22	23.5	11900	19000
	KBK18 x 22 x 24		18.4	18	22	24	12000	20000
	KBK18 x 22 x 25		19.1	18	22	25	12700	20100
	KBK18 x 23 x 21		18	18	23	21	9900	10100
	KBK18 x 23 x 23	69242/18	20	18	23	23	10500	12000
	KBK18 x 24 x 20	49243/18	20	18	24	20	20000	25000
20	KBK20 x 24 x 30		22.1	20	24	30	14900	25500
	KBK20 x 25 x 22		19.5	20	25	22	15200	22300
	KBK20 x 25 x 25		23	20	25	25	17100	24000

实体套圈滚针轴承结构紧凑，径向尺寸小，负荷容量大，适用于径向轮廓尺寸受到限制的部件中，在轴或外壳有摆动运动的情况下也广泛采用。滚针轴承一般只能承受径向负荷，不能承受轴向负荷。当有轴向负荷时，应和其它轴承组合使用，它不限制轴或外壳的轴向位移。滚针轴承的极限转速较低，在主机转速较高的情况下，应尽量选用带保持架的滚针轴承，和其它类型的滚动轴承相比，在径向尺寸相同的情况下，滚针轴承负荷容量最大，它的刚性较高，但摩擦力矩也较大。

此类轴承有多种结构及尺寸系列，要求轴颈或外壳滚动面表面硬度、加工精度和表面粗糙度应与轴承套圈相同。所组装G2级滚针，分组批直径变动量在 $2\mu\text{m}$ 以内，除满装滚针轴承外，均采用高刚性保持架，能够正确地引导滚针平行轴线。



实体套圈滚针轴承

Solid Collar Needle Roller Bearing

The solid collar needle roller bearing has compact structure, small radial size and large load carrying capacity. It is suitable for the parts of which the radial overall size is limited. It is also wide applied to the situation where the shaft or housing has the swinging motion. In general, the needle roller bearing only withstands the radial load, not the axial load. When the shaft has axial load, it can be used in combination with other bearings. However, it does not limit the axial shift of shaft or housing. The limiting rotational speed of needle roller bearing is lower. In high rotational speed of main machine, the needle roller bearing with cage shall be chosen as far as possible. In comparison with other types of needle roller bearings, under the situation of same radial size, the needle roller bearing has the large load carrying capacity and high rigidity but has high friction torque.

This kind of bearing has many series with different structure and size. It is requested that the hardness, processing accuracy and surface roughness of shaft journal surface and rolling surface of outer housing be same as those of the collar of bearing. As for the needle roller with G2 class, the diameter varies within $2\mu\text{m}$ in group. Except the full complement needle roller bearings, they have the rigid cages, which can correctly guide the parallel axis line of needle roller.

无内圈滚针轴承RNA、NK型

无内圈滚针轴承适用于径向尺寸受限制的部件中，由于无内圈，与其配合的轴颈表面直接作为滚动面。要求其表面硬度不低于HRC60，表面粗糙度Ra值不大于0.63 μm ，该种轴承不限制轴或外壳的轴向位移，极限转速较高。

有内圈滚针轴承NA、NKI型

该种轴承由于内圈无挡边，因此可分别安装内圈、外圈、全套滚针和保持架，不限制轴或外壳的轴向位移。由于用保持架将滚针隔开，减少了摩擦，所以可用在转速较高的部件中。



无内圈滚针轴承RNA、NK型

Model RNA, NK Needle Roller Bearings Without Inner Ring

有内圈滚针轴承NA、NKI型

Model NA, NKI Needle Roller Bearings With Inner Ring

The needle roller bearing without inner ring is suitable for the parts of which the radial size is limited. Because of no inner ring, the surface of shaft journal fitted with it is acted directly as rolling surface. It is requested that the surface hardness be no less than HRC60, surface roughness, no more than 0.63 μm . This kind of bearing does not limit the axial shift of shaft and housing and has high limiting rotational speed.

The inner ring has no shoulder in this bearing. For this purpose, the inner ring, outer ring, complete set of needles and cage can be mounted respectively. This bearing does not limit the axial shift of shaft and outer housing. Since the cage separates the needles so as to reduce friction. It can be used for the parts with high rotational speed.

公制向心轴承公差极限

1. 公差等级Po (标准级公差)。

内圈 (公差值 μm)

d (mm)		ΔDmp 偏差		V_{Dp} (O) ²⁾ 直径系列			V_{dmp} (//)	K_{ia} (↗)	ΔDs 偏差		V_{Bs} (//)
				8.9	0	2.3					
超过	到	高	低	最大			最大	最大	高	低	最大
0.6 ¹⁾	25	0	-8	10	8	6	6	10	0	-40	12
2.5	10	0	-8	10	8	6	6	10	0	-120	15
10	18	0	-8	10	8	6	6	10	0	-120	20
18	30	0	-10	13	10	8	8	13	0	-120	20
30	50	0	-12	15	12	9	9	15	0	-120	20
50	80	0	-15	19	19	11	11	20	0	-150	25
80	120	0	-20	25	25	15	15	25	0	-200	25
120	180	0	-25	31	31	19	19	30	0	-250	30
180	250	0	-30	38	38	23	23	40	0	-300	30
250	315	0	-35	44	44	26	26	50	0	-350	35
315	400	0	-40	50	50	30	30	60	0	-400	40
400	500	0	-45	56	56	34	34	65	0	-450	50
500	630	0	-50	63	63	38	38	70	0	-500	60
630	800	0	-75	-	-	-	-	80	0	-750	70
800	1000	0	-100	-	-	-	-	90	0	-1000	80
1000	1250	0	-125	-	-	-	-	100	0	-1250	100
1250	1600	0	-160	-	-	-	-	120	0	-1600	120
1600	2000	0	-200	-	-	-	-	140	0	-2000	140

1) 此直径包含在本组内。

2) V_{a} 数值的一半。

外圈 (公差值 μm)

D (mm)		ΔDmp 偏差		V_{Dp} (O) ²⁾ 直径系列			$V_{\text{dmp}}^{3)}$ (//)	K_{ea} (↗)	ΔCs 偏差	V_{Ca} (//)
				8.9	0	2.3				
超过	到	高	低	最大			最大	最大	与同一轴承之内圈的 ΔBs 和 V_{Bs} 相同。	
2.5 ¹⁾	6	0	-8	10	8	6	6	15		
6	18	0	-8	10	8	6	6	15		
18	30	0	-9	12	9	7	7	15		
30	50	0	-11	14	11	8	8	20		
50	80	0	-13	16	13	10	10	25		
80	120	0	-15	19	19	11	11	35		
120	150	0	-18	23	23	14	14	40		
150	180	0	-25	31	31	19	19	45		
180	250	0	-30	38	38	23	23	50		
250	315	0	-35	44	44	26	26	60		
315	400	0	-40	50	50	30	30	70		
400	500	0	-45	56	56	34	34	80		
500	630	0	-50	63	63	38	38	100		
630	800	0	-75	94	94	55	55	120		
800	1000	0	-100	125	125	75	75	140		
1000	1250	0	-125	-	-	-	-	160		
1250	1600	0	-160	-	-	-	-	190		
1600	2000	0	-200	-	-	-	-	220		
2000	2500	0	-250	-	-	-	-	250		

1) 此直径包含在本组内。

2) V_{a} 数值的一半。

3) 适用于轴承装配之前和取掉内止动环或外止动环之后。

2. 公差等级P6。 内圈 (公差值 μm)

d (mm)		ΔDmp 偏差		$V_{\text{Dp}}(\text{O})^{2)}$ 直径系列			V_{dmp} (//)	K_{ea} (\nearrow)	ΔDs 偏差		V_{Bs} (//)
				8.9	0	2.3					
超过	到	高	低	最大			最大	最大	高	低	最大
0.6 ¹⁾	25	0	-7	9	7	5	5	5	0	-40	12
2.5	10	0	-7	9	7	5	5	6	0	-120	15
10	18	0	-7	9	7	5	5	7	0	-120	20
18	30	0	-8	10	8	6	6	8	0	-120	20
30	50	0	-10	13	10	8	8	10	0	-120	20
50	80	0	-12	15	15	9	9	10	0	-150	25
80	120	0	-15	19	19	11	11	13	0	-200	25
120	180	0	-18	23	23	14	14	18	0	-250	30
180	250	0	-22	28	28	17	17	20	0	-300	30
250	315	0	-25	31	31	19	19	25	0	-350	35
315	400	0	-30	38	38	23	23	30	0	-400	40
400	500	0	-35	44	44	26	26	35	0	-450	45
500	630	0	-40	50	50	30	30	40	0	-500	50

1) 此直径包含在本组内。

2) V_{ds} 数值的一半。

外圈 (公差值 μm)

D (mm)		ΔDmp 偏差		$V_{\text{Dp}}(\text{O})^{2)}$ 直径系列			$V_{\text{dmp}}^{3)}$ (//)	K_{ea} ()	ΔCs 偏差	V_{Ca} (//)
				8.9	0	2.3				
超过	到	高	低	最大			最大	最大	与同一轴承之内圈的 Δ_{Bs} 和 V_{Bs} 相同。	
2.5 ¹⁾	6	0	-7	9	7	5	5	8		
6	18	0	-7	9	7	5	5	8		
18	30	0	-8	10	8	6	6	9		
30	50	0	-9	11	9	7	7	10		
50	80	0	-11	14	11	8	8	13		
80	120	0	-13	16	16	10	10	18		
120	150	0	-15	19	19	11	11	20		
150	180	0	-18	23	23	14	14	23		
180	250	0	-20	25	25	15	15	25		
250	315	0	-25	31	31	19	19	30		
315	400	0	-28	35	35	21	21	35		
400	500	0	-33	41	41	25	25	40		
500	630	0	-38	48	48	29	29	50		
630	800	0	-45	56	56	34	34	60		
800	1000	0	-60	75	75	45	45	75		

1) 此直径包含在本组内。

2) V_{ds} 数值的一半。

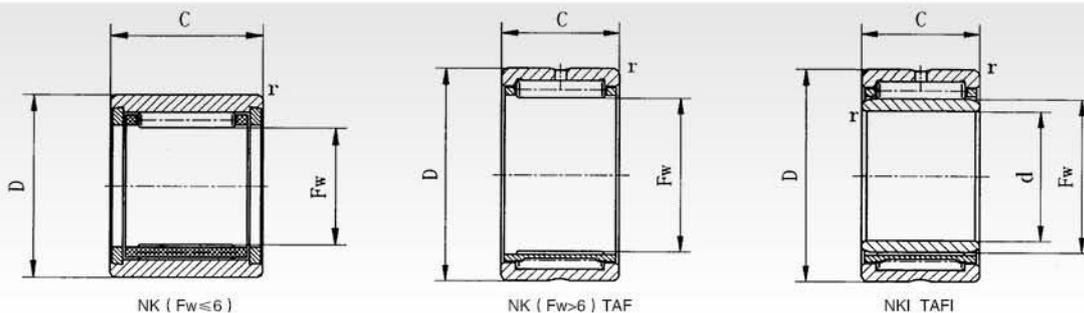
3) 适用于轴承装配之前和取掉内止动环或外止动环之后。

公制滚针轴承和圆柱滚子轴承的原始径向游隙

公称内径		原始径向游隙 μm							
d		C2		C0		C3		C4	
超过	到	最小	最大	最小	最大	最小	最大	最小	最大
-	24	0	25	20	45	35	60	50	75
24	30	0	25	20	45	35	60	50	75
30	40	5	30	25	50	45	70	60	85
40	50	5	35	30	60	50	80	70	100
50	65	10	40	40	70	60	90	80	110
65	80	10	45	40	75	65	100	90	125
80	100	15	50	50	85	75	110	105	140
100	120	15	55	50	90	85	125	125	165
120	140	15	60	60	105	100	145	145	190
140	160	20	70	70	120	115	165	165	215
160	180	25	75	75	125	120	170	170	220
180	200	35	90	90	145	140	195	195	250
200	225	45	105	105	165	160	220	220	285
225	250	45	110	110	175	170	235	235	300
250	280	55	125	125	195	190	260	260	330
280	315	55	130	130	205	200	275	275	350
315	355	65	145	145	225	225	305	305	385
355	400	100	190	190	280	280	370	370	460
400	450	110	210	210	310	310	410	410	510
450	500	110	220	220	330	330	440	440	550

轻系列实体套圈滚针轴承 (公制)

Light Series Needle Roller Bearings



NK (Fw ≤ 6)

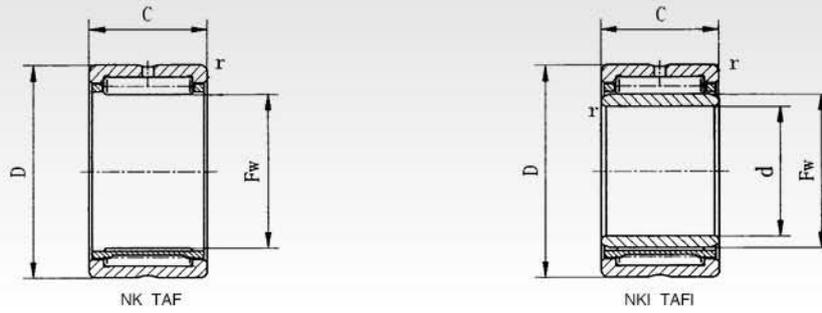
NK (Fw > 6) TAF

NKI TAFI

轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions					允许 偏移 (s)	额定负荷(kN) Basic Load Rating		极限转速 Limiting Speed (rpm)
				d	Fw	D	C	r _{min}		动 C Dynamic	静 Co Static	
		NK5/10TN	3.1		5	10	10	0.15		2.11	1.75	32000
		NK5/12TN	3.7		5	10	12	0.15		2.18	1.8	32000
		NK6/10TN	4.7		6	12	10	0.15		2.13	1.82	29600
		NK6/12TN	5.7		6	12	12	0.15		2.72	2.52	29600
		NK7/10	6.9		7	14	10	0.3		2.14	1.88	27200
		NK7/12	8.2		7	14	12	0.3		2.72	2.56	27200
NKI5/12	12	NK8/12	8.7	5	8	15	12	0.3	1.5	3.2	3.28	25600
		NK8/16	12		8	15	16	0.3		3.88	4.16	25600
NKI6/12	13	NK9/12	10	6	9	16	12	0.3	1.5	3.64	4	24000
NKI6/16	17	NK9/16	13	6	9	16	16	0.3	2	4.4	5.12	24000
NKI7/12	14	NK10/12	10	7	10	17	12	0.3	1.5	3.64	4.08	22400
NKI7/16	18	NK10/16	13	7	10	17	16	0.3	2	4.36	5.16	22400
NKI9/12	18	NK12/12	13	9	12	19	12	0.3	1.5	4	4.88	20800
NKI9/16	22	NK12/16	16	9	12	19	16	0.3	2	7.2	8.8	20800
NKI10/16	30	NK14/16	21	10	14	22	16	0.3	0.5	8.24	9.2	19200
NKI10/20	38	NK14/20	26	10	14	22	20	0.3	0.5	10.4	12.48	19200
		NK15/16	22		15	23	16	0.3		8.72	10.16	18400
		NK15/20	27		15	23	20	0.3		11.04	13.76	18400
NKI12/16	33	NK16/16	22	12	16	24	16	0.3	0.5	9.76	11.92	18400
NKI12/20	42	NK16/20	28	12	16	24	20	0.3	0.5	11.68	15.04	18400
		NK17/16	24		17	25	16	0.3		9.68	12	17600
		NK17/20	30		17	25	20	0.3		12.32	16.32	17600
		NK18/16	25		18	26	16	0.3		10.16	12.96	16800
		NK18/20	31		18	26	20	0.3		12.88	17.6	16800
NKI15/16	39	NK19/16	26	15	19	27	16	0.3	0.5	10.64	13.92	16800
NKI15/20	45	NK19/20	32	15	19	27	20	0.3	0.5	12.8	17.76	16800
		NK20/16	27		20	28	16	0.3		10.56	14	16000
		NK20/20	34		20	28	20	0.3		13.36	19.04	16000

轻系列实体套圈滚针轴承 (公制)

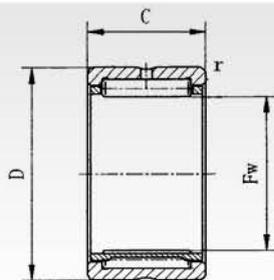
Light Series Needle Roller Bearings



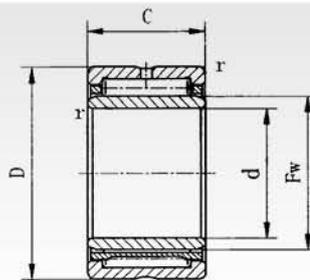
轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions					允许 偏移 (s)	额定负荷(kN) Basic Load Rating		极限转速 Limiting Speed (rpm)
				d	Fw	D	C	r _{min}		动 C Dynamic	静 Co Static	
NKI17/16	42	NK21/16	28	17	21	29	16	0.3	0.5	11	15	15200
NKI17/20	53	NK21/20	35	17	21	29	20	0.3	0.5	14.64	21.68	15200
		NK22/16	34		22	30	16	0.3		11.36	15.92	14400
		NK22/20	37		22	30	20	0.3		14.4	21.6	14400
NKI20/16	49	NK24/16	32	20	24	32	16	0.3	0.5	12.16	17.84	13600
NKI20/20	61	NK24/20	40	20	24	32	20	0.3	0.5	14.88	23.04	13600
		NK25/16	33		25	33	16	0.3		12.08	17.92	12800
		NK25/20	42		25	33	20	0.3		15.36	24.4	12800
NKI22/16	46	NK26/16	34	22	26	34	16	0.3	0.5	12.48	18.88	12000
NKI22/20	64	NK26/20	42	22	26	34	20	0.3	0.5	15.28	24.4	12000
		NK28/20	52		28	37	20	0.3		17.84	27.2	11200
		NK28/30	82		28	37	30	0.3		21.36	38.4	11200
NKI25/20	79	NK29/20	54	25	29	38	20	0.3	1	17.76	27.2	11200
NKI25/30	123	NK29/30	84	25	29	38	30	0.3	1.5	22	40.4	11200
		NK30/20	65		30	40	20	0.3		17.68	27.2	10400
		NK30/30	98		30	40	30	0.3		26.4	45.6	10400
NKI28/20	96	NK32/20	68	28	32	42	20	0.3	1	18.8	30	10400
NKI28/30	146	NK32/30	102	28	32	42	30	0.3	1.5	27.2	48.4	10400
NKI30/20	112	NK35/20	74	30	35	45	20	0.3	0.5	19.84	33.2	8800
NKI30/30	171	NK35/30	112	30	35	45	30	0.3	1	28.8	53.2	8800
NKI32/20	117	NK37/20	77	32	37	47	20	0.3	0.5	20.24	34.8	8800
NKI32/30	170	NK37/30	107	32	37	47	30	0.3	1	29.2	55.6	8800
		NK38/20	79		38	48	20	0.3		20.72	36	8800
		NK38/30	107		38	48	30	0.3		30	58.4	8800
NKI35/20	130	NK40/20	83	35	40	50	20	0.3	0.5	21.12	37.6	8000
NKI35/30	193	NK40/30	125	35	40	50	30	0.3	1	30.8	60.8	8000
		NK42/20	86		42	52	20	0.3		21.52	39.2	7600
		NK42/30	130		42	52	30	0.3		31.2	63.2	7600

轻系列实体套圈滚针轴承 (公制)

Light Series Needle Roller Bearings



NK TAF

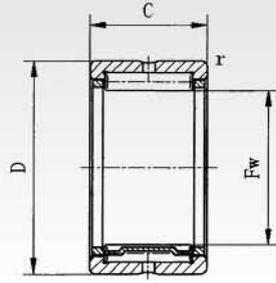


NKI TAFI

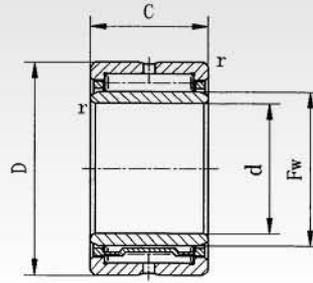
轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions					允许 偏移 (s)	额定负荷(kN) Basic Load Rating		极限转速 Limiting Speed (rpm)
				d	Fw	D	C	r _{min}		动 C Dynamic	静 Co Static	
NKI38/20	134	NK43/20	86	38	43	53	20	0.3	0.5	22	40.8	7600
NKI38/30	207	NK43/30	133	38	43	53	30	0.3	1	32	65.6	7600
NKI40/20	143	NK45/20	92	40	45	55	20	0.3	0.5	22.4	42	7200
NKI40/30	216	NK45/30	139	40	45	55	30	0.3	1	32.8	68.4	7200
NKI42/20	148	NK47/20	95	42	47	57	20	0.3	0.5	23	44.4	6800
NKI42/30	222	NK47/30	142	42	47	57	30	0.3	1	34	73.2	6800
NKI45/25	229	NK50/25	158	45	50	62	25	0.6	1.5	30.8	59.6	6400
NKI45/35	322	NK50/35	221	45	50	62	35	0.6	2	40.8	84.8	6400
NKI50/25	271	NK55/25	193	50	55	68	25	0.6	1.5	32.8	65.6	6000
NKI50/35	379	NK55/35	267	50	55	68	35	0.6	2	43.2	94.4	6000
NKI55/25	271	NK60/25	185	55	60	72	25	0.6	1.5	32.8	68	5200
NKI55/35	379	NK60/35	258	55	60	72	35	0.6	2	45.6	104	5200
		NK65/25	221		65	78	25	0.6		36	78.4	4800
		NK65/35	310		65	78	35	0.6		48	113.6	4800
NKI60/25	393	NK68/25	241	60	68	82	25	0.6	1	35.6	71.2	4800
NKI60/35	551	NK68/35	338	60	68	82	35	0.6	1	50.4	111.2	4800
		NK70/25	275		70	85	25	0.6		36	73.2	4400
		NK70/35	386		70	85	35	0.6		51.2	115.2	4400
NKI65/25	466	NK73/25	302	65	73	90	25	1	1	43.2	80	4400
NKI65/35	660	NK73/35	428	65	73	90	35	1	1	61.2	124.8	4400
		NK75/25	315		75	92	25	1		44	83.2	4400
		NK75/35	492		75	92	35	1		62.4	129.6	4400
NKI70/25	525	NK80/25	301	70	80	95	25	1	0.8	45.6	95.2	4000
NKI70/35	738	NK80/35	425	70	80	95	35	1	0.8	63.6	147.2	4000

轻系列实体套圈滚针轴承 (公制)

Light Series Needle Roller Bearing



NK (D ≥ 100) TAF

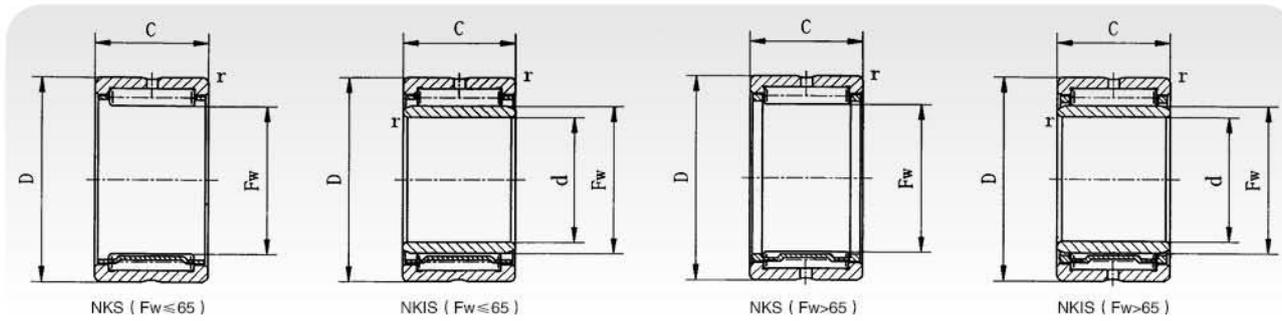


NKI (D ≥ 100) TAFI

轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions					允许 偏移 (s)	额定负荷(kN) Basic Load Rating		极限转速 Limiting Speed (rpm)
				d	Fw	D	C	r _{min}		动 C Dynamic	静 Co Static	
NKI75/25	642	NK85/25	404	75	85	105	25	1	1	56.4	98.4	3760
NKI75/35	853	NK85/35	517	75	85	105	35	1	1	80	154.4	3760
NKI80/25	680	NK90/25	426	80	90	110	25	1	1	57.2	102.4	3520
NKI80/35	959	NK90/35	604	80	90	110	35	1	1	83.2	166.4	3520
NKI85/26	743	NK95/26	490	85	95	115	26	1	1.5	59.6	109.6	3360
NKI85/36	1050	NK95/36	652	85	95	115	36	1	1.5	86.4	178.4	3360
NKI90/26	781	NK100/26	487	90	100	120	26	1	1.5	58.8	109.6	3200
NKI90/36	1090	NK100/36	679	90	100	120	36	1	1.5	85.6	178.4	3200
NKI95/26	819	NK105/26	506	95	105	125	26	1	1.5	61.2	117.6	3040
NKI95/36	1150	NK105/36	713	95	105	125	36	1	1.5	88.8	190.4	3040
NKI100/30	990	NK110/30	612	100	110	130	30	1.1	1.5	78	163.2	2880
NKI100/40	1340	NK110/40	830	100	110	130	40	1.1	2	103.2	233.6	2880
NKI110/40	1490	NK120/40	910	110	120	140	40	1.1	1	90.4	214.4	2640
NKI120/40	1570	NK130/40	980	120	130	150	40	1.1		92.8	226.4	2480
NKI130/32	1900	NK145/32	1120	130	145	170	32	1.5		88.8	190.4	2240
NKI130/42	2540	NK145/42	1490	130	145	170	42	1.5		122.4	288	2240
NKI140/32	2040	NK155/32	1200	140	155	180	32	1.5		91.2	201.6	2080
N KI140/42	2690	NK155/42	1590	140	155	180	42	1.5		124.8	304	2080
NKI150/32	2320	NK165/32	1420	150	165	190	32	1.5		93.6	212	1920
NKI150/42	2840	NK165/42	1660	150	165	190	42	1.5		128	320	1920

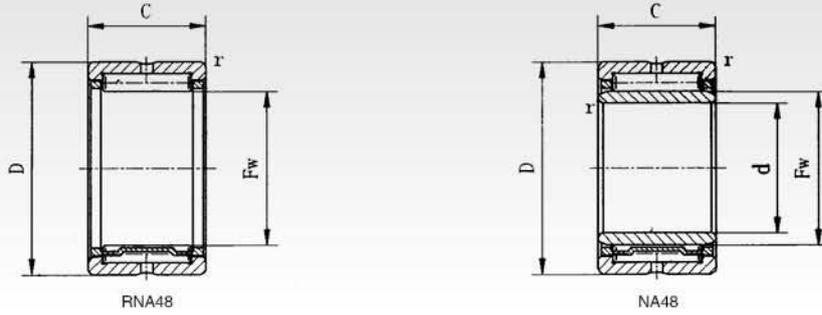
重系列实体套圈滚针轴承 (公制)

Heavy Series Needle Roller Bearings



轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions					允许 偏移 (s)	额定负荷(kN) Basic Load Rating		极限转速 Limiting Speed (rpm)
				d	Fw	D	C	r _{min}		动 C Dynamic	静 Co Static	
		NKS8	11		8	16	13	0.3		4	3.76	25600
NKIS6	19.9	NKS10	15	6	10	19	13	0.3		4.64	4.8	23200
NKIS7	34.6	NKS12	23	7	12	22	16	0.6		7.68	8.32	20800
NKIS8	47.1	NKS14	29	8	14	25	16	0.6		11.52	11.04	19200
NKIS9	41.4	NKS15	30	9	15	26	16	0.6		11.52	11.2	18400
NKIS10	54	NKS16	35	10	16	28	16	0.6		12.56	12.64	17600
NKIS12	60	NKS18	37.9	12	18	30	16	0.6		13.44	14.16	16800
		NKS20	48.7		20	28	20	0.3		18.4	20	16000
NKIS15	92	NKS22	61.5	15	22	35	20	0.3		19.6	22.4	14400
NKIS17	98	NKS24	65.5	17	24	37	20	0.6	0.5	20.8	24.8	13600
		NKS25	68.1		25	38	20	0.6		22	26.8	13600
NKIS20	129	NKS28	83.6	20	28	42	20	0.6	0.5	22.8	29.2	12000
		NKS30	104		30	45	22	0.6		25.6	32	11200
NKIS25	162	NKS32	110	25	32	47	22	0.6	1	26.8	34.8	10400
		NKS35	118		35	50	22	0.6		28	37.6	9600
NKIS30	184	NKS37	123	30	37	52	22	0.6	1	29.2	40	9600
		NKS40	129		40	55	22	0.6		30.4	43.2	8800
NKIS35	220	NKS43	139	35	43	58	22	0.6	0.5	31.2	45.6	8000
		NKS45	145		45	60	22	0.6		32.4	48	8000
NKIS40	281	NKS50	157	40	50	65	22	1	0.5	34	53.6	7200
NKIS45	336	NKS55	221	45	55	72	22	1	0.5	36	59.2	6400
NKIS50	518	NKS60	335	50	60	80	28	1.1	2	50.4	78.4	6000
NKIS55	558	NKS65	356	55	65	85	28	1.1	2	53.6	86.4	5600
NKIS60	560	NKS70	380	60	70	90	28	1.1	2	54.4	90.4	5200
NKIS65	641	NKS75	402	65	75	95	28	1.1	2	56.8	98.4	4800
NKIS70	68	NKS80	413	70	80	100	28	1.1		60	106.4	4400
		NKS115	700		115	135	32	1.1		72.8	163.2	3200

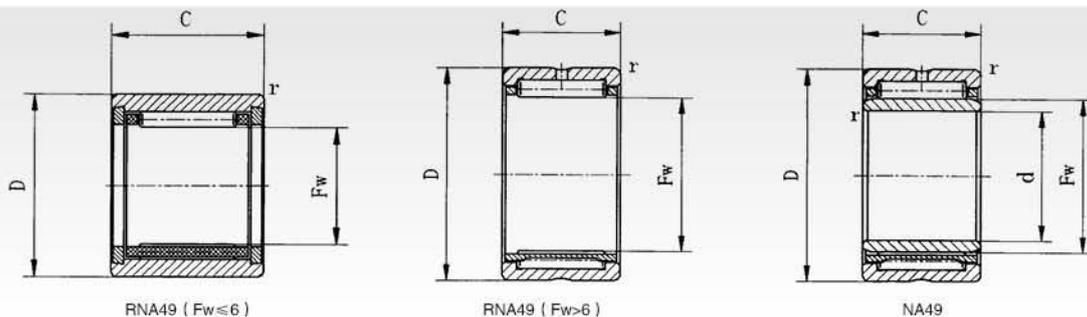
标准实体套圈滚针轴承 (公制) Standard Series Needle Roller Bearings



轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions					允许 偏移 (s)	额定负荷(kN) Basic Load Rating		极限转速 Limiting Speed (rpm)
				d	Fw	D	C	r _{min}		动 C Dynamic	静 Co Static	
NA4822	1110	RNA4822	670	110	120	140	30	1	0.8	74.8	168	2640
NA4824	1170	RNA4824	730	120	130	150	30	1	0.8	79.6	186.4	2480
NA4826	1820	RNA4826	950	130	145	170	35	1.1	1	94.4	244	2240
NA4828	1600	RNA4828	1020	140	155	175	35	1.1	1	96.8	252	2080
NA4830	2720	RNA4830	1600	150	165	190	40	1.1	1.5	121.6	312	1920
NA4832	2900	RNA4832	1700	160	175	200	40	1.1	1.5	128	340	1840
NA4834	3990	RNA4834	2540	170	185	215	45	1.1	1.5	148	396	1760
NA4836	4190	RNA4836	2680	180	195	225	45	1.1	1.5	156	432	1680
NA4838	5620	RNA4838	3210	190	210	240	50	1.5	1.5	181.6	544	1520
NA4840	5840	RNA4840	3350	200	220	250	50	1.5	1.5	184.8	564	1440
NA4844	6370	RNA4844	3620	220	240	270	50	1.5	1.5	193.6	616	1360
(NA4848)	10000	(RNA4848)	5400	240	265	300	60	2	2	288	864	1200
(NA4852)	10800	(RNA4852)	5800	260	285	320	60	2	2	300	928	1120
(NA4856)	15500	(RNA4856)	9300	280	305	350	69	2	2.5	364	1040	1040
(NA4860)	22000	(RNA4860)	12700	300	330	380	80	2.1	2	500	1416	960
(NA4864)	23200	(RNA4864)	13400	320	350	400	80	2.1	2	512	1480	880
(NA4868)	24100	(RNA4868)	14000	340	370	420	80	2.1	2	524	1552	880
(NA4872)	25700	(RNA4872)	14800	360	390	440	80	2.1	2	532	1616	800
(NA4876)	44500	(RNA4876)	26000	380	415	480	100	2.1	2	800	2272	760

标准实体套圈滚针轴承 (公制)

Standard Series Needle Roller Bearings



RNA49 (Fw≤6)

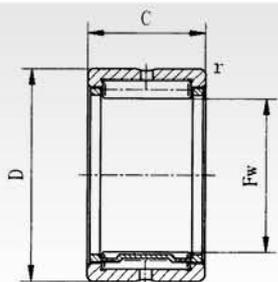
RNA49 (Fw>6)

NA49

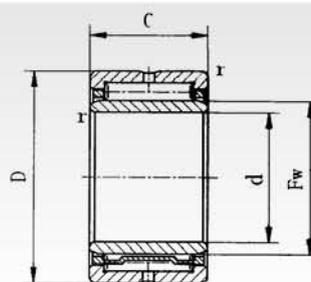
轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions					允许 偏移 (s)	额定负荷(kN) Basic Load Rating		极限转速 Limiting Speed (rpm)
				d	Fw	D	C	r _{min}		动 C Dynamic	静 Co Static	
		RNA493TN	4.6		5	11	10	0.15		1.96	1.57	32000
		RNA494TN	5.3		6	12	10	0.15		2.2	1.8	30000
NA495	7.3	RNA495	5.9	5	7	13	10	0.15	0.5	2.24	2.02	27200
NA496	9.1	RNA496	7.4	6	8	15	10	0.15	0.5	3.14	2.62	25600
NA497	11.2	RNA497	9.3	7	9	17	10	0.15	0.5	3.44	2.77	24000
NA498	15	RNA498	12.6	8	10	19	11	0.2	0.5	4.71	3.82	22400
NA499	16.7	RNA499	13.6	9	12	20	11	0.3	0.5	5.02	4.79	20800
NA4900	24	RNA4900	16.5	10	14	22	13	0.3	0.5	6.88	7.36	19200
NA4901	26.5	RNA4901	18.1	12	16	24	13	0.3	0.5	7.64	8.72	18400
		RNA49/14	19.9		18	26	13	0.3		8.64	10.48	16000
NA4902	36	RNA4902	22	15	20	28	13	0.3	0.5	8.24	10.24	16000
NA4903	37	RNA4903	22	17	22	30	13	0.3	0.5	8.96	11.68	14400
NA4904	74	RNA4904	52	20	25	37	17	0.3	0.8	17.04	20.4	12800
NA49/22	80	RNA49/22	50	22	28	39	17	0.3	0.8	18.56	23.44	11200
NA4905	88	RNA4905	61	25	30	42	17	0.3	0.8	19.2	25.2	10400
NA49/28	98	RNA49/28	73	28	32	45	17	0.3	0.8	19.84	26.8	10400
NA4906	101	RNA4906	69	30	35	47	17	0.3	0.8	20.4	28.4	8800
NA49/32	157	RNA49/32	89	32	40	52	20	0.6	0.8	25.2	38	8000
NA4907	171	RNA4907	107	35	42	55	20	0.6	0.8	25.6	40	7600
		RNA49/38	120		45	58	20	0.6		27.44	44.56	7200
NA4908	232	RNA4908	140	40	48	62	22	0.6	1	34.8	53.2	6800
		RNA49/42	174		50	65	22	0.6		37.42	57.28	6400
NA4909	232	RNA4909	182	45	52	68	22	0.6	1	36.8	58.4	6000
		RNA49/48	188		55	70	22	0.6		36.08	62.32	6000
NA4910	276	RNA4910	163	50	58	72	22	0.6	1	38.4	64	5600
		RNA49/52	205		60	75	22	0.6		38.4	68.36	5200
NA4911	396	RNA4911	255	55	63	80	25	1	1.5	46.8	79.6	5200
		RNA49/58	275		65	82	25	1		48.08	82.4	4800
NA4912	427	RNA4912	275	60	68	85	25	1	1.5	49.2	86.4	4800
		RNA49/62	320		70	88	25	1		50.16	88.8	4400
NA4913	454	RNA4913	312	65	72	90	25	1	1.5	50	89.6	4400

标准实体套圈滚针轴承 (公制)

Standard Series Needle Roller Bearings



RNA49 (D ≥ 100)

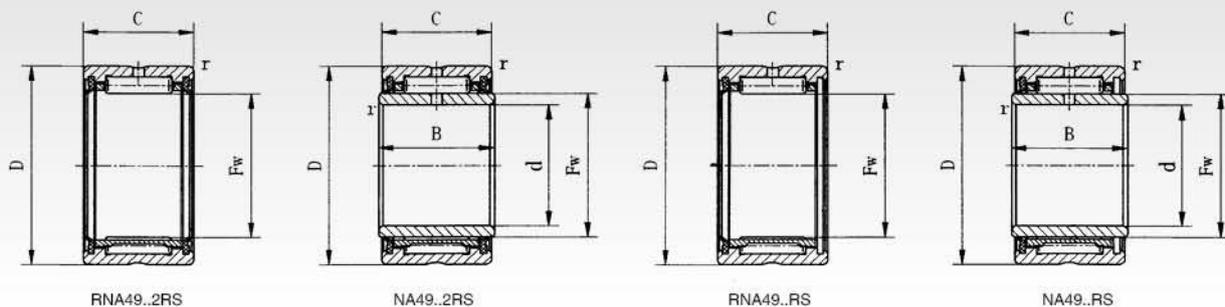


NA49 (D ≥ 100)

轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions					允许 偏移 (s)	额定负荷(kN) Basic Load Rating		极限转速 Limiting Speed (rpm)
				d	Fw	D	C	r _{min}		动 C Dynamic	静 Co Static	
		RNA49/68	470		75	95	30	1		65.2	120	4400
NA4914	727	RNA4914	460	70	80	100	30	1	1.5	68.4	124.8	4000
NA4915	776	RNA4915	489	75	85	105	30	1	1.5	69.6	129.6	3760
NA4916	820	RNA4916	516	80	90	110	30	1	1.5	72.4	139.2	3520
		RNA49/82	575		95	115	30	1		73.44	152	3200
NA4917	1240	RNA4917	657	85	100	120	35	1.1	1	89.6	189.6	3200
NA4918	1310	RNA4918	697	90	105	125	35	1.1	1	92.8	201.6	3040
NA4919	1360	RNA4919	719	95	110	130	35	1.1	1	94.4	208	2880
NA4920	1930	RNA4920	1150	100	115	140	40	1.1	2	101.6	208	2800
NA4922	2080	RNA4922	1240	110	125	150	40	1.1	2	104.8	223.2	2560
NA4924	2840	RNA4924	1860	120	135	165	45	1.1	2	144	304	2400
NA4926	3900	RNA4926	2210	130	150	180	50	1.5	1.5	161.6	364	2160
NA4928	4050	RNA4928	2350	140	160	190	50	1.5	1.5	167.2	388	2000
NA4930	6380	RNA4930	4090	150	170	210	60	2	1.5	208.8	488	1920
NA4932	6750	RNA4932	4310	160	180	220	60	2	1.5	216	520	1760
NA4934	7110	RNA4934	4530	170	190	230	60	2	1.5	223.2	552	1680
NA4936	10200	RNA4936	6250	180	205	250	69	2	1.5	300	712	1600
NA4938	10700	RNA4938	6500	190	215	260	69	2	1.5	312	756	1520
(NA4940)	15400	(RNA4940)	10400	200	225	280	80	2.1	1.5	404	944	1440
(NA4944)	16700	(RNA4944)	11200	220	245	300	80	2.1	1.5	420	1016	1280
(NA4948)	18000	(RNA4948)	12000	240	265	320	80	2.1	2	432	1080	1200
(NA4952)	31100	(RNA4952)	21200	260	290	360	100	2.1	2	644	1520	1120
(NA4956)	33100	(RNA4956)	22500	280	310	380	100	2.1	2	668	1624	1040
(NA4960)	51400	(RNA4960)	33400	300	340	420	118	3	2	864	2112	960
(NA4964)	54400	(RNA4964)	35200	320	360	440	118	3	2	896	2256	880
(NA4968)	57300	(RNA4968)	37000	340	380	460	118	3	2	928	2400	880
(NA4972)	60200	(RNA4972)	38700	360	400	480	118	3	2	960	2560	800
(NA4976)	90300	(RNA4976)	56400	380	430	520	140	4	2	1120	3000	760
(NA4980)	94400	(RNA4980)	58800	400	450	540	140	4	2.5	1160	3200	720
(NA4984)	98500	(RNA4984)	61200	420	470	560	140	4	2.5	1200	3400	680
(NA4988)	131000	(RNA4988)	86900	440	490	600	160	4	2.5	1400	3680	640

带密封圈实体套圈滚针轴承

Needle Roller Bearings on One or Both Sides With lip Seals



RNA49..2RS

NA49..2RS

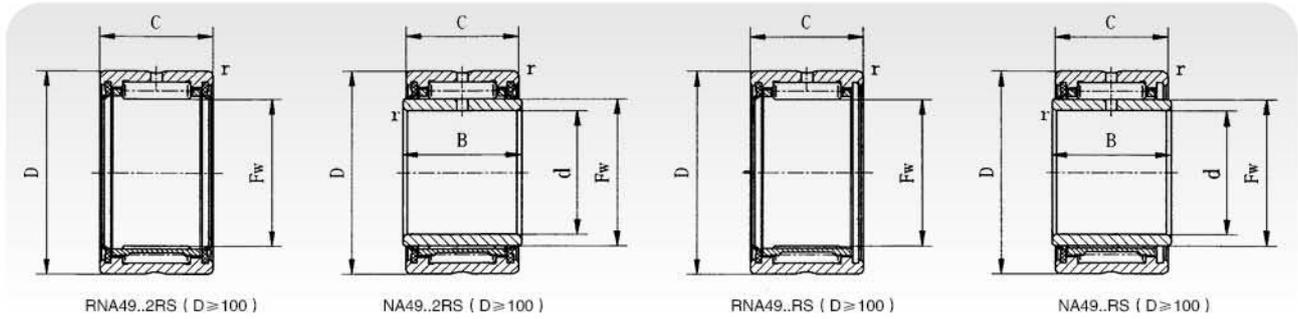
RNA49..RS

NA49..RS

轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	轴承型号 Bearing Designation		外形尺寸(mm) Boundary Dimensions						额定负荷 (kN) Basic Load Rating		极限转速 Limiting Speed (rpm)
				带内圈 With Inner	无内圈 Without Inner	d	Fw	B	D	C	r _{min}	动 C Dynamic	静 Co Static	
NA4900 2RS	24.5	RNA4900 2RS	16.3	NA4900 RS	RNA4900 RS	10	14	14	22	13	0.3	6.56	6.96	11200
NA4901 2RS	27.5	RNA4901 2RS	17.9	NA4901 RS	RNA4901 RS	12	16	14	24	13	0.3	6.88	7.6	9600
		RNA49/14 2RS	19.7		RNA49/14 RS		18		26	13	0.3	7.52	8.8	8800
NA4902 2RS	36	RNA4902 2RS	21.5	NA4902 RS	RNA4902 RS	15	20	14	28	13	0.3	7.84	9.52	7600
NA4903 2RS	39.5	RNA4903 2RS	23	NA4903 RS	RNA4903 RS	17	22	14	30	13	0.3	8.4	10.72	6800
NA4904 2RS	78.5	RNA4904 2RS	54.5	NA4904 RS	RNA4904 RS	20	25	18	37	17	0.3	14.64	16.72	6000
NA49/22 2RS	87.5	RNA49/22 2RS	55.5	NA49/22 RS	RNA49/22 RS	22	28	18	39	17	0.3	14.96	19.28	5600
NA4905 2RS	92.5	RNA4905 2RS	63	NA4905 RS	RNA4905 RS	25	30	18	42	17	0.3	16.56	20.48	5200
NA49/28 2RS	101	RNA49/28 2RS	75.5	NA49/28 RS	RNA49/28 RS	28	32	18	45	17	0.3	17.12	21.84	4800
NA4906 2RS	106	RNA4906 2RS	71	NA4906 RS	RNA4906 RS	30	35	18	47	17	0.3	17.6	23.2	4400
NA49/32 2RS	167	RNA49/32 2RS	94.5	NA49/32 RS	RNA49/32 RS	32	40	21	52	20	0.6	23.92	36	4000
NA4907 2RS	179	RNA4907 2RS	112	NA4907 RS	RNA4907 RS	35	42	21	55	20	0.6	24.56	37.76	3600
		RNA49/38 2RS	119		RNA49/38 RS		45		58	20	0.6	25.84	41.12	3200
NA4908 2RS	245	RNA4908 2RS	150	NA4908 RS	RNA4908 RS	40	48	23	62	22	0.6	30.32	47.6	3200
		RNA49/42 2RS	173		RNA49/42 RS		50		65	22	0.6	31.04	79.6	3200
NA4909 2RS	290	RNA4909 2RS	197	NA4909 RS	RNA4909 RS	45	52	23	68	22	0.6	31.68	51.76	2800
		RNA49/48 2RS	187		RNA49/48 RS		55		70	22	0.6	32.32	54	2800
NA4910 2RS	295	RNA4910 2RS	177	NA4910 RS	RNA4910 RS	50	58	23	72	22	0.6	33.68	58	2800
		RNA49/52 2RS	200		RNA49/52 RS		60		75	22	0.6	34.32	60.08	2400
NA4911 2RS	415	RNA4911 2RS	265	NA4911 RS	RNA4911 RS	55	63	26	80	25	1	42.56	69.92	2400
		RNA49/58 2RS	275		RNA49/58 RS		65		82	25	1	43.6	72.8	2400
NA4912 2RS	445	RNA4912 2RS	285	NA4912 RS	RNA4912 RS	60	68	26	85	25	1	44.48	75.68	2400
		RNA49/62 2RS	320		RNA49/62 RS		70		88	25	1	45.44	78.56	2000
NA4913 2RS	475	RNA4913 2RS	325	NA4913 RS	RNA4913 RS	65	72	26	90	25	1	46.4	81.6	2000

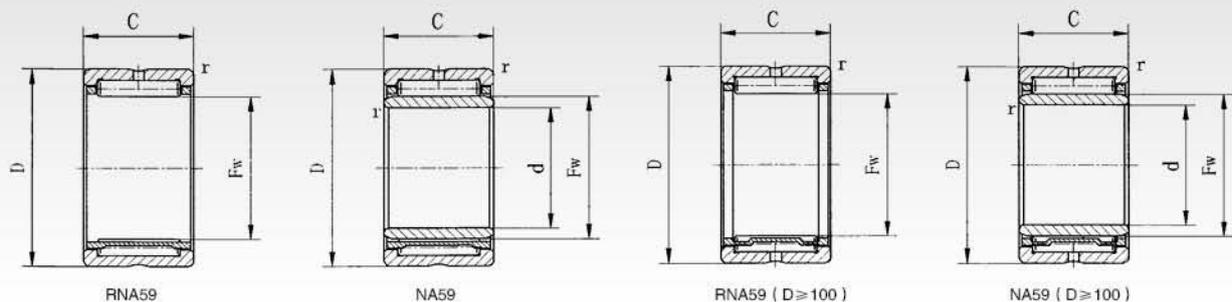
带密封圈实体套圈滚针轴承

Needle Roller Bearings on One or Both Sides With lip Seals



轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	轴承型号 Bearing Designation		外形尺寸(mm) Boundary Dimensions						额定负荷 (kN) Basic Load Rating		极限转 速 Limiting Speed (rpm)
				带内圈 With Inner	无内圈 Without Inner	d	Fw	B	D	C	r _{min}	动 C Dynamic	静 Co Static	
		RNA49/68 2RS	465		RNA49/68 RS	75		95	30	1	60.24	108.8	2000	
NA4914 2RS	770	RNA4914 2RS	495	NA4914 RS	RNA4914 RS	70	80	31	100	30	1	62.72	116.8	2000
NA4915 2RS	815	RNA4915 2RS	520	NA4915 RS	RNA4915 RS	75	85	31	105	30	1	64.96	124.8	1600
NA4916 2RS	860	RNA4916 2RS	545	NA4916 RS	RNA4916 RS	80	90	31	110	30	1	65.84	128.8	1600
		RNA49/82 2RS	570		RNA49/82 RS	95		115	30	1	67.84	136.8	1600	
NA4917 2RS	1300	RNA4917 2RS	695	NA4917 RS	RNA4917 RS	85	100	36	120	35	1.1	84	184	1520
NA4918 2RS	1360	RNA4918 2RS	730	NA4918 RS	RNA4918 RS	90	105	36	125	35	1.1	86.4	193.6	1440
NA4919 2RS	1420	RNA4919 2RS	760	NA4919 RS	RNA4919 RS	95	110	36	130	35	1.1	89.6	204	1360
NA4920 2RS	1980	RNA4920 2RS	1200	NA4920 RS	RNA4920 RS	100	115	41	140	40	1.1	109.6	242.4	1360
NA4922 2RS	2150	RNA4922 2RS	1280	NA4922 RS	RNA4922 RS	110	125	41	150	40	1.1	114.4	263.2	1200
NA4924 2RS	2990	RNA4924 2RS	1940	NA4924 RS	RNA4924 RS	120	135	46	165	45	1.1	145.6	333.6	1120
NA4926 2RS	4080	RNA4926 2RS	2360	NA4926 RS	RNA4926 RS	130	150	51	180	50	1.5	168.8	417.6	1040
NA4928 2RS	4340	RNA4928 2RS	2510	NA4928 RS	RNA4928 RS	140	160	51	190	50	1.5	174.4	448	960

标准实体套圈滚针轴承 Standard Series Needle Roller Bearings



RNA59

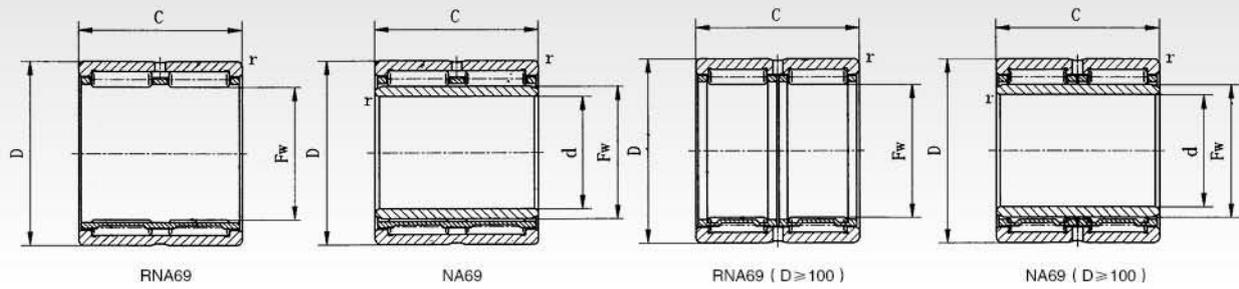
NA59

RNA59 (D ≥ 100)

NA59 (D ≥ 100)

轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions					允许 偏移 (s)	额定负荷(kN) Basic Load Rating		极限转速 Limiting Speed (rpm)
				d	Fw	D	C	r _{min}		动 C Dynamic	静 Co Static	
NA5902	52	RNA5902	33	15	20	28	18	0.3	0.5	11.28	15.3	16000
NA5903	56	RNA5903	35	17	22	30	18	0.3	0.5	12.16	17.36	14400
NA5904	115	RNA5904	84	20	25	37	23	0.3	0.8	22.72	29.6	12800
NA59/22	134	RNA59/22	92	22	28	39	23	0.3	0.8	21.12	30	11200
NA5905	139	RNA5905	101	25	30	42	23	0.3	0.8	24.4	34.4	10400
NA59/28	142	RNA59/28	108	28	32	45	23	0.3	0.8	25.6	36.4	10400
NA5906	152	RNA5906	108	30	35	47	23	0.3	0.8	26	38.8	8800
NA59/32	241	RNA59/32	149	32	40	52	27	0.6	0.8	30.4	48.8	8000
NA5907	256	RNA5907	176	35	42	55	27	0.6	0.8	31.2	51.6	7600
NA5908	348	RNA5908	225	40	48	62	30	0.6	1	42.4	74	6800
NA5909	396	RNA5909	232	45	52	68	30	0.6	1	44.8	80.8	6000
NA5910	498	RNA5910	289	50	58	72	30	0.6	1	46.4	88	5600
NA5911	559	RNA5911	367	55	63	80	34	1	1.5	61.2	112	5200
NA5912	614	RNA5912	408	60	68	85	34	1	1.5	64.4	122.4	4800
NA5913	655	RNA5913	462	65	72	90	34	1	1.5	67.2	132	4400
NA5914	1060	RNA5914	706	70	80	100	40	1	1.5	82.4	149.6	4000
NA5915	1130	RNA5915	745	75	85	105	40	1	1.5	87.2	164	3760
NA5916	1150	RNA5916	787	80	90	110	40	1	1.5	92	178.4	3520
NA5917	1760	RNA5917	1000	85	100	120	46	1.1	1.5	109.6	232	3200
NA5918	1840	RNA5918	1040	90	105	125	46	1.1	1	114.4	248	3040
NA5919	1980	RNA5919	1130	95	110	130	46	1.1	1	119.2	268	2880
NA5920	2850	RNA5920	1760	100	115	140	54	1.1	2	145.6	316	2800
NA5922	2980	RNA5922	1890	110	125	150	54	1.1	2	154.4	352	2560
NA5924	3920	RNA5924	2670	120	135	165	60	1.1	2	196	420	2400
NA5926	5600	RNA5926	3210	130	150	180	67	1.5	1.5	235.2	548	2160
NA5928	6180	RNA5928	3480	140	160	190	67	1.5	1.5	248	604	2000

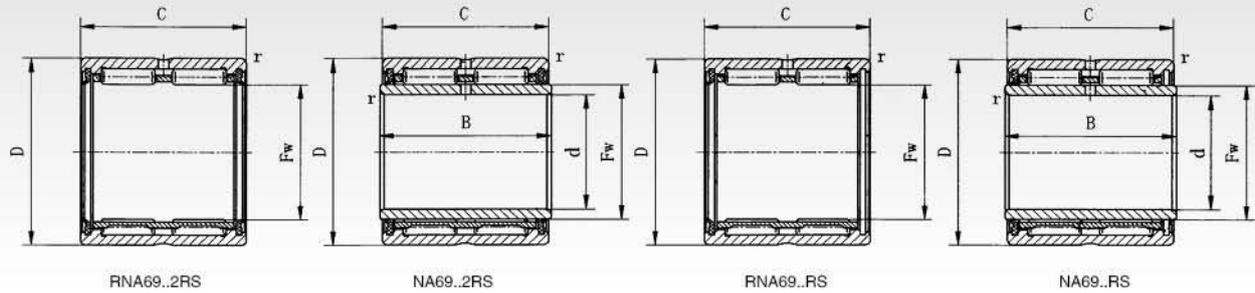
标准实体套圈滚针轴承 Standard Series Needle Roller Bearings



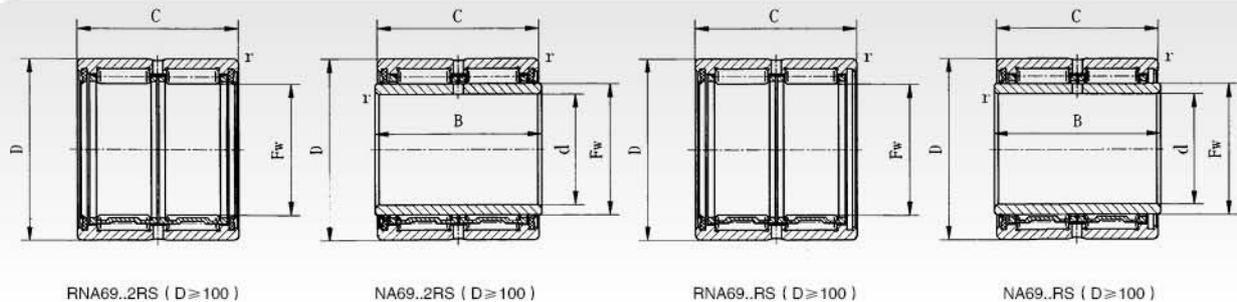
轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions					允许 偏移 (s)	额定负荷(kN) Basic Load Rating		极限转速 Limiting Speed (rpm)
				d	Fw	D	C	r _{min}		动 C Dynamic	静 Co Static	
NA6901	46	RNA6901	31	12	16	24	22	0.3	1.0	12.3	16.0	18400
NA6902	64	RNA6902	40	15	20	28	23	0.3	1.0	14.1	20.24	16000
NA6903	69	RNA6903	42	17	22	30	23	0.3	1.0	14.56	21.76	14400
NA6904	141	RNA6904	100	20	25	37	30	0.3	1.0	29.2	40.4	12800
NA69/22	154	RNA69/22	100	22	28	39	30	0.3	0.5	32	46.8	11200
NA6905	162	RNA6905	112	25	30	42	30	0.3	1	33.2	50.4	10400
NA69/28	179	RNA69/28	135	28	32	45	30	0.3	1	34.4	53.6	10400
NA6906	185	RNA6906	126	30	35	47	30	0.3	1	34	54	8800
NA69/32	286	RNA69/32	162	32	40	52	36	0.6	0.5	38	65.6	8000
NA6907	310	RNA6907	193	35	42	55	36	0.6	0.5	39.2	69.2	7600
NA6908	426	RNA6908	256	40	48	62	40	0.6	0.5	53.6	92.8	6800
NA6909	437	RNA6909	273	45	52	68	40	0.6	0.5	56.4	101.6	6000
NA6910	529	RNA6910	320	50	58	72	40	0.6	0.5	59.2	111.2	5600
NA6911	726	RNA6911	470	55	63	80	45	1	1.5	75.2	146.4	5200
NA6912	758	RNA6912	488	60	68	85	45	1	1.5	76.4	152.8	4800
NA6913	779	RNA6913	520	65	72	90	45	1	1.5	77.6	158.4	4400
NA6914	1340	RNA6914	857	70	80	100	54	1	1	104	213.6	4000
NA6915	1450	RNA6915	935	75	85	105	54	1	1	105.6	221.6	3760
NA6916	1530	RNA6916	987	80	90	110	54	1	1	109.6	238.4	3520
NA6917	2250	RNA6917	1200	85	100	120	63	1.1	1	135.2	320	3200
NA6918	2440	RNA6918	1330	90	105	125	63	1.1	1	140	340	3040
NA6919	2630	RNA6919	1460	95	110	130	63	1.1	1	141.6	352	2880

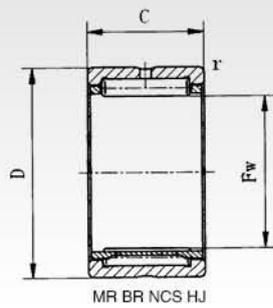
带密封圈实体套圈滚针轴承

Needle Roller Bearings on One or Both Sides With lip Seals

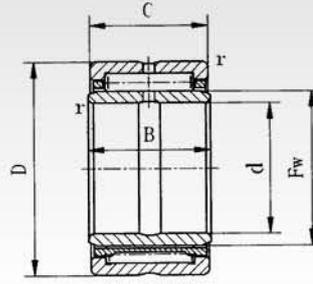


轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	轴承型号 Bearing Designation		外形尺寸(mm) Boundary Dimensions						额定负荷 (kN) Basic Load Rating		极限转速 Limiting Speed (rpm)
				带内圈 With Inner	无内圈 Without Inner	d	Fw	B	D	C	r _{min}	动 C Dynamic	静 Co Static	
NA6901 2RS	45.5	RNA6901 2RS	30	NA6901 RS	RNA6901 RS	12	16	23	24	22	0.3	12.72	16.64	9600
NA6902 2RS	62.5	RNA6902 2RS	37.5	NA6902 RS	RNA6902 RS	15	20	24	28	23	0.3	15.04	22.08	7600
NA6903 2RS	68.5	RNA6903 2RS	40.5	NA6903 RS	RNA6903 RS	17	22	24	30	23	0.3	16.16	24.96	6800
NA6904 2RS	137	RNA6904 2RS	95.5	NA6904 RS	RNA6904 RS	20	25	31	37	30	0.3	26.96	36.32	6000
NA69/22 2RS	153	RNA69/22 2RS	97.5	NA69/22 RS	RNA69/22 RS	22	28	31	39	30	0.3	27.6	42.4	5600
NA6905 2RS	162	RNA6905 2RS	111	NA6905 RS	RNA6905 RS	25	30	31	42	30	0.3	32	47.84	5200
NA69/28 2RS	177	RNA69/28 2RS	133	NA69/28 RS	RNA69/28 RS	28	32	31	45	30	0.3	31.76	48.24	4800
NA6906 2RS	185	RNA6906 2RS	125	NA6906 RS	RNA6906 RS	30	35	31	47	30	0.3	32.72	51.44	4400
NA69/32 2RS	300	RNA69/32 2RS	170	NA69/32 RS	RNA69/32 RS	32	40	37	52	36	0.6	41.04	72.08	4000
NA6907 2RS	320	RNA6907 2RS	200	NA6907 RS	RNA6907 RS	35	42	37	55	36	0.6	42.08	75.52	3600
NA6908 2RS	440	RNA6908 2RS	270	NA6908 RS	RNA6908 RS	40	48	41	62	40	0.6	52	95.2	3200
NA6909 2RS	520	RNA6909 2RS	355	NA6909 RS	RNA6909 RS	45	52	41	68	40	0.6	54.4	103.2	2800
NA6910 2RS	530	RNA6910 2RS	320	NA6910 RS	RNA6910 RS	50	58	41	72	40	0.6	57.76	116	2800
NA6911 2RS	730	RNA6911 2RS	470	NA6911 RS	RNA6911 RS	55	63	46	80	45	1	72.96	140	2400
NA6912 2RS	785	RNA6912 2RS	505	NA6912 RS	RNA6912 RS	60	68	46	85	45	1	76.24	151.2	2400
NA6913 2RS	845	RNA6913 2RS	580	NA6913 RS	RNA6913 RS	65	72	46	90	45	1	79.52	163.2	2000
NA6914 2RS	1400	RNA6914 2RS	910	NA6914 RS	RNA6914 RS	70	80	55	100	54	1	100.8	229.6	2000
NA6915 2RS	1480	RNA6915 2RS	960	NA6915 RS	RNA6915 RS	75	85	55	105	54	1	104	244	1600
NA6916 2RS	1570	RNA6916 2RS	1010	NA6916 RS	RNA6916 RS	80	90	55	110	54	1	108	258.4	1600
NA6917 2RS	2360	RNA6917 2RS	1300	NA6917 RS	RNA6917 RS	85	100	64	120	63	1.1	136.8	364.8	1520
NA6918 2RS	2480	RNA6918 2RS	1360	NA6918 RS	RNA6918 RS	90	105	64	125	63	1.1	140.8	384	1440
NA6919 2RS	2600	RNA6919 2RS	1420	NA6919 RS	RNA6919 RS	95	110	64	130	63	1.1	144	402.4	1360





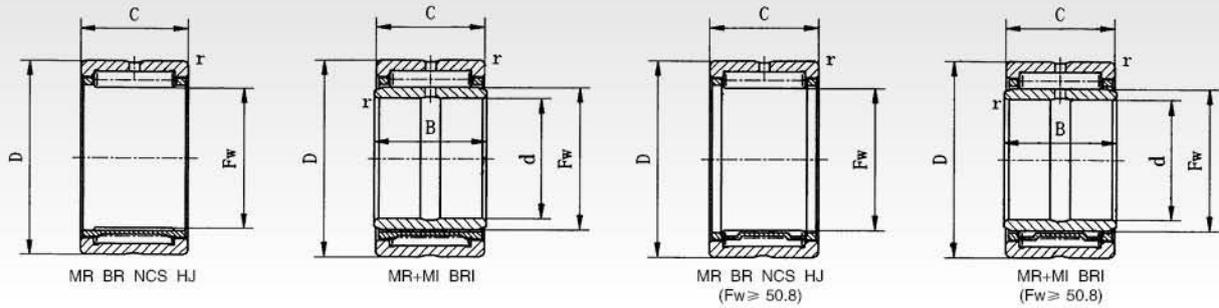
MR BR NCS HJ



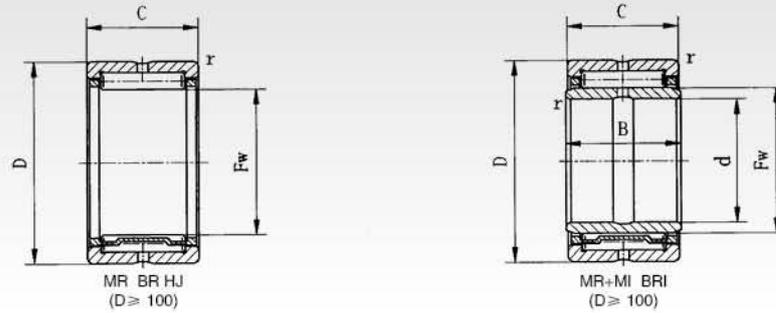
MR+MI BRI

轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions							允许 偏移 (s)	额定负荷 (kN) Basic Load Rating		极限 转速 Limiting Speed (rpm)
				d	Fw	B	D	C	r _{min}	动 C Dynamic		静 Co Static		
MR101812+MI061012	BRI 61812	69	MR101812	50	9.525	15.875	19.3	28.575	19.05	0.6	2	13.36	13.36	20000
MR101816+MI061016		93	MR101816	68	9.525	15.875	25.65	28.575	25.4	0.6	3	17.2	18.4	20000
MR122012+MI081212	BRI 82012	79	MR122012	55	12.7	19.05	19.3	31.75	19.05	1	4	15.6	16.88	16800
MR122016+MI081216	BRI 82016	105	MR122016	73	12.7	19.05	25.65	31.75	25.4	1	2	20	23.28	16800
MR142212+MI101412	BRI102212	86	MR142212	59	15.875	22.225	19.3	34.925	19.05	1	1	17.52	20.48	14400
MR142216+MI101416	BRI102216	118	MR142216	82	15.875	22.225	25.65	34.925	25.4	1	2	22.56	28.4	14400
MR142212+MI111412		79			17.462	22.225	19.3	34.925	19.05	1	1.5	17.52	20.48	14400
MR162412+MI121612	BRI122412	102	MR162412	68	19.05	25.4	19.3	38.1	19.05	1	1	18.4	22.48	12800
MR162416+MI121616	BRI122416	136	MR162416	91	19.05	25.4	25.65	38.1	25.4	1	1.5	23.6	30.8	12800
MR162416+MI131616		125			20.638	25.4	25.65	38.1	25.4	1	2	23.6	30.8	12800
MR182616+MI141816	BRI142616	152	MR182616	100	22.225	28.575	25.65	41.275	25.4	1	1.5	26	36	11200
MR182620+MI141820	BRI142620	193	MR182620	127	22.225	28.575	32	41.275	31.75	1	2	32.4	48	11200
MR182616+MI151816		139			23.812	28.575	25.65	41.275	25.4	1	2	26	36	11200
MR182620+MI151820		176			23.812	28.575	32	41.275	31.75	1	2	32.4	48	11200
			NCS2012	78		31.75		44.45	19.05	1		22.4	26.5	10400
MR202816+MI162016	BRI162816	161	MR202816	109	25.4	31.75	25.65	44.45	25.4	1	1.5	28	40.8	10400
MR202820+MI162020	BRI162820	201	MR202820	136	25.4	31.75	32	44.45	31.75	1	2	34.8	54.4	10400
MR223016+MI182216	BRI183016	181	MR223016	118	28.575	34.925	25.65	47.625	25.4	1	3	29.6	46	8800
MR223020+MI182220	BRI183020	229	MR223020	150	28.575	34.925	32	47.625	31.75	1	2	37.2	61.2	8800
MR243320+MI192420		286			30.162	38.1	32	52.388	31.75	1	2	40.8	65.2	8800
MR243316+MI202416	BRI203316	230	MR243316	143	31.75	38.1	25.65	52.388	25.4	1.5	0.5	32.8	48.8	8800
MR243320+MI202420	BRI203320	285	MR243320	180	31.75	38.1	32	52.388	31.75	1.5	1	40.8	65.2	8800
MR263516+MI212616		257			33.338	41.275	25.65	55.562	25.4	1.5	0.5	34.8	54.4	7600
MR263520+MI212620		325			33.338	41.275	32	55.562	31.75	1.5	1	43.6	72.4	7600
	BRI223516	240	MR263516	153	34.925	41.275	25.65	55.562	25.4		1.5	34.8	54.4	7600
MR263520+MI222620	BRI223520	286	MR263520	191	34.925	41.275	32	55.562	31.75	1.5	0.5	43.6	72.4	7600
MR283716+MI222816		294			34.925	44.45	25.65	58.738	25.4	1.5	0.5	35.6	57.6	7200
MR283720+MI222820		364			34.925	44.45	32	58.738	31.75	1.5	1	44.4	76.4	7200
MR283716+MI232816		264			36.512	44.45	25.65	58.738	25.4	1.5	0.5	35.6	57.6	7200
MR283720+MI232820		330			36.512	44.45	32	58.738	31.75	1.5	0.5	44.4	76.4	7200

英制实体套圈滚针轴承 Inch Series Needle Roller Bearings



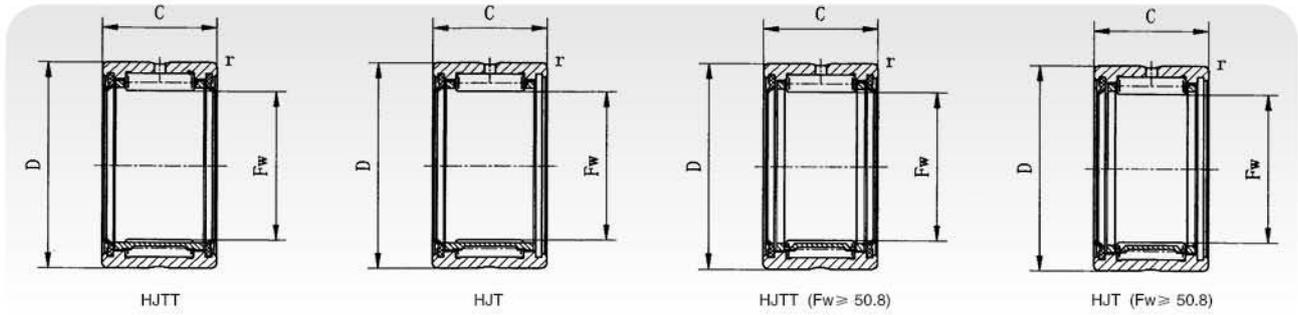
轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions							允许 偏移 (s)	额定负荷 (kN) Basic Load Rating		极限 转速 Limiting Speed (rpm)
				d	Fw	B	D	C	r _{min}	动 C Dynamic		静 Co Static		
				MR283716+MI242816	BRI243716	246	MR283716	163	38.1	44.45		25.65	58.738	
MR283720+MI242820	BRI243720	307	MR283720	204	38.1	44.45	32	58.738	31.75	1.5	0.5	44.4	76.4	7200
	BRI243820	330	BR283820	230	38.1	44.45	32	60.325	31.75	1.5	0.5	45.8	62.4	7000
			NCS3016	180	38.1	47.625		61.912	25.4	1.5		37.2	66.2	6800
	BRI243920	370	MR303920	216	38.1	47.625	32	91.912	31.75	1.5	0.5	47.2	84	6800
MR324120+MI243220		448			38.1	50.8	32	65.088	31.75	1.5	0.5	49.6	91.2	6400
MR303920+MI253020		368			39.688	47.625	32	61.912	31.75	1.5	1	47.2	84	6800
MR324120+MI253220		424			39.688	50.8	32	65.088	31.75	1.5	0.5	49.6	91.2	6400
MR324116+MI263216	BRI264116	317	MR324116	183	41.275	50.8	25.65	65.088	25.4	1.5	0.5	39.6	68.8	6400
MR324120+MI263220	BRI264120	402	MR324120	227	41.275	50.8	32	65.088	31.75	1.5	1	49.6	91.2	6400
MR324116+MI273216		300			42.682	50.8	25.65	65.088	25.4	1.5	0.5	39.6	68.8	6400
MR324120+MI273220		373			42.682	50.8	32	65.088	31.75	1.5	0.5	49.6	91.2	6400
MR364824+MI283624	BRI284824	732	MR364824	422	44.45	57.15	38.35	76.2	38.1	1.5	3.5	66.8	113.6	5600
MR364828+MI283628	BRI284828	853	MR364828	493	44.45	57.15	44.7	76.2	44.45	1.5	3.5	77.6	138.4	5600
MR405224+MI314024		848			49.212	63.5	38.35	82.55	38.1	2	1.5	70.4	126.4	5200
MR405228+MI314028		975			49.212	63.5	44.7	82.55	44.45	2	2	81.6	152.8	5200
MR405224+MI324024	BRI325224	812	MR405224	472	50.8	63.5	38.35	82.55	38.1	2	2.5	70.4	126.4	5200
MR405228+MI320428	BRI325228	923	MR405228	533	50.8	63.5	44.7	82.55	44.45	2	3	81.6	152.8	5200
MR445628+MI354428		1070			55.562	69.85	44.7	88.9	44.45	2	1.5	85.6	167.2	4400
MR445616+MI364416		594	MR445616	343	57.15	69.85	25.65	88.9	25.4	2	0.5	52.8	89.6	4400
MR445624+MI364424	BRI365624	884	MR445624	504	57.15	69.85	38.35	88.9	38.1	2	2.5	73.6	138.4	4400
MR445628+MI364428	BRI365628	1020	MR445628	580	57.15	69.85	44.7	88.9	44.45	2	3	85.6	167.2	4400
MR486028+MI384828		1250			60.325	76.2	44.7	95.25	44.45	2	1.5	89.6	181.6	4000
MR486024+MI404824	BRI406024	978	MR486024	558	63.5	76.2	38.35	95.25	38.1	2	2.5	76.8	150.4	4000
MR486028+MI404828	BRI406028	1140	MR486028	651	63.5	76.2	44.7	95.25	44.45	2	3	89.6	181.6	4000
MR526828+MI425228		1670			66.675	82.55	44.7	107.95	44.45	2	3	107.2	192	4000
MR526832+MI425232		1920			66.675	82.55	51.05	107.95	50.8	2	5.5	116.8	214.4	4000
MR526828+MI445228	BRI446828	1550	MR526828	1020	69.85	82.55	44.7	107.95	44.45	2	1.5	107.2	192	4000
MR526832+MI445232	BRI446832	1770	MR526832	1170	69.85	82.55	51.05	107.95	50.8	2	3	116.8	214.4	4000
MR567232+MI475632		2000			74.612	88.9	51.05	114.3	50.8	2	3	123.2	236	3600



轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions							允许 偏移 (s)	额定负荷 (kN) Basic Load Rating		极限 转速 Limiting Speed (rpm)
				d	Fw	B	D	C	r _{min}	动 C Dynamic		静 Co Static		
MR567228+MI485628	1650	MR567228	1080	76.2	88.9	44.7	114.3	44.45	2	3	112.8	211.2	3600	
MR567232+MI485632	BRI487232	MR567232	1270	76.2	88.9	51.05	114.3	50.8	2	5.5	123.2	236	3600	
MR607632+MI506032	2150			79.375	95.25	51.05	120.65	50.8	2.5	5.5	129.6	256	3360	
MR607632+MI526032	BRI527632	MR607632	1280	82.55	95.25	51.05	120.65	50.8	2.5	2.5	129.6	256	3360	
MR648032+MI526432	2390			82.55	101.6	51.05	127	50.8	2.5	2.5	135.2	276	3120	
MR648032+MI546432	2220			85.725	101.6	51.05	127	50.8	2.5	4.5	135.2	276	3120	
MR648032+MI566432	BRI568032	MR648032	1290	88.9	101.6	51.05	127	50.8	2.5	2.5	135.2	276	3120	
MR688432+MI566832	2530			88.9	107.95	51.05	133.35	50.8	2.5	2.5	137.6	288	2960	
MR688432+MI586832	2360			92.075	107.95	51.05	133.35	50.8	2.5	4.5	137.6	288	2960	
MR688432+MI606832	2170	MR688432	1360	95.25	107.95	51.05	133.35	50.8	2.5	2.5	137.6	288	2960	
MR729636+MI607236	4020			95.25	114.3	57.4	152.4	57.15	2.5	3	190.4	348	2800	
MR729640+MI607240	4470			95.25	114.3	63.88	152.4	63.5	2.5	4	208	388	2800	
MR729636+MI627236	3770	MR729636	2620	98.425	114.3	57.4	152.4	57.15	2.5	5.5	190.4	348	2800	
MR729640+MI627240	4190	MR729640	2910	98.425	114.3	63.88	152.4	63.5	2.5	7	208	388	2800	
MR8010432+MI648032	3600	MR8010432	2530	101.6	127	51.05	165.1	50.8	2.5	2.5	181.6	340	2480	
MR8010436+MI648036	4920	MR8010436	2870	101.6	127	57.4	165.1	57.15	2.5	5.5	200	384	2480	
MR8010440+MI648040	5470	MR8010440	3190	101.6	127	63.88	165.1	63.5	2.5	7	218.4	428	2480	
MR8010436+MI688036	4440			107.95	127	57.4	165.1	57.15	2.5	3	200	384	2480	
MR8811240+MI728840	6040	MR8811240	3460	114.3	139.7	63.88	177.8	63.5	2.5	5.5	228	468	2320	
MR8811248+MI728848	7260	MR8811248	4160	114.3	139.7	76.58	177.8	76.2	2.5	7	276	592	2320	
MR9211648+MI769248	7480	MR9211648	4300	120.65	146.05	82.55	184.15	76.2	3	3	288	620	2160	
MR9612040+MI809640	6540	MR9612040	3740	127	152.4	63.88	190.5	63.5	3	7	248	504	2080	
MR9612048+MI809648	7840	MR9612048	4490	127	152.4	76.58	190.5	76.2	3	5.5	300	640	2080	
MR10412840+MI8810440	6860	MR10412840	4020	139.7	165.1	63.88	203.2	63.5	3	6	260	544	1920	
MR10412848+MI8810448	8220	MR10412848	4820	139.7	165.1	76.58	203.2	76.2	3	5.5	312	696	1920	
MR11614648+MI9611648	1220	MR11614648	7360	152.4	184.15	76.58	231.775	76.2	3	8.5	348	732	1760	
MR12415448+MI10412448	1310	MR12415448	7800	165.1	196.85	76.58	244.475	76.2	3	8.5	364	792	1600	
MR13216248+MI11213248	1400	MR13216248	8360	177.8	209.55	76.58	257.157	76.2	3	8.5	380	848	1520	
MR14017048+MI12014048	1500	MR14017048	8810	190.5	222.25	76.58	269.875	76.2	4	7	396	912	1440	
MR14817848+MI12814848	1580	MR14817848	9270	203.2	234.95	76.58	282.575	76.2	4	7	408	968	1360	

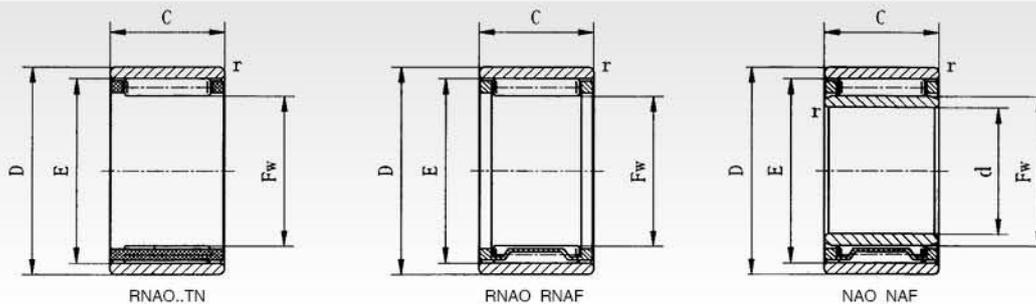
带密封圈英制实体套圈滚针轴承

Inch Series Needle Roller Bearings One or Both Sides With Lip Seals



轴承型号 Bearing Designation 无内圈 Without Inner		重量 Mass (g)	外形尺寸(mm) Boundary Dimensions				额定负荷(kN) Basic Load Rating		极限 转速 Limiting Speed (rpm)
			Fw	D	C	r _{min}	动 C Dynamic	静 Co Static	
HJTT101816	HJT101816	68	15.875	28.575	25.4	0.6	14.328	14.94	4880
HJTT122016	HJT122016	73	19.05	31.75	25.4	1	15.3	16.848	4080
HJTT142216	HJT142216	82	22.225	34.925	25.4	1	17.1	20.16	3520
HJTT162416	HJT162416	91	25.4	38.1	25.4	1	18.72	23.472	3040
HJTT182620	HJT182620	125	28.575	41.275	31.75	1	27.72	40.32	2720
HJTT202820	HJT202820	130	31.75	44.45	31.75	1	28.512	42.84	2480
HJTT223020	HJT223020	145	34.925	47.625	31.75	1	30.348	47.88	2240
HJTT243320	HJT243320	172	38.1	52.388	31.75	1.5	35.748	53.28	2000
HJTT263520	HJT263520	185	41.275	55.563	31.75	1.5	36.72	56.52	1920
HJTT283720	HJT283720	200	44.45	58.738	31.75	1.5	37.8	59.76	1760
HJTT324120	HJT324120	220	50.8	65.088	31.75	1.5	40.68	68.76	1520
HJTT364828	HJT364828	480	57.15	76.2	44.45	1.5	71.64	130.32	1360
HJTT405228	HJT405228	520	63.5	82.55	44.45	2	77.4	148.68	1200
HJTT445628	HJT445628	570	69.85	88.9	44.45	2	80.28	161.28	1120
HJTT486028	HJT486028	640	76.2	95.25	44.45	2	85.68	179.64	1040

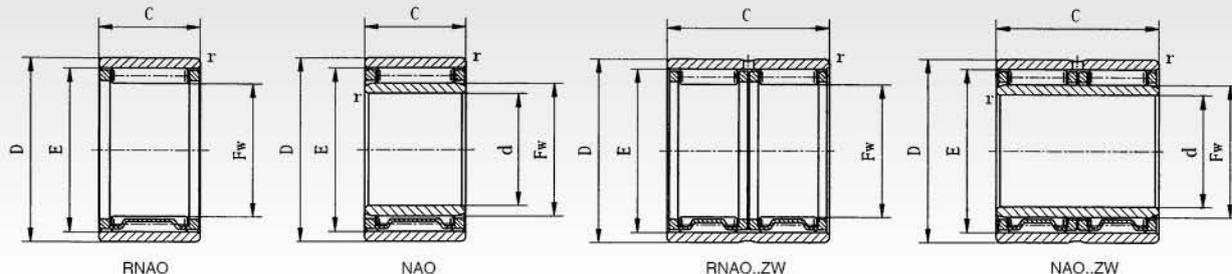
可分离实体套圈滚针轴承 Needle Roller Bearings without Ribs



轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions						允许 偏移 (s)	额定负荷 (kN) Basic Load Rating		极限 转速 Limiting Speed (rpm)
				d	Fw	E	D	C	r _{min}		动 C Dynamic	静 Co Static	
		RNAO 5X10X8TN	3		5	8	10	8	0.15		2.11	1.75	32000
		RNAO 6X13X8TN	6		6	9	13	8	0.3		2.13	1.82	29600
		RNAO 7X14X8	6		7	10	14	8	0.3		2.14	1.88	27200
		RNAO 8X15X10	8		8	11	15	10	0.3		3.2	3.28	25600
		RNAO 8X16X20ZW	17		8	12	16	20	0.3		6.36	6.68	25600
NAO 6X17X10	14	RNAO 10X17X10	10	6	10	13	17	10	0.3	0.5	3.64	4.08	22400
NAO 7X20X12	22	RNAO 10X20X12	18	7	10	16	20	12	0.3		5.68	4.76	22400
		RNAO 12X19X13.5	15		12	15	19	13.5	0.3		4.8	6.16	20800
NAO 9X22X12	24	RNAO 12X22X12	19	9	12	18	22	12	0.3	0.5	6.92	6.4	20800
NAO 10X22X13	26	RNAO 14X22X13	18	10	14	18	22	13	0.3		6.64	8.08	19200
NAO 10X22X20ZW	39	RNAO 14X22X20ZW	27	10	14	18	22	20	0.3		9.44	12.8	19200
NAO 10X26X12	36	RNAO 14X26X12	29	10	14	20	26	12	0.3		7.48	7.32	19200
		RNAO 15X23X13	20		15	19	23	13	0.3		6.6	8.16	18400
		RNAO 15X23X20ZW	31		15	19	23	20	0.3		9.36	12.88	18400
NAO 12X24X13	30	RNAO 16X24X13	21	12	16	20	24	13	0.3		7.24	9.44	18400
NAO 12X24X20ZW	44	RNAO 16X24X20ZW	32	12	16	20	24	20	0.3		10.32	14.8	18400
NAO 12X28X12	40	RNAO 16X28X12	32	12	16	22	28	12	0.3	0.5	9.36	10	18400
		RNAO 17X25X13	22		17	21	25	13	0.3		7.52	10.08	17600
		RNAO 17X25X20ZW	34		17	21	25	20	0.3		10.24	14.88	17600
		RNAO 17X25X26ZW	44		17	21	25	26	0.3		12.88	20.16	17600
		RNAO 18X26X13	22		18	22	26	13	0.3		7.12	9.52	16800
		RNAO 18X26X20ZW	33		18	22	26	20	0.3		10.16	15.04	16800
		RNAO 18X30X12	35		18	24	30	12	0.3		9.84	11.04	16800
		RNAO 18X30X24ZW	69		18	24	30	24	0.3		16.88	22.16	16800
NAO 15X28X13	29	RNAO 20X28X13	25	15	20	24	28	13	0.3	0.5	8	11.44	16000
NAO 15X28X26ZW	75	RNAO 20X28X26ZW	50	15	20	24	28	26	0.3		13.68	22.88	16000
NAO 15X32X12	50	RNAO 20X32X12	38	15	20	26	32	12	0.3	0.5	10.32	12.08	16000
		RNAO 20X32X24ZW	80		20	26	32	24	0.3		17.68	24	16000
NAO 17X30X13	42	RNAO 22X30X13	27	17	22	26	30	13	0.3		8.16	12.16	14400
NAO 17X30X26ZW	81	RNAO 22X30X26ZW	54	17	22	26	30	26	0.3		14	24.4	14400

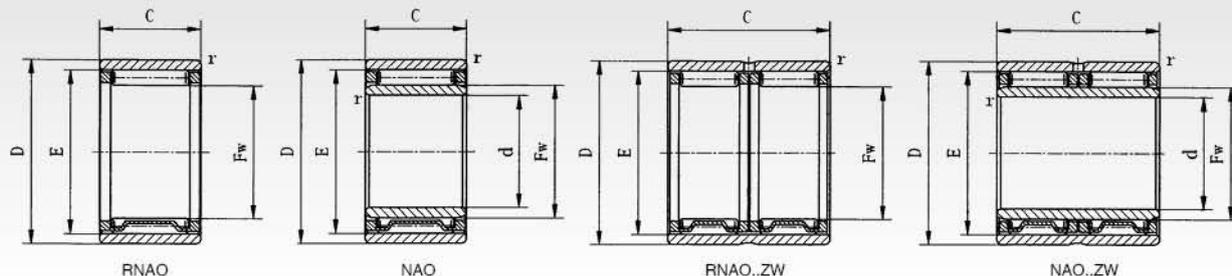
可分离实体套圈滚针轴承

Needle Roller Bearings without Ribs



轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions						允许 偏移 (s)	额定负荷 (kN) Basic Load Rating		极限 转速 Limiting Speed (rpm)
				d	Fw	E	D	C	r _{min}		动 C Dynamic	静 Co Static	
				NAO 17X35X16	78	RNAO 22X35X16	59	17	22		29	35	
NAO 17X35X32ZW	148	RNAO 22X35X32ZW	118	17	22	29	35	32	0.3		25.6	36.4	14400
NAO 20X35X17	76	RNAO 25X35X17	53	20	25	29	35	17	0.3	0.5	11.36	19.2	12800
NAO 20X35X26ZW	112	RNAO 25X35X26ZW	76	20	25	29	35	26	0.3		14.72	26.8	12800
NAO 20X37X16	82	RNAO 25X37X16	60	20	25	32	37	16	0.3	0.5	15.6	19.76	12800
NAO 20X37X32ZW	155	RNAO 25X37X32ZW	119	20	25	32	37	32	0.3		26.8	39.6	12800
		RNAO 26X39X13	60		26	30	39	13	0.3		9.44	15.36	12000
		RNAO 28X40X16	61		28	35	40	16	0.3		16.96	22.72	11200
		RNAO 28X40X32ZW	122		28	35	40	32	0.3		29.2	45.6	11200
NAO 25X40X17	88	RNAO 30X40X17	60	25	30	35	40	17	0.3	0.8	15.52	26	10400
NAO 25X40X26ZW	130	RNAO 30X40X26ZW	94	25	30	35	40	26	0.3		20.16	36.8	10400
NAO 25X42X16	86	RNAO 30X42X16	69	25	30	37	42	16	0.3	0.8	17.52	24.4	10400
NAO 25X42X32ZW	190	RNAO 30X42X32ZW	137	25	30	37	42	32	0.3	0.8	30	48.4	10400
NAO 29X42X13	62	RNAO 32X42X13	49	29	32	37	42	13	0.3		11.6	18.4	10400
NAO 30X45X13	77	RNAO 35X45X13	53	30	35	40	45	13	0.3		12.16	20.08	8800
NAO 30X45X17	102	RNAO 35X45X17	69	30	35	40	45	17	0.3	0.8	16	28.8	8800
NAO 30X45X26ZW	157	RNAO 35X45X26ZW	91	30	35	40	45	26	0.3	0.8	20.88	40	8800
NAO 30X47X16	109	RNAO 35X47X16	78	30	35	42	47	16	0.3	0.8	19.28	28.8	8800
NAO 30X47X18	119	RNAO 35X47X18	89	30	35	42	47	18	0.3	0.8	19.76	29.6	8800
NAO 30X47X32ZW	205	RNAO 35X47X32ZW	156	30	35	42	47	32	0.3		33.2	57.2	8800
NAO 33X47X13	85	RNAO 37X47X13	56	33	37	42	47	13	0.3		12.72	21.68	8800
NAO 30X52X18	177	RNAO 37X52X18	125	30	37	44	52	18	0.3		21.04	32.8	8800
NAO 35X50X17	113	RNAO 40X50X17	74	35	40	45	50	17	0.3	0.8	17.44	33.2	8000
NAO 35X50X34ZW	225	RNAO 40X50X34ZW	152	35	40	45	50	34	0.3		30	66.4	8000
NAO 35X55X20	190	RNAO 40X55X20	145	35	40	47	55	20	0.3	0.8	24.8	41.2	8000
NAO 35X55X40ZW	360	RNAO 40X55X40ZW	275	35	40	48	55	40	0.3		45.2	81.6	8000
NAO 40X55X17	127	RNAO 45X55X17	83	40	45	50	55	17	0.3	0.8	17.84	35.6	7200
NAO 40X55X34ZW	250	RNAO 45X55X34ZW	165	40	45	50	55	34	0.3		30.8	71.6	7200
NAO 40X62X20	230	RNAO 45X62X20	175	40	45	53	62	20	0.3		28.8	47.2	7200
NAO 40X62X40ZW	385	RNAO 45X62X40ZW	377	40	45	53	62	40	0.3		49.2	94.4	7200

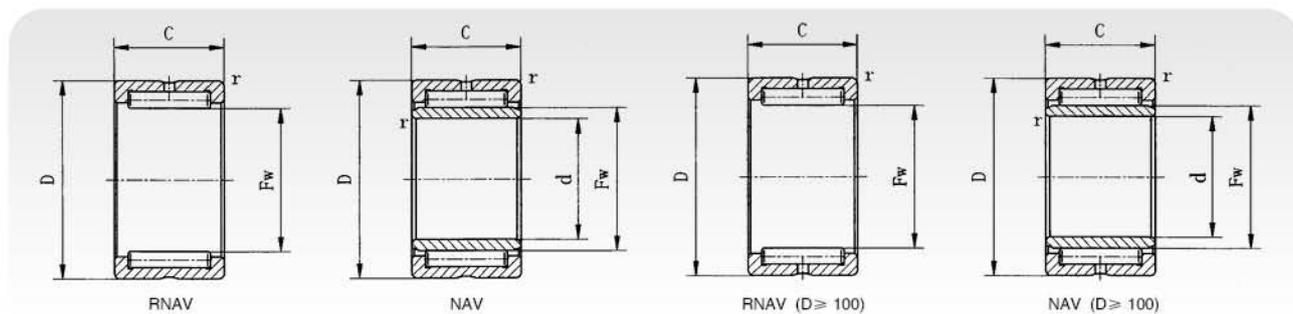
可分离实体套圈滚针轴承 Needle Roller Bearings without Ribs



轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions						允许 偏移 (s)	额定负荷 (kN) Basic Load Rating		极限 转速 Limiting Speed (rpm)
				d	Fw	E	D	C	r _{min}		动 C Dynamic	静 Co Static	
				NAO 45X62X20	192	RNAO 50X62X20	140	45	50		55	62	
NAO 45X62X40ZW	385	RNAO 50X62X40ZW	295	45	50	55	62	40	0.3		38.4	99.2	6400
NAO 40X65X20	279	RNAO 50X65X20	168	40	50	58	65	20	0.3		30.8	54	6400
		RNAO 50X65X40ZW	355		50	58	65	40	0.6		53.2	108	6400
NAO 50X68X20	230	RNAO 55X68X20	166	50	55	60	68	20	0.6	1	23.04	53.2	6000
		RNAO 55X68X25	200		55	63	68	25	0.6		40.4	78	6000
NAO 50X68X40ZW	440	RNAO 55X68X40ZW	310	50	55	60	68	40	0.6		39.6	106.4	6000
NAO 45X72X20	335	RNAO 55X72X20	216	45	55	63	72	20	0.6		31.2	56	6000
NAO 45X72X40ZW	660	RNAO 55X72X40ZW	425	45	55	63	72	40	0.6		53.2	112	6000
		RNAO 60X75X46ZW	461		60	68	75	46	1		60.8	136	5200
NAO 50X78X20	410	RNAO 60X78X20	255	50	60	68	78	20	1		32	60	5200
NAO 50X78X40ZW	755	RNAO 60X78X40ZW	500	50	60	68	78	40	1		55.2	120	5200
NAO 55X85X30	680	RNAO 65X85X30	464	55	65	73	85	30	1		48.8	105.6	4800
NAO 55X85X60ZW	1350	RNAO 65X85X60ZW	951	55	65	73	85	60	1		83.2	210.4	4800
NAO 60X90X30	720	RNAO 70X90X30	499	60	70	78	90	30	1		52.4	119.2	4400
NAO 60X90X60ZW	1450	RNAO 70X90X60ZW	1000	60	70	78	90	60	1		89.6	237.6	4400
NAO 65X95X30	770	RNAO 75X95X30	520	65	75	83	95	30	1		54	125.6	4400
NAO 65X95X60ZW	1540	RNAO 75X95X60ZW	1040	65	75	83	95	60	1		92	252	4400
NAO 70X95X30	675	RNAO 80X95X30	405	70	80	86	95	30	1		45.6	127.2	4000
NAO 70X95X56ZW	1260	RNAO 80X95X56ZW	755	70	80	88	95	56	1		84	227.2	4000
NAO 70X100X30	850	RNAO 80X100X30	580	70	80	88	100	30	1	1	55.2	132.8	4000
NAO 70X100X60ZW	1700	RNAO 80X100X60ZW	1100	70	80	88	100	60	1		95.2	268	4000
NAO 75X105X25	700	RNAO 85X105X25	459	75	85	93	105	25	1		49.2	116.8	3760
NAO 75X105X30	880	RNAO 85X105X30	585	75	85	93	105	30	1		56.8	140	3760
		RNAO 90X105X26	373		90	98	105	26	1		51.2	125.6	3520
NAO 80X110X30	920	RNAO 90X110X30	610	80	90	98	110	30	1	1	58	147.2	3520
NAO 85X115X30	960	RNAO 95X115X30	640	85	95	103	115	30	1		59.2	154.4	3360
NAO 90X120X30	1040	RNAO 100X120X30	694	90	100	108	120	30	1	1	60.8	160.8	3200

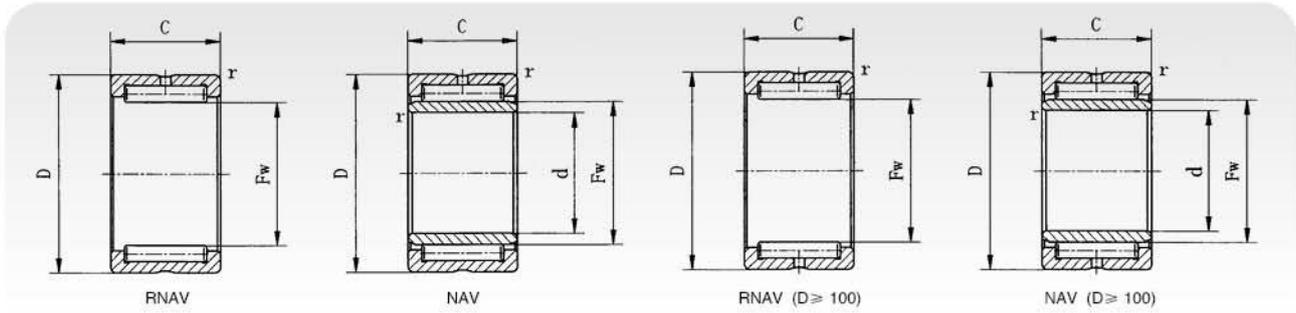
满针实体套圈滚针轴承

Full Complement Needle Roller Bearings



轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions				
				d	Fw	D	C	r _{min}
NAV4002	76	RNAV4002	45	15	21.87	32	17	0.3
NAV4003	98	RNAV4003	62	17	24.3	35	18	0.3
NAV4004	175	RNAV4004	114	20	28.7	42	22	0.6
NAV4005	201	RNAV4005	129	25	33.5	47	22	0.6
NAV4006	311	RNAV4006	193	30	40.1	55	25	1
NAV4007	418	RNAV4007	259	35	45.9	62	27	1
NAV4008	498	RNAV4008	304	40	51.6	68	28	1
NAV4009	637	RNAV4009	390	45	57.4	75	30	1
NAV4010	702	RNAV4010	426	50	62.1	80	30	1
NAV4011	1030	RNAV4011	645	55	69.8	90	35	1.1
NAV4012	1125	RNAV4012	677	60	74.6	95	35	1.1
NAV4013	1200	RNAV4013	692	65	80.3	100	35	1.1
NAV4014	1700	RNAV4014	950	70	88	110	40	1.1
NAV4015	1810	RNAV4015	1000	75	92.7	115	40	1.1
NAV4016	2470	RNAV4016	1400	80	100.3	125	45	1.1
NAV4017	2580	RNAV4017	1540	85	104.8	130	45	1.1

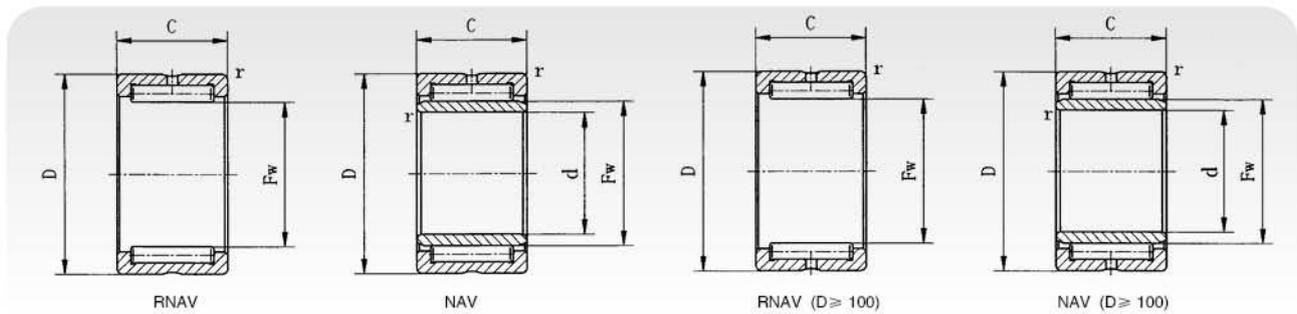
满针实体套圈滚针轴承 Full Complement Needle Roller Bearings



轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions				
				d	Fw	D	C	r _{min}
NAV4902	41	RNAV4902	28	15	20	28	13	0.3
NAV4903	45	RNAV4903	30	17	22	30	13	0.3
NAV4904	94	RNAV4904	71	20	25	37	17	0.3
NAV4905	111	RNAV4905	83	25	30	42	17	0.3
NAV4906	127	RNAV4906	94	30	35	47	17	0.3
NAV4907	207	RNAV4907	142	35	42	55	20	0.6
NAV4908	285	RNAV4908	192	40	48	62	22	0.6
NAV4909	329	RNAV4909	239	45	52	68	22	0.6
NAV4910	341	RNAV4910	227	50	58	72	22	0.6
NAV4911	486	RNAV4911	344	55	63	80	25	1
NAV4912	522	RNAV4912	368	60	68	85	25	1
NAV4913	558	RNAV4913	413	65	72	90	25	1
NAV4914	884	RNAV4914	612	70	80	100	30	1
NAV4915	936	RNAV4915	646	75	85	105	30	1
NAV4916	843	RNAV4916	680	80	90	110	30	1
NAV4917	1460	RNAV4917	873	85	100	120	35	1.1
NAV4918	1531	RNAV4918	912	90	105	125	35	1.1
NAV4919	1603	RNAV4919	952	95	110	130	35	1.1
NAV4920	2225	RNAV4920	1445	100	115	140	40	1.1
NAV4922	2412	RNAV4922	1559	110	125	150	40	1.1
NAV4924	3337	RNAV4924	2296	120	135	165	45	1.1
NAV4926	4500	RNAV4926	2806	130	150	180	50	1.5
NAV4928	4791	RNAV4928	2976	140	160	190	50	1.5

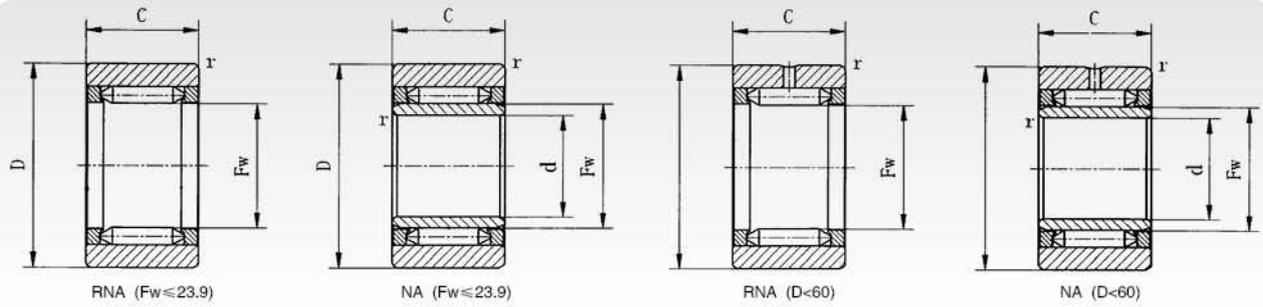
满针实体套圈滚针轴承

Full Complement Needle Roller Bearings

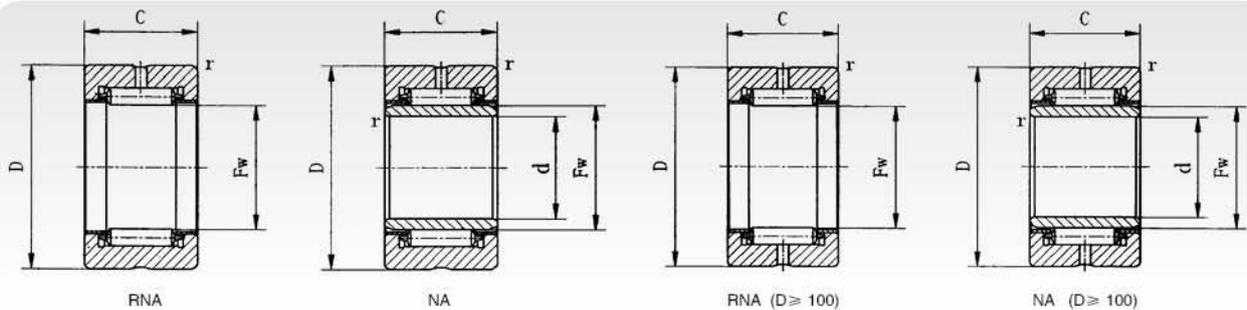


轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions				
				d	Fw	D	C	r _{min}
NAV4822	1303	RNAV4822	886	110	120	140	30	1
NAV4824	1415	RNAV4824	953	120	130	150	30	1
NAV4826	2105	RNAV4826	1232	130	145	165	35	1.1
NAV4828	2247	RNAV4828	1311	140	155	175	35	1.1
NAV4830	3158	RNAV4830	2015	150	165	190	40	1.1
NAV4832	3344	RNAV4832	2128	160	175	200	40	1.1
NAV4834	4514	RNAV4834	3065	170	185	215	45	1.1
NAV4836	4749	RNAV4836	3218	180	195	225	45	1.1
NAV4838	6251	RNAV4838	3831	190	210	240	50	1.5
NAV4840	6521	RNAV4840	4000	200	220	250	50	1.5
NAV4844	7125	RNAV4844	4342	220	240	270	50	1.5
NAV4848	11317	RNAV4848	6735	240	265	300	60	2
NAV4852	12156	RNAV4852	7211	260	285	320	60	2
NAV4856	17649	RNAV4856	11544	280	305	350	69	2
NAV4860	25262	RNAV4860	16120	300	330	380	80	2.1

满针实体套圈滚针轴承 Full Complement Needle Roller Bearings

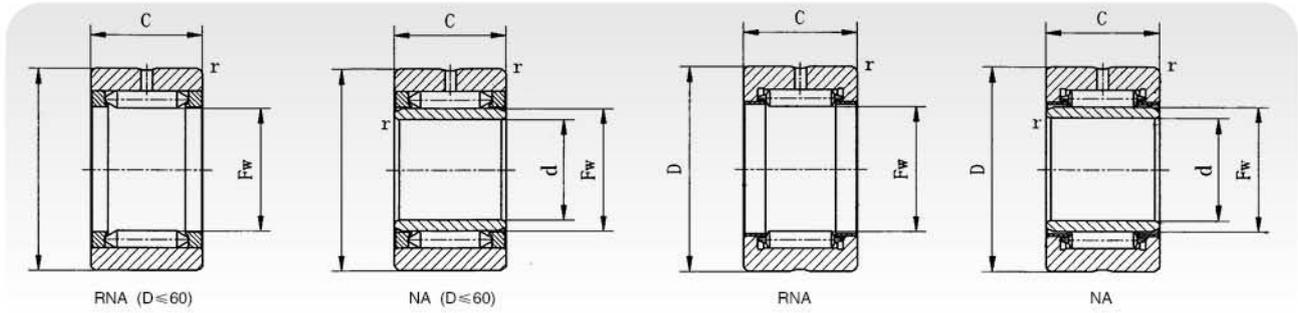


轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions					额定负荷(kN) Basic Load Rating		极限转 速 Limiting Speed (rpm)
				d	Fw	D	C	r _{min}	动 C Dynamic	静 Co Static	
		RNA1005	10		7.3	16	12	0.35	3.16	3.56	41600
		RNA1007	13		9.7	19	12	0.35	3.84	4.72	31200
		RNA1009	18		12.1	22	12	0.35	4.48	5.92	24800
		RNA1010	20		14.4	24	12	0.35	5.08	7.12	20800
NA1012	50	RNA1012	34	12	17.6	28	15	0.35	8.8	13.2	17300
NA1015	62	RNA1015	44	15	20.8	32	15	0.65	9.92	15.6	14650
NA1017	73	RNA1017	47	17	23.9	35	15	0.65	10.96	18	12750
NA1020	130	RNA1020	84	20	28.7	42	18	0.65	15.44	26.8	10600
NA1025	151	RNA1025	97	25	33.5	47	18	0.65	17.2	31.2	8900
NA1030	167	RNA1030	107	30	38.2	52	18	0.65	18.8	35.6	8000
NA1035	204	RNA1035	127	35	44	58	18	0.65	20.8	40.8	6900
NA1040	254	RNA1040	160	40	49.7	65	18	0.85	22.8	46.4	6100
NA1045	306	RNA1045	193	45	55.4	72	18	0.85	24.4	52	5550
NA1050	418	RNA1050	255	50	62.1	80	20	0.85	26.4	58.4	4900
NA1055	453	RNA1055	248	55	68.8	85	20	0.85	28.4	64	4400
NA1060	485	RNA1060	283	60	72.6	90	20	0.85	29.6	68	4200
NA1065	536	RNA1065	306	65	78.3	95	20	0.85	33.2	77.6	3950
NA1070	567	RNA1070	325	70	83.1	100	20	0.85	34.4	82.4	3600
NA1075	882	RNA1075	575	75	88	110	24	0.85	51.2	124	3450
NA1080	920	RNA1080	511	80	96	115	24	0.85	54		3200



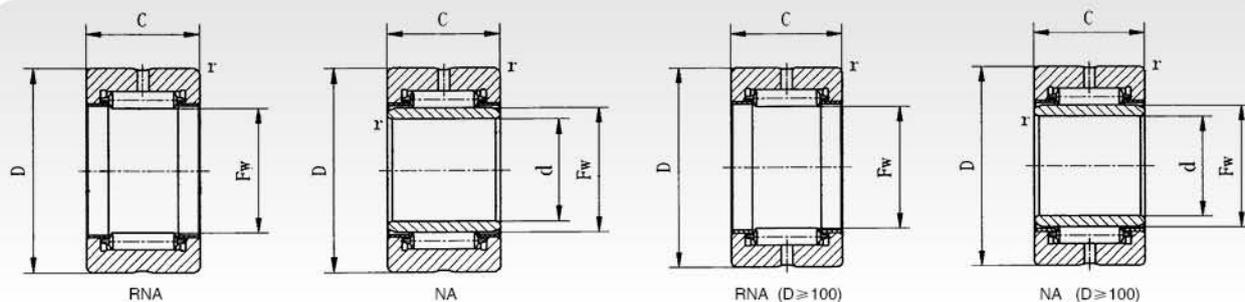
满针实体套圈滚针轴承

Full Complement Needle Roller Bearings



轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions					额定负荷(kN) Basic Load Rating		极限转 速 Limiting Speed (rpm)
				d	Fw	D	C	r _{min}	动 C Dynamic	静 Co Static	
NA2015	117	RNA2015	82	15	22.1	35	22	0.65	18.8	30	13800
NA2020	160	RNA2020	104	20	28.7	42	22	0.65	22.8	39.2	10600
NA2025	187	RNA2025	122	25	33.5	47	22	0.65	26.4	48	8900
NA22025	259	RNA22025	170	25	33.5	47	30	0.65	41.6	75.2	8900
NA2030	213	RNA2030	139	30	38.2	52	22	0.65	27.6	52.8	8000
NA22030	293	RNA22030	193	30	38.2	52	30	0.65	45.6	86.4	8000
NA2035	253	RNA2035	160	35	44	58	22	0.65	30.4	60	6900
NA22035	352	RNA22035	225	35	44	58	30	0.65	50.4	99.2	6900
NA2040	315	RNA2040	200	40	49.7	65	22	0.85	33.2	68	6100
NA22040	434	RNA22040	278	40	49.7	65	30	0.85	54.4	112	6100
NA2045	381	RNA2045	242	45	55.4	72	22	0.85	36	76	5500
NA2050	603	RNA2050	375	50	62.1	80	28	0.85	51.2	113.6	4900
NA2055	649	RNA2055	361	55	68.8	85	28	0.85	55.2	125.6	4400
NA2060	695	RNA2060	413	60	72.6	90	28	0.85	57.6	132	4200
NA2065	757	RNA2065	434	65	78.3	95	28	0.85	62.4	147.2	3950
NA2070	805	RNA2070	465	70	83.1	100	28	0.85	64.8	156	3600
NA2075	1177	RNA2075	767	75	88	110	32	0.85	83.2	202.4	3450
NA2080	1239	RNA2080	694	80	96	115	32	0.85	88		3200
NA2085	1302	RNA2085	784	85	99.5	120	32	1.35	89.6		3050
NA2090	1368	RNA2090	814	90	104.7	125	32	1.35	93.6		2900
NA2095	1430	RNA2095	873	95	109.1	130	32	1.35	96		2800
NA2100	1497	RNA2100	886	100	114.7	135	32	1.35	99.2		2650
NA2105	1556	RNA2105	940	105	119.2	140	32	1.35	102.4		2560
NA2110	1720	RNA2110	1011	110	124.7	145	34	1.35	105.6		2400
NA2115	2100	RNA2115	1210	115	132.5	155	34	1.35	109.6		2350
NA2120	2167	RNA2120	1269	120	137	160	34	1.35	112.8		2250
NA2125	2240	RNA2125	1219	125	143.5	165	34	1.35	116		2200
NA2130	2325	RNA2130	1396	130	148	170	34	1.35	118.4		2000
NA2140	2643	RNA2140	1475	140	158	180	36	1.35	124		1950
NA2150	3230	RNA2150	1800	150	170.5	195	36	1.35	131.2		1760
NA2160	3400	RNA2160	1975	160	179.3	205	36	1.35	136		1700
NA2170	4770	RNA2170	2571	170	193.8	220	42	1.85	184.8		1600
NA2180	5010	RNA2180	2814	180	202.6	230	42	1.85	191.2		1550

满针实体套圈滚针轴承 Full Complement Needle Roller Bearings



轴承型号 Bearing Designation 带内圈 With Inner	重量 Mass (g)	轴承型号 Bearing Designation 无内圈 Without Inner	重量 Mass (g)	外形尺寸(mm) Boundary Dimensions					额定负荷(kN) Basic Load Rating		极限转速 Limiting Speed (rpm)
				d	Fw	D	C	r _{min}	动 C Dynamic	静 Co Static	
NA3030	497	RNA3030	309	30	44	62	30	0.65	51.2	100	6900
NA3035	815	RNA3035	545	35	49.7	72	36	0.65	72	146.4	6100
NA3040	993	RNA3040	672	40	55.4	80	36	0.85	77.6	163.2	5500
NA3045	1132	RNA3045	710	45	62.1	85	38	0.85	84	184	4900
NA3050	1220	RNA3050	705	50	68.8	90	38	0.85	90.4	204	4400
NA3055	1307	RNA3055	782	55	72.6	95	38	0.85	93.6	214.4	4200
NA3060	1393	RNA3060	811	60	78.3	100	38	0.85	98.4	232	3950
NA3065	1488	RNA3065	872	65	83.1	105	38	0.85	103.2	246.4	3600
NA3070	1568	RNA3070	915	70	88	110	38	0.85	107.2	260	3450
NA3075	1923	RNA3075	1098	75	96	120	38	0.85	113.6	284	3200
NA3080	2025	RNA3080	1221	80	99.5	125	38	0.85	116		3050
NA3085	2117	RNA3085	1258	85	104.7	130	38	1.35	120		2900
NA3090	2512	RNA3090	1523	90	109.1	135	43	1.35	147.2		2800
NA3095	2626	RNA3095	1552	95	114.7	140	43	1.35	152		2650
NA3100	2735	RNA3100	1641	100	119.2	145	43	1.35	156		2560
NA3105	2987	RNA3105	1756	105	124.7	150	45	1.35	161.6		2400
NA3110	3532	RNA3110	2047	110	132.5	160	45	1.35	168		2350
NA3115	3660	RNA3115	2151	115	137	165	45	1.35	172		2250
NA3120	3792	RNA3120	2107	120	143.5	170	45	1.35	177.6		2200
NA3125	5620	RNA3125	3192	125	152.8	185	52	1.35	180.8		2000
NA3130	5815	RNA3130	3279	130	158	190	52	1.35	218.4		1950
NA3140	6840	RNA3140	3962	140	170.5	205	52	1.35	229.6		1760
NA3150	7230	RNA3150	4196	150	179.3	215	52	1.35	238.4		1700
NA3160	9070	RNA3160	4948	160	193.8	230	57	1.35	286.4		1600
NA3170	10420	RNA3170	6234	170	202.6	245	57	1.85	295.2		1550
NA3180	10940	RNA3180	6027	180	216	255	57	1.85	308.8		1450

调心滚针轴承 Self-Aligning Needle Bearing

带内圈或不带内圈 With Inner Ring or Without Inner Ring

带内圈或不带内圈的调心滚针轴承

■ 是由一个冲压外套、一个外表面为球面的外圈、一个滚针和保持架组件与一个可分离的内圈组成的完整单元

- 可以补偿最大达 3° 的轴倾斜偏差
- 容易安装
 - 轴承可压入轴承座孔
 - 不需要任何进一步的轴向定位。

不带内圈的调心滚针轴承

- 设定用淬硬并磨削的轴作为滚道。

带内圈的调心滚针轴承

- 用于轴不能用作滚动轴承滚道的应用场合。

不带内圈的调心滚针轴承

RPNA



适用于运转温度 $-30^\circ\text{C} \sim +100^\circ\text{C}$ 受塑料支承环的限制
适用于轴径15-45mm

带内圈的调心滚针轴承

PNA



适用于运转温度 $-30^\circ\text{C} \sim +100^\circ\text{C}$ 受塑料支承环的限制
适用于轴径12-40mm

设计和安全指南

- 对不带内圈的轴承，轴应设计成可用作滚道。
- 带内圈的轴承不得超过位移量“s”（见图1）。如果要求更大的“s”值，则应使用更宽的内圈。内圈应单独订货。
- 轴承必须采用压配合装入轴承座孔。
- 若要充分发挥轴承的功能，必须遵守表1中所给的轴承座孔公差。
- 在校正角偏差时会产生起动力矩。
- 若轴承采用脂润滑，应在安装之前装填脂。
- 轴承应用专用装配心轴安装（见图2）。

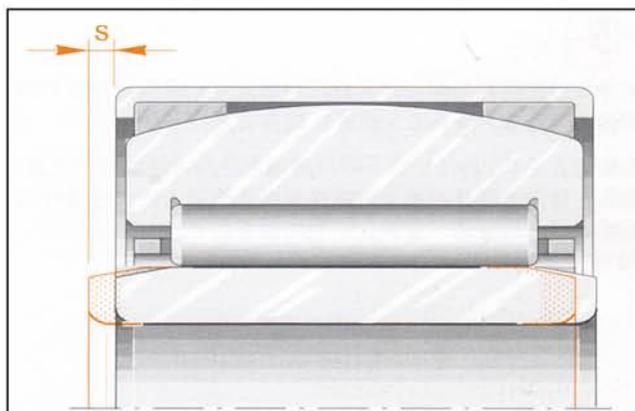


图1 内圈容许轴向位移“s”

表1 不带内圈轴承的轴和轴承座设计

轴承座材料	轴承座公差	不带内圈轴承的轴公差
钢或铸铁	N6	h6
轻金属	R6	
粗糙度max	Ra0,8 (Rz4)	Ra0,2 (Rz1)
圆度maX	IT 5/2	h6 的 25%
平行度maX	IT 5/2	h6 的 50%

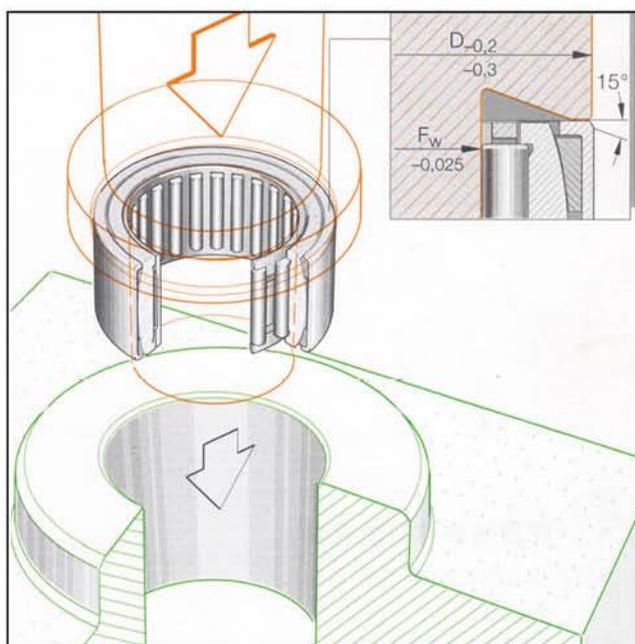


图2 用装配心轴安装

除外套的宽度和外径之外其余几何和尺寸公差按照DIN 620规定的公差级PN确定。该宽度具有公差 $\pm 0.5\text{mm}$ 。

内接圆直径 F_w 的尺寸是不带内圈轴承径向内部游隙的决定因素。该内接圆直径是无游隙排列在外滚道上的一组滚针所形成的极限内接圆。安装之前内接圆直径 F_w 在公差带F6内。

订货举例和订货代号

带内圈的调心滚针轴承用于：

轴 25mm

轴承座 47mm

订货代号：PNA25 / 47。（见图3）

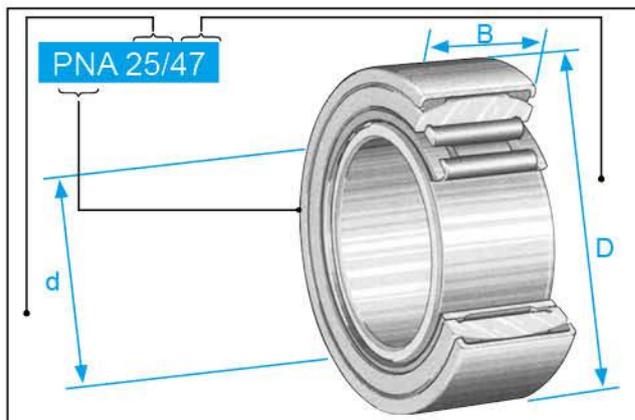
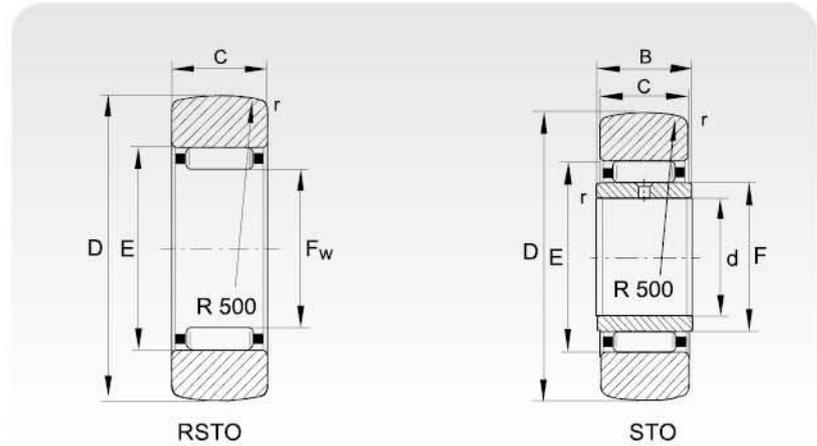


图3 订货举例，订货代号

NUTR	支承滚轮, 满装滚子, 轴向引导, 两侧迷宫密封	Yoke type track rollers, full complement cylindrical roller set, with axial guidance, labyrinth seals on both sides
PWTR	支承滚轮, 满装滚子, 轴向引导, 两侧唇密封	Yoke type track rollers, full complement cylindrical roller set, with axial guidance, lip seals on both sides
CYR	英制平档圈轴向引导支承滚轮	Inch series, plain retaining ring, axial guiding, yoke type track rollers
KR	螺栓型滚轮, 轴向引导, 两侧间隙密封	with axial guidance, gap seals on both sides
KR...PP	螺栓型滚轮, 轴向引导, 两侧用塑料推力平垫圈	with axial guidance, plastic axial plain washers on both sides
KRE	轴向引导, 带偏心锁圈, 两侧间隙密封	with axial guidance, with eccentric collar, gap seals on both sides
KRE...PP	轴向引导, 带偏心锁圈, 两侧用塑料推力平垫圈	with axial guidance, with eccentric collar, plastic axial plain washers on both sides
KRV	轴向引导, 满装滚针, 两侧间隙密封	with axial guidance, full complement needle roller set, gap seals on both sides
KRV...PP	轴向引导, 满装滚针, 两侧用塑料推力平垫圈	with axial guidance, full complement needle roller set, plastic axial plain washers on both sides
KRVE	轴向引导, 带偏心锁圈, 满装滚针, 两侧间隙密封	with axial guidance, with eccentric collar, full complement needle roller set, gap seals on both sides
KRVE...PP	轴向引导, 带偏心锁圈, 满装滚针, 两侧用塑料推力平垫圈	with axial guidance, with eccentric collar, full complement needle roller set, plastic axial plain washers on both sides
NUKR	轴向引导, 满装圆柱滚子, 两侧迷宫密封	with axial guidance, full complement cylindrical roller set, labyrinth seals on both sides
NUKRE	轴向引导, 带偏心锁圈, 满装圆柱滚子, 两侧迷宫密封	with axial guidance, with eccentric collar, full complement cylindrical roller set, labyrinth seals on both sides
PWKR	轴向引导, 满装圆柱滚子, 两侧唇密封	with axial guidance, full complement cylindrical roller set, lip seals on both sides
CF	英制系列螺栓滚轮	Inch series, stud type track rollers
CFE	英制系列螺栓滚轮, 带偏心套	Inch series, stud type track rollers with eccentric collar
CFH	英制重载系列螺栓滚轮	Inch series, heavy stud type track rollers
CFHE	英制重载系列螺栓滚轮, 带偏心套	Inch series, heavy stud type track rollers with eccentric collar

无轴向引导
Without axial guidance

RSTO, RSTO...X,
STO, STO...X

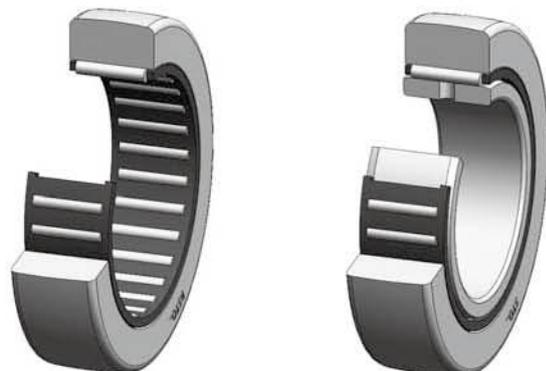


无内圈 型号 Without inner ring Design- ation	质量 (克) Mass ≈ g	有内圈 型号 With inner ring Design- ation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions(mm)							基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C_{urw} N	极限转速 Limit speed n_{DG} min ⁻¹
				D	d	C	B	F ¹⁾ F _w	E	r	dyn. C_{rw} N	stat. C_{orw} N		
RSTO5-TV	8.5	-	-	16	-	7.8	-	7	10	0.3	2550	2550	310	16000
RSTO6-TV	12.5	STO6-TV	17	19	6	9.8	10	10	13	0.3	3750	4570	570	10000
RSTO8-TV	21	STO8-TV	26	24	8	9.8	10	12	15	0.3	4200	5400	700	8000
RSTO10	42	STO10	49	30	10	11.8	12	14	20	0.3	8400	9200	1170	5500
RSTO12	49	STO12	57	32	12	11.8	12	16	22	0.3	9000	10100	1300	4500
RSTO15	50	STO15	63	35	15	11.8	12	20	26	0.3	9100	10700	1370	3300
RSTO17	88	STO17	107	40	17	15.8	16	22	29	0.3	14200	17700	2190	2800
RSTO20	130	STO20	152	47	20	15.8	16	25	32	0.3	16200	21500	2700	2400
RSTO25	150	STO25	177	52	25	15.8	16	30	37	0.3	16400	22900	2850	1800
RSTO30	255	STO30	308	62	30	19.8	20	38	46	0.6	23300	34500	3950	1300
RSTO35	375	STO35	441	72	35	19.8	20	42	50	0.6	25500	40000	4650	1100
RSTO40	420	STO40	530	80	40	19.8	20	50	58	0.6	23900	39000	4950	850
RSTO45	453	STO45	576	85	45	19.8	20	55	63	1	25500	43000	5000	750
RSTO50	481	STO50	617	90	50	19.8	20	60	68	1	26000	46000	5400	650

¹⁾ F = Raceway diameter of the inner ring, 内圈滚道尺寸

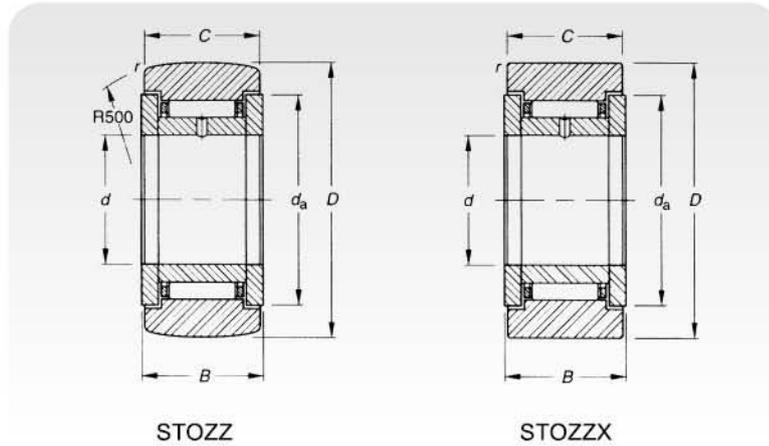
F_w = Needle roller enveloping circle in tolerance zone F6. 内切圆公差带为F6

- TV=PLASTIC CAGE 塑料保持架
- For cylindrical outer race, add the suffix "X". e.g. ST20X
外圈如是圆柱面的加后缀"X",例如: STO20X



轴向引导
With axial guidance

STOZZ
STOZZX

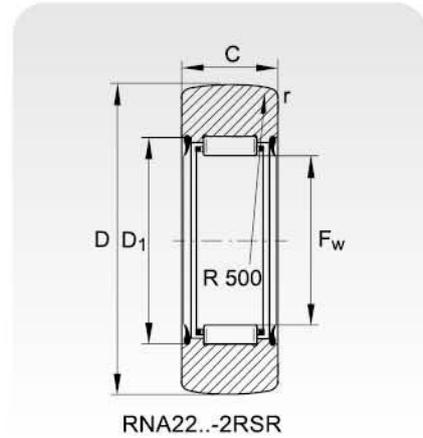


无内圈 型号 Without inner ring Designation	质量 (克) Mass ≈ g	有内圈 型号 With inner ring Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions(mm)						基本额定负荷 Basic load ratings					极限转速 Limit speed n _{1grease} min ⁻¹
				D	d	C	B	d _a	r min.	动态 C	静态 C ₀	动态 C _w	动态 F _{r perm}	静态 F _{0r perm}	
STO6ZZ	8.5	STO6ZZX	-	19	6	13.8	14	15	0.3	1210	1450	969	1180	1390	12000
STO8ZZ	12.5	STO8ZZX	17	24	8	13.8	14	18	0.3	1310	1700	1120	1700	1830	9900
STO10ZZ	21	STO10ZZX	26	30	10	15.8	16	23	0.3	2340	2380	2010	2170	2560	9400
STO12ZZ	42	STO12ZZX	49	32	12	15.8	16	25	0.3	2520	2680	2050	2140	2630	8100
STO15ZZ	49	STO15ZZX	57	35	15	15.8	16	30	0.3	2900	3440	2130	1920	2720	6300
STO17ZZ	50	STO17ZZX	63	40	17	19.8	20	33	0.3	4270	5240	3190	3010	4340	5600
STO20ZZ	88	STO20ZZX	107	47	20	19.8	20	37	0.3	4500	5710	3530	4380	5280	4900
STO25ZZ	130	STO25ZZX	152	52	25	19.8	20	42	0.3	5040	6990	3690	4450	5640	4100
STO30ZZ	150	STO30ZZX	177	62	30	24.8	25	52	0.6	7490	11500	5170	6050	8140	3200
STO35ZZ	255	STO35ZZX	308	72	35	24.8	25	56	0.6	7910	12700	5820	8810	10200	2900
STO40ZZ	375	STO40ZZX	441	80	40	25.8	26	64	0.6	8720	15200	6020	9330	10800	2400
STO45ZZ	420	STO45ZZX	530	85	45	25.8	26	69	0.6	9060	16500	6050	9530	10900	2200
STO50ZZ	453	STO50ZZX	576	90	50	25.8	26		0.6						

支承滚轮轴承 Yoke Type Track Rollers

无轴向引导，两侧唇密封
without axial guidance, lip seals
on both sides

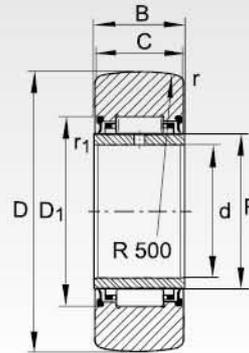
RNA22...2RSR, NA22...2RSR



无内圈 型号 Without inner ring Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions(mm)								基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load	极限转速 Speed
		D	d	C	B	F ¹⁾ F _w	D ₁ min.	r min.	r ₁ min.	dyn. C _{r w} 动态 N	stat. C _{o r w} 静态 N	C _{u r w} N	n _{D G} min ⁻¹
RNA22/6-2RSR	18	19	6	11.8	12	10	16	0.3	0.3	3900	3650	520	9000
RNA22/8-2RSR	29	24	8	11.8	12	12	18	0.3	0.3	4800	4800	860	7000
RNA2200-2RSR	52	30	10	13.8	14	14	20	0.6	0.3	7000	8000	1170	5500
RNA2201-2RSR	57	32	12	13.8	14	16	22	0.6	0.3	7500	9000	1030	4700
RNA2202-2RSR	60	35	15	13.8	14	20	26	0.6	0.3	7600	9500	1380	3400
RNA2203-2RSR	94	40	17	15.8	16	22	28	1	0.3	9900	13700	1870	3000
RNA2204-2RSR	152	47	20	17.8	18	25	33	1	0.3	15200	18300	2600	2300
RNA2205-2RSR	179	52	25	17.8	18	30	38	1	0.3	15700	19900	2850	1800
RNA2206-2RSR	284	62	30	19.8	20	35	43	1	0.3	18400	25500	3300	1400
RNA2207-2RSR	432	72	35	22.7	23	42	50	1.1	0.6	23000	35500	4800	1100
RNA2208-2RSR	530	80	40	22.7	23	48	57	1.1	0.6	27500	40500	5000	850

¹⁾ F = Raceway diameter of the inner ring, 内圈滚道尺寸
F_w = Needle roller enveloping corcle in tolerance zone F6. 内切圆公差带为F6

- For cylindrical outer race, without the suffix "R" e.g. RNA2200-2RS
外圈如是圆柱面的没有加后缀"R",例如: RNA2200-2RS



NA22...-2RSR

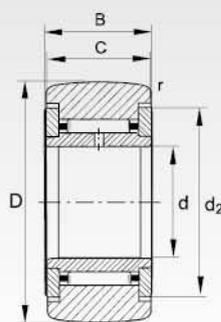
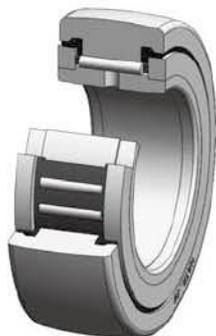
有内圈 型号 With inner ring Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions(mm)								基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C_{urw} N	极限转速 Speed n_D min ⁻¹
		D	d	C	B	F ¹⁾ F _w	D ₁	r	r ₁	dyn. C_{rw} N 动态	stat. C_{orw} N 静态		
NA22/6-2RSR	22	19	6	11.8	12	10	16	0.3	0.3	3900	3650	520	9000
NA22/8-2RSR	34	24	8	11.8	12	12	18	0.3	0.3	4800	4800	860	7000
NA2200-2RSR	60	30	10	13.8	14	14	20	0.6	0.3	7000	8000	1170	5500
NA2201-2RSR	67	32	12	13.8	14	16	22	0.6	0.3	7500	9000	1030	4700
NA2202-2RSR	75	35	15	13.8	14	20	26	0.6	0.3	7600	9500	1380	3400
NA2203-2RSR	112	40	17	15.8	16	22	28	1	0.3	9900	13700	1870	3000
NA2204-2RSR	177	47	20	17.8	18	25	33	1	0.3	15200	18300	2600	2300
NA2205-2RSR	209	52	25	17.8	18	30	38	1	0.3	15700	19900	2850	1800
NA2206-2RSR	324	62	30	19.8	20	35	43	1	0.3	18400	25500	3300	1400
NA2207-2RSR	505	72	35	22.7	23	42	50	1.1	0.6	23000	35500	4800	1100
NA2208-2RSR	628	80	40	22.7	23	48	57	1.1	0.6	27500	40500	5000	850
NA2210-2RSR	690	90	50	22.7	23	58	68	1.1	0.6	28000	42500	5300	650

- For cylindrical outer race, without the suffix "R". e.g. NA2200-2RS

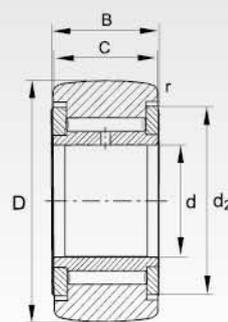
外圈如是圆柱面的没有加后缀"R",例如: NA2200-2RS

轴向引导
With axial guidance

NATR, NATR...PP
NATV, NATV...PP



NATR
(R = 500 mm)



NATV
(R = 500 mm)

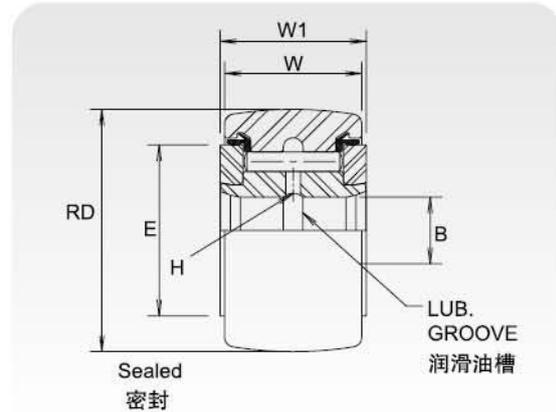
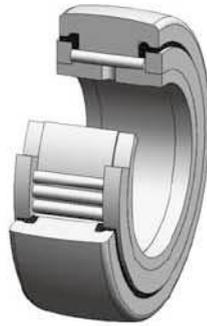
型号 ¹⁾ Designation ¹⁾	质量 (克) Mass ≈ g	型号 ²⁾ Designation ²⁾	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions(mm)						基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C _{urw} N	极限转速 Speed n _{DG} min ⁻¹
				D	d	B	C	d ₂	r	dyn. C _{r w} 动态 N	stat. C _{or w} 静态 N		
NATR5	14	NATR5-PP	14	16	5	12	11	12.5	0.15	3150	3300	415	14000
NATV5	15	NATV5-PP	15	16	5	12	11	12.5	0.15	4900	6500	860	3800
NATR6	20	NATR6-PP	19	19	6	12	11	15	0.15	3500	3900	485	11000
NATV6	21	NATV6-PP	21	19	6	12	11	15	0.15	5400	7900	1040	3100
NATR8	41	NATR8-PP	38	24	8	15	14	19	0.3	5500	6400	810	7500
NATV8	42	NATV8-PP	41	24	8	15	14	19	0.3	7800	11400	1430	2500
NATR10	64	NATR10-PP	61	30	10	15	14	23	0.6	6800	8400	1070	5500
NATV10	65	NATV10-PP	64	30	10	15	14	23	0.6	9500	14600	1840	2100
NATR12	71	NATR12-PP	66	32	12	15	14	25	0.6	6900	8800	1720	4500
NATV12	72	NATV12-PP	69	32	12	15	14	25	0.6	9700	15400	1950	1800
NATR15	104	NATR15-PP	95	35	15	19	18	27.6	0.6	9800	14100	1700	3600
NATV15	109	NATV15-PP	101	35	15	19	18	27.6	0.6	12800	23000	2900	1600
NATR17	144	NATR17-PP	139	40	17	21	20	31.5	1	10900	15500	1850	2900
NATV17	152	NATV17-PP	147	40	17	21	20	31.5	1	14800	26500	3050	1400
NATR20	246	NATR20-PP	236	47	20	25	24	36.5	1	15500	25500	3000	2400
NATV20	254	NATV20-PP	245	47	20	25	24	36.5	1	20600	42000	5200	1300
NATR25	275	NATR25-PP	271	52	25	25	24	41.5	1	15400	26500	3010	1800
NATV25	285	NATV25-PP	281	52	25	25	24	41.5	1	20500	44000	5400	1000
NATR30	470	NATR30-PP	444	62	30	29	28	51	1	23400	38500	4650	1300
NATV30	481	NATV30-PP	468	62	30	29	28	51	1	30500	62000	7800	850
-	-	NATR35-PP	547	72	35	29	28	58	1.1	25000	44000	5300	1000
-	-	NATV35-PP	630	72	35	29	28	58	1.1	33000	71000	8900	750
-	-	NATR40-PP	795	80	40	32	30	66	1.1	32500	58000	7000	850
-	-	NATV40-PP	832	80	40	32	30	66	1.1	41000	88000	11000	650
-	-	NATR50-PP	867	90	50	32	30	76	1.1	31500	59000	7100	650
-	-	NATV50-PP	969	90	50	32	30	76	1.1	40000	92000	11600	550

- Permissible operating temperature: -30°C to +100°C (continuous operation). 允许运转温度: -30°C to +100°C (连续运转)
- For cylindrical outer race, add the suffix "X". e.g. NATR15X 外圈如是圆柱面的加后缀"X", 例如: NATR15X

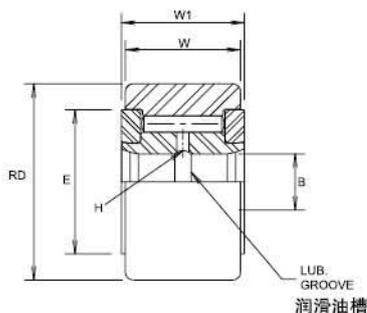
支承滚轮轴承 Yoke Type Track Rollers

英制系列
INCH SERIES

CYR, CYR-S & CCYR-S series



无密封 UNSEALED BRG. NO.	密封 SEALED BRG. NO.	密封 SEALED BRG. NO.	外径 ROLLER DIA. (RD) +.000 -.001	宽度 ROLLER WIDTH (W) +.000 -.005	内径 BORE (B)		WIDTH OVER END PLATES (W1) +.005 -.010	内圈 高度 DIA. OF END PLATES (E)	油孔 OIL HOLE (H) DIA.	动载 MAX. STATIC CAPACITY LBS.	静载 BASIC DYN. RATING LBS.
					NOM.	TOL.					
CYR-3/4	CYR-3/4-S	CCYR-3/4-S	.750	.500	.250	+.0002 -.0004	.5625	39/64	3/32	4130	1660
CYR-7/8	CYR-7/8-S	CCYR-7/8-S	.875	.500	.250		.5625	39/64		4130	1660
CYR-1	CYR-1-S	CCYR-1-S	1.000	.625	.3125		.6875	25/32		6120	2225
CYR-1 1/8	CYR-1 1/8-S	CCYR-1 1/8-S	1.125	.625	.3125		.6875	25/32		6120	2225
CYR-1 1/4	CYR-1 1/4-S	CCYR-1 1/4-S	1.250	.750	.375		.8125	63/64		8500	3930
CYR-1 3/8	CYR-1 3/8-S	CCYR-1 3/8-S	1.375	.750	.375		.8125	63/64		8500	3930
CYR-1 1/2	CYR-1 1/2-S	CCYR-1 1/2-S	1.500	.875	.4375		.9375	1 3/32		11280	4840
CYR-1 5/8	CYR-1 5/8-S	CCYR-1 5/8-S	1.625	.875	.4375		.9375	1 3/32		11280	4840
CYR-1 3/4	CYR-1 3/4-S	CCYR-1 3/4-S	1.750	1.000	.500		1.0625	1 1/4		15840	6385
CYR-1 7/8	CYR-1 7/8-S	CCYR-1 7/8-S	1.875	1.000	.500		1.0625	1 1/4		15840	6385
CYR-2	CYR-2-S	CCYR-2-S	2.000	1.250	.625	1.3125	1 13/32	21140	8090		
CYR-2 1/4	CYR-2 1/4-S	CCYR-2 1/4-S	2.250	1.250	.625	1.3125	1 13/32	21140	8090		
CYR-2 1/2	CYR-2 1/2-S	CCYR-2 1/2-S	2.500	1.500	.750	1.5625	1 11/16	1/8	32900	11720	
CYR-2 3/4	CYR-2 3/4-S	CCYR-2 3/4-S	2.750	1.500	.750	1.5625	1 11/16		32900	11720	
CYR-3	CYR-3-S	CCYR-3-S	3.000	1.750	1.000	1.8125	2 1/8		49820	15720	
CYR-3 1/4	CYR-3 1/4-S	CCYR-3 1/4-S	3.250	1.750	1.000	1.8125	2 1/8		49820	15720	
CYR-3 1/2	CYR-3 1/2-S	CCYR-3 1/2-S	3.500	2.000	1.125	2.0625	2 7/16		63250	22800	
CYR4	CYR-4-S	CCYR-4-S	4.000	2.250	1.250	2.3125	2 51/64		89540	29985	
	CYR-5-S	CCYR-5-S	5.000	2.750	1.750	2.8750	3 9/16	3/16	135900	46575	
	CYR-6-S	CCYR-6-S	6.000	3.250	2.250	3.3750	4 15/32		160900	60000	
	CYR-7-S	CCYR-7-S	7.000	3.750	2.750	3.8750	5 3/16		213860	75380	
	CYR-8-S	CCYR-8-S	8.000	4.250	3.255	4.500	4 3/8	1/4	288200	92200	
	CYR-9-S	CCYR-9-S	9.000	4.750	3.755	5.000	5 1/16	5/16	366850	113260	
	CYR-10-S	CCYR-10-S	10.000	5.250	4.255	5.500	5 15/32	3/8	431130	131545	

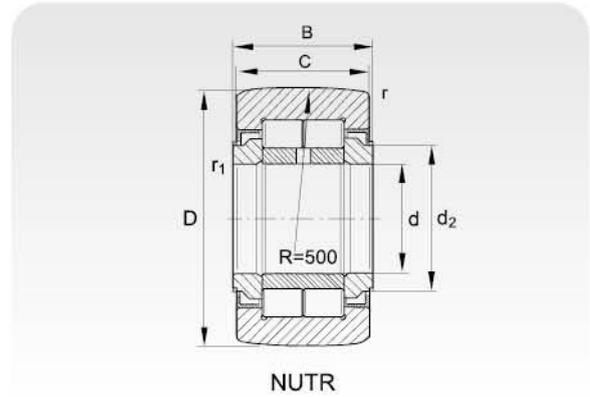
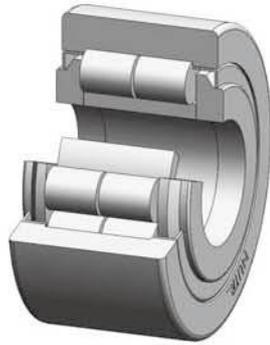


With seals
add letter "S"
Ex. CYR-1^{3/4}-S
密封型加后辮 S

Crowned O.D.
add letter "C"
Ex. CCYR-1^{3/4}-S
球外圈加前辮 C

支承滚轮轴承 Yoke Type Track Rollers

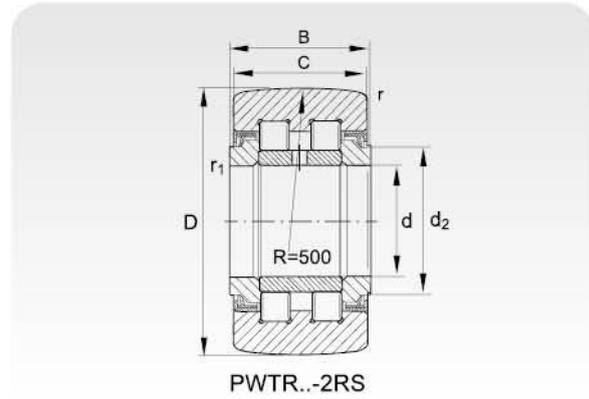
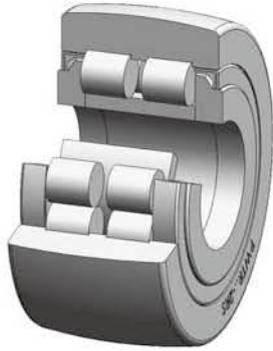
轴向引导
With axial guidance
NUTR , PWTR...2RS



NUTR

轴承型号 Bearing Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions(mm)							基本额定负荷 Basic load ratings				极限疲劳 载荷 Fatigue limit load C_{urw} N	极限转速 Speed n_{DG} min ⁻¹
		D	d	B	C	d ₂	r	r ₁	dyn. C_{rw} 动态 N	stat. C_{orw} 静态 N	dyn. F_{rper} N	stat. F_{orper} N		
NUTR15	99	35	15	19	18	20	0.6	0.3	15000	16800	8600	16800	2220	6500
PWTR15-2RS	99	35	15	19	18	20	0.6	0.3	11600	11300	9400	11300	1780	6000
NUTR17	147	40	17	21	20	22	1	0.5	18400	22600	13100	22600	2900	5500
PWTR17-2RS	147	40	17	21	20	22	1	0.5	13200	13800	13800	13800	2200	5000
NUTR1542	158	42	15	19	18	20	0.6	0.3	18100	21900	21900	21900	2900	6500
PWTR1542-2RS	158	42	15	19	18	20	0.6	0.3	13500	14100	14100	14100	2230	6000
NUTR1747	220	47	17	21	20	22	1	0.5	21300	28000	28000	28000	3600	5500
PWTR1747-2RS	220	47	17	21	20	22	1	0.5	14800	16400	16400	16400	2600	5000
NUTR20	245	47	20	25	24	27	1	0.5	28000	35000	16400	33000	4400	4200
PWTR20-2RS	245	47	20	25	24	27	1	0.5	232000	25500	18300	25500	3600	3800
NUTR2052	321	52	20	25	24	27	1	0.5	315000	41000	38500	41000	5200	4200
NUTR2052-2RS	321	52	20	25	24	27	1	0.5	255000	29500	29500	29500	4150	3800
NUTR25	281	52	25	25	24	31	1	0.5	29000	37500	17300	34500	4700	4200
NUTR25-2RS	281	52	25	25	24	31	1	0.5	242000	28000	19300	28000	3900	3800
NUTR2526	450	62	25	25	24	31	1	0.5	355000	50000	50000	50000	6300	4200
PWTR2526-2RS	450	62	25	25	24	31	1	0.5	29000	36000	36000	36000	5000	3800
NUTR30	465	62	30	29	28	38	1	0.5	40000	50000	23500	46500	6300	2600
PWTR30-2RS	465	62	30	29	28	38	1	0.5	35000	395000	25500	39500	5400	2200

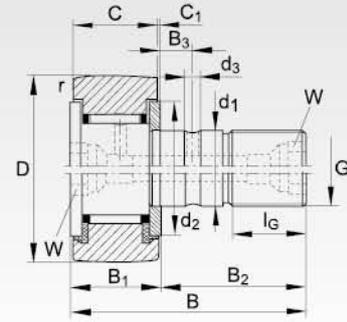
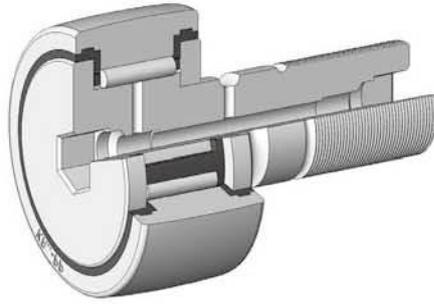
- For cylindrical outer race, add the suffix "X". e.g. NUTR15X
外圈如是圆柱面的加后缀"X", 例如: NURT15X



轴承型号 Bearing Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions(mm)							基本额定负荷 Basic load ratings				极限疲劳 载荷 Fatigue limit load C _{urw} N	极限转速 Speed n _{DG} min ⁻¹
		D	d	B	C	d ₂	r	r ₁	dyn. C _{rw}	stat. C _{orw}	dyn. F _{r per}	stat. F _{o per}		
							min.	min.	动态 N	静态 N	N	N		
NUTR3072	697	72	30	29	28	38	1	0.5	47500	64000	64000	64000	8100	2600
PWTR3072-2RS	697	72	30	29	28	38	1	0.5	41000	49000	49000	49000	6700	2200
NUTR35	630	72	35	29	28	44	1.1	0.6	44500	60000	32000	60000	7600	2100
PWTR35-2RS	630	72	35	29	28	44	1.1	0.6	38500	46500	34500	46500	6300	1800
NUTR3580	836	80	35	29	28	44	1.1	0.6	51000	72000	72000	72000	9100	2100
PWTR3580-2RS	836	80	35	29	28	44	1.1	0.6	43500	55000	55000	55000	7500	1800
NUTR40	816	80	40	32	30	50.5	1.1	0.6	55000	75000	30500	60000	9400	1600
PWTR40-2RS	816	80	40	32	30	50.5	1.1	0.6	44500	53000	35000	53000	7100	1500
NUTR45	883	85	45	32	30	55.2	1.1	0.6	56000	78000	31500	61000	9700	1400
PWTR45-2RS	883	85	45	32	30	55.2	1.1	0.6	45000	55000	36000	55000	7400	1300
NUTR4090	1129	90	40	32	30	50.5	1.1	0.6	66000	95000	84000	95000	11900	1600
PWTR4090-2RS	1129	90	40	32	30	50.5	1.1	0.6	52000	66000	66000	66000	8800	1500
NUTR50	950	90	50	32	30	59.8	1.1	0.6	57000	81000	32000	62000	10100	1300
PWTR50-2RS	950	90	50	32	30	59.8	1.1	0.6	45500	57000	37000	57000	7700	1100
NUTR45100	1396	100	45	32	30	55.2	1.1	0.6	71000	107000	106000	107000	13300	1400
PWTR45100-2RS	1396	100	45	32	30	55.2	1.1	0.6	56000	74000	74000	74000	9900	1300
NUTR50110	1690	110	50	32	30	59.8	1.1	0.6	76000	120000	120000	120000	14900	1300
PWTR50110-2RS	1690	110	50	32	30	59.8	1.1	0.6	59000	82000	82000	82000	11000	1100

支承滚轮轴承 Yoke Type Track Rollers

轴向引导
With axial guidance



from D = 22 mm KR (R = 500 mm)
KR...-PP

轴承型号 Bearing Designation	质量 (克) Mass ≈ g	带偏心套型号 With eccentric collar Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions(mm)										
				D	d ₁ h7	B	B ₁ max.	B ₂	B ₃	C	C ₁	r min.	d ₂	d ₃
KR16 ¹⁾	19	-	-	16	6	28	12.2	16	-	11	0.6	0.15	12.5	-
KR16-PP ¹⁾	18	KRE16-PP ¹⁾	20	16	6	28	12.2	16	-	11	0.6	0.15	12.5	-
KR16-SK-PP ²⁾	19	-	-	16	6	28	12.2	16	-	11	0.6	0.15	12.5	-
KRV16-PP ¹⁾	19	-	-	16	6	28	12.2	16	-	11	0.6	0.15	12.5	-
KR19 ¹⁾	29	-	-	19	8	32	12.2	20	-	11	0.6	0.15	15	-
KR19-PP ¹⁾	29	KRE19-PP ¹⁾	32	19	8	32	12.2	20	-	11	0.6	0.15	15	-
KR19-SK-PP ²⁾	29	-	-	19	8	32	12.2	20	-	11	0.6	0.15	15	-
KRV19-PP ¹⁾	31	-	-	19	8	32	12.2	20	-	11	0.6	0.15	15	-
KR22	45	-	-	22	10	36	13.2	23	-	12	0.6	0.3	17.5	-
KR22-PP	43	KRE22-PP	47	22	10	36	13.2	23	-	12	0.6	0.3	17.5	-
KRV22-PP	45	-	-	22	10	36	13.2	23	-	12	0.6	0.3	17.5	-
KR26	59	-	-	26	10	36	13.2	23	-	12	0.6	0.3	17.5	-
KR26-PP	57	KRE26-PP	62	26	10	36	13.2	23	-	12	0.6	0.3	17.5	-
KRV26-PP	59	-	-	26	10	36	13.2	23	-	12	0.6	0.3	17.5	-
KR30	92	-	-	30	12	40	15.2	25	6	14	0.6	0.6	23	3
KR30-PP	88	KRE30-PP	93	30	12	40	15.2	25	6	14	0.6	0.6	23	3
KRV30-PP	91	-	-	30	12	40	15.2	25	6	14	0.6	0.6	23	3
KR32	103	-	-	32	12	40	15.2	25	6	14	0.6	0.6	23	3
KR32-PP	98	KRE32-PP	104	32	12	40	15.2	25	6	14	0.6	0.6	23	3
KRV32-PP	101	-	-	32	12	40	15.2	25	6	14	0.6	0.6	23	3

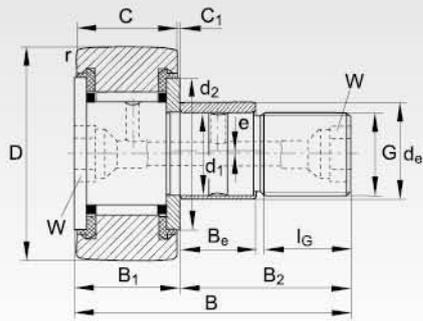
¹⁾ Relubrication hole on the flange-side end face with slot for countertensioning during fitting.
法兰端为一字槽带润滑油孔，可再润滑。

²⁾ Hexagonal socket only on the flange-side end face. No relubrication facility.
法兰端为六角孔，不能再润滑。

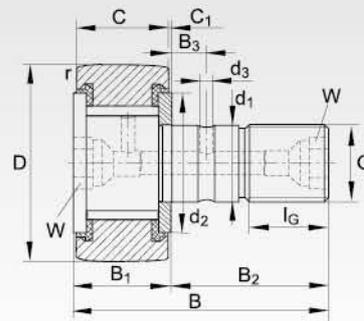
- For cylindrical outer race, add the suffix "X". e.g. KR22PPX
外圈如是圆柱面的加后缀"X", 例如: KR22PPX

支承滚轮轴承

Yoke Type Track Rollers

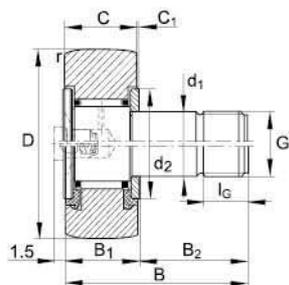


from D = 22 mm KPE..-PP R = 500 mm

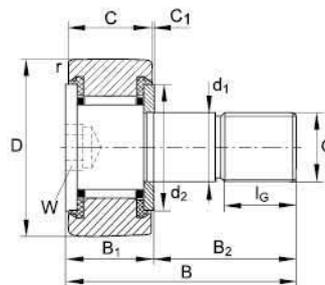


from D = 22 mm KPV..-PP R = 500 mm

G	l _G	W	Eccentric corrlar 偏心套			油嘴 Drive fit lubrication nipple	螺母拧紧扭矩 Nut tightening torque M _A Nm	基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C _{ur w} N	极限转速 Speed n _{D G} min ⁻¹
			d _e h9	B _e	e			dyn. C _{r w} 动态 N	stat. C _{or w} 静态 N		
M6(X1)	8	-	-	-	-	NIPA1	3	3150	3300	415	14000
M6(X1)	8	-	9	7	0.5	NIPA1	3	3150	3300	415	14000
M6(X1)	8	4	-	-	-	-	3	3150	3300	415	14000
M6(X1)	8	-	-	-	-	NIPA1	3	4900	6500	860	3800
M8(X1.25)	10	-	-	-	-	NIPA1	8	3500	3900	485	11000
M8(X1.25)	10	-	11	9	0.5	NIPA1	8	3500	3900	485	11000
M8(X1.25)	10	4	-	-	-	-	8	3500	3900	485	11000
M8(X1.25)	10	-	-	-	-	NIPA1	8	5400	7900	1040	3100
M10X1	12	5	-	-	-	NIPA1X4.5	15	4500	5200	650	8000
M10X1	12	5	13	10	0.5	NIPA1X4.5	15	4500	5200	650	8000
M10X1	12	5	-	-	-	NIPA1X4.5	15	6200	9100	1110	2600
M10X1	12	5	-	-	-	NIPA1X4.5	15	5100	6200	770	8000
M10X1	12	5	13	10	0.5	NIPA1X4.5	15	5100	6200	770	8000
M10X1	12	5	-	-	-	NIPA1X4.5	15	7300	11300	1380	2600
M12X1.5	13	6	-	-	-	NIPA1X4.5	22	6800	8400	1070	5500
M12X1.5	13	6	15	11	0.5	NIPA1X4.5	22	6800	8400	1070	5500
M12X1.5	13	6	-	-	-	NIPA1X4.5	22	9500	14600	1840	2100
M12X1.5	13	6	-	-	-	NIPA1X4.5	22	7100	8900	1140	5500
M12X1.5	13	6	15	11	0.5	NIPA1X4.5	22	7100	8900	1140	5500
M12X1.5	13	6	-	-	-	NIPA1X4.5	22	10000	15800	1990	2100



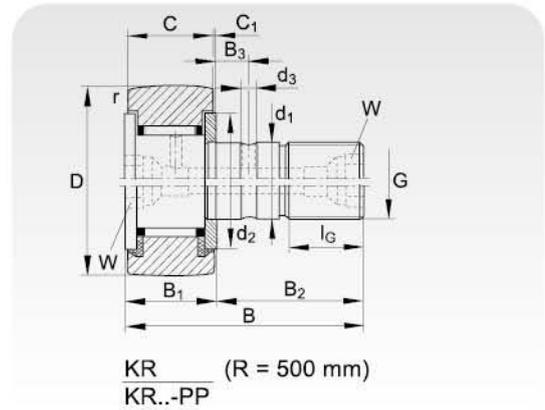
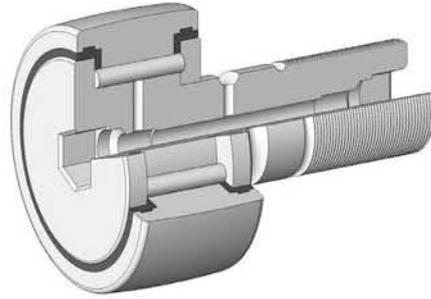
KR16, KR19
KR16-PP, KR19-PP (KRV16-PP, KRV19-PP)



KR16- SK-PP, KR19-SK-PP

螺栓滚轮轴承 Stud Type Track Rollers

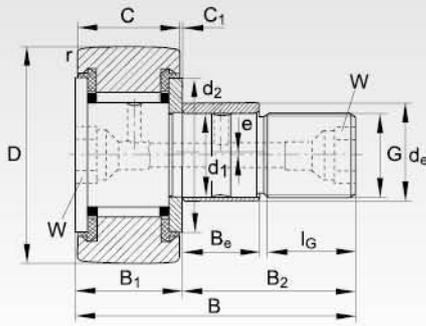
轴向引导
With axial guidance



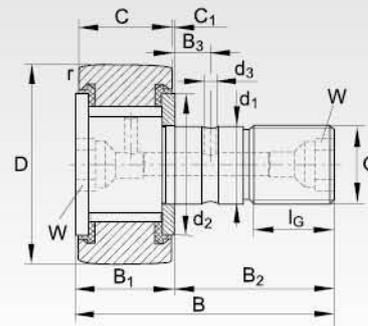
轴承型号 Bearing Designation	质量 (克) Mass ≈ g	带偏心套型号 With eccentric collar Designation		尺寸(毫米) Dimensions(mm)										
				D	d ₁ h7	B	B ₁ max.	B ₂	B ₃	C	C ₁	r min.	d ₂	d ₃
KR35	173	-	-	35	16	52	19.6	32.5	8	18	0.8	0.6	27.6	3
KR35-PP	164	KRE35-PP	177	35	16	52	19.6	32.5	8	18	0.8	0.6	27.6	3
KRV35-PP	166	-	-	35	16	52	19.6	32.5	8	18	0.8	0.6	27.6	3
KR40	247	-	-	40	18	58	21.6	36.5	8	20	0.8	1	31.5	3
KR40-PP	239	KRE40-PP	255	40	18	58	21.6	36.5	8	20	0.8	1	31.5	3
KRV40-PP	247	-	-	40	18	58	21.6	36.5	8	20	0.8	1	31.5	3
KR47-PP	381	KRE47-PP	400	47	20	66	25.6	40.5	9	24	0.8	1	36.5	4
KRV47-PP	390	-	-	47	20	66	25.6	40.5	9	24	0.8	1	36.5	4
KR52-PP	454	KRE52-PP	473	52	20	66	25.6	40.5	9	24	0.8	1	36.5	4
KRV52-PP	463	-	-	52	20	66	25.6	40.5	9	24	0.8	1	36.5	4
KR62-PP	770	KRE62-PP	798	62	24	80	30.6	49.5	11	29	0.8	1	44	4
KRV62-PP	787	-	-	62	24	80	30.6	49.5	11	29	0.8	1	44	4
KR72-PP	1010	KRE72-PP	1038	72	24	80	30.6	49.5	11	29	0.8	1.1	44	4
KRV72-PP	1027	-	-	72	24	80	30.6	49.5	11	29	0.8	1.1	44	4
KR80-PP	1608	KRE80-PP	1665	80	30	100	37	63	15	35	1	1.1	53	4
KRV80-PP	1636	-	-	80	30	100	37	63	15	35	1	1.1	53	4
KR90-PP	1975	KRE90-PP	2032	90	30	100	37	63	15	35	1	1.1	53	4
KRV90-PP	2003	-	-	90	30	100	37	63	15	35	1	1.1	53	4

螺栓滚轮轴承

Stud Type Track Rollers



KPE...-PP

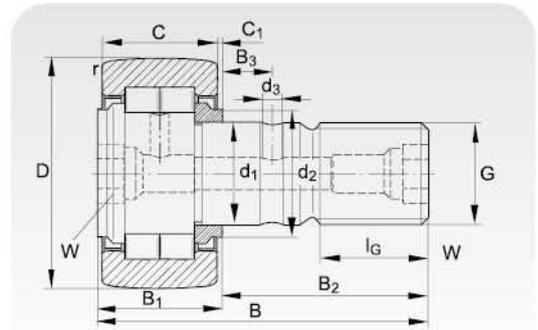
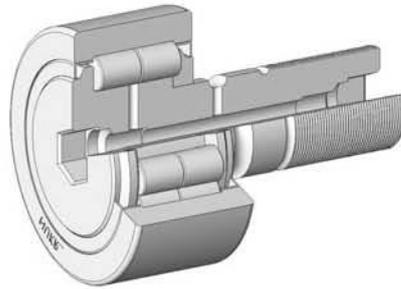


KPV...-PP

						油嘴 Drive fit lubrication nipple	螺母拧紧扭矩 Nut tightening torque M _A Nm	基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C _{ur w} N	极限转速 Speed n _{D G} min ⁻¹
G	l _G	W	Eccentric corrlar 偏心套					dyn. C _{r w} 动态 N	stat. C _{or w} 静态 N		
			d _e h9	B _e	e						
M16X1.5	17	8	-	-	-	NIPA2x7.5	58	9800	14100	1700	3600
M16X1.5	17	8	20	14	1	NIPA2x7.5	58	9800	14100	1700	3600
M16X1.5	17	8	-	-	-	NIPA2x7.5	58	12800	23000	2900	1600
M18X1.5	19	8	-	-	-	NIPA2x7.5	87	10900	15500	1850	2900
M18X1.5	19	8	22	15	1	NIPA2x7.5	87	10900	15500	1850	2900
M18X1.5	19	8	-	-	-	NIPA2x7.5	87	14800	26500	3050	1400
M20X1.5	21	10	24	18	1	NIPA2x7.5	120	15500	25500	3000	2400
M20X1.5	21	10	-	-	-	NIPA2x7.5	120	20600	42000	5200	1300
M20X1.5	21	10	24	18	1	NIPA2x7.5	120	16700	29000	3400	2400
M20X1.5	21	10	-	-	-	NIPA2x7.5	120	22600	48000	5900	2300
M24X1.5	25	14	28	22	1	NIPA3x9.5	220	26500	48000	6100	1900
M24X1.5	25	14	-	-	-	NIPA3x9.5	220	34000	75000	9800	1100
M24X1.5	25	14	28	22	1	NIPA3x9.5	220	28000	53000	6700	1900
M24X1.5	25	14	-	-	-	NIPA3x9.5	220	36500	85000	11100	1100
M30X1.5	32	14	35	29	1.5	NIPA3x9.5	450	39000	77000	9900	1300
M30X1.5	32	14	-	-	-	NIPA3x9.5	450	49500	117000	15300	850
M30X1.5	32	14	35	29	1.5	NIPA3x9.5	450	41000	83000	10600	1300
M30X1.5	32	14	-	-	-	NIPA3x9.5	450	52000	129000	16900	850

螺栓滚轮轴承 Stud Type Track Rollers

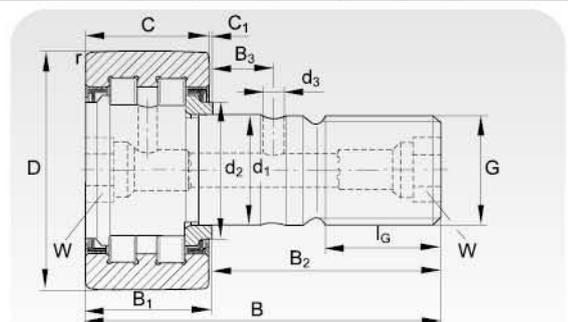
轴向引导
With axial guidance



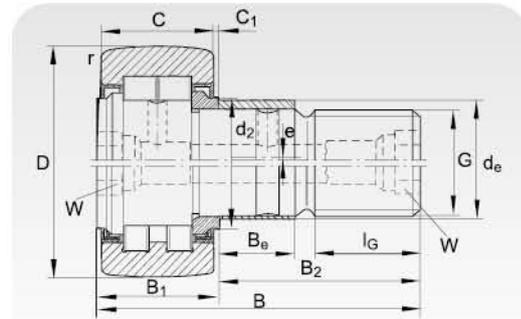
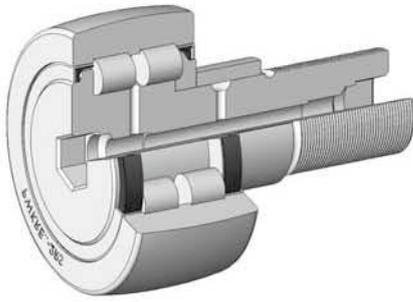
NUKR

轴承型号 Bearing Designation	质量 (克) Mass ≈ g	带偏心套型号 With eccentric collar Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions(mm)											
				D	d ₁ h7	B	B ₁ max.	B ₂	B ₃	C	C ₁	r min.	d ₂	d ₃	G
NUKR35	164	-	-	35	16	52	19.6	32.5	7.8	18	0.8	0.6	20	3	M16X1.5
-	-	NUKRE35	177	35	16	52	22.6	29.5	-	18	3.8	0.6	27.6	-	M16X1.5
PWKR35-2RS	164	-	-	35	16	52	19.6	32.5	7.8	18	0.8	0.6	20	3	M16X1.5
-	-	PWKRE35-2RS	177	35	16	52	22.6	29.5	-	18	3.8	0.6	27.6	-	M16X1.5
NUKR40	242	-	-	40	18	58	21.6	36.5	8	20	0.8	1	22	3	M18X1.5
-	-	NUKRE40	258	40	18	58	24.6	33.5	-	20	3.8	1	30	-	M18X1.5
PWKR40-2RS	242	-	-	40	18	58	21.6	36.5	8	20	0.8	1	22	3	M18X1.5
-	-	PWKRE40-2RS	258	40	18	58	24.6	33.5	-	20	3.8	1	30	-	M18X1.5
NUKR47	380	NUKRE47	400	47	20	66	25.6	40.5	9	24	0.8	1	27	4	M20X1.5
PWKR47-2RS	380	PWKRE47-2RS	400	47	20	66	25.6	40.5	9	24	0.8	1	27	4	M20X1.5
NUKR52	450	NUKRE52	470	52	20	66	25.6	40.5	9	24	0.8	1	31	4	M20X1.5
PWKR52-2RS	450	PWKRE52-2RS	470	52	20	66	25.6	40.5	9	24	0.8	1	31	4	M20X1.5
NUKR62	795	NUKRE62	824	62	24	80	30.6	49.5	11	28	1.3	1	38	4	M24X1.5
PWKR62-2RS	795	PWKRE62-2RS	824	62	24	80	30.6	49.5	11	28	1.3	1	38	4	M24X1.5
NUKR72	1020	NUKRE72	1050	72	24	80	30.6	49.5	11	28	1.3	1.1	44	4	M24X1.5
PWKR72-2RS	1020	PWKRE72-2RS	1050	72	24	80	30.6	49.5	11	28	1.3	1.1	44	4	M24X1.5
NUKR80	1600	NUKRE80	1670	80	30	100	37	63	15	35	1	1.1	47	4	M30X1.5
PWKR80-2RS	1600	PWKRE80-2RS	1670	80	30	100	37	63	15	35	1	1.1	47	4	M30X1.5
NUKR90	1960	NUKRE90	2020	90	30	100	37	63	15	35	1	1.1	47	4	M30X1.5
PWKR90-2RS	1960	PWKRE90-2RS	2020	90	30	100	37	63	15	35	1	1.1	47	4	M30X1.5

- For cylindrical outer race, add the suffix "X".e.g. NUKR35X
外圈如是圆柱面的加后缀"X", 例如: NUKR35X

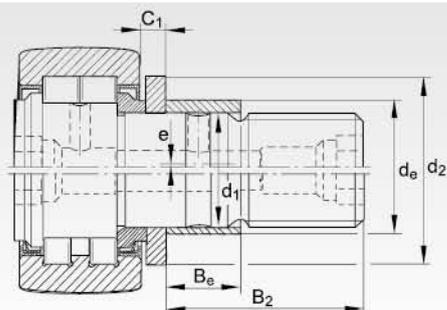


PWKR..-2RS



NUKRE
PWKRE...-2RS

l _G	W	Eccentric collar 偏心套			油嘴 Drive fit lubrication nipple	螺母拧紧扭矩 Nut tightening torque M _A Nm	基本额定负荷 Basic load ratings				极限疲劳 载荷 Fatigue limit load C _{urw} N	极限转速 Speed n _{DG} min ⁻¹
		d _e h9	B _e	e			dyn. C _{r w} 动态 N	stat. C _{or w} 静态 N	dyn. F _{r per} N	stat. F _{or per} N		
17	8	-	-	-	NIPA2x7.5	58	15000	16800	8600	16800	2220	6500
17	8	20	12	1	NIPA2x7.5	58	15000	16800	8600	16800	2220	6500
17	8	-	-	-	NIPA2x7.5	58	11600	11300	9400	11300	1780	6000
17	8	20	12	1	NIPA2x7.5	58	11600	11300	9400	11300	1780	6000
19	8	-	-	-	NIPA2x7.5	87	18400	22600	13100	22600	2900	5500
19	8	22	14	1	NIPA2x7.5	87	18400	22600	13100	22600	2900	5500
19	8	-	-	-	NIPA2x7.5	87	13200	13800	13800	13800	2200	5000
19	8	22	14	1	NIPA2x7.5	87	13200	13800	13800	13800	2200	5000
21	10	24	18	1	NIPA2x7.5	120	28000	35000	33000	33000	4400	4200
21	10	24	18	1	NIPA2x7.5	120	23200	25500	25500	25500	3600	3800
21	10	24	18	1	NIPA2x7.5	120	29000	37500	34500	34500	4700	4200
21	10	24	18	1	NIPA2x7.5	120	24200	28000	28000	28800	3900	3800
25	14	28	22	1	NIPA3x9.5	220	40000	50000	46500	46500	6300	2600
25	14	28	22	1	NIPA3x9.5	220	35000	39500	39500	39500	5400	2200
25	14	28	22	1	NIPA3x9.5	220	44500	60000	60000	60000	7600	2600
25	14	28	22	1	NIPA3x9.5	220	38500	46500	46500	46500	6300	2200
32	14	35	29	1.5	NIPA3x9.5	450	69000	98000	96000	96000	12100	1800
32	14	35	29	1.5	NIPA3x9.5	450	56000	70000	70000	70000	9100	1800
32	14	35	29	1.5	NIPA3x9.5	450	79000	117000	117000	11700	14400	1800
32	14	35	29	1.5	NIPA3x9.5	450	63000	82000	82000	82000	10700	1800



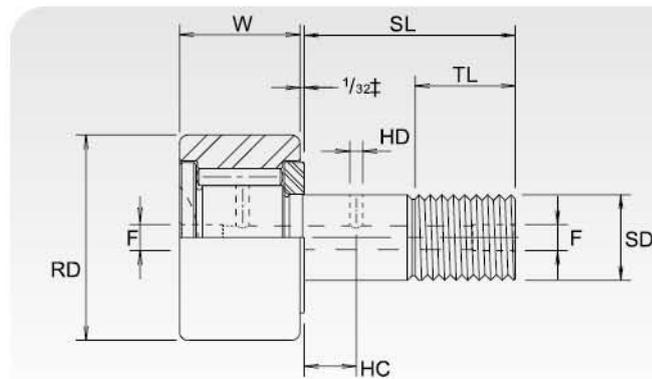
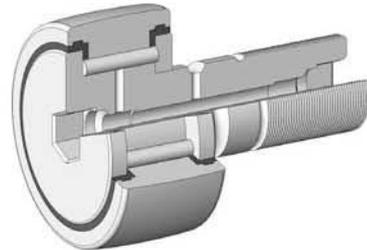
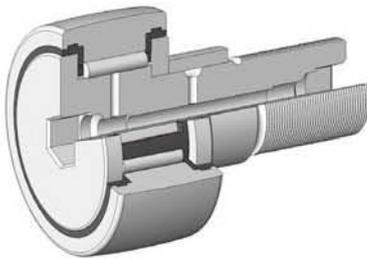
NUKRE35/NUKRE40
PWKRE35...-2RS/PWKRE40...-2RS

Eccentric stud 偏心轴

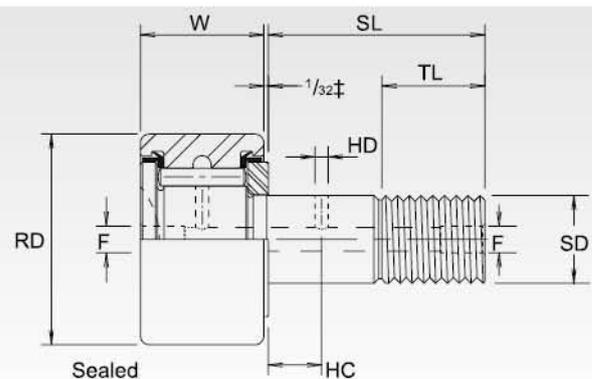
轴承型号 BASIC BEARING NO. BEARING SIZE	偏心套尺寸 BUSHING DIA. ±.001	推荐座孔尺寸 RECOMMENDED HOUSING BORE DIA. ±.001
1/2	0.250	0.253
9/16	0.250	0.253
5/8	0.375	0.378
11/16	0.375	0.378
3/4	0.500	0.503
7/8	0.500	0.503
1	0.625	0.628
1 1/8	0.625	0.628
1 1/4	0.687	0.690
1 3/8	0.687	0.690
1 1/2	0.875	0.878
1 5/8	0.875	0.878
1 3/4	1.000	1.003
1 7/8	1.000	1.003
2	1.187	1.190
2 1/4	1.187	1.190
2 1/2	1.375	1.378
2 3/4	1.375	1.378
3	1.750	1.753
3 1/4	1.750	1.753
3 1/2	1.812	1.815
4	2.000	2.003

Hex wrench sizes 六角扳手尺寸

轴承型号 BASIC BEARING NO.	六角扳手尺寸 HEX WRENCH SIZE	轴承型号 BASIC BEARING NO.	六角扳手尺寸 HEX WRENCH SIZE
1/2	1/8	1 7/8	5/16
9/16	1/8	2	7/16
5/8	1/8	2 1/4	7/16
11/16	1/8	2 1/2	1/2
3/4	3/16	2 3/4	1/2
7/8	3/16	3	3/4
1	1/4	3 1/4	3/4
1 1/8	1/4	3 1/2	3/4
1 1/4	1/4	4	3/4
1 3/8	1/4	5	7/8
1 1/2	5/16	6	1
1 5/8	5/16	7, 8, 9, 10	1 1/4
1 3/4	5/16		



±1/16" on CF-5, CF-6, CF-7



±1/16" on CF-5-S, CF-6-S, CF-7-S

螺栓滚轮轴承

Stud Type Track Rollers



With seals
add letter "S"
Ex. CF-1³/₄-S

带密封加后缀 S



Crowned O.D.
add letter "C"
Ex. CCF-1³/₄-S

球面外径加前缀 C



Hex Hole
add letter "B"
Ex. CF-1³/₄-SB

内六角孔加后缀 B

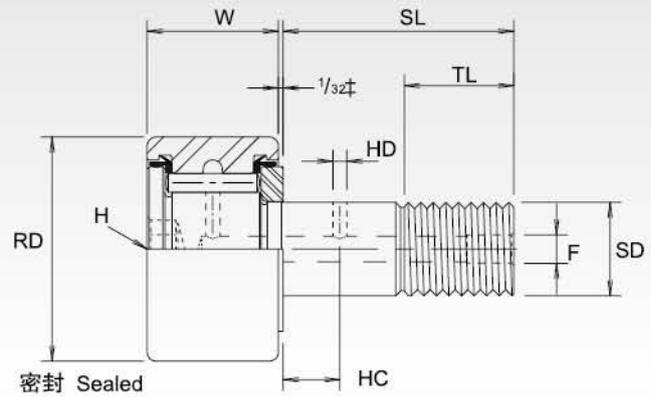


Eccentric Stud
add letter "E"
Ex. CFE-1³/₄-SB

带偏心套加前缀 E

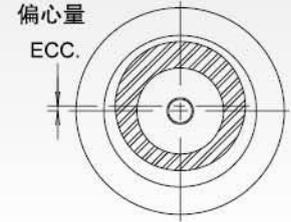
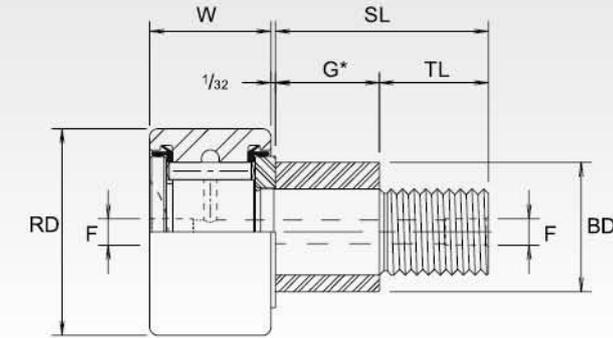
无密封型 UNSEALED BRG. NO.	密封型 SEALED BRG. NO.	外径 ROLLER DIA. (RD) +.000 -.001	宽度 ROLLER WIDTH (W) +.000 -.005	轴径 STUD DIA. (SD) +.001 -.000	轴长 STUD L'GTH. (SL)	最小螺 纹长度 MIN. THR'D L'GTH. (TL)	螺距 FINE THR'DS.	油孔 OIL HOLE		油嘴 LUB. FIT- TING SIZE (F)*	推荐拧紧力矩 RECOM. CLAMPING TORQUE LBS.- IN.	静载 MAX. STATIC CAPACITY LBS.	动载 BASIC DYN. RATING LBS.
								HOLE CENTER (HC)	HOLE DIA. (HD)				
CF-1/2-N	CF-1/2-N-S	.500	.344	.190	1/2	1/4	10-32	-	-	1/8	15	720	620
CF-1/2	CF-1/2-S	.500	.375	.190	5/8	1/4	10-32	-	-	1/8	15	790	680
CF-9/16	CF-9/16-S	.5625	.375	.190	5/8	1/4	10-32	-	-	1/8	15	790	680
CF-5/8-N	CF-5/8-N-S	.625	.406	.250	5/8	5/16	1/4-28	-	-	1/8	35	1085	930
CF-5/8	CF-5/8-S	.625	.4375	.250	3/4	5/16	1/4-28	-	-	1/8	35	1215	955
CF-11/16	CF 11/16-S	.6875	.4375	.250	3/4	5/16	1/4-28	-	-	1/8	35	1215	955
CF-3/4	CF-3/4-S	.750	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	95	2065	1660
CF-7/8	CF-7/8-S	.875	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	95	2065	1660
CF-1	CF-1-S	1.000	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	250	3060	2225
CF-1 1/8	CF-1 1/8-S	1.125	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	250	3060	2225
CF-1 1/4	CF-1 1/4-S	1.250	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	350	4250	3930
CF-1 3/8	CF-1 3/8-S	1.375	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	350	4250	3930
CF-1 1/2	CF-1 1/2-S	1.500	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	650	5640	4840
CF-1 5/8	CF-1 5/8-S	1.625	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	650	5640	4840
CF-1 3/4	CF-1 3/4-S	1.750	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1250	7920	6385
CF-1 7/8	CF-1 7/8-S	1.875	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1250	7920	6385
CF-2	CF-2-S	2.000	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1500	10570	8090
CF-2 1/4	CF-2 1/4-S	2.250	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1500	10570	8090
CF-2 1/2	CF-2 1/2-S	2.500	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	2250	16450	11720
CF-2 3/4	CF-2 3/4-S	2.750	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	2250	16450	11720
CF-3	CF-3-S	3.000	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	3450	24910	15720
CF-3 1/4	CF-3 1/4-S	3.250	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	3450	24910	15720
CF-3 1/2	CF-3 1/2-S	3.500	2.000	1.375	2 3/4	1 3/8	1 3/8-12	11/16	1/8	1/4	4200	31625	22800
CF-4	CF-4-S	4.000	2.250	1.500	3 1/2	1 1/2	1 1/2-12	3/4	1/8	1/4	5000	44770	29985
	CF-5-S	5.000	2.750	2.000	5 1/16	2 9/16	2-12	7/8	3/16	1/4 N.P.T.	5000	67950	46575
	CF-6-S	6.000	3.250	2.500	6	3	2 1/2-12	1	3/16	1/4 N.P.T.	5000	80450	60000
	CF-7-S	7.000	3.750	3.000	7 11/16	4 1/8	3-12	1 1/4	3/16	1/4 N.P.T.	5000	106930	75380
	CF-8-S	8.000	4.250	3.250	8 1/2	4 1/4	3 1/4-4	-	-	1/4 N.P.T.	5000	144100	92200
	CF-9-S	9.000	4.750	3.750	9 1/2	4 3/4	3 1/2-4	-	-	1/4 N.P.T.	5000	183430	113260
	CF-10-S	10.000	5.250	4.250	10	4 3/4	3 1/2-4	-	-	1/4 N.P.T.	5000	215565	131545

螺栓滚轮轴承 Stud Type Track Rollers



无密封型 UNSEALED BRG. NO.	密封型 SEALED BRG. NO.	外径 ROLLER DIA. (RD) +.000 -.001	宽度 ROLLER WIDTH (W) +.000 -.005	轴径 STUD DIA. (SD) +.001 -.000	轴长 STUD L'GTH. (SL)	最小螺 纹长度 MIN. THR'D L'GTH. (TL)	螺距 FINE THR'DS.	油孔 OIL HOLE		油嘴 LUB. FIT- TING SIZE (F)*	推荐拧紧力矩 RECOM. CLAMPING TORQUE LBS.- IN.	静载 MAX. STATIC CAPACITY LBS.	动载 BASIC DYN. RATING LBS.
								油孔 中心 (HC)	油孔 直径 (HD)				
CF-1/2-N-B	CF-1/2-N-SB	.500	.344	.190	1/2	1/4	10-32	-	-	-	15	720	620
CF-1/2-B	CF-1/2-SB	.500	.375	.190	5/8	1/4	10-32	-	-	-	15	790	680
CF-9/16-B	CF-9/16-SB	.5625	.375	.190	5/8	1/4	10-32	-	-	-	15	790	680
CF-5/8-N-B	CF-5/8-N-SB	.625	.406	.250	5/8	5/16	1/4-28	-	-	-	35	1085	930
CF-5/8-B	CF-5/8-SB	.625	.4375	.250	3/4	5/16	1/4-28	-	-	-	35	1215	955
CF-11/16-B	CF-11/16-SB	.6875	.4375	.250	3/4	5/16	1/4-28	-	-	-	35	1215	955
CF-3/4-B	CF-3/4-SB	.750	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	95	2065	1660
CF-7/8-B	CF-7/8-SB	.875	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	95	2065	1660
CF-1-B	CF-1-SB	1.000	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	250	3060	2225
CF-1 1/8-B	CF-1 1/8-SB	1.125	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	250	3060	2225
CF-1 1/4-B	CF-1 1/4-SB	1.250	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	350	4250	3930
CF-1 3/8-B	CF-1 3/8-SB	1.375	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	350	4250	3930
CF-1 1/2-B	CF-1 1/2-SB	1.500	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	650	5640	4840
CF-1 5/8-B	CF-1 5/8-SB	1.625	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	650	5640	4840
CF-1 3/4-B	CF-1 3/4-SB	1.750	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1250	7920	6385
CF-1 7/8-B	CF-1 7/8-SB	1.875	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1250	7920	6385
CF-2-B	CF-2-SB	2.000	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1500	10570	8090
CF-2 1/4-B	CF-2 1/4-SB	2.250	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1500	10570	8090
CF-2 1/2-B	CF-2 1/2-SB	2.500	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	2250	16450	11720
CF-2 3/4-B	CF-2 3/4-SB	2.750	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	2250	16450	11720
CF-3-B	CF-3-SB	3.000	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	3450	24910	15720
CF-3 1/4-B	CF-3 1/4-SB	3.250	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	3450	24910	15720
CF-3 1/2-B	CF-3 1/2-SB	3.500	2.000	1.375	2 3/4	1 3/8	1 3/8-12	11/16	1/8	1/4	4200	31625	22800
CF-4-B	CF-4-SB	4.000	2.250	1.500	3 1/2	1 1/2	1 1/2-12	3/4	1/8	1/4	5000	44770	29985

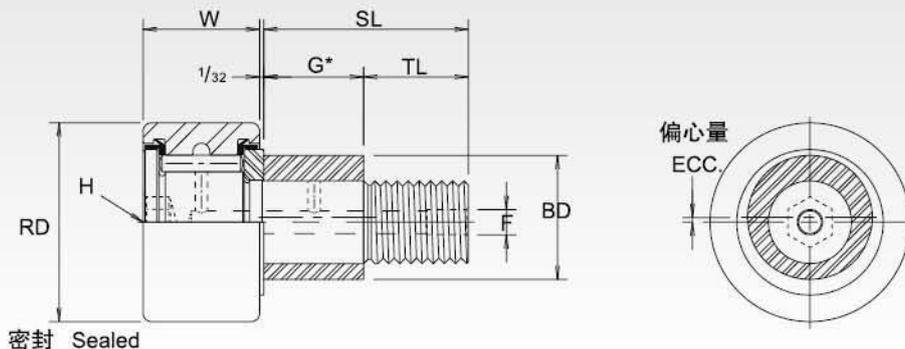
螺栓滚轮轴承 Stud Type Track Rollers



密封 Sealed

无密封型 UNSEALED BRG. NO.	密封型 SEALED BRG. NO.	外径 ROLLER DIA. (RD) +.000 -.001	宽度 ROLLER WIDTH (W) +.000 -.005	偏心套 长度 BUSH. L'GTH (G) +.000 -.010	偏心套 外径 BUSH. DIA. (BD) ±.001	轴长 STUD L'GTH. (SL)	最小螺 纹长度 MIN. THR'D L'GTH. (TL)	螺距 FINE THR'DS.	偏心量 ECC.	油嘴 LUB. FIT- TING SIZE (F)	推荐拧紧 力矩 RECOM. CLAMPING TORQUE LBS.- IN.	静载 MAX. STATIC CAPACITY LBS.	动载 BASIC DYN. RATING LBS.
CFE-1/2	CFE-1/2-S	.500	.375	.375	.250	5/8	1/4	10-32	.010	1/8	15	790	680
CFE-9/16	CFE-9/16-S	.5625	.375	.375	.250	5/8	1/4	10-32	.010	1/8	15	790	680
CFE-5/8	CFE-5/8-S	.625	.4375	.437	.375	3/4	5/16	1/4-28	.015	1/8	35	1215	955
CFE-11/16	CFE-11/16-S	.6875	.4375	.437	.375	3/4	5/16	1/4-28	.015	1/8	35	1215	955
CFE-3/4	CFE-3/4-S	.750	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CFE-7/8	CFE-7/8-S	.875	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CFE-1	CFE-1-S	1.000	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CFE-1 1/8	CFE-1 1/8-S	1.125	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CFE-1 1/4	CFE-1 1/4-S	1.250	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CFE-1 3/8	CFE-1 3/8-S	1.375	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CFE-1 1/2	CFE-1 1/2-S	1.500	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CFE-1 5/8	CFE-1 5/8-S	1.625	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CFE-1 3/4	CFE-1 3/4-S	1.750	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CFE-1 7/8	CFE-1 7/8-S	1.875	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CFE-2	CFE-2-S	2.000	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CFE-2 1/4	CFE-2 1/4-S	2.250	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CFE-2 1/2	CFE-2 1/2-S	2.500	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CFE-2 3/4	CFE-2 3/4-S	2.750	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CFE-3	CFE-3-S	3.000	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	1/4	3450	24910	15720
CFE-3 1/4	CFE-3 1/4-S	3.250	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	1/4	3450	24910	15720
CFE-3 1/2	CFE-3 1/2-S	3.500	2.000	1.375	1.812	2 3/4	1 3/8	1 3/8-12	.060	1/4	4200	31625	22800
CFE-4	CFE-4-S	4.000	2.250	2.000	2.000	3 1/2	1 1/2	1 1/2-12	.060	1/4	5000	44770	29985

螺栓滚轮轴承 Stud Type Track Rollers

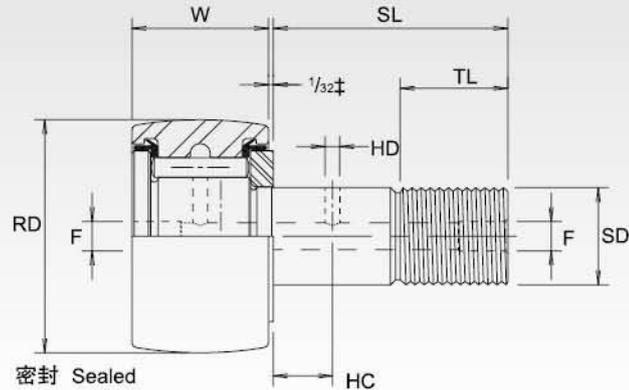


密封 Sealed

无密封型 UNSEALED BRG. NO.	密封型 SEALED BRG. NO.	外径 ROLLER DIA. (RD) +.000 -.001	宽度 ROLLER WIDTH (W) +.000 -.005	偏心套 长度 BUSH. L'GTH (G) +.000 -.010	偏心套 外径 BUSH. DIA. (BD) ±.001	轴长 STUD L'GTH. (SL)	最小螺 纹长度 MIN. THR'D L'GTH. (TL)	螺距 FINE THR'DS.	偏心量 ECC.	油嘴 LUB. FIT- TING SIZE (F)	推荐拧紧 力矩 RECOM. CLAMPING TORQUE LBS.-	静载 MAX. STATIC CAPACITY LBS.	动载 BASIC DYN. RATING LBS.
CFE-1/2-N-B	CFE-1/2-N-SB	.500	.344	.250	.250	1/2	1/4	10-32	.010	-	15	720	620
CFE-1/2-B	CFE-1/2-SB	.500	.375	.375	.250	5/8	1/4	10-32	.010	-	15	790	680
CFE-9/16-B	CFE-9/16-SB	.5625	.375	.375	.250	5/8	1/4	10-32	.010	-	15	790	680
CFE-5/8-B	CFE-5/8-SB	.625	.4375	.437	.375	3/4	5/16	1/4-28	.015	-	35	1215	955
CFE-11/16-B	CFE-11/16-SB	.6875	.4375	.437	.375	3/4	5/16	1/4-28	.015	-	35	1215	955
CFE-3/4-B	CFE-3/4-SB	.750	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CFE-7/8-B	CFE-7/8-SB	.875	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CFE-1-B	CFE-1-SB	1.000	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CFE-1 1/8-B	CFE-1 1/8-SB	1.125	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CFE-1 1/4-B	CFE-1 1/4-SB	1.250	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CFE-1 3/8-B	CFE-1 3/8-SB	1.375	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CFE-1 1/2-B	CFE-1 1/2-SB	1.500	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CFE-1 5/8-B	CFE-1 5/8-SB	1.625	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CFE-1 3/4-B	CFE-1 3/4-SB	1.750	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CFE-1 7/8-B	CFE-1 7/8-SB	1.875	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CFE-2-B	CFE-2-SB	2.000	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CFE-2 1/4-B	CFE-2 1/4-SB	2.250	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CFE-2 1/2-B	CFE-2 1/2-SB	2.500	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CFE-2 3/4-B	CFE-2 3/4-SB	2.750	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CFE-3-B	CFE-3-SB	3.000	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	1/4	3450	24910	15720
CFE-3 1/4-B	CFE-3 1/4-SB	3.250	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	1/4	3450	24910	15720
CFE-3 1/2-B	CFE-3 1/2-SB	3.500	2.000	1.375	1.812	2 3/4	1 3/8	1 3/8-12	.060	1/4	4200	31625	22800
CFE-4-B	CFE-4-SB	4.000	2.250	2.000	2.000	3 1/2	1 1/2	1 1/2-12	.060	1/4	5000	44770	29985

螺栓滚轮轴承

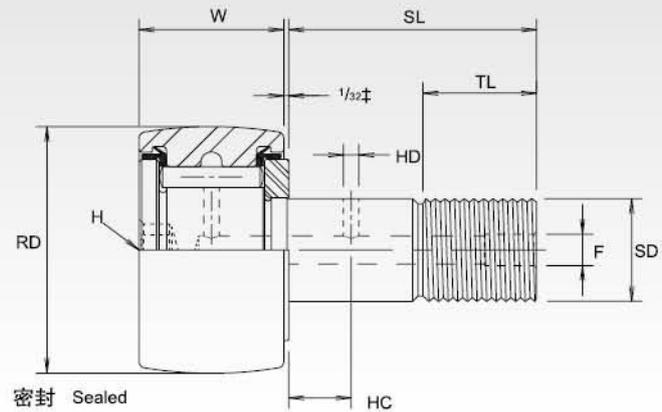
Stud Type Track Rollers



±1/16" on CCF-5-S, CCF-6-S, CCF-7-S

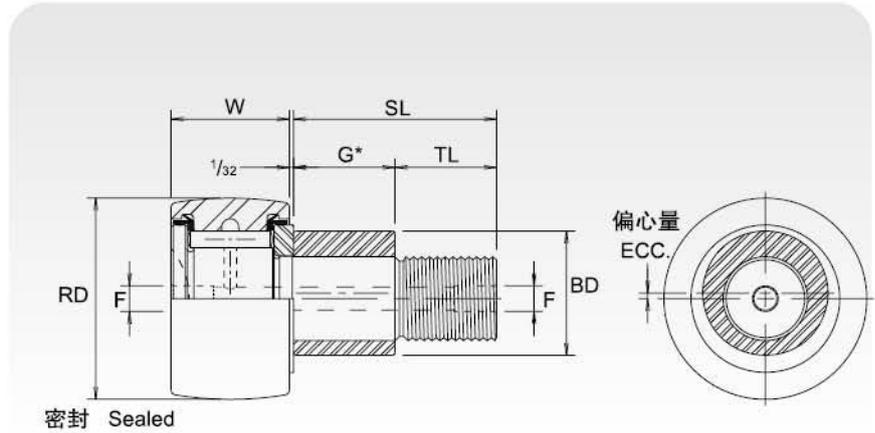
轴承型号 BRG. NO.	外径 ROLLER DIA. (RD) +.000 -.001	宽度 ROLLER WIDTH (W) +.000 -.005	轴径 STUD DIA. (SD) +.001 -.000	轴长 STUD L'GTH. (SL)	最小螺 纹长度 MIN. THR'D L'GTH. (TL)	螺距 FINE THR'DS.	油孔 OIL HOLE		油嘴 LUB. FIT- TING SIZE (F)	推荐拧紧 力矩 RECOM. CLAMPING TORQUE LBS.-	静载 MAX. STATIC CAPACITY LBS.	动载 BASIC DYN. RATING LBS.
							油孔 HOLE CENTER HC	油孔 HOLE DIA. HD				
CCF-1/2-N-S	.500	.344	.190	1/2	1/4	10-32	-	-	1/8	15	720	620
CCF-1/2-S	.500	.375	.190	5/8	1/4	10-32	-	-	1/8	15	790	680
CCF-9/16-S	.5625	.375	.190	5/8	1/4	10-32	-	-	1/8	15	790	680
CCF-5/8-N-S	.625	.406	.250	5/8	5/16	1/4-28	-	-	1/8	35	1085	930
CCF-5/8-S	.625	.4375	.250	3/4	5/16	1/4-28	-	-	1/8	35	1215	955
CCF-11/16-S	.6875	.4375	.250	3/4	5/16	1/4-28	-	-	1/8	35	1215	955
CCF-3/4-S	.750	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	95	2065	1660
CCF-7/8-S	.875	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	95	2065	1660
CCF-1-S	1.000	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	250	3060	2225
CCF-1 1/8-S	1.125	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	250	3060	2225
CCF-1 1/4-S	1.250	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	350	4250	3930
CCF-1 3/8-S	1.375	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	350	4250	3930
CCF-1 1/2-S	1.500	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	650	5640	4840
CCF-1 5/8-S	1.625	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	650	5640	4840
CCF-1 3/4-S	1.750	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1250	7920	6385
CCF-1 7/8-S	1.875	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1250	7920	6385
CCF-2-S	2.000	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1500	10570	8090
CCF-2 1/4-S	2.250	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1500	10570	8090
CCF-2 1/2-S	2.500	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	2250	16450	11720
CCF-2 3/4-S	2.750	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	2250	16450	11720
CCF-3-S	3.000	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	3450	24910	15720
CCF-3 1/4-S	3.250	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	3450	24910	15720
CCF-3 1/2-S	3.500	2.000	1.375	2 3/4	1 3/8	1 3/8-12	11/16	1/8	1/4	4200	31625	22800
CCF4-S	4.000	2.250	1.500	3 1/2	1 1/2	1 1/2-12	3/4	1/8	1/4	5000	44770	29985
CCF-5-S	5.000	2.750	2.000	5 1/16	2 9/16	2-12	7/8	3/16	1/4 N.P.T.	5000	67950	46575
CCF-6-S	6.000	3.250	2.500	6	3	2 1/2-12	1	3/16	1/4 N.P.T.	5000	80450	60000
CCF-7-S	7.000	3.750	3.000	7 11/16	4 1/8	3-12	1 1/4	3/16	1/4 N.P.T.	5000	106930	75380
CCF-8-S	8.000	4.250	3.250	8 1/2	4 1/4	3 1/4-4	-	-	1/4 N.P.T.	5000	144100	92200
CCF-9-S	9.000	4.750	3.750	9 1/2	4 3/4	3 1/2-4	-	-	1/4 N.P.T.	5000	183430	113260
CCF-10-S	10.000	5.250	4.250	10	4 3/4	3 1/2-4	-	-	1/4 N.P.T.	5000	215565	131545

螺栓滚轮轴承 Stud Type Track Rollers



轴承型号 BRG. NO.	外径 ROLLER DIA. (RD) +.000 -.001	宽度 ROLLER WIDTH (W) +.000 -.005	轴径 STUD DIA. (SD) +.001 -.000	轴长 STUD L'GTH. (SL)	最小螺 纹长度 MIN. THR'D L'GTH. (TL)	螺距 FINE THR'DS.	油孔 OIL HOLE		油嘴 LUB. FIT- TING SIZE (F)	推荐拧紧 力矩 RECOM. CLAMPING TORQUE LBS.- IN.	静载 MAX. STATIC CAPACITY LBS.	动载 BASIC DYN. RATING LBS.
							孔中心 HC	孔直径 HD				
CCF-1/2-N-SB	.500	.344	.190	1/2	1/4	10-32	-	-	-	15	720	620
CCF-1/2-SB	.500	.375	.190	5/8	1/4	10-32	-	-	-	15	790	680
CCF-9/16-SB	.5625	.375	.190	5/8	1/4	10-32	-	-	-	15	790	680
CCF-5/8-N-SB	.625	.406	.250	5/8	5/16	1/4-28	-	-	-	35	1085	930
CCF-5/8-SB	.625	.4375	.250	3/4	5/16	1/4-28	-	-	-	35	1215	955
CCF-11/16-SB	.6875	.4375	.250	3/4	5/16	1/4-28	-	-	-	35	1215	955
CCF-3/4-SB	.750	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	95	2065	1660
CCF-7/8-SB	.875	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	95	2065	1660
CCF-1-SB	1.000	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	250	3060	2225
CCF-1 1/8-SB	1.125	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	250	3060	2225
CCF-1 1/4-SB	1.250	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	350	4250	3930
CCF-1 3/8-SB	1.375	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	350	4250	3930
CCF-1 1/2-SB	1.500	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	650	5640	4840
CCF-1 5/8-SB	1.625	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	650	5640	4840
CCF-1 3/4-SB	1.750	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1250	7920	6385
CCF-1 7/8-SB	1.875	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1250	7920	6385
CCF-2-SB	2.000	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1500	10570	8090
CCF-2 1/4-SB	2.250	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1500	10570	8090
CCF-2 1/2-SB	2.500	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	2250	16450	11720
CCF-2 3/4-SB	2.750	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	2250	16450	11720
CCF-3-SB	3.000	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	3450	24910	15720
CCF-3 1/4-SB	3.250	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	3450	24910	15720
CCF-3 1/2-SB	3.500	2.000	1.375	2 3/4	1 3/8	1 3/8-12	11/16	1/8	1/4	4200	31625	22800
CCF-4-SB	4.000	2.250	1.500	3 1/2	1 1/2	1 1/2-12	3/4	1/8	1/4	5000	44770	29985

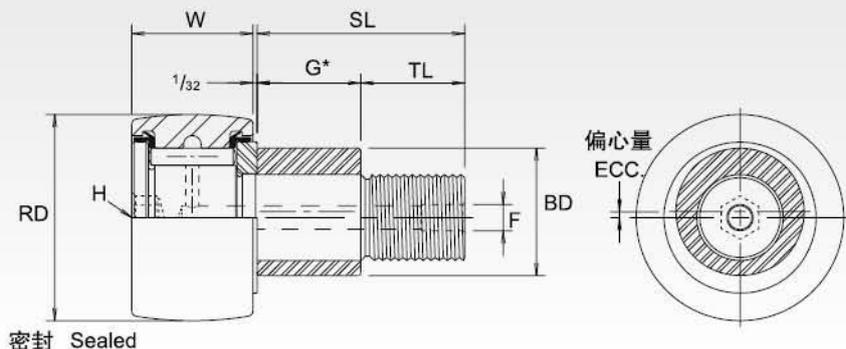
螺栓滚轮轴承 Stud Type Track Rollers



密封 Sealed

轴承型号 BRG. NO.	外径 ROLLER DIA. (RD) +.000 -.001	宽度 ROLLER WIDTH (W) +.000 -.005	偏心套 长度 BUSH. L'GTH (G) +.000 -.010	偏心套 外径 BUSH. DIA. (BD) ±.001	轴长 STUD L'GTH. (SL)	最小螺 纹长度 MIN. THR'D L'GTH. (TL)	螺距 FINE THR'DS.	偏心量 ECC.	油嘴 LUB. FIT- TING SIZE (F)	推荐拧紧力矩 RECOM. CLAMPING TORQUE LBS.- IN.	静载 MAX. STATIC CAPACITY LBS.	动载 BASIC DYN. RATING LBS.
CCFE-1/2-N-S	.500	.344	.250	.250	1/2	1/4	10-32	.010	1/8	15	720	620
CCFE-1/2-S	.500	.375	.375	.250	5/8	1/4	10-32	.010	1/8	15	790	680
CCFE-9/16-S	.5625	.375	.375	.250	5/8	1/4	10-32	.010	1/8	15	790	680
CCFE-5/8-S	.625	.4375	.437	.375	3/4	5/16	1/4-28	.015	1/8	35	1215	955
CCFE-11/16-S	.6875	.4375	.437	.375	3/4	5/16	1/4-28	.015	1/8	35	1215	955
CCFE-3/4-S	.750	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CCFE-7/8-S	.875	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CCFE-1-S	1.000	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CCFE-1 1/8-S	1.125	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CCFE-1 1/4-S	1.250	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CCFE-1 3/8-S	1.375	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CCFE-1 1/2-S	1.500	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CCFE-1 5/8-S	1.625	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CCFE-1 3/4-S	1.750	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CCFE-1 7/8-S	1.875	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CCFE-2-S	2.000	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CCFE-2 1/4-S	2.250	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CCFE-2 1/2-S	2.500	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CCFE-2 3/4-S	2.750	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CCFE-3-S	3.000	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	1/4	3450	24910	15720
CCFE-3 1/4-S	3.250	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	1/4	3450	24910	15720
CCFE-3 1/2-S	3.500	2.000	1.375	1.812	2 3/4	1 3/8	1 3/8-12	.060	1/4	4200	31625	22800
CCFE-4-S	4.000	2.250	2.000	2.000	3 1/2	1 1/2	1 1/2-12	.060	1/4	5000	44770	29985

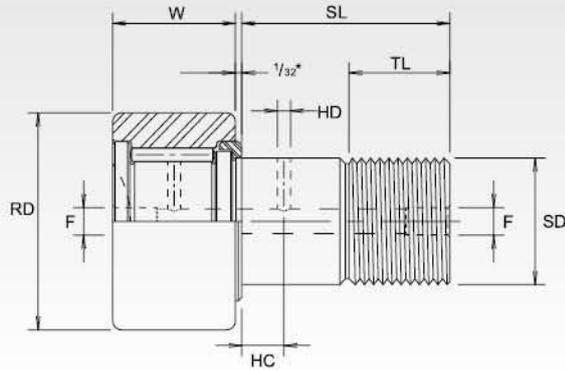
螺栓滚轮轴承 Stud Type Track Rollers



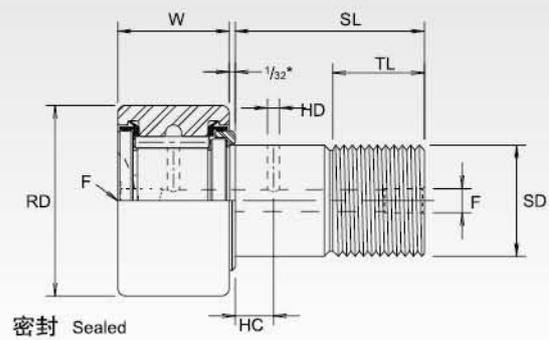
轴承型号 BRG. NO.	外径 ROLLER DIA. (RD) +0.000 -0.001	宽度 ROLLER WIDTH (W) +0.000 -0.005	偏心套 长度 BUSH. L'GTH (G) +0.000 -0.010	偏心套 外径 BUSH. DIA. (BD) ±0.001	轴长 STUD L'GTH. (SL)	最小螺 纹长度 MIN. THR'D L'GTH. (TL)	螺距 FINE THR'DS.	偏心量 ECC.	油嘴 LUB. FIT- TING SIZE (F)	推荐拧紧力矩 RECOM. CLAMPING TORQUE LBS.- IN.	静载 MAX. STATIC CAPACITY LBS.	动载 BASIC DYN. RATING LBS.
CCFE-1/2-N-SB	.500	.344	.250	.250	1/2	1/4	10-32	.010	-	15	720	620
CCFE-1/2-SB	.500	.375	.375	.250	5/8	1/4	10-32	.010	-	15	790	680
CCFE-9/16-SB	.5625	.375	.375	.250	5/8	1/4	10-32	.010	-	15	790	680
CCFE-5/8-SB	.625	.4375	.437	.375	3/4	5/16	1/4-28	.015	-	35	1215	955
CCFE-11/16-SB	.6875	.4375	.437	.375	3/4	5/16	1/4-28	.015	-	35	1215	955
CCFE-3/4-SB	.750	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CCFE-7/8-SB	.875	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CCFE-1-SB	1.000	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CCFE-1 1/8-SB	1.125	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CCFE-1 1/4-SB	1.250	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CCFE-1 3/8-SB	1.375	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CCFE-1 1/2-SB	1.500	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CCFE-1 5/8-SB	1.625	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CCFE-1 3/4-SB	1.750	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CCFE-1 7/8-SB	1.875	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CCFE-2-SB	2.000	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CCFE-2 1/4-SB	2.250	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CCFE-2 1/2-SB	2.500	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CCFE-2 3/4-SB	2.750	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CCFE-3-SB	3.000	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	1/4	3450	24910	15720
CCFE-3 1/4-SB	3.250	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	1/4	3450	24910	15720
CCFE-3 1/2-SB	3.500	2.000	1.375	1.812	2 3/4	1 3/8	1 3/8-12	.060	1/4	4200	31625	22800
CCFE-4-SB	4.000	2.250	2.000	2.000	3 1/2	1 1/2	1 1/2-12	.060	1/4	5000	44770	29985

螺栓滚轮轴承

Stud Type Track Rollers



*1/16" on CFH-5, CFH-6, CFH-7



*1/16" on CFH-5-S, CFH-6-S, CFH-7-S

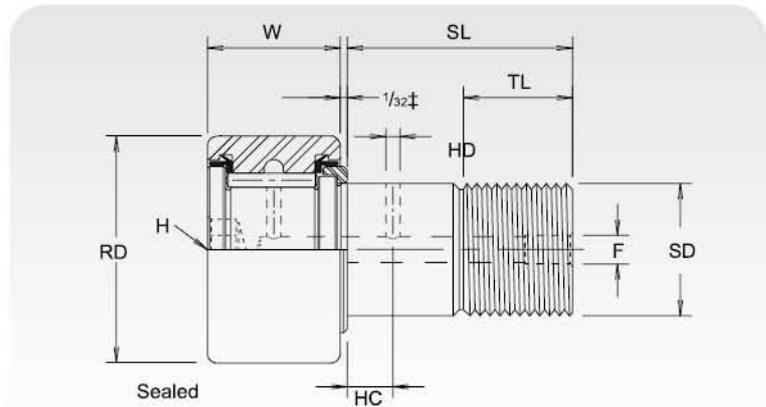
无密封型 UNSEALED BRG. NO.	密封型 SEALED BRG. NO.	外径 ROLLER DIA. (RD) +.000 -.001	宽度 ROLLER WIDTH (W) +.000 -.005	轴径 STUD DIA. (SD) +.001 -.000	轴长 STUD L'GTH. (SL)	最小螺 纹长度 MIN. THR'D L'GTH. (TL)	螺距 FINE THR'DS.	油孔 OIL HOLE		油嘴 LUB. FIT- TING SIZE (F)*	推荐拧紧力矩 RECOM. CLAMPING TORQUE LBS.- IN.	静载 MAX. STATIC CAPACITY LBS.	动载 BASIC DYN. RATING LBS.
								HOLE CENTER (HC)	HOLE DIA. (HD)				
CFH-1/2	CFH-1/2-S	.500	.375	.250	5/8	1/4	1/4-28	-	-	1/8	35	1580	680
CFH-9/16	CFH-9/16-S	.5625	.375	.250	5/8	1/4	1/4-28	-	-	1/8	35	1580	680
CFH-5/8	CFH-5/8-S	.625	.4375	.3125	3/4	5/16	5/16-24	-	-	1/8	90	2480	955
CFH-11/16	CFH-11/16-S	.6875	.4375	.3125	3/4	5/16	5/16-24	-	-	1/8	90	2480	955
CFH-3/4	CFH-3/4-S	.750	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	250	4130	1660
CFH-7/8	CFH-7/8-S	.875	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	250	4130	1660
CFH-1	CFH-1-S	1.000	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	650	6120	2225
CFH-1 1/8	CFH-1 1/8-S	1.125	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	650	6120	2225
CFH-1 1/4	CFH-1 1/4-S	1.250	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	1250	8500	3930
CFH-1 3/8	CFH-1 3/8-S	1.375	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	1250	8500	3930
CFH-1 1/2	CFH-1 1/2-S	1.500	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1500	11280	4840
CFH-1 5/8	CFH-1 5/8-S	1.625	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1500	11280	4840
CFH-1 3/4	CFH-1 3/4-S	1.750	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	2250	15840	6385
CFH-1 7/8	CFH-1 7/8-S	1.875	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	2250	15840	6385
CFH-2	CFH-2-S	2.000	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	2800	21140	8090
CFH-2 1/4	CFH-2 1/4-S	2.250	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	2800	21140	8090
CFH-2 1/2	CFH-2 1/2-S	2.500	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	3450	32900	11720
CFH-2 3/4	CFH-2 3/4-S	2.750	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	3450	32900	11720
CFH-3	CFH-3-S	3.000	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	5000	49820	15720
CFH-3 1/4	CFH-3 1/4-S	3.250	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	5000	49820	15720
CFH-3 1/2	CFH-3 1/2-S	3.500	2.000	1.750	2 3/4	1 3/8	1 3/4-12	11/16	1/8	1/4	5000	63250	22800
CFH-4	CFH-4-S	4.000	2.250	2.000	3 1/2	1 1/2	2-12	3/4	1/8	1/4	5000	89540	29985
	CFH-5-S	5.000	2.750	2.500	5 1/16	2 9/16	2 1/2-12	7/8	3/16	1/4 N.P.T.	5000	135900	46575
	CFH-6-S	6.000	3.250	3.000	6	3	3-12	1	3/16	1/4 N.P.T.	5000	160900	60000
	CFH-7-S	7.000	3.750	3.500	7 11/16	4 1/8	3 1/2-4	1 1/4	3/16	1/4 N.P.T.	5000	213860	75380

With seals
add letter "S"
Ex. CFH-1 3/4-S
带密封加后缀 S

Hex Hole
add letter "B"
Ex. CFH-1 3/4-SB
内六角孔加后缀 B

Crowned O.D.
add letter "C"
Ex. CCFH-1 3/4-S
球面外径加前缀 C

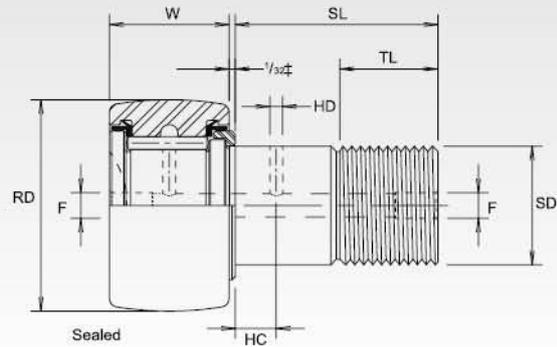
螺栓滚轮轴承 Stud Type Track Rollers



*1/16" on CFH-5-S, CFH-6-S, CFH-7-S

无密封型 UNSEALED BRG. NO.	密封型 SEALED BRG. NO.	外径 ROLLER DIA. (RD) +.000 -.001	宽度 ROLLER WIDTH (W) +.000 -.005	轴径 STUD DIA. (SD) +.001 -.000	轴长 STUD L'GTH. (SL)	最小螺 纹长度 MIN. THR'D L'GTH. (TL)	螺距 FINE THR'DS.	油孔 OIL HOLE		油嘴 LUB. FIT- TING SIZE (F)	推荐拧紧力矩 RECOM. CLAMPING TORQUE LBS.- IN.	静载 MAX. STATIC CAPACITY LBS.	动载 BASIC DYN. RATING LBS.
								油孔 HOLE CENTER (HC)	油孔 HOLE DIA. (HD)				
CFH-1/2-B	CFH-1/2-SB	.500	.375	.250	5/8	1/4	1/4-28	-	-	-	35	1580	680
CFH-9/16-B	CFH-9/16-SB	.5625	.375	.250	5/8	1/4	1/4-28	-	-	-	35	1580	680
CFH-5/8-B	CFH-5/8-SB	.625	.4375	.3125	3/4	5/16	5/16-24	-	-	-	90	2480	955
CFH-11/16-B	CFH-11/16-SB	.6875	.4375	.3125	3/4	5/16	5/16-24	-	-	-	90	2480	955
CFH-3/4-B	CFH-3/4-SB	.750	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	250	4130	1660
CFH-7/8-B	CFH-7/8-SB	.875	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	250	4130	1660
CFH-1-B	CFH-1-SB	1.000	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	650	6120	2225
CFH-1 1/8-B	CFH-1 1/8-SB	1.125	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	650	6120	2225
CFH-1 1/4-B	CFH-1 1/4-SB	1.250	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	1250	8500	3930
CFH-1 3/8-B	CFH-1 3/8-SB	1.375	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	1250	8500	3930
CFH-1 1/2-B	CFH-1 1/2-SB	1.500	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1500	11280	4840
CFH-1 5/8-B	CFH-1 5/8-SB	1.625	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1500	11280	4840
CFH-1 3/4-B	CFH-1 3/4-SB	1.750	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	2250	15840	6385
CFH-1 7/8-B	CFH-1 7/8-SB	1.875	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	2250	15840	6385
CFH-2-B	CFH-2-SB	2.000	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	2800	21140	8090
CFH-2 1/4-B	CFH-2 1/4-SB	2.250	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	2800	21140	8090
CFH-2 1/2-B	CFH-2 1/2-SB	2.500	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	3450	32900	11720
CFH-2 3/4-B	CFH-2 3/4-SB	2.750	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	3450	32900	11720
CFH-3-B	CFH-3-SB	3.000	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	5000	49820	15720
CFH-3 1/4-B	CFH-3 1/4-SB	3.250	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	5000	49820	15720
CFH-3 1/2-B	CFH-3 1/2-SB	3.500	2.000	1.750	2 3/4	1 3/8	1 3/4-12	11/16	1/8	1/4	5000	63250	22800
CFH-4-B	CFH-4-SB	4.000	2.250	2.000	3 1/2	1 1/2	2-12	3/4	1/8	1/4	5000	89540	29985

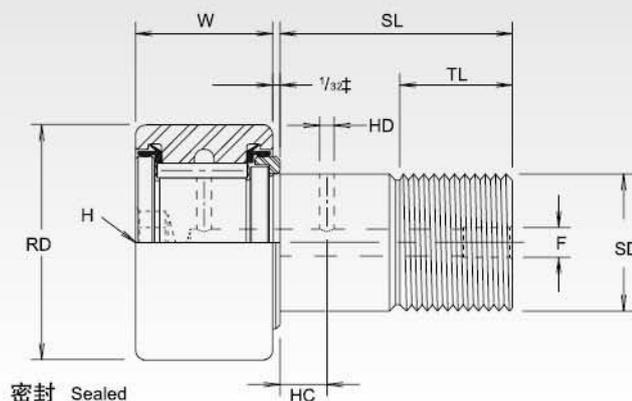
螺栓滚轮轴承 Stud Type Track Rollers



* 1/16" on CCFH-5-S, CCFH-6-S, CCFH-7-S

轴承型号 BRG. NO.	外径 ROLLER DIA. (RD) +.000 -.001	宽度 ROLLER WIDTH (W) +.000 -.005	轴径 STUD DIA. (SD) +.001 -.000	轴长 STUD L'GTH. (SL)	最小螺 纹长度 MIN. THR'D L'GTH. (TL)	螺距 FINE THR'DS.	油孔 OIL HOLE		油嘴 LUB. FIT- TING SIZE (F)	推荐拧紧力矩 RECOM. CLAMPING TORQUE LBS.- IN.	静载 MAX. STATIC CAPACITY LBS.	动载 BASIC DYN. RATING LBS.
							孔中心 (HC)	孔直径 (HD)				
CCFH-1/2-S	.500	.375	.250	5/8	1/4	1/4-28	-	-	1/8	35	1580	680
CCFH-9/16-S	.5625	.375	.250	5/8	1/4	1/4-28	-	-	1/8	35	1580	680
CCFH-5/8-S	.625	.4375	.3125	3/4	5/16	5/16-24	-	-	1/8	90	2480	955
CCFH-11/16-S	.6875	.4375	.3125	3/4	5/16	5/16-24	-	-	1/8	90	2480	955
CCFH-3/4-S	.750	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	250	4130	1660
CCFH-7/8-S	.875	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	250	4130	1660
CCFH-1-S	1.000	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	650	6120	2225
CCFH-1 1/8-S	1.125	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	650	6120	2225
CCFH-1 1/4-S	1.250	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	1250	8500	3930
CCFH-1 3/8-S	1.375	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	1250	8500	3930
CCFH-1 1/2-S	1.500	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1500	11280	4840
CCFH-1 5/8-S	1.625	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1500	11280	4840
CCFH-1 3/4-S	1.750	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	2250	15840	6385
CCFH-1 7/8-S	1.875	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	2250	15840	6385
CCFH-2-S	2.000	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	2800	21140	8090
CCFH-2 1/4-S	2.250	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	2800	21140	8090
CCFH-2 1/2-S	2.500	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	3450	32900	11720
CCFH-2 3/4-S	2.750	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	3450	32900	11720
CCFH-3-S	3.000	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	5000	49820	15720
CCFH-3 1/4-S	3.250	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	5000	49820	15720
CCFH-3 1/2-S	3.500	2.000	1.750	2 3/4	1 3/8	1 3/4-12	11/16	1/8	1/4	5000	63250	22800
CCFH-4-S	4.000	2.250	2.000	3 1/2	1 1/2	2-12	3/4	1/8	1/4	5000	89540	29985
CCFH-5-S	5.000	2.750	2.500	5 1/16	2 9/16	2 1/2-12	7/8	3/16	1/4 N.P.T.	5000	135900	46575
CCFH-6-S	6.000	3.250	3.000	6	3	3-12	1	3/16	1/4 N.P.T.	5000	160900	60000
CCFH-7-S	7.000	3.750	3.500	7 11/16	4 1/8	3 1/2-4	1 1/4	3/16	1/4 N.P.T.	5000	213860	75380

螺栓滚轮轴承 Stud Type Track Rollers



轴承型号 BRG. NO.	外径 ROLLER DIA. (RD) +.000 -.001	宽度 ROLLER WIDTH (W) +.000 -.005	轴径 STUD DIA. (SD) +.001 -.000	轴长 STUD L'GTH. (SL)	最小螺 纹长度 MIN. THR'D L'GTH. (TL)	螺距 FINE THR'DS.	油孔		油嘴 LUB. FIT- TING SIZE (F)	推荐拧紧力矩 RECOM. CLAMPING TORQUE LBS.- IN.	静载 MAX. STATIC CAPACITY LBS.	动载 BASIC DYN. RATING LBS.
							油孔 HOLE CENTER (HC)	油孔 HOLE DIA. (HD)				
CCFH-1/2-SB	.500	.375	.250	5/8	1/4	1/4-28	-	-	-	35	1580	680
CCFH-9/16-SB	.5625	.375	.250	5/8	1/4	1/4-28	-	-	-	35	1580	680
CCFH-5/8-SB	.625	.4375	.3125	3/4	5/16	5/16-24	-	-	-	90	2480	955
CCFH-11/16-SB	.6875	.4375	.3125	3/4	5/16	5/16-24	-	-	-	90	2480	955
CCFH-3/4-SB	.750	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	250	4130	1660
CCFH-7/8-SB	.875	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	250	4130	1660
CCFH-1-SB	1.000	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	650	6120	2225
CCFH-1 1/8-SB	1.125	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	650	6120	2225
CCFH-1 1/4-SB	1.250	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	1250	8500	3930
CCFH-1 3/8-SB	1.375	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	1250	8500	3930
CCFH-1 1/2-SB	1.500	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1500	11280	4840
CCFH-1 5/8-SB	1.625	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1500	11280	4840
CCFH-1 3/4-SB	1.750	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	2250	15840	6385
CCFH-1 7/8-SB	1.875	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	2250	15840	6385
CCFH-2-SB	2.000	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	2800	21140	8090
CCFH-2 1/4-SB	2.250	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	2800	21140	8090
CCFH-2 1/2-SB	2.500	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	3450	32900	11720
CCFH-2 3/4-SB	2.750	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	3450	32900	11720
CCFH-3-SB	3.000	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	5000	49820	15720
CCFH-3 1/4-SB	3.250	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	5000	49820	15720
CCFH-3 1/2-SB	3.500	2.000	1.750	2 3/4	1 3/8	1 3/4-12	11/16	1/8	1/4	5000	63250	22800
CCFH-4-SB	4.000	2.250	2.000	3 1/2	1 1/2	2-12	3/4	1/8	1/4	5000	89540	29985

型号对照表 INTERCHANGEABILITY CHART

TORRINGTON®		RBC		McGILL		SMITH®		INA®	
轻载无密封 STD. STUD UNSEALED	重载无密封 HEAVY STUD UNSEALED								
CR-8				CF-1/2-N					NA
CR-8-1	CRH-8-1	S-16	H-16	CF-1/2	CFH-1/2	CR-1/2-A	HR-1/2	CF-8-1	NA
		S-18	H-18	CF-9/16	CFH-9/16	CR-1/2			NA
CR-10				CF-5/8-N		CR-9/16			NA
CR-10-1	CRH-10-1	S-20	H-20	CF-5/8	CFH-5/8	CR-5/8-A	HR-5/8	CF-10-1	NA
						CR-5/8			NA
		S-22	H-22	CF-11/16	CFH-11/16	CR-11/16			NA
CR-12	CRH-12	S-24	H-24	CF-3/4	CFH-3/4	CR-3/4	HR-3/4	CF-12	NA
CR-14	CRH-14	S-28	H-28	CF-7/8	CFH-7/8	CR-7/8	HR-7/8	CF-14	NA
CR-16	CRH-16	S-32	H-32	CF-1	CFH-1	CR-1	HR-1	CF-16	NA
CR-18	CRH-18	S-36	H-36	CF-1 1/8	CFH-1 1/8	CR-1 1/8	HR-1 1/8	CF-18	NA
CR-20	CRH-20	S-40	H-40	CF-1 1/4	CFH-1 1/4	CR-1 1/4	HR-1 1/4	CF-20	NA
CR-22	CRH-22	S-44	H-44	CF-1 3/8	CFH-1 3/8	CR-1 3/8	HR-1 3/8	CF-22	NA
CR-24	CRH-24	S-48	H-48	CF-1 1/2	CFH-1 1/2	CR-1 1/2	HR-1 1/2	CF-24	NA
CR-26	CRH-26	S-52	H-52	CF-1 5/8	CFH-1 5/8	CR-1 5/8	HR-1 5/8	CF-26	NA
CR-28	CRH-28	S-56	H-56	CF-1 3/4	CFH-1 3/4	CR-1 3/4	HR-1 3/4	CF-28	NA
CR-30	CRH-30	S-60	H-60	CF-1 7/8	CFH-1 7/8	CR-1 7/8	HR-1 7/8	CF-30	NA
CR-32	CRH-32	S-64	H-64	CF-2	CFH-2	CR-2	HR-2	CF-32	NA
CR-36	CRH-36	S-72	H-72	CF-2 1/4	CFH-2 1/4	CR-2 1/4	HR-2 1/4	CF-36	NA
CR-40	CRH-40	S-80	H-80	CF-2 1/2	CFH-2 1/2	CR-2 1/2	HR-2 1/2	CF-40	NA
CR-44	CRH-44	S-88	H-88	CF-2 3/4	CFH-2 3/4	CR-2 3/4	HR-2 3/4	CF-44	NA
CR-48	CRH-48	S-96	H-96	CF-3	CFH-3	CR-3	HR-3	CF-48	NA
CR-52	CRH-52	S-104	H-104	CF-3 1/4	CFH-3 1/4	CR-3 1/4	HR-3 1/4	CF-52	NA
CR-56	CRH-56	S-112	H-112	CF-3 1/2	CFH-3 1/2	CR-3 1/2	HR-3 1/2	CF-56	NA
CR-64	CRH-64	S-128	H-128	CF-4	CFH-4	CR-4	HR-4	CF-64	NA
Sealed CRS...	Sealed CRHS...	Sealed S...L	Sealed H...L	Sealed CF...S	Sealed CFH...S	Sealed CR...X	Sealed HR...X	Sealed CF...PP	Sealed NA

TORRINGTON®		RBC		McGILL		SMITH®		INA®	
无密封 UNSEALED	密封 SEALED								
YCR-12	YCRS-12	Y-24	Y-24-L	CYR-3/4	CYR-3/4-S	YR-3/4	YR-3/4X	RF-12	RF-12-PP
YCR-14	YCRS-14	Y-28	Y-28-L	CYR-7/8	CYR-7/8-S	YR-7/8	YR-7/8X	RF-14	RF-14-PP
YCR-16	YCRS-16	Y-32	Y-32-L	CYR-1	CYR-1-S	YR-1	YR-1X	RF-16	RF-16-PP
YCR-18	YCRS-18	Y-36	Y-36-L	CYR-1 1/8	CYR-1 1/8-S	YR-1 1/8	YR-1 1/8X	RF-18	RF-18-PP
YCR-20	YCRS-20	Y-40	Y-40-L	CYR-1 1/4	CYR-1 1/4-S	YR-1 1/4	YR-1 1/4X	RF-20	RF-20-PP
YCR-22	YCRS-22	Y-44	Y-44-L	CYR-1 3/8	CYR-1 3/8-S	YR-1 3/8	YR-1 3/8X	RF-22	RF-22-PP
YCR-24	YCRS-24	Y-48	Y-48-L	CYR-1 1/2	CYR-1 1/2-S	YR-1 1/2	YR-1 1/2X	RF-24	RF-24-PP
YCR-26	YCRS-26	Y-52	Y-52-L	CYR-1 5/8	CYR-1 5/8-S	YR-1 5/8	YR-1 5/8X	RF-26	RF-26-PP
YCR-28	YCRS-28	Y-56	Y-56-L	CYR-1 3/4	CYR-1 3/4-S	YR-1 3/4	YR-1 3/4X	RF-28	RF-28-PP
YCR-30	YCRS-30	Y-60	Y-60-L	CYR-1 7/8	CYR-1 7/8-S	YR-1 7/8	YR-1 7/8X	RF-30	RF-30-PP
YCR-32	YCRS-32	Y-64	Y-64-L	CYR-2	CYR-2-S	YR-2	YR-2X	RF-32	RF-32-PP
YCR-36	YCRS-36	Y-72	Y-72-L	CYR-2 1/4	CYR-2 1/4-S	YR-2 1/4	YR-2 1/4X	RF-36	RF-36-PP
YCR-40	YCRS-40	Y-80	Y-80-L	CYR-2 1/2	CYR-2 1/2-S	YR-2 1/2	YR-2 1/2X	RF-40	RF-40-PP
YCR-44	YCRS-44	Y-88	Y-88-L	CYR-2 3/4	CYR-2 3/4-S	YR-2 3/4	YR-2 3/4X	RF-44	RF-44-PP
YCR-48	YCRS-48	Y-96	Y-96-L	CYR-3	CYR-3-S	YR-3	YR-3X	RF-48	RF-48-PP
YCR-52	YCRS-52	Y-104	Y-104-L	CYR-3 1/4	CYR-3 1/4-S	YR-3 1/4	YR-3 1/4X	RF-52	RF-52-PP
YCR-56	YCRS-56	Y-112	Y-112-L	CYR-3 1/2	CYR-3 1/2-S	YR-3 1/2	YR-3 1/2X	RF-56	RF-56-PP
YCR-64	YCRS-64	Y-128	Y-128-L	CYR-4	CYR-4-S	YR-4	YR-4X	RF-64	RF-64-PP
	YCRS-80	Y-160	Y-160-L		CYR-5-S		YR-5X		
	YCRS-96	Y-192	Y-192-L		CYR-6-S		YR-6X		
	YCRS-112	Y-224	Y-224-L		CYR-7-S				
					CYR-8-S				
					CYR-9-S				
					CYR-10-S				

内圈用作滚动轴承的滚道，在与滚针轴承配合使用时为普通游隙，并且具有互换性。IR系列内圈均经过热处理并进行精密加工。LR系列内圈均经过热处理和磨削，但端面倒角不磨削。

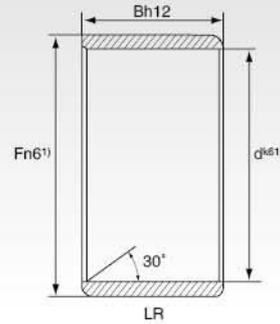
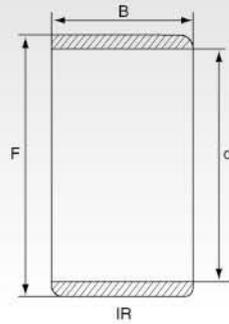
本公司亦可生产普通和高精度的内圈，并生产各类英制系列内圈。



内圈IR、LR Inner Ring IR,LR

The inner ring is used as the rollway of roller bearing. It is the common free gap when it is used in combination with needle roller bearing and has the changeability. Series IR inner ring is machined with precision machining after heat treatment. Series LR inner ring is ground after heat treatment. The chamfer in end face is not ground.

The common and high-precision inner rings can be produced in our company. All inch-system inner rings can be provided.

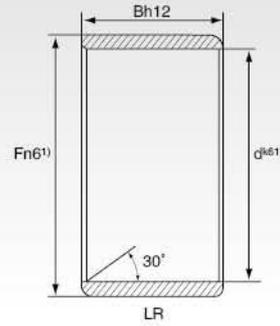
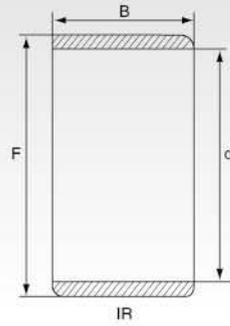


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
5	IR5X8X12	2.79	5	8	12
	IR5X8X16	3.75	5	8	16
6	IR 6X9X12	3.17	6	9	12
	IR 6X9X16	4.3	6	9	16
	IR6X10X10	3.7	6	10	10
	■ IR6X10X12	4.6	6	10	12
7	IR7X10X10.5	3.09	7	10	10.5
	IR7X10X12	3.61	7	10	12
	IR7X10X15.5		7	10	15.5
	IR7X10X16	4.9	7	10	16
7.8	IR06X12X10.5C		7.8	12.2	10.7
8	IR8X12X10	4.8	8	12	10
	IR/LR8X12X10.5	5	8	12	10.5
	IR8X12X12	5.7	8	12	12
	IR/LR8X12X12.5	5.9	8	12	12.5
	IR8X12X15.5		8	12	15.5
	IR8X12X16		8	12	16
	IR8X12X5.5		8	12	5.5
9	IR9X12X7		9	12	7
	IR9X12X12	4.5	9	12	12
	IR9X12X12.5		9	12	12.5
	IR9X12X16	6.1	9	12	16
	IR9X16X16		9	16	16
10	IR10X13X12		10	13	12
	IR/LR10X13X12.5	5.2	10	13	12.5
	IR10X14X10.5		10	14	10.5
	□ IR10X14X12	7.3	10	14	12
	IR10X14X13	7.4	10	14	13
	■ IR10X14X14	8	10	14	14
	IR10X14X16	9.2	10	14	16
	IR10X14X16.5		10	14	16.5
	IR10X14X20	11.6	10	14	20
	IR10X14X20.5		10	14	20.5
	IR10X15X13		10	15	13
	IR10X15X13.5		10	15	13.5
	IR10X15X20.5		10	15	20.5
IR10X15X25.5		10	15	25.5	
14	2R10X16X14		10	16	14

轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
10	IR10X16X15		10	16	15
	IR10X16X16		10	16	16
	IR10X17X15		10	17	15
	IR10X20X20.5		10	20	20.5
	IR10X20X30.5		10	20	30.5
12	IR12X14X15.5		12	14	15.5
	IR12X15X12	5.8	12	15	12
	IR/LR12X15X12.5	6.1	12	15	12.5
	IR12X15X16	8	12	15	16
	IR/LR12X15X16.5	8.1	12	15	16.5
	IR/LR12X15X22.5	11	12	15	22.5
	IR12X15X16.5		12	15	16.5
	IR12X15X16		12	15	16
	IR12X15X19		12	15	19
	IR12X15X22.5		12	15	22.5
	□ IR12X16X12	7.9	12	16	12
	IR12X16X12		12	16	12
	IR12X16X12.5		12	16	12.5
	IR12X16X13	8.7	12	16	13
	■ IR12X16X14	9.5	12	16	14
	IR12X16X14.5		12	16	14.5
	IR12X16X15		12	16	15
	IR12X16X16	11	12	16	16
	■ IR12X16X16		12	16	16
	IR12X16X16.5		12	16	16.5
IR12X16X17		12	16	17	
IR12X16X20	13.5	12	16	20	
IR12X16X20.5		12	16	20.5	
IR12X16X22		12	16	22	
IR12X16X22.5		12	16	22.5	
IR12X16X23.5		12	16	23.5	
IR12X17X15.5		12	17	15.5	
IR12X17X20		12	17	20	
IR12X17X20.5		12	17	20.5	
IR12X17X22.5		12	17	22.5	
IR12X17X25.5		12	17	25.5	
13	IR13X16X20.5		13	16	20.5
14	IR14X16X16		14	16	16
	IR14X17X17	10	14	17	17

□带润滑油孔 ■无润滑油孔, 没有引导倒角
1) 最大直径和最小直径的数学平均值

□With lubrication hole ■With lubrication hole, without lead chamfer on outside diameter
1) Arithmetical mean value from largest and smallest diameter.

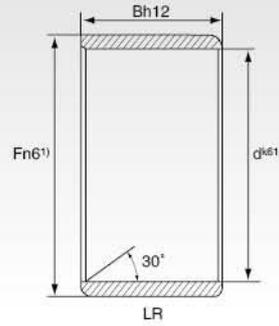
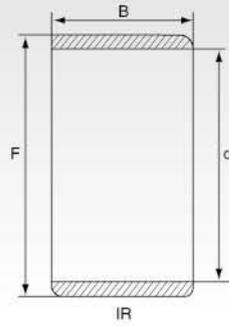


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			
			d	F	B	
			mm			
14	IR14X25X30		14	25	30	
15	IR15X18X12.5	7.2	15	18	12.5	
	IR15X18X15.5		15	18	15.5	
	IR15X18X16	9.6	15	18	16	
	IR15X18X16.5	9.9	15	18	16.5	
	IR15X18X17.5		15	18	17.5	
	IR15X18X20.5		15	18	20.5	
	IR15X19X10		15	19	10	
	IR15X19X13.5		15	19	13.5	
	IR15X19X16	12.8	15	19	16	
	IR15X19X16.5		15	19	16.5	
	IR15X19X20	16.4	15	19	20	
	IR15X19X20.5		15	19	20.5	
	□ IR15X20X12	12.1	15	20	12	
	IR15X20X13	13.5	15	20	13	
	■ IR15X20X14	14.7	15	20	14	
	IR15X20x14孔		15	20	14	
	IR15X20X15		15	20	15	
	IR15X20X15.5		15	20	15.5	
	IR15X20X16		15	20	16	
	IR15X20X18		15	20	18	
	IR15X20X20		15	20	20	
	IR15X20X20.5		15	20	20.5	
	IR15X20X23	24.4	15	20	23	
	IR15X20X25.5		15	20	25.5	
	IR15X20X30.5		15	20	30.5	
	16	IR16X20X14		16	20	14
		IR16X20X16		16	20	16
		IR16X20X20		16	20	20
IR16X20X32			16	20	32	
IR16X24X20			16	24	20	
17	IR17X20X16	10.7	17	20	16	
	IR17X20X16.5	11.1	17	20	16.5	
	IR17X20X20	13.5	17	20	20	
	IR17X20X20.5	13.8	17	20	20.5	
	IR17X20X30		17	20	30	
	IR17X20X30.5	20.6	17	20	30.5	
	IR17X21X16	14.3	17	21	16	
	IR17X21X16.5		17	21	16.5	

□带润滑油孔 ■无润滑油孔, 没有引导倒角
1) 最大直径和最小直径的数学平均值

轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			
			d	F	B	
			mm			
17	IR17X21X20	18	17	21	20	
	IR17X21X20.5		17	21	20.5	
	IR17X22X13	14.9	17	22	13	
	■ IR17X22X 14	16.4	17	22	14	
	IR17X22X 15.5		17	22	15.5	
	IR17X22X16	18.7	17	22	16	
	IR17X22X20.5		17	22	20.5	
	IR17X22X23	27.1	17	22	23	
	IR17X22X26		17	22	26	
	IR17X22X32		17	22	32	
	IR17X22X20	33.6	17	24	20	
	18	IR18X22X17.8		18	22	17.8
		IR18X22X19		18	22	19
20	IR20X24X16	16.5	20	24	16	
	IR20X24X16.5		20	24	16.5	
	IR20X24X28.5		20	24	28.5	
	IR20X25X10.5		20	25	10.5	
	IR20X25X12.5	20	20	25	12.5	
	IR20X25X15.5		20	25	15.5	
	IR20X25X17	22.4	20	25	17	
	IR20X25X18	24.3	20	25	18	
	IR20X25X20	27.5	20	25	20	
	IR20X25X20.5	28.2	20	25	20.5	
	IR20X25X23		20	25	23	
	IR20X25X25		20	25	25	
	IR20X25X25.5		20	25	25.5	
	IR20X25X26		20	25	26	
	IR20X2.5X26.5	36.1	20	25	26.5	
	IR20X25X30	40.9	20	25	30	
	IR20X25X30.5		20	25	30.5	
	IR20X25X32		20	25	32	
22	IR20X25X32A		20	25	32	
	IR20X25X320H		20	25	32	
	IR20X25X38.5	52.5	20	25	38.5	
	IR20X26X16		20	26	16	
	IR20X26X20		20	26	20	
	IR20X28X20	45.2	20	28	20	
	IR20X30X30		20	30	30	
22	IR22X26X20	23.2	22	26	20	

□With lubrication hole ■With lubrication hole, without lead chamfer on outside diameter
1)Arithmetical mean value from largest and smallest diameter.

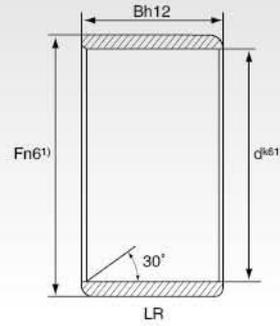
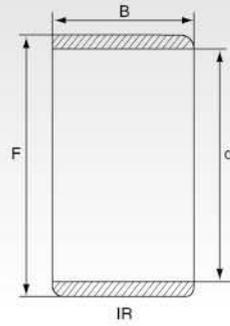


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
22	IR22X26X16	17.5	22	26	16
	IR22X26X20.5		22	26.5	20.5
	IR22X28X17	29.8	22	28	17
	IR22X28X20	35	22	28	20
	IR22X28X20.5	36	22	28	20.5
	IR22X28X30		22	28	30
	IR22X28X30.5		22	28	30.5
	IR22X28X20.5		22	28	20.5
	IR22X28X30		22	28	30
	IR22X31.5X19.8		22	31.5	19.8
IR22X32X20		22	32	20	
25	IR25X29X20	25.5	25	29	20
	IR25X29X20.5		25	29	20.5
	IR25X29X30	39.3	25	29	30
	IR25X29X30.5		25	29	30.5
	IR25X29X40		25	29	40
	IR25X30X12.5		25	30	12.5
	IR25X30X15.5	20	25	30	15.5
	□ IR25X30X16孔	26	25	30	16
	IR25X30X16		25	30	16
	IR25X30X16.5	26.7	25	30	16.5
	IR25X30X16		25	30	16
	■ IR25X30X17	27.5	25	30	17
	IR25X30X18	29.8	25	30	18
	IR25X30X20	32.6	25	30	20
	IR25X30X20.5	33.5	25	30	20.5
	IR25X30X22		25	30	22
	IR25X30X25.5		25	30	25.5
	IR25X30X26		25	30	26
	IR25X30X26.5	43.3	25	30	26.5
	IR25X30X30	50.1	25	30	30
	IR25X30X30.5		25	30	30.5
	IR25X30X32	53	25	30	32
	IR25X30X32.5		25	30	32.5
	IR25X30X38		25	30	38
IR25X30X38.5	63.8	25	30	38.5	
IR25X32X22	51.7	25	30	22	
28	IR28X32X17	24.5	28	32	17
	IR28X32X20	28.4	28	32	20

轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
28	IR28X32X23		28	32	23
	IR28X32X30	43.8	28	32	30
	IR28X32X30.5		28	32	30.5
	IR28X32X47		28	32	47
29	IR29X32X13	14.8	29	32	13
	IR29X35X26		29	35	26
30	IR30X35X12.5	23.3	30	35	12.5
	IR30X35X13	25	30	35	13
	IR30X35X15.5		30	35	15.5
	IR30X35X16	30.8	30	35	16
	IR30X35X17	32.3	30	35	17
	■ IR30X35X18	35.3	30	35	18
	IR30X35X20	40	30	35	20
	IR30X35X20.5	40.7	30	35	20.5
	IR30X35X25.5		30	35	25.5
	IR30X35X26	50.3	30	35	26
	IR30X35X30	58.9	30	35	30
	IR30X35X30.5		30	35	30.5
	IR30X35X32		30	35	32
	IR30X37X18	50	30	37	18
	IR30X37X22	60.8	30	37	22
	IR30X37X22A		30	37	22.1
	□ IR30X38X20	64.8	30	38	20
IR30X38X20A		30	38	20	
IR30X38X20ASI		30	38	20	
IR30X40X17		32	40	17	
32	IR32X34X20.5		32	34	20.5
	IR32X37X20	42	32	37	20
	IR32X37X20.5		32	37	20.5
	IR32X37X30	62.7	32	37	30
	IR32X38X20.5		32	38	20.5
	IR32X38X30.5		32	38	30.5
	IR32X40X20	68	32	40	20
	IR32X40X36	124	32	40	36
	IR32X40X36A1		32	40	36
	33	IR33X37X13	21.9	33	37
34	IR34X42X20		34	42	20
35	IR35X40X12.5	27.2	35	40	12.5
	IR35X40X15		35	40	15

□带润滑油孔 ■无润滑油孔, 没有引导倒角
1) 最大直径和最小直径的数学平均值

□With lubrication hole ■With lubrication hole, without lead chamfer on outside diameter
1) Arithmetical mean value from largest and smallest diameter.

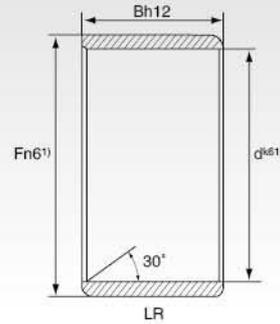
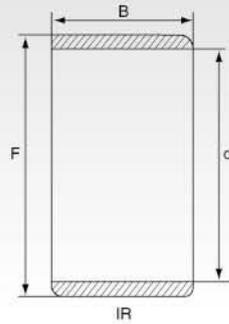


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
35	IR35X40X15.5		35	40	15.5
	IR35X40X16.5	37.4	35	40	16.5
	IR35X40X17	38.3	35	40	17
	IR35X40X20	44.4	35	40	20
	IR35X40X20.5	46.1	35	40	20.5
	IR35X40X21		35	40	21
	IR35X40X25		35	40	25
	IR35X40X25.5		35	40	25.5
	IR35X40X30	67.9	35	40	30
	IR35X40X30.5		35	40	30.5
	IR35X40X34		35	40	34
	IR35X40X40		35	40	40
	□ IR35X42X20	63.9	35	42	20
	IR35X42X20.5	66	35	42	20.5
	■ IR35X42X21	67.7	35	42	21
	■ IR35X42X23	74	35	42	23
	IR35X42X36	117	35	42	36
	IR35X42X37		35	42	37
	IR35X43X22	82	35	43	22
	IR35X65X28		35	65	28
36	IR36.2X50X25.5		36	50	25.5
38	IR38X43X20	48.1	38	43	20
	IR38X43X30	73.6	38	43	30
	IR38X45X46		38	45	46
40	IR40X45X12		40	45	12
	IR40X45X16		40	45	16
	IR40X45X16.5	41.4	40	45	16.5
	IR40X45X17	42.5	40	45	17
	IR40X45X20	50.5	40	45	20
	IR40X45X20.5	52.5	40	45	20.5
	IR40X45X22.5		40	45	22.5
	IR40X45X25		40	45	25
	IR40X45X25.5		40	45	25.5
	IR40X45X30	77.1	40	45	30
	IR40X45X30.5		40	45	30.5
	IR40X45X34		40	45	34
	IR40X45X40		40	45	40
	IR40X45X40.5		40	45	40.5
	IR40X45X40ASI		40	45	40

轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			
			d	F	B	
			mm			
40	IR40X48X22		40	48	22	
	■ IR40X48X23		40	48	23	
	IR40X48X30		40	48	30	
	IR40X48X40		40	48	40	
	IR40X49.5X40		40	49.5	40	
	IR40X50X20.5		40	50	20.5	
	□ IR40X50X20		40	50	20	
	IR40X50X22		40	50	22	
	IR40X50X35		40	50	35	
	IR40X55X17		40	55	17	
	42	IR42X47X20		42	47	20
		IR42X47X30		42	47	30
	44	IR44X52X32		44	52	32
	45	IR45X50X14		45	50	14
IR45X50X15.5			45	50	15.5	
IR45X50X20			45	50	20	
IR45X50X20.5			45	50	20.5	
IR45X50X25			45	50	25	
IR45X50X25.5			45	50	25.5	
IR45X50X26			45	50	26	
IR45X50X30.5			45	50	30.5	
IR45X50X35			45	50	35	
IR45X50X40			45	50	40	
IR45X50X40.5			45	50	40.5	
IR45X50X45.5			45	50	45.5	
IR45X52X22			45	52	22	
■ IR45X52X23			45	52	23	
IR45X52X40		45	52	40		
□ IR45X55X20		45	55	20		
IR45X55X22		45	55	22		
IR45X55X40		45	55	40		
45.2	IR45.2X58X36		42.5	58	36	
47	IR47X60X35		47	60	35	
48	IR48X55X20		48	55	20	
50	IR50X55X17		50	55	17	
	□ IR50X55X20		50	55	20	
	IR50X55X20.5		50	55	20.5	
	IR50X55X25		50	55	25	
	IR50X55X25.5		50	55	25.5	

□带润滑油孔 ■无润滑油孔, 没有引导倒角
1) 最大直径和最小直径的数学平均值

□With lubrication hole ■With lubrication hole, without lead chamfer on outside diameter
1)Arithmetical mean value from largest and smallest diameter.

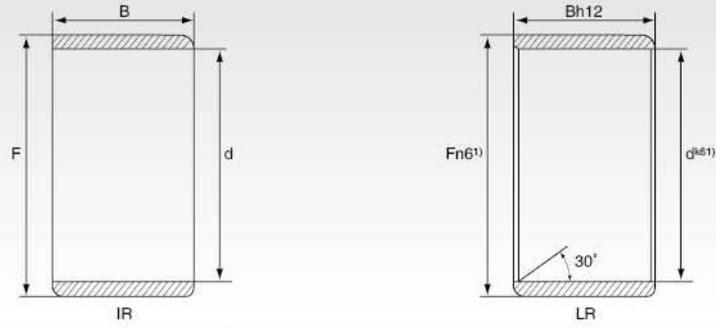


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
50	IR50X55X26		50	55	26
	IR50X55X35	112	50	55	35
	IR50X55X40		50	55	40
	IR50X55X42		50	55	42
	IR50X55X45.5		50	55	45.5
	IR50X55X20		50	55.3	20.3
	IR50X56X21.5		50	56	21.5
	IR50X58X16		50	58	16
	IR50X58X22	115	50	58	22
	■ IR50X58X23	119	50	58	23
	IR50X58X40	209	50	58	40
	□ IR50X60X20	129	50	60	20
	IR50X60X25	163	50	60	25
	IR50X60X25.5		50	60	25.5
	IR50X60X28	183	50	60	28
	IR50X60X50		50	60	50
IR50X60X50.5		50	60	50.5	
51	IR51X63X52		51	63	52
54	IR54X60X25		54	60	25
55	IR55X60X12		55	60	12
	IR55X60X25	86	55	60	25
	IR55X60X32.5EGS		55	60	32.5
	IR55X60X35	121	55	60	35
	IR55X60X36EGS		55	60	36
	IR55X63X25	141	55	63	25
	IR55X63X45	256	55	63	45
	IR55X63X65.25		55	63	65.25
	IR55X65X20		55	65	20
	IR55X65X25		55	65	25
	IR55X65X28	198	55	65	28
	IR55X65X30		55	65	30
	IR55X65X60		55	65	60
	IR55X65X90		55	65	90
IR55X65X110		55	65	110	
60	IR60X68X25	152	60	68	25
	IR60X68X35	213	60	68	35
	IR60X68X45	275	60	68	45
	IR60X70X30		60	70	30
	IR60X70X25	195	60	70	25

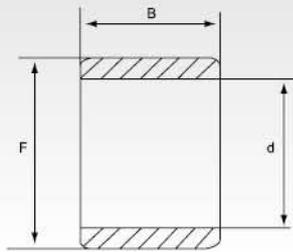
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
60	IR60X70X28	216	60	70	28
	IR60X70X30		60	70	30
	IR60X70X35		60	70	35
	IR60X70X60		60	70	60
	IR60X73X35		60	73	35
65	IR65X72X25	142	65	72	25
	IR65X72X45	259	65	72	45
	IR65X73X25	164	65	73	25
	IR65X75X28	230	65	75	28
IR65X75X30		65	75	30	
70	IR70X80X25	224	70	80	25
	IR70X80X30	267	70	80	30
	IR70X80X54	487	70	80	54
	IR70X80X56	506	70	80	56
	IR70X80X60		70	80	60
IR70X80X80		70	80	80	
73	IR73X80X35		73	80	35
75	IR75X85X35	238	75	85	25
	IR75X85X25	287	75	85	30
	IR75X85X54	520	75	85	54
78	IR78X90X80		78	90	80
80	IR80X90X25	254	80	90	25
	IR80X90X30	304	80	90	30
	IR80X90X35	355	80	90	35
	IR80X90X54	550	80	90	54
	IR80X92X50		80	92	50
	IR85X95X26	280	85	95	26
85	IR85X95X30		85	95	30
	IR85X100X35	580	85	100	35
	IR85X95X36		85	95	36
	IR85X100X63	100	85	100	63
88	IR88X100X30		88	100	30
90	IR90X100X26	294	90	100	26
	IR90X100X30	340	90	100	30
	IR90X105X36	610	90	105	35
	IR90X105X63	1110	90	105	63
IR90X110X35		90	110	35	
95	IR95X105X26	313	95	105	26
130	IR130X150X50	1690	130	150	50

□带润滑油孔 ■无润滑油孔, 没有引导倒角
1) 最大直径和最小直径的数学平均值

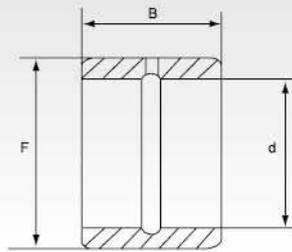
□With lubrication hole ■With lubrication hole, without lead chamfer on outside diameter
1)Arithmetical mean value from largest and smallest diameter.



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
130	IR130X150X60		130	150	60
140	IR140X150X40	1800	140	150	40
	IR140X160X50		140	160	50
150	IR140X160X50A	1120	140	160	50
	IR150X165X40		150	165	40
	IR150X165X50		150	165	50
160	IR150X170X60	1200	150	170	60
	IR160X175X70		160	175	70
170	IR170X180X45		170	180	45
	IR170X185X45		170	185	45
220	IR220X240X50		220	240	50



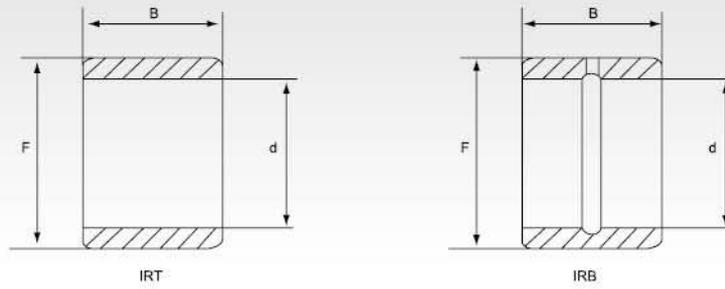
IRT



IRB

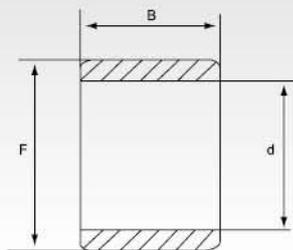
轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
6	IRT6912		6	9	12
	IRT61912		6	19	12
	IRT61916		6	19	16
7	IRT710	3.2	7	10	10.5
	IRT712	3.9	7	10	12.5
	IRT715	4.8	7	10	15.5
8	IRT81011		8	10	11
	IRT81210		8	12	10
	IRT81212		8	12	12
	IRT81215		8	12	15
9	IRT815	7.5	8	12	15.5
	IRT91211		9	12	11
	IRT91212		9	12	12
	IRT91216		9	12	16
10	IRT101312		10	13	12
	IRT1012-2	7.2	10	14	12.5
	IRT101416		10	14	16
	IRT101420		10	14	20
	IRT101515		10	15	15
	IRT1015-1	11.7	10	15	15.5
	IRT101520		10	15	20
12	IRT101525		10	15	25
	IRT121512		12	15	12
	IRT121516.5	8.1	12	15	16.5
	IRT121522		12	15	22
	IRT121612		12	16	12
	IRT1212-1	8.5	12	16	12.5
	IRT1216-1	11.2	12	16	16.5
	IRT121620		12	16	20
15	IRT121622		12	16	22
	IRT121715		12	17	15
	IRT15815		15	18	15
	IRT1516	9.9	15	18	16.5
	IRT151820		15	18	20
	IRT151825		15	18	25
	IRT151910		15	19	10
	IRT151916		15	19	16
15	IRT151920		15	19	20
	IRT152012		15	20	12

轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions			
			d	F	B	
			mm			
15	IRT152013		15	20	13	
	IRT152015		15	20	15	
	IRT152018		15	20	18	
	IRT152020		15	20	20	
	IRT15202		15	20	23	
	IRT152025		15	20	35	
	IRT152030		15	20	30	
16	IRT162220		16	22	20	
	IRT172020		17	20	20	
17	IRT1720	13.7	17	20	20.5	
	IRT172030		17	20	30	
	IRT1730	20.5	17	20	30.5	
	IRT172116		17	21	16	
	IRT1716-1	15.1	17	21	16.5	
	IRT172120		17	21	20	
	IRT1720-1	18.8	17	21	20.5	
	IRT172213		17	22	13	
	IRT172215		17	22	15	
	IRT1715-2	18.3	17	22	15.5	
	IRT1716-2	19.4	17	22	16.5	
	IRT172228		17	22	28	
	IRT172220		17	22	20	
	IRT1720-2	24	17	22	20.5	
	IRT172223		17	22	23	
	IRT172225		17	22	25	
	IRT1725-2	30	17	22	25.5	
IRT172230		17	22	30		
18	IRT1730-2	36	17	22	30.5	
	IRT172232		17	22	32	
	IRT172413		17	24	13	
	IRT172420		17	24	20	
	IRT182213		18	22	13	
	IRT182220		18	22	20	
	20	IRT202416		20	24	16
		IRT2016	17.5	20	24	16.5
IRT202420			20	24	20	
IRT2020		22	20	24	20.5	
IRT2028		3.5	20	24	28.5	
IRT2010-1	14.3	20	25	10.5		

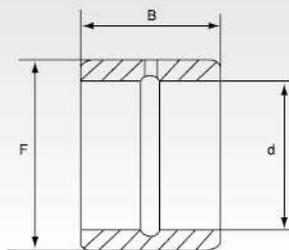


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
20	IRT2015-1	21	20	25	15.5
	IRT202516		20	25	16
	IRT202517		20	25	17
	IRT202520	28	20	25	20
	IRT2020-1		20	25	20.5
	IRT202523		20	25	23
	IRT202525		20	25	25
	IRT2025-1	34.5	20	25	25.5
	IRT2026-1	36	20	25	26.5
	IRT202530		20	25	30
	IRT2030-1	41.5	20	25	30.5
	IRT2038-1	52.5	20	25	38.5
	IRT202820		20	28	20
22	IRT222616		22	26	16
	IRT2216	19.1	22	26	16.5
	IRT222620		22	26	20
	IRT2220	24	22	26	20.5
	IRT222817		22	28	17
	IRT222820		22	28	20
	IRT2220-1	37	22	28	20.5
	IRT222823		22	28	23
	IRT222830		22	28	30
	IRT2230-1	55.5	24	28	30.5
23	IRT242813		23	28	13
	IRT242826		23	28	26
25	IRT252920		25	29	20
	IRT2520	26.5	25	29	20.5
	IRT252930		25	29	30
	IRT2530	40	25	29	30.5
	IRT253015		25	30	15
	IRT2515-1	25.5	25	30	15.5
	IRT253017		25	30	17
	IRT253020		25	30	20
	IRT2520-1	34	25	30	20.5
	IRT253023		25	30	23
	IRT253025		25	30	25
	IRT2525-1	42.5	25	30	25.5
	IRT2526-1	44	25	30	26.5
	IRT253030		25	30	30

轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
25	IRT2530-1	50.5	25	30	30.5
	IRT253032		25	30	32
	IRT253038		25	30	38
	IRT2538-1	64	25	30	38.5
	IRT253222		25	32	22
	IRT253230		25	32	30
	26	IRT263013		26	30
IRT263026			26	30	26
IRT263512			26	35	12
28	IRT283217		28	32	17
	IRT283220		28	32	20
	IRT2820	29.5	28	32	20.5
	IRT283230		28	32	30
	IRT2830	44	28	32	30.5
30	IRT283820		28	38	20
	IRT3012	24.5	30	35	12.5
	IRT3015	30.5	30	35	15.5
	IRT303517		30	35	17
	IRT303520		30	35	20
	IRT3020	40	30	35	20.5
	IRT303523		30	35	23
	IRT303525		30	35	25
	IRT3025	50	30	35	25.5
	IRT303530		30	35	30
32	IRT3030	60	30	35	30.5
	IRT303722		30	35	22
	IRT304216		30	42	16
	IRT323720		32	37	20
	IRT3220	42.5	32	37	20.5
	IRT333730		32	37	30
	IRT3230	63.5	32	37	30.5
	IRT323732		32	37	32
	IRT323815		32	38	15
	IRT3215-1	39.5	32	38	15.5
32	IRT3220-1	52	32	38	20.5
	IRT3225-1	64.5	32	38	25.5
	IRT323825		32	38	25
	IRT3230-1	77.5	32	38	30.5
	IRT323845		32	38	45



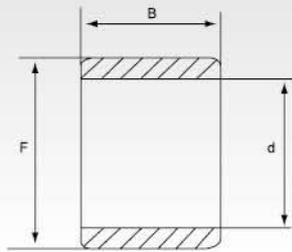
IRT



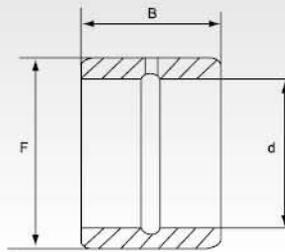
IRB

轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
32	IRT3245-1	115	32	38	45.5
	IRT324015		32	40	15
	IRT324020		32	40	20
	IRT324027		32	40	27
	IRT324030		32	40	30
35	IRT354015		35	40	15
	IRT354020		35	40	20
	IRT3520	46.5	35	40	20.5
	IRT354025		35	40	25
	IRT3525	58	35	40	25.5
	IRT351030		35	40	30
	IRT354034		35	40	34
	IRT354040		35	40	40
	IRT354040.5	91.5	35	40	40.5
	IRT354220		35	42	20
	IRT354223		35	42	23
	IRT354227		35	42	27
	IRT54230		35	42	30
	IRT354236		35	42	36
	IRT354322		35	43	22
37	IRT374232		37	42	32
38	IRT384320		38	43	20
	IRT384330		38	43	30
40	IRT404517		40	45	17
	IRT404520		40	45	20
	IRT4020	52.5	40	45	20.5
	IRT404525		40	45	25
	IRT4025	65.5	40	45	25.5
	IRT404530		40	45	30
	IRT4030	78.5	40	45	30.5
	IRT404540		40	45	40
	IRT40X45X40.5	104	40	45	40.5
	IRT404822		40	48	22
	IRT404830		40	48	30
	IRT404840		40	48	40
	IRT405022		40	50	22
	IRT405030		40	50	30
	IRT405040		40	50	40
42	IRT424720		42	47	20

轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
42	IRT424730		42	47	30
	IRT424830		42	48	30
45	IRT4512	36	45	50	12.5
	IRT4515	44.5	45	50	15.5
	IRT455020		45	50	20
	IRT4520	59	45	50	20.5
	IRT455025		45	50	25
	IRT4525	73	45	50	25.5
	IRT455030		45	50	30
	IRT4530	87.5	45	50	30.5
	IRT455035		45	50	35
	IRT4540	116	45	50	40.5
	IRT4545	131	45	50	45.5
	IRT455222		45	52	22
	IRT455240		45	52	40
	IRT455522		45	55	22
	IRT455540		45	55	40
48	IRT485540		48	55	40
50	IRT505520		50	55	20
	IRT5020-1	65	50	55	20.5
	IRT505525		50	55	25
	IRT5025-1	81	50	55	25.5
	IRT505530		50	55	30
	IRT5030-1	96.5	50	55	30.5
	IRT505535		50	55	35
	IRT505540		50	55	40
	IRT5040-1	128	50	55	40.5
	IRT505545		50	55	45
	IRT5045-1	144	50	55	45.5
	IRT505550		50	55	50
	IRT5050-1	160	50	55	50.5
	IRT505822		50	58	22
	IRT505830		50	58	30
	IRT505840		50	58	40
	IRT505845		50	58	45
	IRT506025		50	60	25
	IRT5025	169	50	60	25.5
	IRT506028		50	60	28
IRT506030		50	60	30	



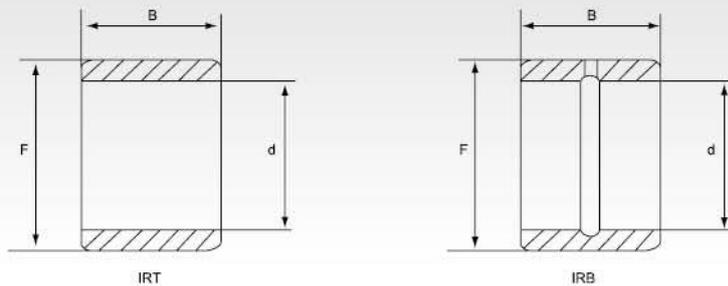
IRT



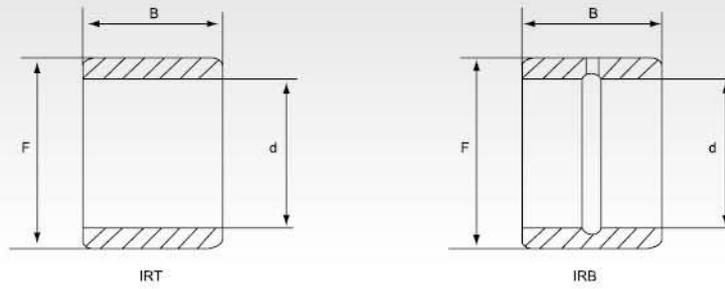
IRB

轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
50	IRT5030	205	50	60	30.5
	IRT506040		50	60	40
	IRT5040	270	50	60	40.5
	IRT506045		50	60	45
	IRT506050		50	60	50
54	IRT546345		54	63	45
55	IRT556025		55	60	25
	IRT556030		55	60	30
	IRT556035		55	60	35
	IRT556238		55	62	38
	IRT556325		55	63	25
	IRT556345		55	63	45
	IRT556525		55	65	25
	IRT556528		55	65	28
	IRT556530		55	65	30
	IRT556545		55	65	45
	IRT556550		55	65	50
	IRT556560		55	65	60
60	IRT606825		60	68	25
	IRT606834		60	68	34
	IRT606835		60	68	35
	IRT606845		60	68	45
	IRT607025		60	70	25
	IRT607028		60	70	28
	IRT607030		60	70	30
	IRT607040		60	70	40
	IRT607045		60	70	45
	IRT607050		60	70	50
	IRT607060		60	70	60
65	IRT657225		65	72	25
	IRT657235		65	72	35
	IRT657325		65	73	25
	IRT657335		65	73	35
	IRT657528		65	75	28
	IRT657530		65	75	30
75	IRT757535		75	75	35
	IRT757560		75	75	60
70	IRT708025		70	80	25
	IRT708030		70	80	30

轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions		
			d	F	B
			mm		
70	IRT708035		70	80	35
	IRT708040		70	80	40
	IRT708050		70	80	50
	IRT708054		70	80	54
	IRT708060		70	80	60
	IRT758345		75	83	45
75	IRT758525		75	85	25
	IRT758530		75	85	30
	IRT758535		75	85	35
	IRT758554		75	85	54
	IRT759032		75	90	32
	IRT809025		80	90	25
80	IRT809030		80	90	30
	IRT809035		80	90	35
	IRT809040		80	90	40
	IRT809054		80	90	54
	IRT859526		85	95	26
85	IRT859536		85	95	36
	IRT859545		85	95	45
	IRT8510035		85	100	35
90	IRT9010026		90	100	26
英制					
9.525	IRB68		9.525	14.288	12.95
12.7	IRB812		12.7	17.462	19.3
	IRB812-1		12.7	19.05	19.3
15.875	IRB1012		15.875	22.225	19.3
20	IRB121616		20	25.4	25.65
22.225	IRB1416		22.225	28.575	25.65
28.575	IRB1820		28.575	34.925	32
31.75	IRB2020		31.75	38.1	32



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx	外形尺寸 Boundary Dimensions		
			d	F	B
		g	mm		
8	LRT 81212.5		8	12	12.5
	LRT 81210		8	12	10
	LRT 8128		8	12	8
9	LRT 91212		9	12	12
10	LRT 101413		10	14	13
12	LRT 121616		12	16	16
15	LRT 151916		15	19	16
17	LRT 172016		17	20	16
	LRT 172116		17	21	16
20	LRT 202416		20	24	16
	LRT 202517		20	25	17
	LRT 202525		20	25	25
	LRT 202526.5		20	25	26.5
25	LRT 252920		25	29	20
	LRT 252930		25	29	30
30	LRT 303517		30	35	17
	LRT 303520		30	35	20
32	LRT 323720		32	37	20
	LRT 324020		32	40	20
	LRT 324036		32	40	36
35	LRT 354020		35	40	20
	LRT 354030		35	40	30
40	LRT 404520		40	45	20
	LRT 404530		40	45	30
	LRT 404820		40	48	20
	LRT 404840		40	48	40
50	LRT 505525		50	55	25
	LRT 506025.5		50	60	25.5
54	LRT 546025		54	60	25
55	LRT 556025		55	60	25
	LRT 556525		55	65	25
60	LRT 606825		60	68	25
	LRT 606845		60	68	45
65	LRT 657335		65	73	35
	LRT 657445		65	74	45
75	LRT 758525		75	85	25
80	LRT 809054		80	90	54



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation	重量 Mass 近似 Approx g	外形尺寸 Boundary Dimensions				
			d		F		B
			in	mm	in	mm	mm
9.525 (3/8)	LRB 61012	18.5	3/8	9.525	3/8	15.875	19.300
12.700(1/2)	LRB 81212	23.5	1/2	12.700	3/4	19.050	19.300
	LRB 81216	31	1/2	12.700	3/4	19.050	25.650
15.875(5/8)	LRB101412	28	5/8	15.875	7/8	22.225	19.300
	LRB101416	37.5	5/8	15.875	7/8	22.225	25.650
19.050(3/4)	LRB121612	33	3/4	19.050	1	25.400	19.300
	LRB121616	44	3/4	19.050	1	25.400	25.650
22.225(7/8)	LRB141816	50	7/8	22.225	11/8	28.575	25.650
	LRB141820	62	7/8	22.225	11/8	28.575	32.000
25.400(1)	LRB162016	56	1	25.4	11/4	31.750	25.650
	LRB162020	72	1	25.4	11/4	31.750	32.000
28.575(11/8)	LRB182216	63	11/8	28.575	13/8	34.925	25.650
	LRB182220	77	11/8	28.575	13/8	34.925	32.000
31.750(11/4)	LRB 202406	71	11/4	31.750	11/2	38.100	25.650
	LRB 202420	86	11/4	31.750	11/2	38.100	32.000
34.925(13/8)	LRB 222616	77	13/8	34.925	11/2	41.275	25.650
	LRB 222620	96	13/8	34.925	15/8	41.275	32.000
38.100(11/2)	LRB 242816	80	11/2	38.100	15/8	44.450	25.650
	LRB 242820	100	11/2	38.10	13/4	44.450	32.000
	LRB 243020	155	11/2	38.100	13/4	47.625	32.000
41.275(15/8)	LRB 263212	135	15/8	41.275	2	50.800	25.650
	LRB 263220	170	15/8	41.275	2	50.800	32.000
44.450(13/4)	LRB 283624	300	13/4	44.450	21/4	57.450	38.350
	LRB 283628	345	13/4	44.450	21/4	57.450	44.700
50.800(2)	LRB 324024	335	2	50.800	21/2	63.500	38.350
	LRB 324028	390	2	50.800	21/2	63.500	44.700
57.150(21/4)	LRB 364424	375	21/4	57.150	23/4	69.850	38.350
	LRB 364428	440	21/4	57.150	23/4	69.850	44.700
63.500(21/2)	LRB 404824	410	21/2	63.500	3	76.500	38.350
	LRB 404828	480	21/2	63.500	3	76.500	44.700
69.850(23/4)	LRB 445228	530	23/4	69.850	31/4	82.550	44.700
	LRB 445232	600	23/4	69.850	31/4	82.550	51.050
76.200 (3)	LRB 485632	640	3	76.200	31/2	88.900	51.050
82.550 (31/4)	LRB 526032	690	31/4	82.550	33/4	95.250	51.050
88.900 (31/2)	LRB 566432	750	31/2	88.900	4	101.600	51.050

组合式滚针轴承

Combined Needle Roller Bearing

带内圈或不带内圈

With The Inner Ring or Without Inner Ring

带内圈或不带内圈的组合式滚针轴承

- 是向心滚针轴承与一个推力轴承部件的组合
- 为单向或双向轴承。

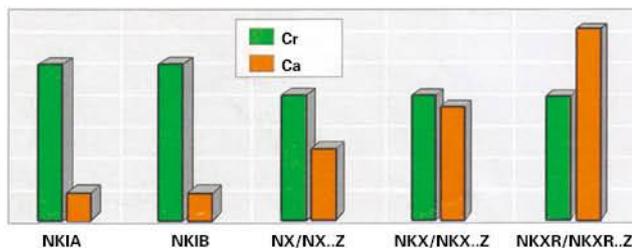
不带内圈的组合式滚针轴承

- 设定用淬硬并磨削的轴作为滚道。

带内圈的组合式滚针轴承

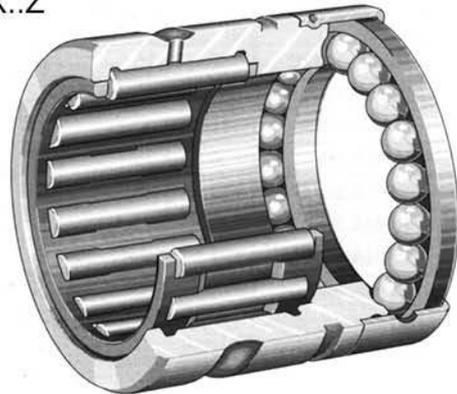
- 用于轴不能用作滚动轴承滚道的应用场合。

径向和轴向额定动载荷承载能力



不带内圈的组合式滚针轴承

NX
NX..Z



滚针 / 推力满装球轴承

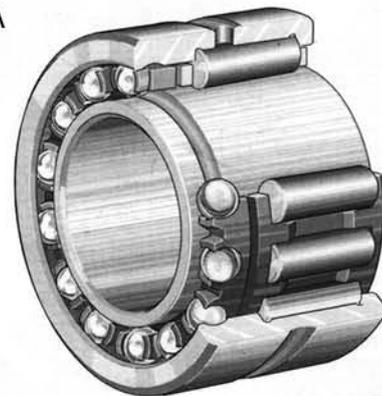
NX: 适用油润滑, 端盖带润滑油孔

NX..Z: 适用脂润滑, 推力部件采用初始脂润滑, 端盖不带润滑油孔

适用于轴径7 ~ 35mm

带内圈的组合式滚针轴承

NKIA

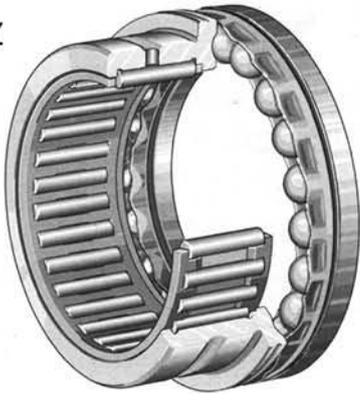


按照DIN 5429-2规定的滚针 / 角接触球轴承

受推力球塑料保持架的限制最高运转温度 $\pm 120^{\circ}\text{C}$

适用于轴径12 ~ 70mm

NKX
NKX..Z



滚针 / 推力球轴承

NKX: (NAXK按DIN 5429-1), 适用油润滑
NKX..Z: (NAXK..Z按DIN 5429-1), 适用脂润滑,
推力部件采用初始脂润滑, 带端盖
适用于轴径10-70mm

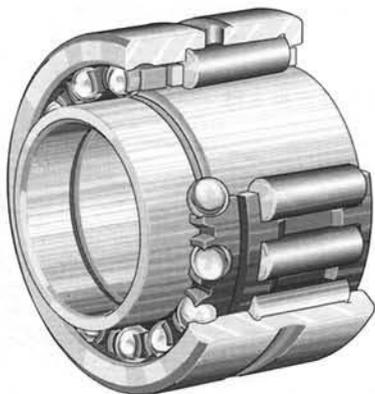
NKXR
NKXR..Z



滚针 / 推力圆柱滚子轴承

NKXR: (NAXR按DIN 5429-1), 适用油润滑
NKXR..Z: (NAXR..Z按DIN5429-1), 适用脂润滑,
推力部件采用初始脂润滑, 带端盖
受塑料保持架的限制最高运转温度+120°C
适用于轴径15~50mm

NKIB



滚针 / 推力角接触球轴承

带两个分离式内圈
受推力球塑料保持架的限制最高运转温度+120°C
适用于轴径12-70mm

组合式滚针轴承

带内圈或不带内圈

Combined Needle Roller Bearing

With The Inner Ring or Without Inner Ring

设计和安全指南

- 见表1轴和轴承座设计。
- 带塑料保持架的轴承在连续工作时不得超过容许运转温度+120°C

NKIA系列

- 轴向载荷不能超过径向载荷的25%。
- 轴向静载荷安全系数 S_0 应大于1.5。
- 两套轴承必须相互对置安装以支承方向交变的轴向载荷(见图1)。

NKIB系列

- 轴向载荷不能超过径向载荷的25%。
- 轴向静载荷安全系数 S_0 应大于1.5
- 轴承容许0.08 ~ 0.25mm的轴向移动。
- 窄内圈部件有较大的孔径。若采用K6级轴公差，结果即为压配合。
- 两个内圈部件须轴向夹紧在一起。

NX, NX..Z, NKX, NKX..Z, NKXR, NKXR..Z系列

- 对于不带内圈的组合式滚针轴承，轴必须设计成可用作滚动轴承滚道，或者必须使用IR或LR系列内圈(参见内圈一节，第81页)。

■ 轴承必须相互对置安装以支承方向交变的轴向载荷。无载荷的轴承轴向应用例

- 如附加弹簧施加预载荷，从而补偿热膨胀。
- 推力轴承部件必须施加达轴向基本额定静载荷 C_0 的1%的预载荷。
- 为了避免NKX和NKXR轴承的双重配合，推力轴承部件在轴承座中应是自由的(外径至少 D_1 或 $D_2+0.5$)。

NX, NX..Z系列

- 为了承受轴向力，轴承应用：
 - 装在外圈槽中的止动环例如WR或SW或
 - 轴承座台肩支撑(见图2)。
- 若要保持轴心距为最小尺寸，就应增大止动环的间隙(见图3)

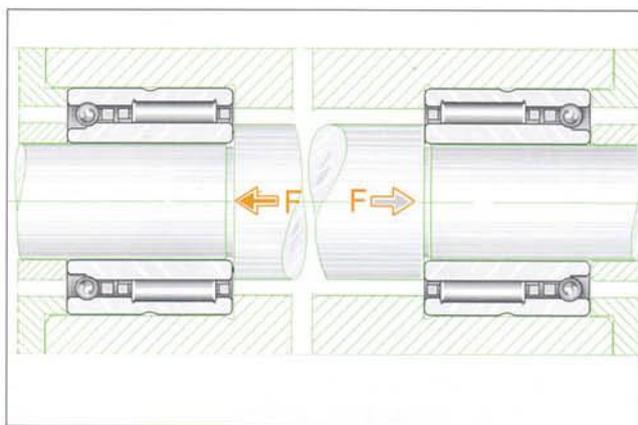


图1 对置轴承

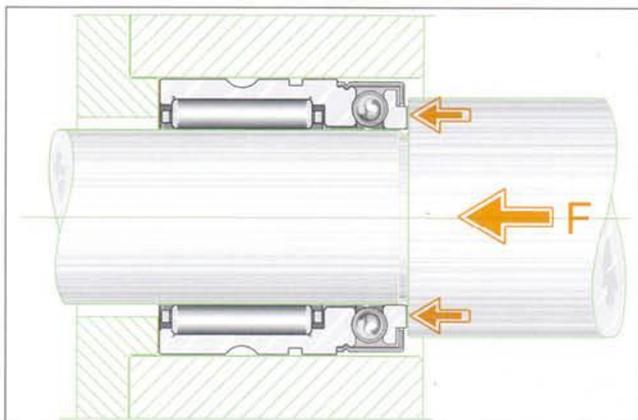


图2 用轴承坐台肩支撑

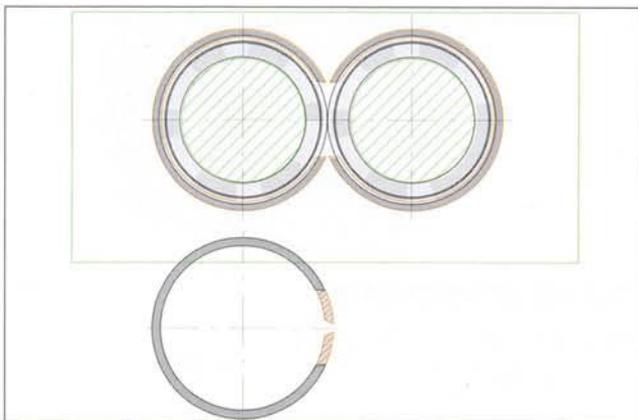


图3 以最小轴距安装：增大的止动环间隙

脂润滑和再润滑间隔时间

■ 带后缀Z的轴承的推力部件已填入DIN 51825-KP2N-25规定的锂基复合皂润滑脂。

■ 在轴承投入运行之前向心部件应用可与推力部件相容的及类似质量的脂润滑。

■ 推力和向心部件的再润滑间隔时间应分别计算，以其较短的值作为再润滑间隔时间

精度

几何和尺寸公差按照DIN 620规定的公差级PN确定，但以下除外：

- NKIB系列，内圈内径 d_1 及内圈宽度(-0.3mm)
- MKX, NKXR系列，直径 D_1 和 D_2

带内圈的轴承具有CN径向内部游隙。

内接圆直径 F_w 的尺寸是无内圈轴承径向内部游隙的决定因素。内接圆直径是由无游隙排列在外滚道上的一组滚针所形成的极限内接圆。安装之前内接圆直径 F_w 在公差带F6内。

订货举例和订货代号

脂润滑带端盖的滚针/推力球轴承
轴 20mm

订货代号：NKX 20Z(见图4)

表1 轴和轴承座设计

系列	轴承座孔公差	轴公差	
		不带内圈	带内圈
NKIA, NKIB	M6	-	k6
NX, NKX, NKXR	K6, M6刚性轴承配置	k6	k6
粗糙度max		Ra0.2(R_z1)	-
圆度max	IT5 / 2	k6的25%	IT 4/2
平行度max	IT5	k6的50%	IT 4



对NKIA和NKIB轴承，由于功能原因，轴公差不应大于K6，轴承座公差不应小于M6。

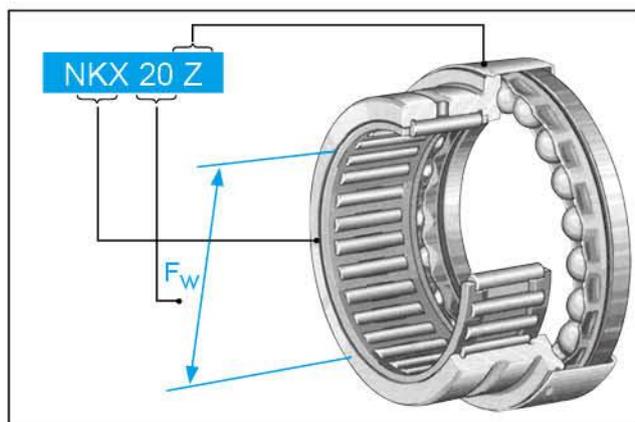
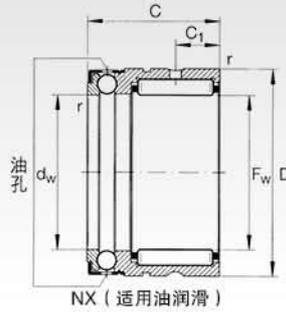


图4 订货举例，订货代号

NX
NX..Z系列



轴径 Shaft Diameter (mm)	代号			外形尺寸 Boundary Dimensions						基本额定载荷 Basic Load Rating			
	适用油润滑	适用脂润滑	质量 ≈ g	Fw	D	C ±0.25	C1	dw E8	r min.	径向 动 C kN	静 Co kN	轴向 ¹⁾ 动 C kN	静 Co kN
7	NX 7 TN	NX 7ZTN	14	7	14	18	4.7	7	0.3	2.85	2.65	3.15	4.3
10	NX 10	NX 10Z	25	10	19	18	4.7	10	0.3	4.45	3.7	4.6	7.2
12	NX 12	NX 12Z	28	12	21	18	4.7	12	0.3	4.8	4.3	4.85	8.2
15	NX 15	NX 15Z	48	15	24	28	8	15	0.3	10.7	12.7	5.6	10.4
17	NX 17	NX 17Z	53	17	26	28	8	17	0.3	11.9	15	5.8	11.5
20	NX 20	NX 20Z	68	20	30	28	8	20	0.3	13	17.5	7	14.7
25	NX 25	NX 25Z	115	25	37	30	8	25	0.3	14.9	22.4	11.1	24.3
30	NX 30	NX 30Z	130	30	42	30	10	30	0.3	22.6	36	11.7	28
35	NX 35	NX 35Z	160	35	47	30	10	35	0.3	24.3	41.5	12.4	32.5

TN=塑料保持架，容许运转温度：+120°C(连续工作)。

一端带固定盖。

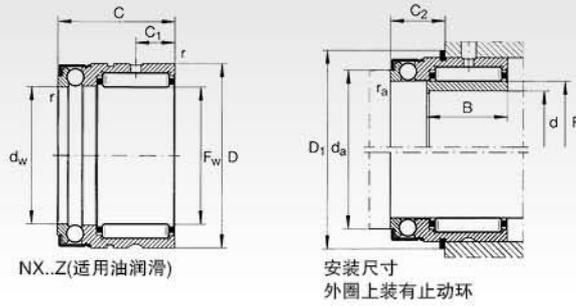
1)推力部件必须施加达轴向基本额定静载荷Co的1%的预载荷。

2)油润滑极限转速。

若用脂润滑，可容许表中所给值的60%。

3)内圈须单独订货，有关其进一步的详细情况参见内圈一节，第119页。

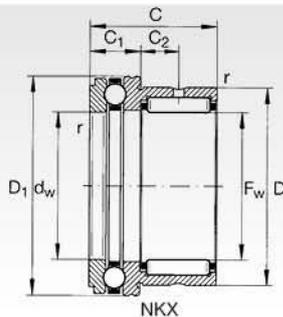
4)止动环WR和SW须单独订货。



疲劳载荷		极限转速 ²⁾ n_G r/min	安装尺寸 Mounting Dimensions				推荐的内圈 ³⁾ 代号 d F B	适用的止动环 ⁴⁾	轴径
径向 P_u kN	轴向 P_u kN		C2 -0.5	D1	da	ra max.			
0.32	0.159	15 000	10	16.5	9.6	0.3	-	WR 14, SW 14	7
0.52	0.265	11 000	10	21.9	14.6	0.3	IR 6x10x10	WR 19, SW 19	10
0.61	0.305	9 500	10	23.7	16.6	0.3	IR 8x12x10	WR 21, SW 21	12
1.76	0.385	8 000	12.2	26.5	19	0.3	IR 12x15x16	WR 24, SW 24	15
2.08	0.425	7 500	12.2	28.5	21	0.3	IR 14x17x17	WR 26, SW 26	17
2.43	0.54	6 500	12.2	33.6	25	0.3	IR 17 x20x16	WR 30, SW 30	20
31	0.9	4 900	14.2	40.4	31.6	0.3	IR 20x25x16	WR 37, SW 37	25
4.65	1.04	4 300	14.2	45.1	36.5	0.3	IR 25x30x20	WR 42, SW 42	30
5.4	1.2	3 700	14.2	50.1	40.5	0.3	IR 30x35x20	WR 47, SW 47	35

带固定盖或不带固定盖

NKX
NKX..Z系列



轴径 Shaft Diameter (mm)	代号	按 DIN 5429 规定代号	质量 ≈ g	带固定盖 的轴承	按 DIN 5429 规定代号	质量 ≈ g	外形尺寸 Boundary Dimensions								
							Fw	D	D1 max.	D2 max.	C -0.25	C1 -0.2	C2	dw E8	r min.
10	NKX 10 TN	NAXK 10 TN	34	NKX 10 Z TN	NAXK 10 Z TN	36	10	19	24.1	25.2	23	9	6.5	10	0.3
12	NKX 12	NAXK 12	38	NKX 12 Z	NAXK 12 Z	40	12	21	26.1	27.2	23	9	6.5	12	0.3
15	NKX 15	NAXK 15	44	NKX 15 Z	NAXK 15 Z	47	15	24	28.1	29.2	23	9	6.5	15	0.3
17	NKX 17	NAXK 17	53	NKX 17 Z	NAXK 17 Z	55	17	26	30.1	31.2	25	9	8	17	0.3
20	NKX 20	NAXK 20	83	NKX 20 Z	NAXK 20 Z	90	20	30	35.1	36.2	30	10	10.5	20	0.3
25	NKX 25	NAXK 25	125	NKX 25 Z	NAXK 25 Z	132	25	37	42.1	43.2	30	11	9.5	25	0.6
30	NKX 30	NAXK 30	141	NKX 30 Z	NAXK 30 Z	148	30	42	47.1	48.2	30	11	9.5	30	0.6
35	NKX 35	NAXK 35	163	NKX 35 Z	NAXK 35 Z	168	35	47	52.1	53.2	30	12	9	35	0.6
40	NKX 40	NAXK 40	200	NKX 40 Z	NAXK 40 Z	208	40	52	60.1	61.2	32	13	10	40	0.6
45	NKX 45	NAXK 45	252	NKX 45 Z	NAXK 45 Z	265	45	58	65.2	66.5	32	14	9	45	0.6
50	NKX 50	NAXK 50	280	NKX 50 Z	NAXK 50 Z	300	50	62	70.2	71.5	35	14	10	50	0.6
60	NKX 60	NAXK 60	360	NKX 60 Z	NAXK 60 Z	380	60	72	85.2	86.5	40	17	12	60	1
70	NKX 70	NAXK 70	500	NKX 70 Z	NAXK 70 Z	520	70	85	95.2	96.5	40	18	11	70	1

TN=塑料保持架，容许运转温度：+120°C(连续工作)。

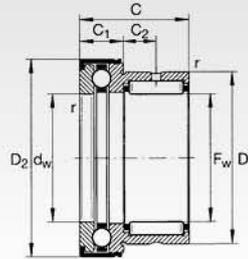
一端带固定盖。

1)推力部件必须施加达轴向基本额定静载荷Co的1%的预载荷。

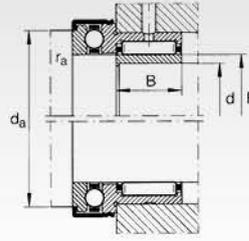
2)油润滑极限转速。

若用脂润滑，可容许表中所给值的60%。

3)内圈须单独订货，有关其进一步的详细情况参见内圈一节，第119页。



NKX..Z

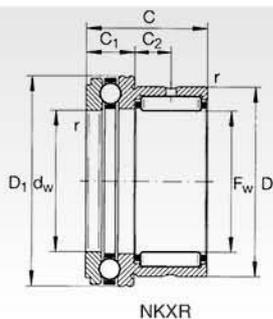


安装尺寸

基本额定载荷 Basic Load Rating				疲劳载荷		极限转速 ²⁾ n_G r/min	安装尺寸 Mounting Dimensions		推荐的内圈 ³⁾ 代号 d F B	轴径
径向 动 C kN	静 Co kN	轴向 ¹⁾ C kN	静 Co kN	径向 Pu kN	轴向 Pu kN		da	ra max		
6.2	7.8	10	14	0.93	0.52	12 000	19.7	0.3	IR 7x10x16	10
9	11	10.3	15.4	1.52	0.57	11 000	21.7	0.3	IR 9x12x16	12
10.7	12.7	10.5	16.8	1.76	0.62	9 500	23.7	0.3	IR 12x15x16	15
11.9	15	10.8	18.2	2.08	0.67	8 500	25.7	0.3	IR 14x17x17	17
16.4	23.8	14.3	24.7	3.1	0.91	7 500	30.7	0.3	IR 17x20x20	20
18.8	30.5	19.6	37.5	4	1.39	6 000	37.7	0.6	IR 20x25x20	25
22.6	36	20.4	42	4.65	1.56	5 000	42.7	0.6	IR 25x30x20	30
24.3	41.5	21.2	47	5.4	1.74	4 600	47.7	0.6	IR 30x35x20	35
26	47	27	63	6.2	2.33	4 000	55.7	0.6	IR 35x40x20	40
27.5	53	28	69	6.9	2.55	3 600	60.5	0.6	IR 40x45x20	45
38	74	29	75	9.5	2.8	3 300	65.5	0.6	IR 45x50x25	50
42	90	41.5	113	11.5	4.2	2 800	80.5	1	IR 50x60x25	60
44.5	92	43	127	11.4	4.7	2 400	90.5	1	IR 60x70x25	70

带固定盖或不带固定盖

NKXR
NKXR..Z系列



NKXR

轴径 Shaft Diameter (mm)	代号	按 DIN 5429 规定代号	质量 ≈ g	带固定盖 的轴承	按 DIN 5429 规定代号	质量 ≈ g	外形尺寸 Boundary Dimensions								
							Fw	D	D1 max.	D2 max.	C -0.25	C1 -0.2	C2	dw E8	r min.
15	NKXR 15	NAXR 15	42	NKXR 15Z	NAXR 15Z	45	15	24	28.1	29.2	23	9	6.5	15	0.3
17	NKXR 17	NAXR 17	50	NKXR 17 Z	NAXR 17 Z	53	17	26	30.1	31.2	25	9	8	17	0.3
20	NKXR 20	NAXR 20	80	NKXR 20 Z	NAXR 20 Z	84	20	30	35.1	36.2	30	10	10.5	20	0.3
25	NKXR 25	NAXR 25	120	NKXR 25 Z	NAXR 25 Z	125	25	37	42.1	43.2	30	11	9.5	25	0.6
30	NKXR 30	NAXR 30	135	NKXR 30 Z	NAXR 30 Z	141	30	42	47.1	48.2	30	11	9.5	30	0.6
35	NKXR 35	NAXR 35	157	NKXR 35 Z	NAXR 35 Z	165	35	47	52.1	53.2	30	12	9	35	0.6
40	NKXR 40	NAXR 40	204	NKXR 40 Z	NAXR 40 Z	214	40	52	60.1	61.2	32	13	10	40	0.6
45	NKXR 45	NAXR 45	244	NKXR 45 Z	NAXR 45 Z	260	45	58	65.2	66.5	32	14	9	45	0.6
50	NKXR 50	NAXR 50	268	NKXR 50 Z	NAXR 50 Z	288	50	62	70.2	71.5	35	14	10	50	0.6

其中推力轴承保持架是用塑料制的。容许运转温度+120℃(连续工作)。

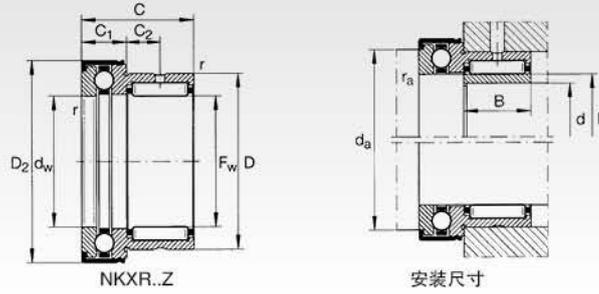
1) 推力部件必须施加达轴向基本额定静载荷Co的1%的预载荷。

2) 油润滑极限转速。

若用脂润滑，可容许表中所给值的60%。

3) 计算容许转速时按推力轴承对待。

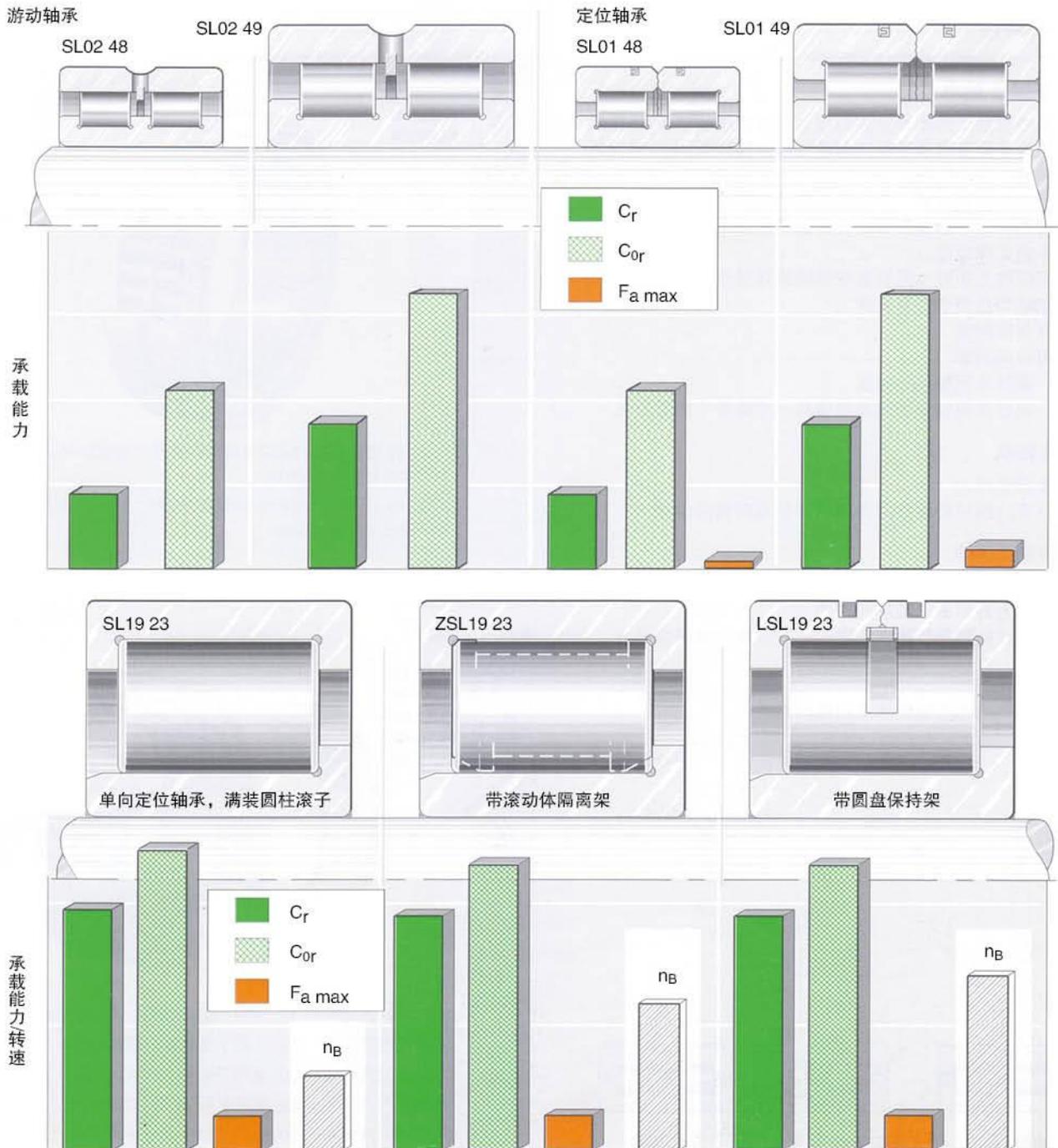
4) 内圈须单独订货，有关其进一步的详细情况参见内圈一节，第119页



基本额定载荷 Basic Load Rating				疲劳载荷		极限转速 ²⁾	参考转速 ³⁾	安装尺寸 Mounting Dimensions		推荐的内圈 ⁴⁾	轴径
径向 动 C kN	静 Co kN	轴向 ¹⁾ C kN	静 Co kN	径向 Pu kN	轴向 Pu kN	n_B r/min	n_G r/min	da	ra max	代号 d F B	
10.7	12.7	14.4	28.5	1.76	2.5	13 000	6 500	23.7	0.3	IR 12x15x16	15
11.9	15	15.9	33.5	2.08	3	12 000	5 500	25.7	0.3	IR 14x17x17	17
16.4	23.8	24.9	53	3.1	4.55	10 000	4 200	30.7	0.3	IR 17x20x20	20
18.8	30.5	33.5	76	4	6.6	8 500	3 400	37.7	0.6	IR 20x25x20	25
22.6	36	35.5	86	4.65	6.7	7 500	2 900	42.7	0.6	IR 25x30x20	30
24.3	41.5	39	101	5.4	9.2	6 500	2 500	47.7	0.6	IR 30x35x20	35
26	47	56	148	6.2	13.1	6 000	2 000	55.7	0.6	IR 35x40x20	40
27.5	53	59	163	6.9	14.7	5 000	1 900	60.6	0.6	IR 40x45x20	45
38	74	61	177	9.5	16.2	4 800	1 700	65.5	0.6	IR 45x50x25	50

圆柱滚子轴承 Cylindrical Roller Bearing

轴承选择准则 Bearing Selection Criteria



圆柱滚子轴承 Cylindrical Roller Bearing

满装圆柱滚子，单列或双列
带保持架或滚动体隔离架

圆柱滚子轴承

■ 是由机加工内圈和外圈与挡边引导的圆柱滚子(不是满装滚子配置就是带保持架或滚动体隔离架)组成的完整单元

- 可用作游动轴承、单向定位轴承或定位轴承
- 因圆柱滚子数量最多而具有最高的基本额定动载荷和基本额定静载荷
- 因摩擦力矩低，无论是带保持架还是带滚动体隔离架的轴承均适用于较高转速
- 具有高刚度
- 可以再润滑
 - 通过单列轴承的端面
 - 通过双列轴承的润滑沟槽和一个或多个润滑油孔。

游动轴承

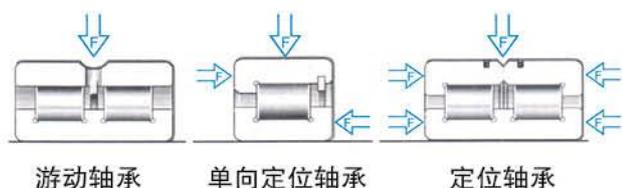
- 支承径向力
- 容许内圈和外圈彼此之间相对作双向轴向位移。

单向定位轴承

- 承受径向力和有限的单向轴向力
- 在反方向起游动轴承的作用
- 只容许内圈与外圈彼此之间相对作单向轴向位移。

定位轴承

- 承受径向力和有限的双向轴向力。



游动轴承

SL02 48
SL02 49



SL02 48(按照DIN5412-9规定的代号: NNCL48..V)
适用于轴径150 ~ 400mm

SL02 49(按照DIN 5412-9规定的代号: NNCL49..V)
适用于轴径60 ~ 400mm

单向定位轴承

SL18 18
SL18 29
SL18 30
SL18 22
SL18 50



SL18 18(尺寸系列18)适用于轴径200 ~ 500mm

SL18 29(尺寸系列29)适用于轴径60 ~ 500mm

SL18 30(尺寸系列30)适用于轴径20 ~ 400mm

SL18 22(尺寸系列22)适用于轴径20 ~ 200mm

SL18 50(尺寸系列50)适用于轴径20 ~ 150mm

圆柱滚子轴承 Cylindrical Roller Bearing

满装圆柱滚子，单列或双列
带保持架或滚动体隔离架

定位轴承

SL01 48
SL01 49



SL01 48(按照DIN5412-9规定的代号: NNC48..V)适用
于轴径150 ~ 400mm

SL01 49(按照DIN5412-9规定的代号: NNC49..V)适用
于轴径60 ~ 400mm

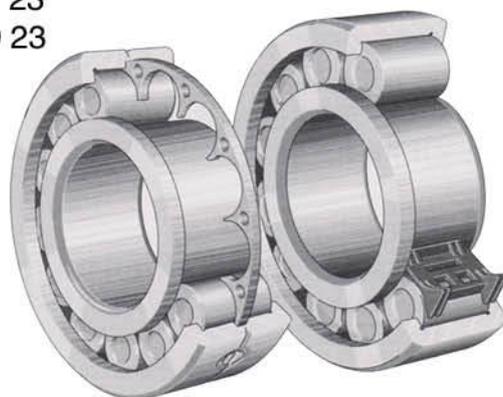
外圈轴向剖分并用固定夹固定在一起

SL19 23



尺寸系列23
适用于轴径25-120mm

LSL19 23
ZSL19 23



尺寸系列23
带黄铜圆盘保持架的LSL
带滚动体塑料隔离架的ZSL
LSL19 23适用于轴径100 ~ 300mm
ZSL19 23适用于轴径25 ~ 120mm

游动轴承

SL02 48, SL02 49系列

- 连续工作的最小径向载荷 $C_0/P < 60^\circ$
- 内部输送和装配用的止动环不能承受任何轴向载荷。
- 必须考虑内、外圈之间的位移量“s”(见图1)。

单向定位轴承

SL18 18, SL18 29, SL18 30, SL18 22, SL19 23

SL18 50, LSL19 23, ZSL19 23系列

- 对传递轴向力的挡边必须作完全支撑(见图2)。
- 连续工作的最小径向载荷 $C_0/P < 60^\circ$
- 内部输送和装配用的止动环不能承受任何轴向载荷。
- 必须考虑内外圈之间的位移量“s”(见图1)。

LSL19 23, ZSL19 23:

⚠ 适当的润滑对安全的连续工作来说是必要的。

定位轴承

SL01 48, SL01 49系列

- 轴向游隙为0.1 ~ 0.2mm
- 对传递轴向力的挡边必须作完全支撑(见图2)。
- 连续工作的最小径向载荷 $C_0/P < 60^\circ$
- 对外圈必须作牢固的轴向定位(见图3)。
- 固定元件不能承受任何轴向载荷。

精度

- 几何与尺寸公差按照DIN 620规定的公差级PN确定。

特殊要求

有关以下详细情况请与本公司联系:

- 不同于正常游隙的径向内部游隙, 例如C3
——后缀C3。

订货举例和订货代号

圆柱滚子轴承, 单向定位轴承, 满装圆柱滚子, 单列, 尺寸:

系列29用于: $d=200\text{mm}$ $B=48\text{mm}$
 $D=280\text{mm}$

订货代号: SL18 2940(见图4)

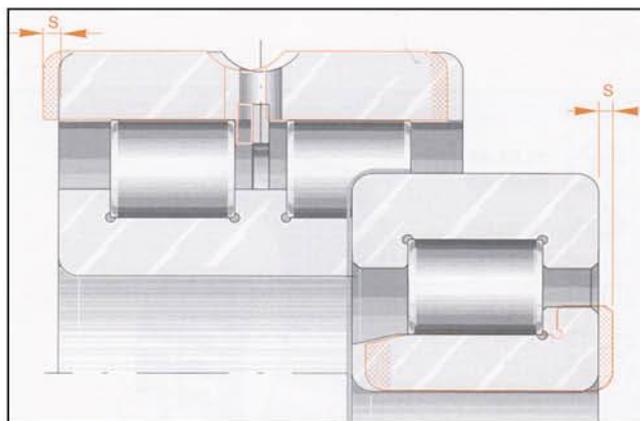


图1 内、外圈之间的位移量

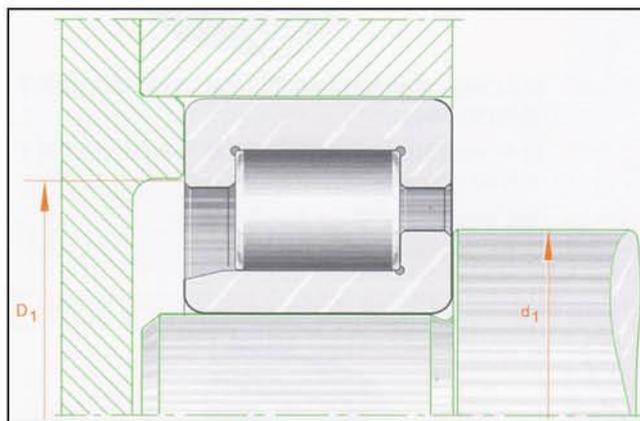


图2 承受轴向载荷挡边的支撑

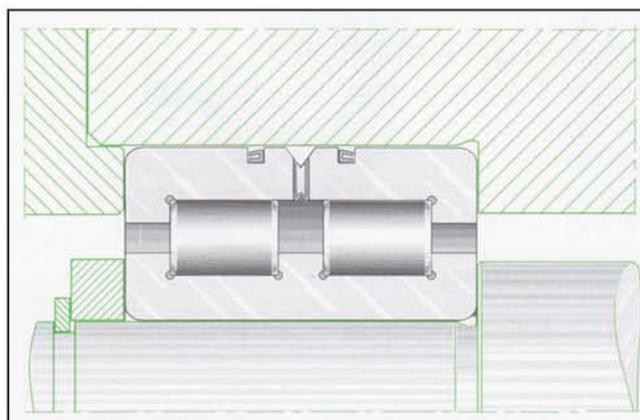


图3 轴向定位的外圈

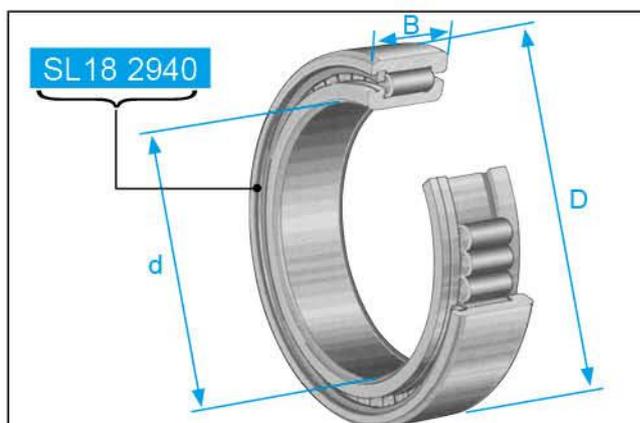


图4 订货举例, 订货代号

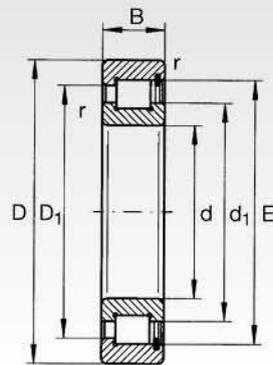
满装圆柱滚子，单列

单向定位轴承：

Only-waybposition bearing

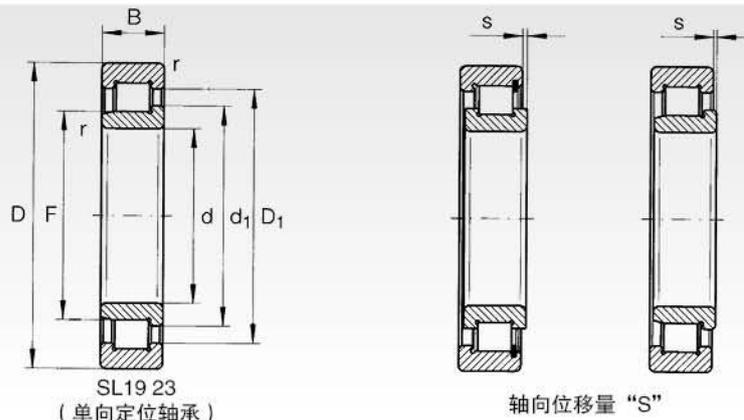
SL18 29, SL18 30, SL18 22系列

SL19 23系列



SL18 29, SL18 30, SL18 22
(单向定位轴承)

轴径 mm	代号	质量 ≈ kg	尺寸 mm					安装尺寸 mm				基本额定 载荷		疲劳 载荷 Pu kN	极限 转速 nG r/min	参考 转速 nB r/min
			d	D	B	r min.	s	F	d ₁	D ₁	E	动 C kN	静 C ₀ kN			
20	SL18 3004	0.11	20	42	16	0.6	1.5	-	29	33	36.5	27.5	26.5	3.45	10000	9000
	SL18 2204	0.16	20	47	18	1	1	-	30	37	41.5	41	37.5	4.75	9500	8000
25	SL18 3005	0.12	25	47	16	0.6	1.5	-	34.5	38.5	42.5	31.5	32.5	4.3	9000	7000
	SL18 2205	0.18	25	52	18	1	1	-	35	42	46.5	46	45	5.7	8500	6500
	SL19 2305	0.37	25	62	24	1.1	2	31.72	36.5	47.5	-	65	60	7.3	7500	5500
30	SL18 3006	0.2	30	55	19	1	2	-	40	45	49.5	40.5	43	5.6	7500	6500
	SL18 2206	0.3	30	62	20	1	1	-	42	50.5	55	63	65	8.1	7000	5500
	SL19 2306	0.56	30	72	27	1.1	2	38.30	43.5	56	-	89	88	10.7	6500	4900
35	SL18 3007	0.26	35	62	20	1	2	-	45	51	55.5	49.5	55	7	6500	6000
	SL18 2207	0.44	35	72	23	1.1	1	-	47	59	64	79	79	9.8	6000	5000
	SL19 2307	0.74	35	80	31	1.5	2	44.68	51	65.5	-	113	112	13.9	5500	4300
40	SL18 3008	0.31	40	68	21	1	2	-	50.5	57.5	61.5	59	68	8.6	6000	5000
	SL18 2208	0.55	40	80	23	1.1	1	-	54	66	71	87	83	11.4	5500	4400
	SL19 2308	1.01	40	90	33	1.5	2	51.12	57.5	75	-	152	156	19.1	5000	3600
45	SL18 3009	0.4	45	75	23	1	2	-	55.5	62	66.5	63	76	9.6	5500	5000
	SL18 2209	0.59	45	85	23	1.1	1	-	57.5	69.5	74.5	90	99	12.3	5000	4200
	SL19 2309	1.37	45	100	36	1.5	3	56.10	62.5	80	-	162	172	21	4500	3700
50	SL18 3010	0.43	50	80	23	1	2	-	59	67.5	72	79	96	12	5000	4500
	SL18 2210	0.64	50	90	23	1.1	1	-	64.5	76.5	81.5	97	113	14	4600	3600
	SL19 2310	1.81	50	110	40	2	3	60.72	68.5	89.5	-	208	219	26.5	4100	3400
55	SL18 3011	0.64	55	90	26	1.1	2	-	68.5	78.5	83.5	107	138	17	4500	3800
	SL18 2211	0.87	55	100	25	1.5	1.5	-	70	83.5	89	125	150	18.4	4200	3300
	SL19 2311	2.28	55	120	43	2	3	67.11	75.5	99	-	242	255	31.5	3700	3100
60	SL18 2912	0.29	60	85	16	1	1	-	69	74.5	78.5	57	78	10.2	4500	3500
	SL18 3012	0.69	60	95	26	1.1	2	-	71.5	81.5	86.5	110	145	17.9	4200	3600
	SL18 2212	1.18	60	110	28	1.5	1.5	-	77	93	99	152	180	22.3	3800	3100
	SL19 2312	2.88	60	130	46	2.1	3	73.62	82	105.5	-	260	280	34.5	3400	2900
65	SL18 2913	0.31	65	90	16	1	1	-	75.5	81	85	60	86	11.2	4200	3100
	SL18 3013	0.73	65	100	26	1.1	2	-	78	88	93	116	159	19.7	3900	3300
	SL18 2213	1.57	65	120	31	1.5	1.5	-	82.5	100	106	178	214	26.5	3500	3000
	SL19 2313	3.52	65	140	48	2.1	3.5	80.69	90	116	-	315	355	42.5	3200	2500
70	SL18 2914	0.49	70	100	19	1	1	-	81	87.5	92.5	79	114	14.5	3800	3100
	SL18 3014	1.02	70	110	30	1.1	3	-	81.5	95	100	137	176	21.7	3600	3400
	SL18 2214	1.66	70	125	31	1.5	1.5	84.14	87	105	111	184	227	28	3300	2800
	SL19 2314	4.33	70	150	51	2.1	3.5	-	94	121	-	345	390	46.5	2900	2400
75	SL18 2915	0.52	75	105	19	1	1	-	86	93	97.5	81	121	15.4	3600	2900
	SL18 3015	1.06	75	115	30	1.1	3	-	89	102.5	107.5	145	194	23.8	3400	3000
	SL18 2215	1.75	75	130	31	1.5	1.5	-	91.5	110	116	190	241	29.5	3200	2700



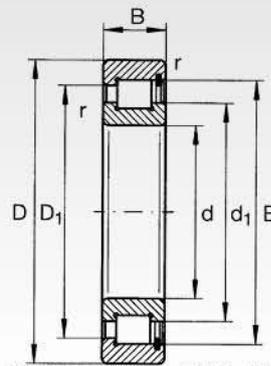
轴径 mm	代号	质量 ≈ kg	尺寸 mm					安装尺寸 mm				基本额定 载荷		疲劳 载荷 Pu kN	极限 转速 nG r/min	参考 转速 nB r/min
			d	D	B	r min.	s	F	d ₁	D ₁	E	动 C kN	静 C ₀ kN			
80	SL18 2916	0.55	80	110	19	1	1	-	91	98	102	84	129	16.4	3400	2700
	SL18 3016	1.43	80	125	34	1.1	4	-	95	111	117	173	225	27.5	3200	3000
	SL18 2216	2.15	80	140	33	2	1.5	-	98.5	119	126	226	285	34	2900	2500
	SL19 2316	6.32	80	170	58	2.1	3.5	98.24	109.5	141.5	-	480	560	63	2600	1900
85	SL18 2917	0.81	85	120	22	1.1	1	-	96	105	109	105	162	20.2	3200	2700
	SL18 3017	1.51	85	130	34	1.1	4	-	99.5	115.5	121	178	237	29	3000	2800
	SL18 2217	2.74	85	150	36	2	1.5	-	104.5	126	133	255	325	38.5	2800	2400
	SL19 2317	7.34	85	180	60	3	4	107.01	118.5	150.5	-	510	620	67	2400	1700
90	SL18 2918	0.84	90	125	22	1.1	1	-	102	110.5	115	109	172	21.2	3000	2500
	SL18 3018	1.97	90	140	37	1.5	4	-	106	124	130	208	280	33.5	2800	2700
	SL18 2218	3.48	90	160	40	2	2.5	-	110	133	140.5	290	370	43	2600	2100
	SL19 2318	8.83	90	190	64	3	4	105.26	117.5	152	-	560	660	72	2300	1800
95	SL18 2919	0.86	95	130	22	1.1	1	-	106.5	117	122	118	179	21.7	2900	2400
	SL18 2219	4.17	95	170	43	2.1	2.5	-	122	147	155.5	340	435	49	2400	2000
	SL19 2319	10.2	95	200	67	3	4	114.66	127	161.5	-	580	720	77	2200	1700
100	SL18 2920	1.14	100	140	24	1.1	1.5	-	113.5	125.5	130	136	206	24.3	2700	2300
	SL18 3020	2.15	100	150	37	1.5	4	-	115.5	133.5	139	219	310	35.5	2600	2400
	SL18 2220	5.13	100	180	46	2.1	2.5	-	127.5	154	163	395	520	58	2300	1800
	SL19 2320	13	100	215	73	3	4	119.3	133	172.5	-	710	860	91	2100	1500
110	SL18 2922	1.23	110	150	24	1.1	1.5	-	124	136	141	140	220	26	2500	2100
	SL18 3022	3.5	110	170	45	2	5.5	-	127.5	149	156	285	395	45	2300	2200
	SL18 2222	7.24	110	200	53	2.1	4	-	137	167	177	455	590	64	2100	1800
	SL19 2322	17	110	240	80	3	5	134.27	151.5	199.5	-	850	980	99	1900	1300
120	SL18 2924	1.73	120	165	27	1.1	1.5	-	135	148.5	154	180	295	33.5	2300	1900
	SL18 3024	3.8	120	180	46	2	5.5	-	139	160.5	167	300	435	48	2200	1900
	SL18 2224	9.08	120	215	58	2.1	4	-	150.5	182	192.5	540	730	77	1900	1500
	SL19 2324	22.3	120	260	86	3	5	147.39	164.5	212.5	-	1 000	1 240	123	1700	1200
130	SL18 2926	2.33	130	180	30	1.5	2	-	146	161	166	214	355	39.5	2100	1800
	SL18 3026	5.65	130	200	52	2	5.5	-	148.5	175	183	435	620	65	2000	1700
	SL18 2226	11.25	130	230	64	3	5	-	162.5	196	207	630	860	89	1800	1400
140	SL18 2928	2.42	140	190	30	1.5	2	-	157	173.5	179	232	385	41.5	2000	1600
	SL18 3028	6.04	140	210	53	2	5.5	-	162.5	189	197	455	680	70	1900	1500
	SL18 2228	14.47	140	250	68	3	5	-	174	210	222	720	1 020	102	1700	1300
150	SL18 2930	3.77	150	210	36	2	2.5	-	169	189	196	305	490	52	1800	1500
	SL18 3030	7.33	150	225	56	2.1	7	-	170	197.5	206	480	710	72	1700	1500
	SL18 2230	18.43	150	270	73	3	6	-	185.5	224	237	830	1 180	116	1500	1200
160	SL18 2932	4	160	220	36	2	2.5	-	180	200	207	320	520	54	1700	1300
	SL18 3032	8.8	160	240	60	2.1	7	-	185	215	224	550	820	81	1600	1300

满装圆柱滚子，单列

单向定位轴承：

SL18 18, SL18 29

SL18 30, SL18 22系列



SL18 18, SL18 29, SL18 30, SL18 22
(单向定位轴承)

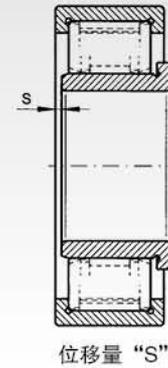
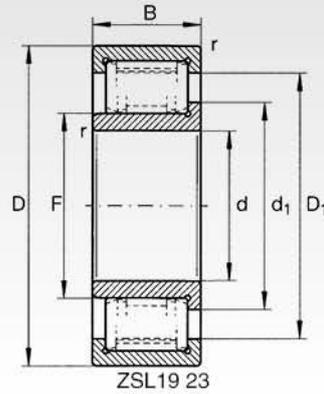
轴径 mm	代号	质量 ≈ kg	尺寸 mm					安装尺寸 mm			基本额定 载荷		疲劳 载荷 Pu kN	极限 转速 nG r/min	参考 转速 nB r/min
			d	D	B	r min.	s	d ₁	D ₁	E	动 C kN	静 Co kN			
170	SL18 2934	4.3	170	230	36	2	2.5	191	210.5	218	330	560	57	1600	1200
	SL18 3034	12.2	170	260	67	2.1	7	198	231.5	242	710	1070	104	1500	1100
	SL18 2234	28.65	170	310	86	3	7	220.5	266	281	1150	1680	155	1400	900
180	SL18 2936	6.2	180	250	42	2	2.5	201	223.5	231	410	690	69	1500	1200
	SL18 3036	16.1	180	280	74	2.1	7	212	248	260	820	1260	119	1400	1000
	SL18 2236	29.8	180	320	86	4	7	232.5	278	293	1190	1780	163	1300	850
190	SL18 2938	6.5	190	260	42	2	2.5	211.5	235	243	455	790	77	1400	1100
	SL18 3038	17	190	290	75	2.1	9	222	258	269	840	1320	124	1400	1000
	SL18 2238	35.65	190	340	92	4	9	243.5	294	310.5	1310	1920	172	1200	800
200	SL18 1840	2.57	200	250	24	1.5	2	217	231	237	183	330	34	1400	1200
	SL18 2940	9.1	200	280	48	2.1	3	225.5	252	261	550	960	91	1400	1000
	SL18 3040	21.8	200	310	82	2.1	9	236.5	275	287	960	1530	140	1300	900
	SL18 2240	43.12	200	360	98	4	9	246.5	300.5	318.5	1420	2040	183	1200	800
220	SL18 1844	2.8	220	270	24	1.5	2	237.5	251.5	258	192	365	36	1300	1000
	SL18 2944	9.9	220	300	48	2.1	3	246.5	273	282	580	1050	97	1200	850
	SL18 3044	28.4	220	340	90	3	9	254.5	298	312	1160	1840	164	1200	850
240	SL18 1848	4.4	240	300	28	2	3	260	276	282	224	435	41.5	1200	950
	SL18 2948	10.6	240	320	48	2.1	3	267.5	294	303	610	1140	103	1200	750
	SL18 3048	30.9	240	360	92	3	11	277.5	320.5	335	1220	2010	176	1100	750
260	SL18 1852	4.71	260	320	28	2	3	282.5	298.5	304	234	475	44	1100	850
	SL18 2952	18.5	260	360	60	2.1	3.5	291.5	322.5	333	790	1470	129	1000	700
	SL18 3052	44.5	260	400	104	4	11	304	358	376	1620	2550	217	1000	650
280	SL18 1856	7	280	350	33	2	3	304.5	324.5	332	315	620	57	1000	800
	SL18 2956	19.7	280	380	60	2.1	3.5	314	347.5	358	920	1740	149	1000	600
	SL18 3056	48	280	420	106	4	11	319.5	372.5	391	1670	2700	225	950	600
300	SL18 1860	10	300	380	38	2.1	3.5	328	351	358	380	750	67	950	700
	SL18 2960	31.2	300	420	72	3	5	338	376.5	389	1180	2230	186	900	550
	SL18 3060	66.6	300	460	118	4	14	353.5	413.5	433	2040	3350	270	850	500
320	SL18 1864	10.6	320	400	38	2.1	4.5	346	369	377	390	800	69	900	650
	SL18 2964	32.9	320	440	72	3	5	358.5	397	410	1220	2370	194	850	500
	SL18 3064	71.7	320	480	121	4	14	369.5	429.5	449	2100	3500	280	800	500
340	SL18 1868	11.2	340	420	38	2.1	4.5	364.5	387	395	405	840	72	850	650
	SL18 2968	34.7	340	460	72	3	5	379	417.5	430	1260	2500	202	800	480
	SL18 3068	95.8	340	520	133	5	16	396	463.5	485	2500	4150	330	750	450
360	SL18 1872	11.7	360	440	38	2.1	4.5	388.5	411.5	419	426	890	75	800	550
	SL18 2972	36.4	360	480	72	3	5	399.5	438	450	1290	2650	211	750	440
	SL18 3072	101	360	540	134	5	16	414	481	503	2550	4350	340	700	430



轴向位移量“S”

轴径 mm	代号	质量 ≈ kg	尺寸 mm					安装尺寸 mm			基本额定 载荷		疲劳 载荷 Pu kN	极限 转速 nG r/min	参考 转速 nB r/min
			d	D	B	r min.	s	d ₁	D ₁	E	动 C kN	静 Co kN			
380	SL18 1876	19.2	380	480	46	2.1	6	414.5	443	453	590	1190	99	750	550
	SL18 2976	52.1	380	520	82	4	5	426	471.5	486	1670	3350	260	700	400
	SL18 3076	106	380	560	135	5	16	431.5	499	521	2600	4500	355	700	410
400	SL18 1880	20	400	500	46	2.1	6	437	466	476	600	1260	103	700	490
	SL18 2980	54.3	400	540	82	4	5	450	495.5	511	1730	3560	275	700	370
	SL18 3080	140	400	600	148	5	18	462.5	534.5	558	3100	5400	415	650	360
420	SL18 1884	20.9	420	520	46	2.1	6	452.5	481.5	491	620	1310	106	700	470
	SL18 2984	56.9	420	560	82	4	5	462	507.5	523	1750	3600	280	650	360
440	SL18 1888	21.8	440	540	46	2.1	6	475.5	504	514	630	1380	110	650	440
	SL18 2988	78.1	440	600	95	4	7	490	544	562	2110	4150	315	600	330
460	SL18 1892	33.9	460	580	56	3	7	501	534.5	546	790	1680	133	600	420
	SL18 2992	81.1	460	620	95	4	7	504	559	576	2140	4300	320	600	320
480	SL18 1896	35.2	480	600	56	3	7	519	552.5	564	810	1740	136	600	400
	SL18 2996	94.7	480	650	100	5	7	538	596	614	2410	4850	355	550	290
500	SL18 18/500	36.5	500	620	56	3	7	545.5	579.5	591	830	1830	141	600	380
	SL18 29/500	98.3	500	670	100	5	7	553	611	630	2450	5000	365	550	280

带滚动体隔离架¹⁾ 单列 ZSL19 23系列

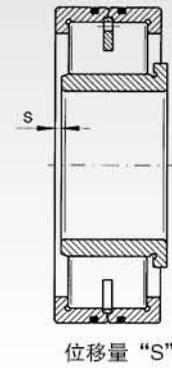
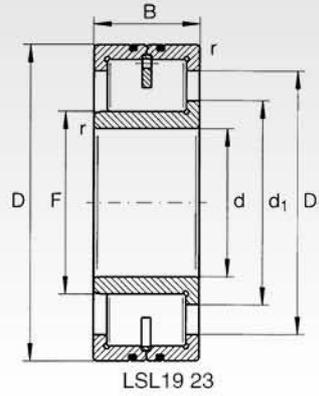


轴径 mm	代号	质量 ≈ kg	尺寸 mm					安装尺寸 mm			基本额定 载荷		疲劳 载荷 Pu kN	极限 转速 nG r/min	参考 转速 nB r/min
			d	D	B	r min.	s	F	d ₁	D ₁	动 C kN	静 C ₀ kN			
25	ZSL19 2305	0.36	25	62	24	1.1	2	31.72	37	47.5	61	55	6.7	16000	11000
30	ZSL19 2306	0.55	30	72	27	1.1	2	38.3	43.5	56	84	81	9.9	14000	9500
35	ZSL19 2307	0.72	35	80	31	1.5	2	44.68	51	65.5	106	104	12.8	12000	9000
40	ZSL19 2308	1	40	90	33	1.5	2	51.12	57.5	75	143	144	17.6	11000	8000
45	ZSL19 2309	1.34	45	100	36	1.5	3	56.1	62.5	80	153	160	19.5	10000	7500
50	ZSL19 2310	1.76	50	110	40	2	3	60.72	68.5	89.5	196	202	24.4	9000	7000
55	ZSL19 2311	2.22	55	120	43	2	3	67.11	75.5	99	228	236	29	8000	6500
60	ZSL19 2312	2.82	60	130	46	2.1	3	73.62	82	105.5	244	260	32	7400	6000
65	ZSL19 2313	3.44	65	140	48	2.1	3.5	80.69	90	116	300	330	39.5	6800	5000
70	ZSL19 2314	4.27	70	150	51	2.1	3.5	84.14	94	121	330	365	43	6400	4800
75	ZSL19 2315	5.2	75	160	55	2.1	3.5	91.22	101.5	131.5	390	440	51	6000	4400
80	ZSL19 2316	6.2	80	170	58	2.1	3.5	98.24	109.5	142	455	520	59	5600	4000
85	ZSL19 2317	7.23	85	180	60	3	4	107.01	118.5	150.5	485	570	63	5300	3700
90	ZSL19 2318	8.7	90	190	64	3	4	105.26	117.5	152	530	610	67	5000	3500
95	ZSL19 2319	10	95	200	67	3	4	114.66	127	161.5	560	670	72	4800	3300
100	ZSL19 2320	12.7	100	215	73	3	4	119.3	133	172.5	670	800	85	4400	3000
110	ZSL19 2322	16.5	110	240	80	3	5	134.27	151.5	199.5	800	910	92	4000	2700
120	ZSL19 2324	21.9	120	260	86	3	5	147.39	164.5	212.5	950	1150	114	3700	2400

1) 滚动体塑料隔离架, 容许运转温度: +120°C (连续工作)

1) Rolling element segregation frame, allowable running temperature: +120°C (continuous working)

带圆盘保持架¹⁾ 单列
LSL19 23系列



轴径 mm	代号	质量 ≈ kg	尺寸 mm					安装尺寸 mm			基本额定 载荷		疲劳 载荷 Pu kN	极限 转速 nG r/min	参考 转速 nB r/min
			d	D	B	r min.	s	F	d ₁	D ₁	动 C kN	静 C ₀ kN			
100	LSL19 2320	12.8	100	215	73	3	4	119.3	133	172.5	670	800	85	6500	3300
110	LSL19 2322	17.3	110	240	80	3	5	135.5	151	195	790	940	96	5600	2900
120	LSL19 2324	22	120	260	86	3	5	147.39	164.5	212.5	950	1150	114	5300	2600
130	LSL19 2326	27.2	130	280	93	4	5	157.9	176	227.5	1070	1300	126	4900	2400
140	LSL19 2328	34	140	300	102	4	7	168.45	188	243	1200	1470	140	4600	2200
150	LSL19 2330	40.7	150	320	108	4	7	182.49	203.5	263.5	1420	1780	165	4200	2000
160	LSL19 2332	48.05	160	340	114	4	7	196.38	219	284	1600	2020	186	3900	1800
170	LSL19 2334	57.5	170	360	120	4	7	203.55	227	295	1750	2230	200	3800	1700
180	LSL19 2336	67.4	180	380	126	4	7	221.56	245	312.5	1850	2440	215	3500	1600
190	LSL19 2338	78.1	190	400	132	5	7	224.43	250	326.5	2110	2750	238	3400	1500
200	LSL19 2340	89.3	200	420	138	5	7	238.45	266	347	2350	3050	260	3200	1400
220	LSL19 2344	108	220	460	145	5	7	266.71	297	388	2500	3200	265	2900	1300
240	LSL19 2348	138.6	240	500	155	5	10	280.55	312.5	408.5	2750	3550	290	2700	1200
260	LSL19 2352	168	260	540	165	6	10	315.6	352	459.5	3400	4400	345	2400	1000
280	LSL19 2356	206.6	280	580	175	6	12	333.1	371	485	3700	4850	375	2300	950
300	LSL19 2360	253	300	620	185	7.5	12	350.93	391	511	4150	5600	420	2200	850

1) 机加工的青铜圆盘保持架。
1) Machined brass disc retainer

满装圆柱滚子，双列

单向定位轴承：

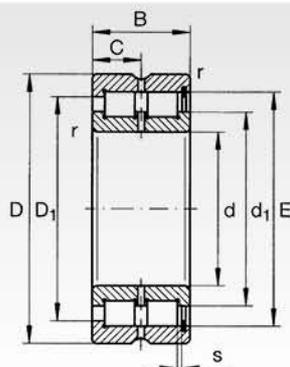
SL18 50系列

定位轴承：

SL01 48，SL01 49系列

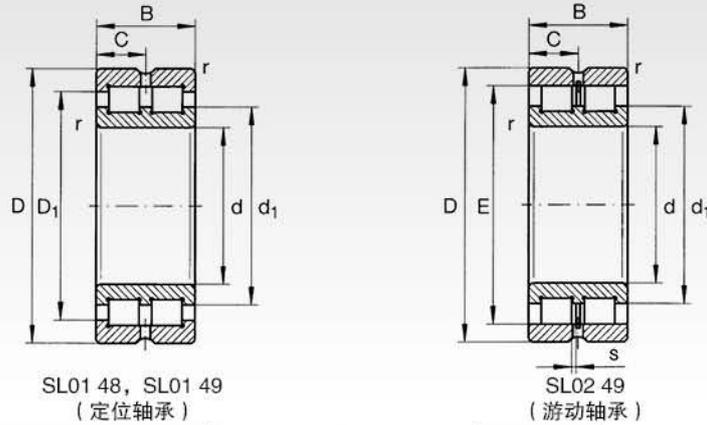
游动轴承：

SL02 49系列



SL18 50
(单向定位轴承)

轴径 mm	单向定位 轴承	定位轴承 代号	游动轴承 代号	按照DIN 5412规定的 代号	质量 ≈ kg	尺寸 mm				
						d	D	B	r min.	s
20	SL18 5004	-	-		0.2	20	42	30	0.6	1
25	SL18 5005	-	-		0.23	25	47	30	0.6	1
30	SL18 5006	-	-		0.35	30	55	34	1	1.5
35	SL18 5007	-	-		0.46	35	62	36	1	1.5
40	SL18 5008	-	-		0.56	40	68	38	1	1.5
45	SL18 5009	-	-		0.71	45	75	40	1	1.5
50	SL18 5010	-	-		0.76	50	80	40	1	1.5
55	SL18 5011	-	-		1.16	55	90	46	1.1	1.5
60	-	SL01 4912	-	NNC 4912 V	0.49	60	85	25	1	-
	-	-	SL02 4912	NNCL 4912 V	0.47	60	85	25	1	1
	SL18 5012	-	-	-	1.24	60	95	46	1.1	1.5
65	SL18 5013	-	-	-	1.32	65	100	46	1.1	1.5
70	-	SL01 4914	-	NNC 4914 V	0.78	70	100	30	1	-
	-	-	SL02 4914	NNCL 4914 V	0.75	70	100	30	1	1
	SL18 5014	-	-	-	1.85	70	110	54	1.1	3
75	SL18 5015	-	-	-	1.93	75	115	54	1.1	3
80	-	SL01 4916	-	NNC 4916 V	0.88	80	110	30	1	-
	-	-	SL02 4916	NNCL 4916 V	0.85	80	110	30	1	1
	SL18 5016	-	-	-	2.59	80	125	60	1.1	3.5
85	SL18 5017	-	-	-	2.72	85	130	60	1.1	3.5
90	-	SL01 4918	-	NNC 4918 V	1.35	90	125	35	1.1	-
	-	-	SL02 4918	NNCL 4918 V	1.3	90	125	35	1.1	1.5
	SL18 5018	-	-	-	3.62	90	140	67	1.5	4
100	-	SL01 4920	-	NNC 4920 V	1.95	100	140	40	1.1	-
	-	-	SL02 4920	NNCL 4920 V	1.9	100	140	40	1.1	2
	SL18 5020	-	-	-	3.94	100	150	67	1.5	4
110	-	SL01 4922	-	NNC 4922 V	2.15	110	150	40	1.1	-
	-	-	SL02 4922	NNCL 4922 V	2.1	110	150	40	1.1	2
	SL18 5022	-	-	-	6.32	110	170	80	2	5
120	-	SL01 4924	-	NNC 4924 V	2.95	120	165	45	1.1	-
	-	-	SL02 4924	NNCL 4924 V	2.85	120	165	45	1.1	3
	SL18 5024	-	-	-	6.77	120	180	80	2	5



安装尺寸 mm				基本额定载荷		疲劳载荷 P _u kN	极限转速 n _G r/min	参考转速 n _B r/min	轴径 mm
C	d ₁	D ₁	E	动 C kN	静 C ₀ kN				
15	29	33	36.5	47.5	53	6.9	10000	9000	20
15	34.5	38.5	42.5	54	65	8.6	9000	7000	25
17	40	45.5	49.5	70	86	11.1	7500	6500	30
18	45	51.5	55.5	85	109	14	6500	5500	35
19	50.5	57.5	61.5	101	136	17.3	6000	5000	40
20	55.5	62.5	66.5	108	151	19.2	5500	4700	45
20	59	67.5	72	135	191	23.9	5000	4200	50
23	68.5	78.5	83.5	184	275	34	4500	3600	55
12.5	70.5	73.5	-	71	125	16.7	4500	3200	60
12.5	70.5	-	77	71	125	16.7	4500	3200	
23	71.5	82	86.5	189	290	36	4200	3400	
23	78	88	93	199	320	39.5	3900	3100	65
15	83	87	-	108	189	24.6	3800	2800	70
15	83	-	91	108	189	24.6	3800	2800	
27	81.5	95	100	235	355	43.5	3600	3100	
27	89	103	107.5	248	390	47.5	3400	2700	75
15	92	96	-	115	211	27.5	3400	2500	80
15	92	-	100	115	211	27.5	3400	2500	
30	95	111	117	295	450	55	3200	2500	
30	99.5	115.5	121	305	475	58	3000	2400	85
17.5	103	110	-	155	295	37	3000	2300	90
17.5	103	-	115	155	295	37	3000	2300	
33.5	106.5	124	130	355	560	67	2800	2200	
20	116.5	124.5	-	196	380	47	2700	2000	100
20	116.5	-	129	196	380	47	2700	2000	
33.5	116	133.5	139	375	620	71	2600	2000	
20	125	133.5	-	204	410	49.5	2500	1800	110
20	125	-	138	204	410	49.5	2500	1800	
40	127.5	148.5	156	490	790	90	2300	1800	
22.5	139	148	-	228	455	53	2300	1700	120
22.5	139	-	153	228	455	53	2300	1700	
40	139	160	167	520	870	96	2200	1600	

满装圆柱滚子，双列

单向定位轴承：

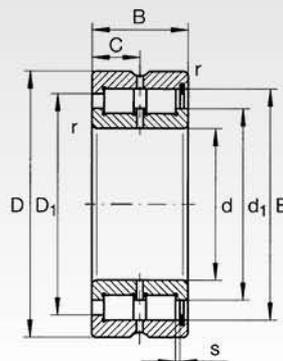
SL18 50系列

定位轴承：

SL01 48，SL01 49系列

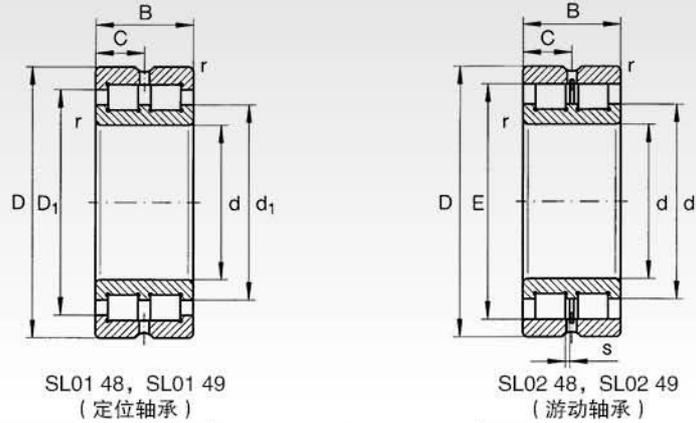
游动轴承：

SL02 48，SL02 49系列



SL18 50
(单向定位轴承)

轴径 mm	单向定位 轴承代号	定位轴承 代号	游动轴承 代号	按照DIN 5412规定的 代号	质量 ≈ kg	尺寸 mm				
						d	D	B	r min.	s
130	-	SL01 4926	-	NNC 4926 V	3.95	130	180	50	1.5	-
	-	-	SL02 4926	NNCL 4926 V	3.8	130	180	50	1.5	4
	SL18 5026	-	-	-	10.2	130	200	95	2	5
140	-	SL01 4928	-	NNC 4928 V	4.2	140	190	50	1.5	-
	-	-	SL02 4928	NNCL 4928 V	4.1	140	190	50	1.5	4
	SL18 5028	-	-	-	11.1	140	210	95	2	5
150	-	SL01 4830	-	NNC 4830 V	2.9	150	190	40	1.1	-
	-	-	SL02 4830	NNCL 4830 V	2.8	150	190	40	2	2
	-	SL01 4930	-	NNC 4930 V	6.65	150	210	60	2	-
	-	-	SL02 4930	NNCL 4930 V	6.45	150	210	60	2	4
	SL18 5030	-	-	-	13.3	150	225	100	2	6
160	-	SL01 4832	-	NNC 4832 V	3.1	160	200	40	2.1	-
	-	-	SL02 4832	NNCL 4832 V	3	160	200	40	1.1	2
	-	SL01 4932	-	NNC 4932 V	7	160	220	60	2	-
	-	-	SL02 4932	NNCL 4932 V	6.8	160	220	60	2	4
170	-	SL01 4834	-	NNC 4834 V	4.1	170	215	45	1.1	-
	-	-	SL02 4834	NNCL 4834 V	3.95	170	215	45	1.1	3
	-	SL01 4934	-	NNC 4934 V	7.35	170	230	60	2	-
	-	-	SL02 4934	NNCL 4934 V	7.1	170	230	60	2	4
180	-	SL01 4836	-	NNC 4836 V	4.3	180	225	45	1.1	-
	-	-	SL02 4836	NNCL 4836 V	4.15	180	225	45	1.1	3
	-	SL01 4936	-	NNC 4936 V	10.8	180	250	69	2	-
	-	-	SL02 4936	NNCL 4936 V	10.5	180	250	69	2	4
190	-	SL01 4838	-	NNC 4838 V	5.65	190	240	50	1.5	-
	-	-	SL02 4838	NNCL 4838 V	5.45	190	240	50	1.5	4
	-	SL01 4938	-	NNC 4938 V	11.2	190	260	69	2	-
	-	-	SL02 4938	NNCL 4938 V	10.9	190	260	69	2	4
200	-	SL01 4840	-	NNC 4840 V	5.9	200	250	50	1.5	-
	-	-	SL02 4840	NNCL 4840 V	5.7	200	250	50	1.5	4
	-	SL01 4940	-	NNC 4940 V	15.8	200	280	80	2.1	-
	-	-	SL02 4940	NNCL 4940 V	15.3	200	280	80	2.1	5



SL01 48, SL01 49
(定位轴承)

SL02 48, SL02 49
(游动轴承)

安装尺寸 mm				基本额定载荷		疲劳载荷 P_u kN	极限转速 nG r/min	参考转速 nB r/min	轴径 mm
C	d_1	D_1	E	动 C kN	静 C_0 kN				
25	149.5	159.5	-	265	530	60	2100	1500	130
25	149.5	-	165	265	530	60	2100	1500	
47.5	149	174.5	183	740	1230	130	2000	1400	
25	160	170	-	275	570	63	2000	1400	140
25	160	-	176	275	570	63	2000	1400	
47.5	163	188.5	197	780	1360	140	1900	1200	
20	166	173	-	237	550	61	1900	1300	150
20	166	-	178	237	550	61	1900	1300	
30	171.5	186.5	-	415	840	88	1800	1200	
30	171.5	-	192	415	840	88	1800	1200	160
50	170.5	197.5	206	820	1420	145	1700	1200	
20	174	182	-	243	580	63	1800	1300	
20	174	-	186	243	580	63	1800	1200	170
30	185	199.5	-	435	900	93	1700	1100	
30	185	-	206	435	900	93	1700	1100	
22.5	187	196	-	265	620	66	1700	1200	180
22.5	187	-	201	265	620	66	1700	1200	
30	194	208.5	-	445	950	96	1600	1000	
30	194	-	215	445	950	96	1600	1000	190
22.5	200	208.5	-	275	660	70	1600	1100	
22.5	200	-	214	275	660	70	1600	1100	
34.5	206	223.5	-	580	1230	121	1500	950	200
34.5	206	-	230	580	1230	121	1500	950	
25	209	219	-	315	750	77	1500	1100	
25	209	-	225	315	750	77	1500	1100	190
34.5	216	233	-	590	1290	125	1400	900	
34.5	216	-	240	590	1290	125	1400	900	
25	220	229.5	-	325	790	80	1400	1000	200
25	220	-	235	325	790	80	1400	1000	
40	231	251.5	-	690	1480	142	1400	850	
40	231	-	259	690	1480	142	1400	850	

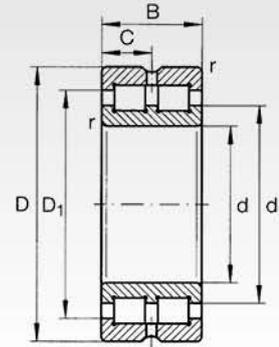
满装圆柱滚子，双列

定位轴承：

SL01 48, SL01 49系列

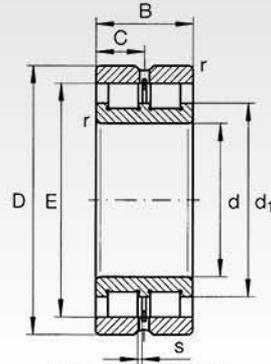
游动轴承：

SL02 48, SL02 49系列



SL01 48, SL01 49
(定位轴承)

轴径 mm	定位轴承 代号	游动轴承 代号	按照DIN 5412规 定的代号	质量 ≈ kg	尺寸 mm				
					d	D	B	r min.	s
220	SL01 4844	-	NNC 4844 V	6.4	220	270	50	1.5	-
	-	SL02 4844	NNCL 4844 V	6.2	220	270	50	1.5	4
	SL01 4944	-	NNC 4944 V	17.2	220	300	80	2.1	-
	-	SL02 4944	NNCL 4944 V	16.7	220	300	80	2.1	5
240	SL01 4848	-	NNC 4848 V	10	240	300	60	2	-
	-	SL02 4848	NNCL 4848 V	9.9	240	300	60	2	4
	SL01 4948	-	NNC 4948 V	18.5	240	320	80	2.1	-
	-	SL02 4948	NNCL 4948 V	17.9	240	320	80	2.1	5
260	SL01 4852	-	NNC 4852 V	11	260	320	60	2	-
	-	SL02 4852	NNCL 4852 V	10.6	260	320	60	2	4
	SL01 4952	-	NNC 4952 V	32	260	360	100	2.1	-
	-	SL02 4952	NNCL 4952 V	31.2	260	360	100	2.1	6
280	SL01 4856	-	NNC 4856 V	16	280	350	69	2	-
	-	SL02 4856	NNCL 4856 V	15.6	280	350	69	2	4
	SL01 4956	-	NNC 4956 V	34	280	380	100	2.1	-
	-	SL02 4956	NNCL 4956 V	33.1	280	380	100	2.1	6
300	SL01 4860	-	NNC 4860 V	23	300	380	80	2.1	-
	-	SL02 4860	NNCL 4860 V	22	300	380	80	2.1	6
	SL01 4960	-	NNC 4960 V	53	300	420	118	3	-
	-	SL02 4960	NNCL 4960 V	51.9	300	420	118	3	6
320	SL01 4864	-	NNC 4864 V	24	320	400	80	2.1	-
	-	SL02 4864	NNCL 4864 V	23.5	320	400	80	2.1	6
	SL01 4964	-	NNC 4964 V	56	320	440	118	3	-
	-	SL02 4964	NNCL 4964 V	54.9	320	440	118	3	6
340	SL01 4868	-	NNC 4868 V	255	340	420	80	2.1	-
	-	SL02 4868	NNCF 4868 V	25	340	420	80	2.1	6
	SL01 4968	-	NNC 4968 V	59	340	460	118	3	-
	-	SL02 4968	NNCL 4968 V	57.8	340	460	118	3	6



SL02 48, SL02 49
(游动轴承)

安装尺寸 mm				基本额定载荷		疲劳载荷 P _u kN	极限转速 n _G r/min	参考转速 n _B r/min	轴径 mm
C	d ₁	D ₁	E	动 C kN	静 C ₀ kN				
25	241	250.5	-	340	870	85	1300	850	220
25	241	-	256	340	870	85	1300	850	
40	248	268.5	-	720	1590	150	1200	750	
40	248	-	276	720	1590	150	1200	750	
30	261	275	-	520	1290	120	1200	750	240
30	261	-	281	520	1290	120	1200	750	
40	271	291	-	750	1740	160	1200	700	
40	271	-	299	750	1740	160	1200	700	
30	283.5	297	-	540	1400	128	1100	700	260
30	283.5	-	304	540	1400	128	1100	700	
50	295	321	-	1120	2500	221	1000	600	
50	295	-	331	1120	2500	221	1000	600	
34.5	308	326	-	710	1860	163	1000	600	280
34.5	308	-	332	710	1860	163	1000	600	
50	317	343	-	1170	2700	233	1000	550	
50	317	-	353	1170	2700	233	1000	550	
40	329	349	-	830	2120	185	950	550	300
40	329	-	356	830	2120	185	950	550	
59	341.5	374	-	1650	3800	315	900	460	
59	341.5	-	385	1650	3800	315	900	460	
40	352	372	-	860	2280	194	900	500	320
40	352	-	379	860	2280	194	900	500	
59	368	400	-	1720	4100	335	850	410	
59	368	-	412	1720	4100	335	850	410	
40	369	389	-	880	2390	201	850	480	340
40	369	-	396	880	2390	201	850	480	
59	386	418	-	1770	4300	350	800	390	
59	386	-	430	1770	4300	350	800	390	

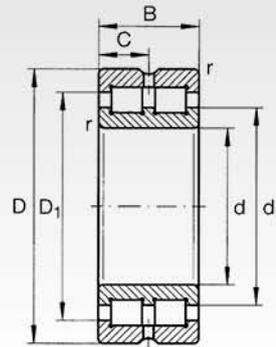
满装圆柱滚子，双列

定位轴承：

SL01 48, SL01 49系列

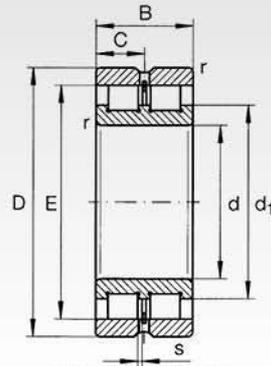
游动轴承：

SL02 48, SL02 49系列



SL01 48, SL01 49
(定位轴承)

轴径 mm	定位轴承 代号	游动轴承 代号	按照DIN 5412规 定的代号	质量 ≈ kg	尺寸 mm				
					d	D	B	r min.	s
360	SL01 4872	-	NNC 4872 V	27	360	440	80	2.1	-
	-	SL02 4872	NNCL 4872 V	26	360	440	80	2.1	6
	SL01 4972	-	NNC 4972 V	62.1	360	480	118	3	-
	-	SL02 4972	NNCL 4972 V	60.8	360	480	118	3	6
380	SL01 4876	-	NNC 4876 V	45.5	380	480	100	2.1	-
	-	SL02 4876	NNCL 4876 V	44	380	480	100	2.1	6
	SL01 4976	-	NNC 4976 V	92.4	380	520	140	4	-
	-	SL02 4976	NNCL 4976 V	90.5	380	520	140	4	7
400	SL01 4880	-	NNC 4880 V	46.5	400	500	100	2.1	-
	-	SL02 4880	NNCL 4880 V	45.8	400	500	100	2.1	6
	SL01 4980	-	NNC 4980 V	96.5	400	540	140	4	-
	-	SL02 4980	NNCL 4980 V	94.6	400	540	140	4	7



SL02 48, SL02 49
(游动轴承)

安装尺寸 mm				基本额定载荷		疲劳载荷 P_u kN	极限转速 n_G r/min	参考转速 n_B r/min	轴径 mm
C	d_1	D_1	E	动 C kN	静 C_0 kN				
40	392	412	-	910	2550	210	800	440	360
40	392	-	419	910	2550	210	800	440	
59	404	436	-	1810	4500	360	750	370	
59	404	-	448	1810	4500	360	750	370	
50	421	446	-	1330	3550	290	750	400	380
50	421	-	455	1330	3550	290	750	400	
70	431	467.5	-	2280	5600	445	700	340	
70	431	-	481	2280	5600	445	700	340	
50	435	461	-	1360	3700	295	700	380	400
50	435	-	470	1360	3700	295	700	380	
70	451	488	-	2340	5900	460	700	310	
70	451	-	501	2340	5900	460	700	310	
70	451	-	501	2340	5900	460	700	310	

带止动环槽的圆柱滚子轴承

Cylindrical Roller Bearing With Snap Ring Grooves

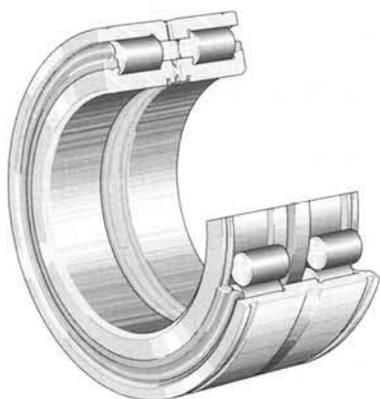
满装圆柱滚子，双列，带密封

带止动环槽的圆柱滚子轴承

- 是由机加工内圈和外圈与挡边引导的圆柱滚子和密封圈组成的完整单元
- 容易轴向定位
 - 因两侧带有止动环
- 可防止污染和水侵入
 - 靠唇密封
- 是游动轴承
- 可承受径向力和有限的双向轴向力
- 具有最高的基本额定动载荷和基本额定静载荷
 - 因圆柱滚子的数量最多
- 具有高刚度
- 用DIN 51825-KP2N-25规定的锂基复合皂脂对轴承进行润滑
- 可对轴承进行再润滑
 - 通过内圈和外圈上的润滑沟槽和一个或多个润滑油孔
- 适用于运转温度-30℃ ~ +80℃
 - 受润滑脂和密封圈材料的限制
- 非常适合绳轮的轴承配置。

带止动环槽的圆柱滚子轴承

SL04 50..PP
SL04..PP



内圈轴向剖分(用固定环紧固在一起)，比外圈宽1mm

SL04..PP(轻系列)

适用于轴径130 ~ 300mm

SL04 50..PP(尺寸系列50)

适用于轴径20 ~ 300mm

带止动环槽的圆柱滚子轴承 Cylindrical Roller Bearing With Snap Ring Grooves

满装圆柱滚子，双列，带密封

设计与安全指南

- 可用止动环对轴承进行定位(见图1)。
- 这些轴承常在外圈上出现循环载荷：
——因此外圈必须与轴承座进行压配合
——适用的止动环WRE或按照DIN 471的规定。
- 必须对内圈进行轴向定位。
- 密封圆柱滚子轴承中的密封圈必须得到足够的支撑(见尺寸表中的尺寸“ d_2 ”)以便再润滑时使它们不致被推出来(见图2)。

⚠ 在轴承安装和拆卸时，装配力不能通过剖分内圈上的定位环来传递

精度

- 几何和尺寸公差按照DIN 620 规定的公差级PN 确定。

特殊要求

- 有关下列详细情况请与本公司联系：
 - Corrotect®镀层，后缀RR
 - 不同于正常游隙的径向内部游隙
 - 随轴承一起松散包装的WRE系列双止动环
——后缀PP 2NR

订货举例和订货代号

- 带止动环槽的圆柱滚子轴承，
- SL04 50系列，两面密封：
 $d=200\text{mm}$ ， $D=310\text{mm}$ ， $B=150\text{mm}$
- 订货代号：SL04 5040PP(见图3)

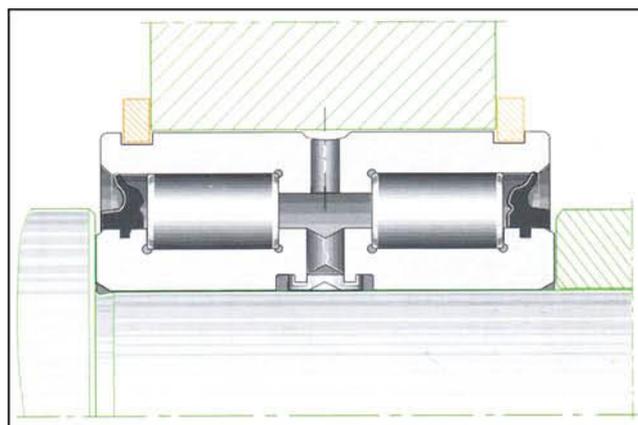


图1 轴向定位的外圈

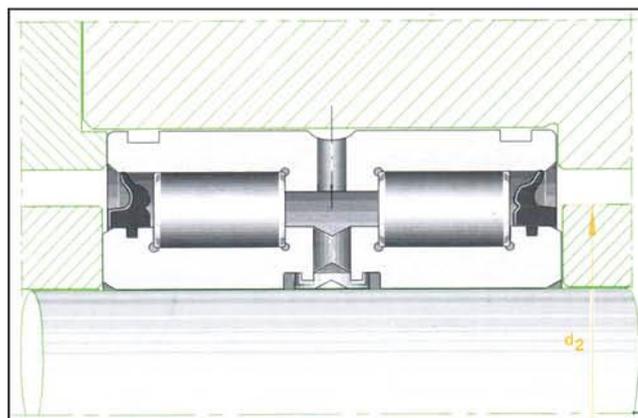


图2 密封圈支撑

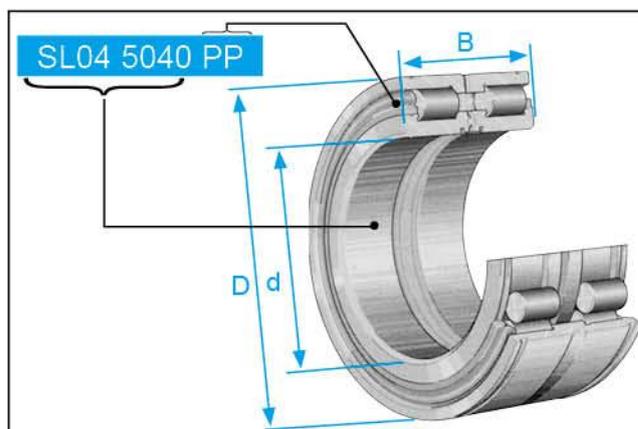
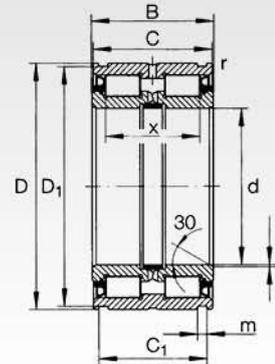


图3 订货举例，订货代号。

满装圆柱滚子，双列，带密封

SL04 50..PP
SL04..PP系列

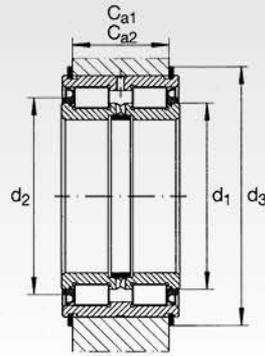


SL04 50..PP, SL04..PP

轴径 mm	代号	质量 ≈ kg	尺寸 mm									
			d	D	B	C	C ₁ +0.2	D ₁	m	r min.	t	x
20	SL04 5004 PP	0.2	20	42	30	29	24.7	39.8	1.8	0.3	0.5	22.5
25	SL04 5005 PP	0.24	25	47	30	29	24.7	44.8	1.8	0.3	0.5	22.5
30	SL04 5006 PP	0.37	30	55	34	33	28.2	52.8	2.1	0.3	0.5	25.5
35	SL04 5007 PP	0.48	35	62	36	35	30.2	59.8	2.1	0.3	0.5	27.5
40	SL04 5008 PP	0.56	40	68	38	37	32.2	65.8	2.7	0.6	0.8	28.5
45	SL04 5009 PP	0.7	45	75	40	39	34.2	72.8	2.7	0.6	0.8	30.5
50	SL04 5010 PP	0.76	50	80	40	39	34.2	77.8	2.7	0.6	0.8	30.5
55	SL04 5011 PP	1.18	55	90	46	45	40.2	87.4	3.2	0.6	1	36
60	SL04 5012 PP	1.26	60	95	46	45	40.2	92.4	3.2	0.6	1	36
65	SL04 5013 PP	1.33	65	100	46	45	40.2	97.4	3.2	0.6	1	36
70	SL04 5014 PP	1.87	70	110	54	53	48.2	107.1	4.2	0.6	1	42
75	SL04 5015 PP	1.96	75	115	54	53	48.2	112.1	4.2	0.6	1	42
80	SL04 5016 PP	2.71	80	125	60	59	54.2	122.1	4.2	0.6	1.5	48
85	SL04 5017 PP	2.83	85	130	60	59	54.2	127.1	4.2	0.6	1.5	48
90	SL04 5018 PP	3.71	90	140	67	66	59.2	137	4.2	0.6	1.5	54
95	SL04 5019 PP	3.88	95	145	67	66	59.2	142	4.2	0.6	1.5	54
100	SL04 5020 PP	3.95	100	150	67	66	59.2	147	4.2	0.6	1.5	54
110	SL04 5022 PP	6.57	110	170	80	79	70.2	167	4.2	0.6	1.8	64
120	SL04 5024 PP	7.04	120	180	80	79	71.2	176	4.2	0.6	1.8	64
130	SL04 5026 PP	10.5	130	200	95	94	83.2	196	4.2	0.6	1.8	77
	SL04 130 PP	7.5	130	190	80	79	71.2	186	4.2	0.6	1.8	64
140	SL04 5028 PP	111	140	210	95	94	83.2	206	5.2	0.6	1.8	77
	SL04 140 PP	8	140	200	80	79	71.2	196	4.2	0.6	1.8	64
150	SL04 5030 PP	13.3	150	225	100	99	87.2	221	5.2	0.6	2	80
	SL04 150 PP	8.4	150	210	80	79	71.2	206	5.2	0.6	1.8	64
160	SL04 5032 PP	16.6	160	240	109	108	95.2	236	5.2	0.6	2	89
	SL04 160 PP	8.8	160	220	80	79	71.2	216	5.2	0.6	1.8	64
170	SL04 5034 PP	22.6	170	260	122	121	107.2	254	5.2	0.6	2	100
	SL04 170 PP	9.3	170	230	80	79	71.2	226	5.2	0.6	1.8	64
180	SL04 5036 PP	30.1	180	280	136	135	118.2	274	5.2	0.6	2	112
	SL04 180 PP	9.8	180	240	80	79	71.2	236	5.2	0.6	1.8	64
190	SL04 5038 PP	31.5	190	290	136	135	118.2	284	5.2	0.6	2	112
	SL04 190 PP	12.7	190	260	80	79	73.2	254	5.2	0.6	1.8	64

- 1) 必须单独订货
WRE系列止动环可从本公司购到，但本公司不供应按DIN 471 规定的固定环。
- 2) 适用于WRE系列止动环。
- 3) 适用于按照DIN 471 规定的固定环。

- 1) An order must be placed individually.
The WRE series snap-ring can be purchased from our company. But we don't provide the fixed collar up to DIN 471.
- 2) suitable for WRE series snap-ring
- 3) suitable for fixed collar up to DIN 471

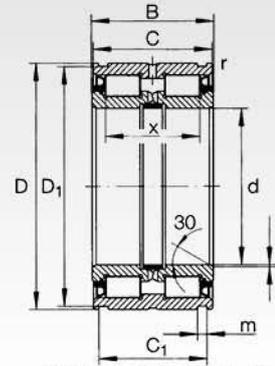


安装尺寸

基本额定载荷		疲劳 载荷 P _u kN	极限 转速 n _G 脂 r/min	安装尺寸 mm					止动环 WRE ¹⁾	固定环 DIN 471 ¹⁾	轴径 mm
动 C kN	静 C ₀ kN			Ca1 ²⁾ -0.2	Ca2 ³⁾ -0.2	d ₁	d ₂	d ₃ ²⁾			
40.5	49	7.2	4000	21.5	21	31	34	47	WRE 42	42x1.75	20
44.5	58	7.9	3600	21.5	21	35.5	39	52	WRE 47	47x1.75	25
50	67	9.2	3000	25	24	41	44	60	WRE 55	55x2	30
63	88	11.8	2600	27	26	46.5	50	67	WRE 62	62x2	35
76	103	14.7	2400	28	27	51.5	55	75	WRE 68	68x2.5	40
92	130	18.1	2200	30	29	57.5	61	82	WRE 75	75x2.5	45
97	142	19.8	2000	30	29	62	66	87	WRE 80	80x2.5	50
115	175	24	1800	35	34	69	73	99	WRE 90	90x3	55
120	189	26	1700	35	34	74	79	104	WRE 95	95x3	60
125	203	28	1600	35	34	79	84	109	WRE 100	100x3	65
168	265	35	1400	43	40	85	91	119	WRE 110	110x4	70
194	300	39.5	1400	43	40	90	97	124	WRE 115	115x4	75
203	325	42.5	1300	49	46	97.5	105	137	WRE 125	125x4	80
211	350	45	1200	49	46	104.5	112	142	WRE 130	130x4	85
305	510	62	1100	54	51	109.5	118	152	WRE 140	140x4	90
315	530	64	1100	54	51	114	122	157	WRE 145	145x4	95
330	550	66	1000	54	51	118	128	162	WRE 150	150x4	100
395	680	78	900	65	62	132	143	182	WRE 170	170x4	110
410	740	83	900	65	63	141.5	153	196	WRE 180	180x4	120
540	960	105	800	77	75	157	170	216	WRE 200	200x4	130
430	790	87	800	65	63	151	160	206	WRE 190	190x4	
610	1100	118	750	77	73	166	181	226	WRE 210	210x5	140
445	840	91	750	65	63	160.5	170	216	WRE 200	200x4	
710	1260	131	700	81	77	176	192	245	WRE 225	225x5	150
465	920	98	700	65	61	175	185	226	WRE 210	210x5	
740	1360	140	650	89	85	189.5	207	260	WRE 240	240x5	160
480	970	101	700	65	61	184.5	196	236	WRE 220	220x5	
960	1750	174	600	99	97	201	220	282	WRE 260	260x5	170
490	1030	105	650	65	61	194.5	206	250	WRE 230	230x5	
1140	2130	205	550	110	108	218.5	239	302	WRE 280	280x5	180
500	1080	110	600	65	61	203.5	216	260	WRE 240	240x5	
1160	2210	211	550	110	108	226	248	312	WRE 290	290x5	190
520	1130	113	550	65	63	218	231	282	WRE 260	260x5	

满装圆柱滚子，双列，带密封

SL04 50..PP
SL04..PP系列



SL04 50..PP, SL04..PP

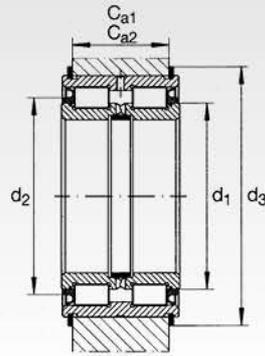
轴径 mm	代号	质量 ≈ kg	尺寸 mm									
			d	D	B	C	C ₁ +0.2	D ₁	m	r min.	t	x
200	SL04 5040 PP	40.8	200	310	150	149	128.2	304	6.3	0.6	2	126
	SL04 200 PP	13.2	200	270	80	79	73.2	264	5.2	0.6	1.8	64
220	SL04 5044 PP	52.5	220	340	160	159	138.2	334	6.3	1	2	132
	SL04 220 PP	19.5	220	300	95	94	83.2	294	5.2	1	2	72
240	SL04 5048 PP	56	240	360	160	159	138.2	354	6.3	1	2	132
	SL04 240 PP	21	240	320	95	94	83.2	314	6.3	1	2	72
260	SL04 5052 PP	84.5	260	400	190	189	162.2	394	6.3	1.1	3	150
	SL04 260 PP	22.5	260	340	95	94	83.2	334	6.3	1	3	75
280	SL04 5056 PP	90	280	420	190	189	163.2	413	7.3	1.1	3	150
300	SL04 5060 PP	126	300	460	218	216	185.2	453	7.3	1.1	3	170
	SL04 300 PP	25.5	300	380	95	94	83.2	374	6.3	1	3	75

- 1) 必须单独订货
WRE系列止动环可从本公司购到，但本公司不供应按DIN 471 规定的固定环。
- 2) 适用于WRE系列止动环。
- 3) 适用于按照DIN 471 规定的固定环。

- 1) An order must be placed individually.
The WRE series snap-ring can be purchased from our company. But we don't provide the fixed collar up to DIN 471.
- 2) suitable for WRE series snap-ring
- 3) suitable for fixed collar up to DIN 471

带止动环槽的圆柱滚子轴承

Cylindrical Roller Bearing With Snap Ring Grooves



安装尺寸

基本额定载荷		疲劳 载荷 P_u kN	极限 转速 nG 脂 r/min	安装尺寸 mm					止动环 WRE ¹⁾	固定环 DIN 471 ¹⁾	轴径 mm
动 C kN	静 C_0 kN			$Ca1^{2)}$ -0.2	$Ca2^{3)}$ -0.2	d_1	d_2	$d_3^{2)}$			
1350	2600	245	500	120	116	243.5	267	336	WRE 310	310x6	200
540	1210	119	550	65	63	227.5	241	292	WRE 270	270x5	
1570	3050	280	480	130	126	260.5	286	366	WRE 340	340x6	220
700	1550	150	480	75	73	249	264	322	WRE 300	300x5	
1630	3300	295	440	130	126	279.5	305	386	WRE 360	360x6	240
740	1700	160	480	75	71	272	287	346	WRE 320	320x6	
2380	4700	405	400	154	150	305.5	336	426	WRE 400	400x6	260
840	1990	182	440	75	71	293	310	366	WRE 340	340x6	
2600	5200	440	380	154	149	321.5	354	453	WRE 420	420x7	280
3000	5800	480	340	176	171	347.5	375	493	WRE 460	460x7	
900	2250	199	380	75	71	328.5	346	406	WRE 380	380x6	300

圆柱滚子轴承是由轴承内圈和外圈与挡边引导的圆柱滚子带保持架组成的完整单元。圆柱滚子轴承通常以挡边不同来区分，本公司生产的圆柱滚子轴承有N、NU、NJ、NUP、NF型和带止动环的NUP...N、NUP...NR型圆柱滚子轴承。

该类轴承具有高刚度，一般只用来承受径向负荷、载荷容量大。除满装滚子轴承外，均采用高刚性保持架，能够正确的引导滚子平行于轴线。



圆柱滚子轴承 Cylindrical Roller Bearing

The cylindrical roller bearing is composed of inner ring and roller guided by shoulder and with cage. The cylindrical roller is generally differentiated in accordance with the different shoulders. The cylindrical roller bearings made by our company include Model N, NU, NJ, NUP, NF and Model NUP...N, NUPN...NR with snap ring.

This kind of bearings has a high rigidity and high load carrying capacity, generally only withstanding the radial load. Except the full complement needle roller bearing, the bearings are equipped with high rigid cage correctly to guide the roller parallel to axis line.

圆柱滚子轴承的各种结构是以挡边的不同来区分的。NU型圆柱滚子轴承，其外圈上有两个挡边和一个无挡边的内圈。N型圆柱滚子轴承，其内圈有两个挡边而外圈无挡边。NU、N型圆柱滚子轴承都是游动轴承，内外圈是可以分离的，方便于安装和拆卸。NJ型轴承外圈上有双挡边，内圈上有单挡边；NF型轴承则是内圈上有双挡边，外圈上有单挡边，它们可以承受单向的轴向力。NUP型圆柱滚子轴承作为固定轴承，可以承受交变方向的轴向力，这种轴承外圈有双挡边和一个挡圈。



圆柱滚子轴承 Cylindrical Roller Bearing

The structure of cylindrical roller bearing is distinguished in accordance with the different shoulders. Model NU cylindrical roller bearing has the outer ring with two shoulders and one inner ring without shoulder. As for Model N cylindrical roller bearing, the inner ring has two shoulders and the outer ring has no shoulder. Model NU, N cylindrical roller bearings are running bearings. The inner ring and outer ring can be separated conveniently for mounting and dismounting. As for Model NJ cylindrical roller bearing, the outer ring has double shoulders and the inner ring has single shoulder. As for Model NF cylindrical roller bearing, the inner ring has double shoulder and the outer has single shoulder, they can withstand the single-directional axial force. Model NUP cylindrical roller bearing is used as fixing bearing, withstanding the alternate directional axial force. The outer ring of it has double shoulder and one baffle ring.

带止动环圆柱滚子轴承NUP...N、NUP...NR型。外圈有止动槽，内圈有单挡边带平挡圈的圆柱滚子轴承，是NUP型轴承在外圈上加一个止动环槽的变型，可简化轴承在外壳孔内的轴向紧固，外壳孔可做成通孔，从而缩小了部件的轴向尺寸。

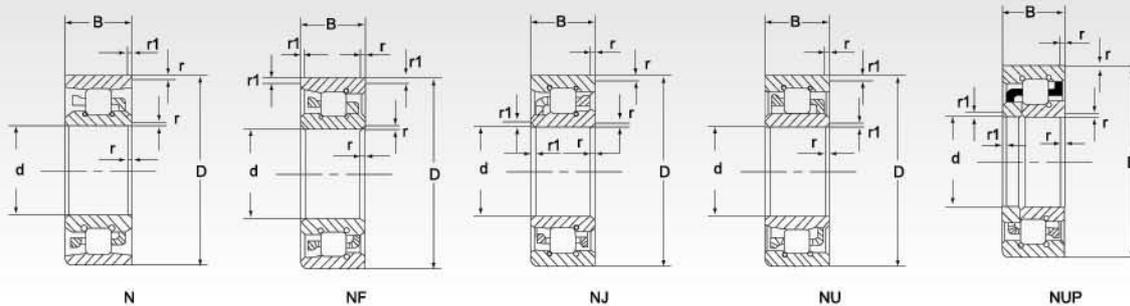


带止动环圆柱滚子轴承 Cylindrical Roller Bearings With Snap Ring

Model NUP...N, NUP...NR cylindrical roller bearings with snap ring,

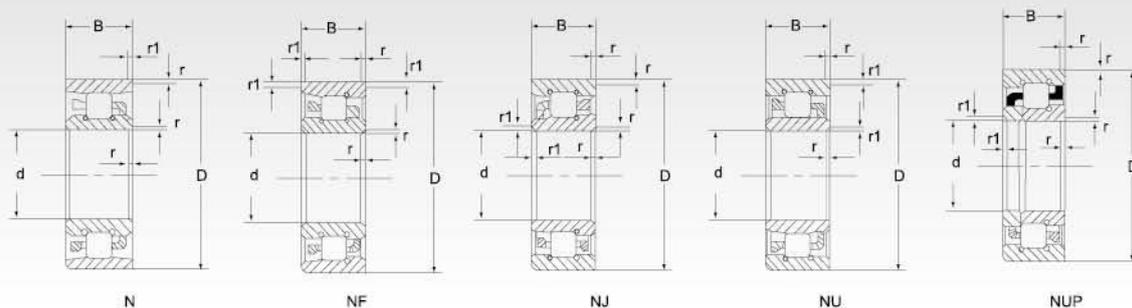
The cylindrical roller bearing with the outer ring with a stop slot in the inner ring and single-shoulder and flat baffle ring in the inner ring is the modified type with Model NUP bearing adding a stop slot. It can simplify the axial fastening of bearing in housing bore. Because of through hole in outer housing, the axial size can be reduced.

圆柱滚子轴承 Cylindrical Roller Bearings

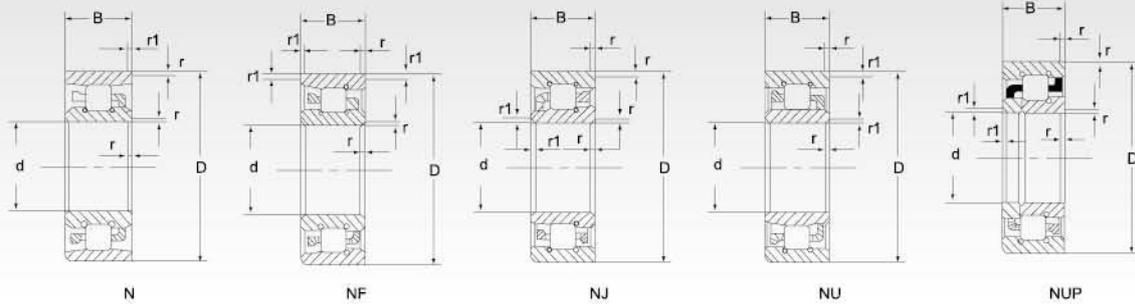


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx kg	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed	
	现型号 Current Code	原型号 Original Code		d	D	B	动 Dynamic	静 Static	脂润滑 Grease	油润滑 Oil
15	NU202EP		0.060	15	35	11	7960	6640		
	NJ202ECP			15	35	11	7960	6640		
17	NJ203			17	40	12	17300	12900		
	NJ203ECP			17	40	12	17300	12900		
	NJ203TVP3			17	40	12	17300	12900		
	NJ203ECP(K)			17	40	12	17300	12900		
	NU303ECP			17	47	14	22400	18000		
20	NJ204			20	47	14	16600	13900	17000	20000
	NJ204ECP		0.135	20	47	14	16600	13900	17000	20000
	NU204E		0.122	20	47	14	16600	13900	17000	20000
	NUP204ECP		0.140	20	47	14	16600	13900	17000	20000
	NJ204EM	42204EH		20	47	14	16600	13900	17000	20000
	NJ204ETVP3			20	47	14	16600	13900	17000	20000
25	NJ2204E		0.158	20	47	18	30500	28300	14000	16000
	N205E	2205E	0.148	25	52	15	27500	26800	11000	14000
	N205EM	2205EH	0.155	25	52	15	27500	26800	11000	14000
	NF205E	12205E	0.148	25	52	15	27500	26800	11000	14000
	NF205EM	12205EH	0.155	25	52	15	27500	26800	11000	14000
	NU205E	32205E	0.148	25	52	15	27500	26800	11000	14000
	NU205EM	32205EH	0.155	25	52	15	27500	26800	11000	14000
	NJ205ECP		0.148	25	52	15	27500	26800	11000	14000
	NJ205EM	42205EH	0.155	25	52	15	27500	26800	11000	14000
	NUP205E	92205E	0.148	25	52	15	27500	26800	11000	14000
	NUP205EM	92205EH	0.155	25	52	15	27500	26800	11000	14000
	NU205EV	32205EK	0.151	25	52	15	3000	33800	9000	11000
	N2205EM	2505EH	0.168	25	52	18	23700	22800	10000	14000
	NF2205EM	2505EH	0.168	25	52	18	23700	22800	10000	14000
	30	NJ2205EP		0.168	25	52	18	23700	22800	10000
NJ2205E		42505E	0.168	25	52	18	23700	22800	10000	14000
NJ2205EJ			0.168	25	52	18	23700	22800	10000	14000
NF305EM		12305		25	62	17				
NUP305EN		192305E		25	62	17				
NJ2305EM		42605EH	0.4	25	62	24	42700	40900	9000	12000
N206E		2206E	0.22	30	62	16	3600	35600	8500	11000
N206EM	2206EH	0.24	30	62	16	3600	35600	8500	11000	
NF206E	12206E	0.22	30	62	16	3600	35600	8500	11000	
NF206EM	12206EH	0.24	30	62	16	3600	35600	8500	11000	
NU206E	32206E	0.22	30	62	16	3600	35600	8500	11000	
NU206EM	32206EH	0.24	30	62	16	3600	35600	8500	11000	

圆柱滚子轴承 Cylindrical Roller Bearings

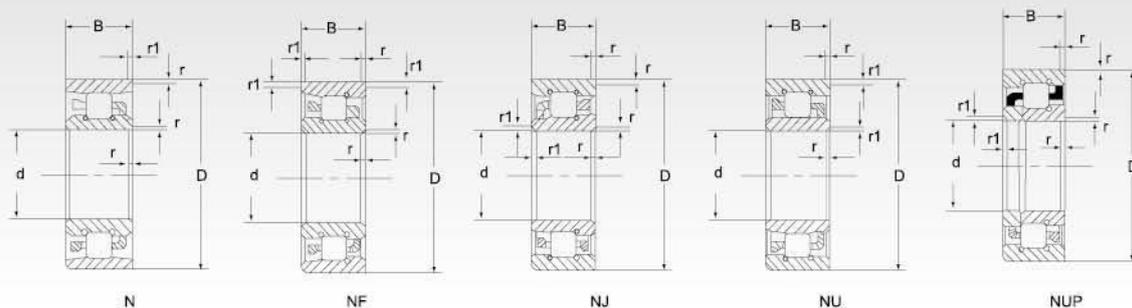


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx kg	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed	
	现型号 Current Code	原型号 Original Code		d	D	B	动 Dynamic	静 Static	脂润滑 Grease	油润滑 Oil
									N	
40	NF2208EM	12508EH	0.49	40	80	23	58.3	62	6000	9000
	NU2208M	32508H	0.53	40	80	23	58.3	62	6000	9000
	NJ2208EM	42508EH	0.49	40	80	23	58.3	62	6000	9000
	NUP2208EM	92508EH	0.49	40	80	23	58.3	62	6000	9000
	NUP2208EV	92508EK		40	80	23	84.7	95	6000	7400
	NU2308EM	32606EH	1.1	40	90	33	82.2	88	6300	8000
	NJ2308EM	42606EH	1.1	40	90	33	82.2	88	6300	8000
	NUP2308EM	92606EH	1.1	40	90	33	82.2	88	6300	8000
45	NJ1009ECM			45	75	16				
	NU209N		0.44	45	85	19	58.5	63.8	6300	8000
	NF209E	12209E	0.52	45	85	19	58.8	63.8	6300	8000
	NF209EM	12209EH	0.53	45	85	19	58.5	63.8	6300	8000
	NU209E	32209E	0.52	45	85	19	58.5	63.8	6300	8000
	NU209EM	32209EH	0.53	45	85	19	58.5	63.8	6300	8000
	NJ209ECP			45	85	19	58.5	63.8	6300	8000
	NJ209EM	42209EH	0.53	45	85	19	58.5	63.8	6300	8000
	NU2209ECP		0.567	45	85	23				
	NJ2209ECP			45	85	23				
	NU309ECP		0.938	45	100	25				
	NU309EN		0.95	45	100	25				
	NF309E	12309E	0.95	45	100	45	93	98	5600	7000
	NF309EM	12309EH	0.98	45	100	45	93	98	5600	7000
	NU309E	32309E	0.95	45	100	45	93	98	5600	7000
	NU309EM	32309EH	0.98	45	100	45	93	98	5600	7000
	NJ309E	42309E	0.95	45	100	45	93	98	5600	7000
	NJ309EM	42309EH	0.98	45	100	45	93	98	5600	7000
	NUP309E	92309E	0.95	45	100	45	93	98	5600	7000
	NUP309EM	92309EH	0.98	45	100	45	93	98	5600	7000
	NUP309EN	192309E	0.95	45	100	45	93	98	5600	7000
	NUP309ENV	192309EK	0.97	45	100	45	104	121	5000	6100
	NJ309EV	42309EK	0.97	45	100	45	104	121	5000	6100
	N2209EM	2509EH	0.54	45	85	23	61.4	67.8	5300	8000
	NF2209EM	12509EH	0.54	45	85	23	61.4	67.8	5300	8000
	NU2209EM	32509EH	0.54	45	85	23	61.4	67.8	5300	8000
	NJ2209EM	42509EH	0.54	45	85	23	61.4	67.8	5300	8000
	NUP2209EM	92509EH	0.54	45	85	23	61.4	67.8	5300	8000
	N2309EM	2609EH	0.51	45	100	36	106	113	5600	7000
	NU2309EM	32609EH	1.51	45	100	36	106	113	5600	7000
	NJ2309EM	42609EH	1.51	45	100	36	106	113	5600	7000

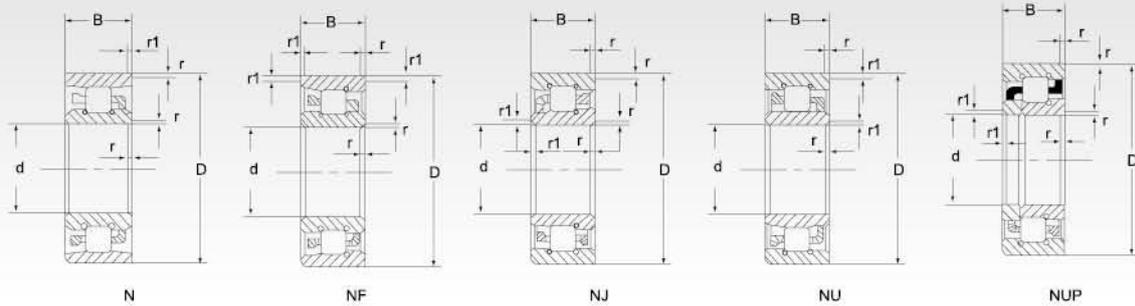


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx kg	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed	
	现型号 Current Code	原型号 Original Code		d	D	B	动 Dynamic	静 Static	脂润滑 Grease	油润滑 Oil
									N	
45	NUP2309EM	92609EH	1.51	45	100	36	106	113	5600	7000
50	N210E	2210E	0.56	50	90	20	61.2	69.2	6000	7500
	N210EM	2210EH	0.58	50	90	20	61.2	69.2	6000	7500
	NF210E	12210E	0.56	50	90	20	61.2	69.2	6000	7500
	NF210EM	12210EH	0.58	50	90	20	61.2	69.2	6000	7500
	NU210E	32210E	0.56	50	90	20	61.2	69.2	6000	7500
	NU210EM	32210EH	0.58	50	90	20	61.2	69.2	6000	7500
	NJ210E/C3		1.53	50	90	20				
	NJ210ECP			50	90	20				
	NUP210E	92210E	0.56	50	90	20	61.2	69.2	6000	7500
	NUP210EM	92210EH	0.58	50	90	20	61.2	69.2	6000	7500
	NUP210EN	192210E	0.56	50	90	20	61.2	69.2	6000	7500
	N310E	2310E	1.2	50	110	27	105	112	5300	6700
	N310EM	2310EH	1.31	50	110	27	105	112	5300	6700
	NF310E	12310E	1.2	50	110	27	105	112	5300	6700
	NF310EM	12310EH	1.31	50	110	27	105	112	5300	6700
	NU310E	32310E	1.2	50	110	27	105	112	5300	6700
	NU310EM	32310EH	1.31	50	110	27	105	112	5300	6700
	NJ310E	42310E	1.2	50	110	27	105	112	5300	6700
	NJ310EM	42310EH	1.31	50	110	27	105	112	5300	6700
	NUP210E	92310E	1.2	50	110	27	105	112	5300	6700
	NUP210EM	92310EH	1.31	50	110	27	105	112	5300	6700
	NJ310EV	42310EK	1.21	50	110	27	128	144	5000	6000
	NUP310EN	192310E	1.2	50	110	27	105	112	5300	6700
	NUP310ENV	192310EK	1.21	50	110	27	128	144	5000	6000
	N2210EM	2510EH	0.65	50	90	23	64.2	73.6	5000	7500
	NF2210EM	12510EH	0.65	50	90	23	64.2	73.6	5000	7500
	NU2210EM	32510EH	0.65	50	90	23	64.2	73.6	5000	7500
	NJ2210EM	42510EH	0.65	50	90	23	64.2	73.6	5000	7500
NUP2210EM	92510EH	0.65	50	90	23	64.2	73.6	5000	7500	
N2301 EM	2610EH	2.01	50	110	40	128	142	5300	6700	
NU2310EM	32610EH	2.01	50	110	40	128	142	5300	6700	
NJ2310EM	42610EH	2.01	50	110	40	128	142	5300	6700	
NUP211ECP				50	100	21				
55	NJ1011ECP			55	90	18				
	N211E	2211E	0.62	55	100	21	80.2	95.5	5300	6700
	NF211E	12211E	0.62	55	100	21	80.2	95.5	5300	6700
	NF211EM	12211EH	0.63	55	100	21	80.2	95.5	5300	6700
	NU21E	32211E	0.62	55	100	21	80.2	95.5	5300	6700

圆柱滚子轴承 Cylindrical Roller Bearings

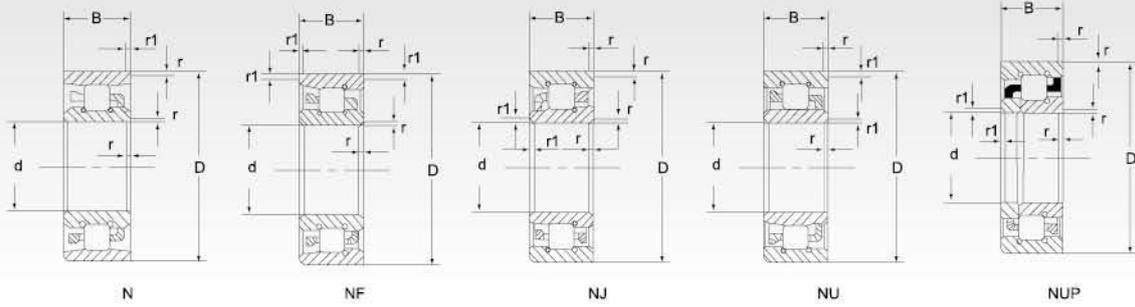


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx kg	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed	
	现型号 Current Code	原型号 Original Code		d	D	B	动 Dynamic	静 Static	脂润滑 Grease	油润滑 Oil
									N	
55	NU211EM	32211EH	0.63	55	100	21	80.2	95.5	5300	6700
	NJ211 E	42211E	0.62	55	100	21	80.2	95.5	5300	6700
	NJ211 EM	42211EH	0.63	55	100	21	80.2	95.5	5300	6700
	NUP211E	92211E	0.62	55	100	21	80.2	95.5	5300	6700
	NUP211EM	92211EH	0.63	55	100	21	80.2	95.5	5300	6700
	N311E	2311E	1.61	55	120	29	128	138	4800	6700
	N311EM	2311EH	1.7	55	120	29	128	138	4800	6000
	NF311E	12311E	1.61	55	120	29	128	138	4800	6000
	NF311EM	12311EH	1.7	55	120	29	128	138	4800	6000
	NU311E	32311E	1.61	55	120	29	128	138	4800	6000
	NU311EM	32311EH	1.7	55	120	29	128	138	4800	6000
	NJ311ECP		1.725	55	120	29	128	138	4800	6000
	NJ311 E	42311E	1.61	55	120	29	128	138	4800	6000
	NJ311EM	42311EH	1.7	55	120	29	128	138	4800	6000
	NUP311E	92311E	1.61	55	120	29	128	138	4800	6000
	NUP311EM	92311EH	1.7	55	120	29	128	138	4800	6000
	NUP311EN	192311E	1.61	55	120	29	128	138	4800	6000
	NUP311ENV	192311EV	1.69	55	120	29	163	175	4300	5000
	NUP311ENM	192311EH	1.7	55	120	29	128	138	4800	6000
	N2211 EM	2511EH	0.77	55	100	25	75.3	87.2	4300	6700
NF2211EM	12511EH	0.77	55	100	25	75.3	87.2	4300	6700	
NU2211EM	32511EH	0.77	55	100	25	75.3	87.2	4300	6700	
NJ2211		0.91	55	100	25					
NU2211M		0.916	55	100	25					
NU2311EM	32611EH	2.8	55	120	43	148	162	4800	6000	
NJ2311EM	42611EH	2.8	55	120	43	148	162	4800	6000	
NUP2311EM	92611EH	2.8	55	120	43	148	162	4800	6000	
60	N212E	2212E	0.84	60	110	22	89.8	102	5000	6300
	N212EM	2212EH	0.95	60	110	22	89.8	102	5000	6300
	NF212E	12212E	0.84	60	110	22	89.8	102	5000	6300
	NF212EM	12212EH	0.95	60	110	22	89.8	102	5000	6300
	NU212E	32212E	0.84	60	110	22	89.8	102	5000	6300
	NU121EM	32212EH	0.95	60	110	22	89.8	102	5000	6300
	NJ212E	42212E	0.84	60	110	22	89.8	102	5000	6300
	NJ212EM	42212EH	0.95	60	110	22	89.8	102	5000	6300
	NUP212E	92212E	0.84	60	110	22	89.8	102	5000	6300
	NUP212EM	92212EH	0.95	60	110	22	89.8	102	5000	6300
	N312E	2312E	1.94	60	130	31	142	155	4500	5600
	N312EM	2312EH	2.07	60	130	31	142	155	4500	5600

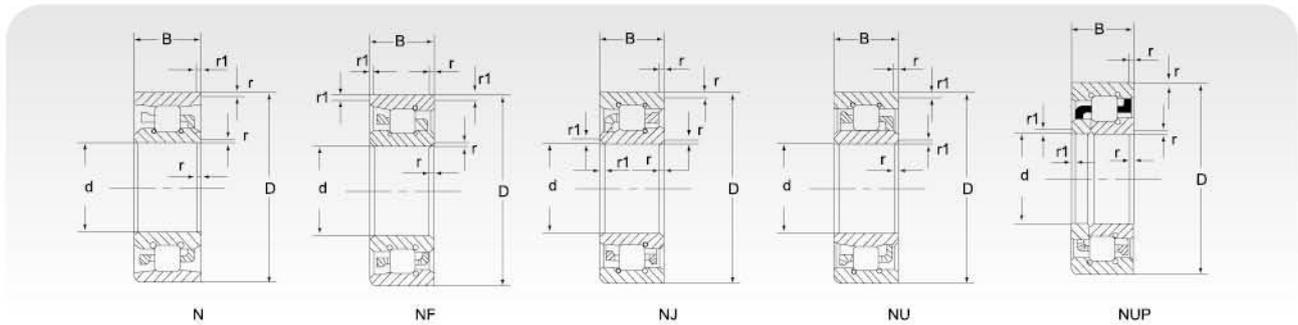


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx kg	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed	
	现型号 Current Code	原型号 Original Code		d	D	B	动 Dynamic	静 Static	脂润滑 Grease	油润滑 Oil
									N	
60	NF312E	12312E	1.94	60	130	31	142	155	4500	5600
	NF312EM	12312EH	2.07	60	130	31	142	155	4500	5600
	NU312E	32312E	1.94	60	130	31	142	155	4500	5600
	NU312EM	32312EH	2.07	60	130	31	142	155	4500	5600
	NJ312ECP		1.98	60	130	31	142	155	4500	5600
	NJ312EM	42312EH	2.07	60	130	31	142	155	4500	5600
	NUP312E	92312E	1.94	60	130	31	142	155	4500	5600
	NUP312EM	92312EH	2.07	60	130	31	142	155	4500	5600
	NUP312EV	92312EK	1.96	60	130	31	185	195	4000	4700
	N2212EM	2512EH	1.09	60	110	28	101	123	4000	6300
	NF2212EM	12512EH	1.09	60	110	28	101	123	4000	6300
	NU2212EM	32512EH	1.09	60	110	28	101	123	4000	6300
	NJ2212EM	42512EH	1.09	60	110	28	101	123	4000	6300
	NUP2212EM	92512EH	1.09	60	110	28	101	123	4000	6300
	N2312EM	2612EH	3.38	60	130	46	168	188	4500	5600
NU2312EM	32612EH	3.38	60	130	46	168	188	4500	5600	
NJ2312EM	42612EH	3.38	60	130	46	168	188	4500	5600	
65	N313E	2313E	2.42	65	140	33	170	188	4000	5000
	N313EM	2313EH	2.58	65	140	33	170	188	4000	5000
	NF313E	12313E	2.42	65	140	33	170	188	4000	5000
	NF313EM	12313EH	2.58	65	140	33	170	188	4000	5000
	NU131E	32313E	2.42	65	140	33	170	188	4000	5000
	NU3131EM	32313EH	2.58	65	140	33	170	188	4000	5000
	NJ313E	42313E	2.42	65	140	33	170	188	4000	5000
	NJ313EM	42313EH	2.58	65	140	33	170	188	4000	5000
	NUP313E	92313E	2.42	65	140	33	170	188	4000	5000
	NUP313EM	92313EH	2.58	65	140	33	170	188	4000	5000
NUP131EV	92313EK	2.51	65	140	33	210	240	3700	4200	
70	N314E	2314E	2.9	70	150	35	195	220	3800	4800
	N314EM	2314EH	3.04	70	150	35	195	220	3800	4800
	NF314E	12314E	2.9	70	150	35	195	220	3800	4800
	NF314EM	12314EH	3.04	70	150	35	195	220	3800	4800
	NU314E	32314E	2.9	70	150	35	195	220	3800	4800
	NU314EM	32314EH	3.04	70	150	35	195	220	3800	4800
	NJ314E	42314E	2.9	70	150	35	195	220	3800	4800
	NJ314EM	42314EH	3.04	70	150	35	195	220	3800	4800
	NUP314E	92314E	2.9	70	150	35	195	220	3800	4800
	NUP314EM	92314EH	3.04	70	150	35	195	220	3800	4800
NUP314ENM	192314EH	3.04	70	150	35	195	220	3800	4800	

圆柱滚子轴承 Cylindrical Roller Bearings



轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx kg	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed	
	现型号 Current Code	原型号 Original Code		d	D	B	动 Dynamic	静 Static	脂润滑 Grease	油润滑 Oil
									mm	
75	N315E	2315E	3.59	75	160	37	228	260	3600	4500
	N315EM	2315EH	3.88	75	160	37	228	260	3600	4500
	NF315E	12315E	3.59	75	160	37	228	260	3600	4500
	NF315EM	12315EH	3.88	75	160	37	228	260	3600	4500
	NU315E	32315E	3.59	75	160	37	228	260	3600	4500
	NU315EM	32315EH	3.88	75	160	37	228	260	3600	4500
	NJ315E	42315E	3.59	75	160	37	228	260	3600	4500
	NJ315EM	42315EH	3.88	75	160	37	228	260	3600	4500
	NUP315E	92315E	3.59	75	160	37	228	260	3600	4500
	NUP315EM	92315EH	3.88	75	160	37	228	260	3600	4500
	NUP315ENM	192315EH	3.84	75	160	37	228	260	3100	3700
80	NU1016M	32116H	1.21	80	125	22	72.5	90.5	5700	6700
	NJ216EM	42216	1.67	80	140	26	111	130	4800	5700
	NUP216E	92216E	1.58	80	140	26	139	167	4400	5100
	N216	2216	1.72	80	140	26	111	130	4800	5700
85	N217	2217	2.16	85	150	28	126	149	4500	5300
	NU217	32217	2	85	150	28	126	149	4500	5300
	NJ217	42217	2	85	150	28	126	149	4500	5300
	NU217E	32217E	2.08	85	150	28	167	199	4100	4800
90	NU218	32218	2.44	90	160	30	152	178	4300	5000
	NJ218	42218	2.44	90	160	30	152	178	4300	5000
	NJ218E	42218E	2.54	90	160	30	182	217	3900	4600
	NUP218M	92218H	2.5	90	160	30	182	217	4300	5000
	NJ218EUP(K)		2.4	90	160	30				
	NJ218EC(K)		2.43	90	160	30				

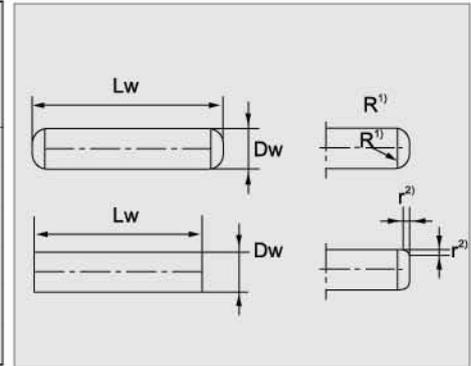


轴径 Shaft Diameter (mm)	轴承型号 Bearing Designation		重量 Mass 近似 Approx kg	外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed	
	现型号 Current Code	原型号 Original Code		d	D	B	动 Dynamic	静 Static	脂润滑 Grease	油润滑 Oil
其他非标系列										
20	TJ-602-747			20	37.8	18				
	M6X			20	56	15				
24.985	MUB1205			24.985	52	20.6				
25	NJ2205-3VHSH			25	52	18				
	RSL182205			25	46.52	18				
	M9W			25	52	21				
	M10W			25	55	18				
30	RSL182206			30	55.19	20				
	NJ206EXICS42			30	60	16				
	CBK239			30	62	19				
	F-204045			30	62	16				
36	F93666.2			36	46.2	20				
40	RNU5208			40	78	14				
43.8	2207-SYRIW II			43.8	72	23				
44	RN153			44	72	17				
49.93	JC8003			49.93	80	15				
49.95	CBK238			49.95	80	15				

表1、尺寸公差和几何精度

Table 1 Dimension Tolerance and Geomtrical Precision

质量等级 Quality Grade	偏差 Daviation μm	每个类别公差 Group of Sort Deviation μm	每个类别公差 Group of Sort Deviation μm	圆度公差 Roundness Tolerance	长度公差 Length Tolerance
G2	0-10	2	0-2,-1-3,-2-4	0.8	h13
			-3-5,-4-6,-5-7		
			-6-8,-7-9,-8-10		
G3	0-10	3	0-3,-1.5-4.5,-3-6	1.2	
			-4.5-7.5,-6-9,-7-10		
G5	0-10	5	0-5,-3-8,-5-10	2	



规格 Spec (mm)	重量 Mass 每1000件 Kg/1000Pcs	外形尺寸 mm Boundary Dimensions	
		Dw	Lw
NR1 x 5.8	0.034	1	5.8
NR1 x 6.8	0.042	1	6.8
NR1 x 7.8	0.047	1	7.8
NR1 x 9.8	0.059	1	9.8
NR1.5 x 5.8	0.08	1.5	5.8
NR1.5 x 6.8	0.094	1.5	6.8
NR1.5 x 7.8	0.108	1.5	7.8
NR1.5 x 9.8	0.136	1.5	9.8
MR1.5 x 11.8	0.164	1.5	11.8
NRI.5 x 13.8	0.191	1.5	13.8
NR2 x 6.3	0.14	2	6.3
NR2 x 7.8	0.19	2	7.8
NR2 x 9.8	0.24	2	9.8
NR2 x 11.8	0.29	2	11.8
NR2 x 13.8	0.34	2	13.8
NR2 x 15.8	0.39	2	15.8
NR2 x 17.8	0.44	2	17.8
NR2 x 19.8	0.49	2	19.8
NR2 x 21.8	0.54	2	21.8
NR2.5 x 7.8	0.3	2.5	7.8
NR2.5 x 9.8	0.38	2.5	9.8
NR2.5 x 11.8	0.45	2.5	11.8
NR2.5 x 13.8	0.53	2.5	13.8
NR2.5 x 15.8	0.61	2.5	15.8
NR2.5 x 17.8	0.69	2.5	17.8
NR2.5 x 19.8	0.76	2.5	19.8
NR2.5 x 21.8	0.84	2.5	21.8
NR2.5 x 23.8	0.92	2.5	23.8
NR3 x 9.8	0.54	3	9.8
NR3 x 11.8	0.65	3	11.8
NR3 x 13.8	0.76	3	13.8
NR3 x 15.8	0.87	3	15.8
NR3 x 17.8	0.99	3	17.8
NR3 x 19.8	1.1	3	19.8
NR3 x 21.8	1.21	3	21.8
NR3 x 23.8	1.32	3	23.8
NR3 x 25.8	1.43	3	25.8
NR3 x 27.8	1.54	3	27.8
NR3 x 29.8	1.61	3	29.8

规格 Spec (mm)	重量 Mass 每1000件 Kg/1000Pcs	外形尺寸 mm Boundary Dimensions	
		Dw	Lw
NR3.5 x 11.8	0.91	35	11.8
NR3.5 x 13.8	1.05	35	13.8
NR3.5 x 15.8	1.19	35	15.8
NR3.5 x 17.8	1.35	35	17.8
NR3.5 x 19.8	1.51	35	19.8
NR3.5 x 21.8	1.67	35	21.8
NR3.5 x 23.8	1.85	35	23.8
NR3.5 x 25.8	1.96	35	25.8
NR3.5 x 27.8	2.1	35	27.8
NR3.5 x 29.8	2.25	35	29.8
NR3.5 x 34.8	2.65	35	34.8
NR4 x 15.8	1.55	4	15.8
NR4 x 17.8	1.75	4	17.8
NR4 x 19.8	1.95	4	19.8
NR4 x 21.8	2.14	4	21.8
NR4 x 23.8	2.33	4	23.8
NR4 x 25.8	2.53	4	25.8
NR4 x 27.8	2.62	4	27.8
NR4 x 29.8	2.95	4	29.8
NR4 x 34.8	3.4	4	34.8
NR4 x 39.8	3.9	4	39.8
NR5 x 19.8	3.03	5	19.8
NR5 x 21.8	3.36	5	21.8
NR5 x 23.8	3.58	5	23.8
NR5 x 25.8	3.98	5	25.8
NR5 x 27.8	4.18	5	27.8
NR5 x 29.8	4.6	5	29.8
NR5 x 34.8	5.4	5	34.8
NR5 x 39.8	6.15	5	39.8
NR5 x 49.8	7.5	5	49.8

1) 端头半径/Radius of End

R在 $\frac{Dw}{2}$ 和 $\frac{Lw}{2}$ 之间 R is between $\frac{Dw}{2}$ and $\frac{Lw}{2}$

2) 倒角尺寸/Dimension of Chamfer

直径/Diameter 倒角尺寸/Chamfer Dimension

Dw	r	最小/Min	最大/Max
超过/Over	3	0.1	0.6
到/Less than	5	0.1	0.9





NK, NKS
RNA49, RNA48



BK



HK



KBK



KZK



K



NAO



RNAO



NA 69



NA49..2RS



RNA 69



NKI, NKIS
NA49, NA48



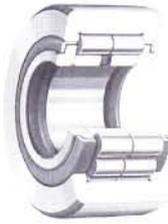
KR



NA22...2RS



NATR



NUTR



STO



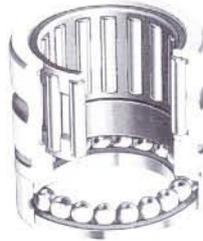
RPNA



K811, K812



NKIB



NX



NKXR



NKIA



NUKR



SL0450..PP
SL04..PP



SL 1048
SL 1049



SL 1923



SL 1829
SL 1830
SL 1822



HFL



HF



纺机轴承