

■ 冲压外圈滚针离合器

冲压外圈滚针离合器、冲压外圈滚针离合器和轴承组件由冲压外圈和塑料保持架组成。是离合器中具有最小的径向截面高度。因其最佳空间使用性，常用来传递高转矩。可作为转换器、止回装置及超越离合器。

1、结构形式

轴 承 型 号		文 字 说 明
公制系列	英制系列	
HF	FC	钢弹簧冲压外圈滚针离合器
HF...KF	RC	塑料弹簧冲压外圈滚针离合器
HF...R		钢弹簧冲压外圈滚针离合器，外圈部分滚花
HF...KFR		塑料弹簧冲压外圈滚针离合器，外圈部分滚花
HFL	FCB	钢弹簧冲压外圈滚针离合器和轴承组件
HFL...KF	RCB	塑料弹簧冲压外圈滚针离合器和轴承组件
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
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
HTLK		变形结构

2、检验

将滚针离合器压入标准环规中用塞规检查，环规壁厚大于 20mm。

3、安装

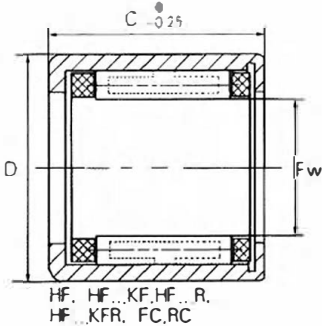
滚针离合器装入座孔中后，不需要另行轴向定位。安装座孔公差与冲压外圈滚针轴承相同，座孔表面粗糙度小于 Ra0.8。

滚针离合器的内接圆直径与冲压外圈滚针轴承相同。轴的硬度应在 HV670 ~ 840。并磨削。

4、工作温度

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 度 ~ +120 度范围内运行。塑料弹簧的滚针离合器可在 -10 度 ~ +70 度范围内运行。

冲压外圈滚针离合器



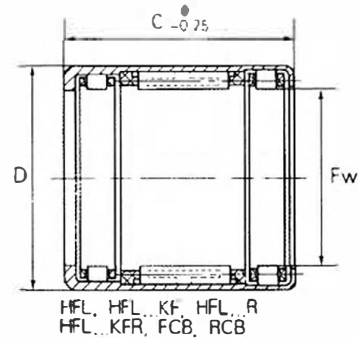
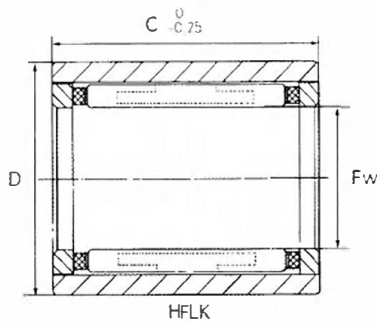
轴径 shaft Diameter mm	轴承型号 Bearing Designation		重量 Mass 近似 Approx g	外形尺寸 Boundary Dimen- Fw signs D C			传动力矩 Permissible Torque Md Nm	极限转速 Limiting Speed		适用的冲压 外圈滚针轴承 Suitable Drawn Cup Bearings
	塑料弹簧 Plastic Springs	塑料弹簧 Steel Springs						轴旋转 Rotating Shaft Min ¹	轴旋转 Rotating Outer Ring Min ¹	
3	HF0306KF	—	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	0.1	34000	8000	HK0408TN
6	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	0.5	23000	13000	HK0608
	—	HF061210	3.5	6	12	10	3	20000	13000	HK061208
8	—	HF0812	3.5	8	12	12	3.15	17000	12000	HK0808
	—	HF0812R	3.5	8	12	12	4	17000	12000	HK0808
	HF0812KF	HF081210	3.2	8	12	10	3	16000	12000	HK0808
	HF0812KFR	HF081410	3.6	8	14	10	4.6	15000	11000	HK081410
	—	HF081610	4.1	8	16	10	5.5	15000	11000	HK081610
	—	HF081412	4	8	14	12	5	16000	12000	HK081410
10	HF1012KF	HF1012	4	10	14	12	5.3	14000	11000	HK1010
	HF1012KFR	HF1012R	4	10	14	12	1.5	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	主 要 尺 寸			
		dr	D	B	传动力矩
FC4K	1	4	8	6	0.34
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	20.5
FC20	17	20	26	16	28.5
FC25	30	25	32	20	66
FC30	36	30	37	20	90
FC35	40	35	42	20	121

型 号	重 量	主 要 尺 寸			
		dr	D	B	传动力矩
RC02	2	3.175	7.15	6.35	0.32
RC040708	3.5	6.35	11.112	12.7	1.9
RC040708-FS	3.5	6.35	11.112	12.7	1.9
RC061008	4.7	9.525	15.875	12.7	4.83
RC061008-FS	4.7	9.525	15.875	12.7	4.83
RC081208	9.2	12.7	19.05	12.7	7.9
RC081208-FS	9.2	12.7	19.05	12.7	7.9
RC101410	14.5	15.875	22.225	15.88	15.4
RC101410-FS	14.5	15.875	22.225	15.88	15.4
RC121610	17	19.05	25.4	15.88	20.9
RC121610-FS	17	19.05	25.4	15.88	20.9
RC162110	16.2	25.4	33.338	15.88	45
RC162110-FS	16.2	25.4	33.338	15.88	45

极限转速对油和脂润滑均有效，宽度偏差 $\begin{matrix} 0 \\ -0.25 \end{matrix}$ mm，特殊订货时说明。

冲压外圈滚针离合器和轴承组件



轴径 shaft Diameter	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		基本额定负荷 Basic Load Ratings	
	塑料弹簧	塑料弹簧		Fw	D	C		轴旋转 Rotating Shaft Min'	轴旋转 Rotating Outer Ring Min'	C	Co
	Plastic Springs	Steel Springs		g	mm			Nm	Shaft Min'	Ring Min'	KN
3	HFL0308K	—	3	3	6.5	8	1	—	—	—	—
4	HFL0408K	—	3.5	4	8	8	1.5	—	—	—	—
6	HFL0615KF	HFL0615K	4	6	10	15	1.76	23000	13000	—	—
	HKL0615KFR	HFL0615KR	4	6	10	15	0.5	23000	13000	—	—
	—	HFL061012K	5	6	10	12	—	21000	12000	—	—
8	—	HFL081212K	6	8	12	12	—	2000	12000	—	—
	—	HFL081412K	7	8	14	12	—	19000	12000	—	—
	HFL0822KF	HFL0822	7	8	12	22	3.15	17000	12000	4.05	4.15
	HFL0822KFR	HFL0822R	7	8	12	22	1	17000	12000	—	—
	HFL1022KF	HFL1022	8	10	14	22	5.3	14000	11000	4.3	4.65
10	HFL1022KFR	HFL1022R	8	10	14	22	1.5	14000	11000	—	—
12	—	HFL1226	18	12	18	26	12.2	11000	8000	6.3	6.5
14	—	HFL1426	20	14	20	26	17.3	9500	8000	7.1	7.7
16	—	HFL1626	22	16	22	26	20.5	8500	7500	7.7	9
18	—	HFL1826	25	18	24	26	24.1	7500	7500	8.3	10.3
20	—	HFL2026	27	20	26	26	28.5	7000	6500	8.9	11.5
25	—	HFL2530	44	25	32	30	66	5500	5500	10.9	14.1
30	—	HFL3030	51	30	37	30	90	4500	4500	12.6	17.6
35	—	HFL3530	58	35	42	30	121	3900	3900	13	19.3

型 号	重 量 g	主要尺寸				传动力矩
		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
		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-FS	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-FS	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

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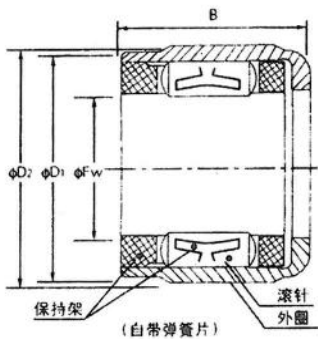
小型单向轴承 EWC、IWC 型号特征

分类	EWO 系列 (塑料弹簧)		IWC 系列 (金属弹簧)
	重型	轻型	重型
	EWC...C	EWC...A	IWC
扭力	重负荷	轻负荷	重负荷
允许工作温度	-10~90° C		
止 动 寿 命	止动次数可以用 100 万次以上 (在适合的扭力范围内)		
配 合 要 求	材料：树脂 齿轮精确度标准：齿轮精确度达标 JGMA 6 级		
备 注	单向离合器外壳采用镀镍防锈，滚针用不锈钢材料，性能和重型轴承相似		

注：外壳可根据齿轮的形状，滑轮和凸轮轴的时限设计。

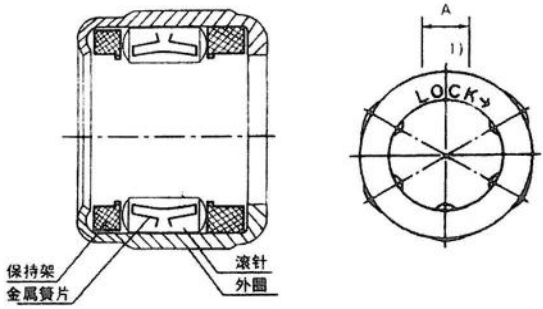
单向轴承 EWC 系列

Clutch bearings EWC series



单向轴承 IWC 系列

Clutch bearings IWC series



轴径 Shaft diameter mm	轴承型号 Bearing designation		重量 Mass g		外形尺寸 Boundary dimensions					传动力 Torque capacity	
	EWC series (with metal spring)	IWC series (with metal spring)	EWC	IWC	FW	D ₁	D ₂	B	A	(n.m)(kgf.cm)	
4	EWC0406A EWC0406C	--	1.0	--	4	8	8.4	6	2.6	0.08 0.15	0.8 1.5
6	EWC0606XA EWC0606XC	--	1.4	--	6	10	10.4	6 8 12	2.8	0.19 0.33	1.9 3.4
	EWC0608A EWC0608C	--	1.7	--						0.25 0.44	2.5 4.5
	--	IWC0608	--	2.0						0.88	9
	--	IWC0612	--	3.0							
8	EWC0809A EWC0809C	--	2.4	--	8	12	12.4	9	2.6	0.49 0.88	5 9
	EWC0812A EWC0812C	--	5.8	--	8	14.2	15	12 14.5	3.6	1.18 1.96	12 20
	--	IWC0812 IWC0815	--	7.0 8.0						2.65	27
10	EWC1007	--	5.2	--	10	16	17	7	7	1	10
	--	IWC100914	--	3.0	10	14	14.4	9	2.5	2.25	23
	EWC1010A EWC1010C	--	6.0	--	10	16	17	10 12	5	1.18 1.96	12 20
	EWC1012A EWC1012C	--	6.8	--						1.37 2.35	14 24
	--	IWC1012	--	8.0						2.35	24
12	EWC1209C	--	6.2	--	12	18	19	9 16	5.1	3.04 6.28	31 64
	--	IWC1216	--	12							

冲压外圈滚针轴承

冲压外圈滚针轴承的外圈是用薄钢板精密冲压成形，结构空间小，是具有较大负荷容量。适用于安装空间受到限制和壳体孔不宜作为滚道的场合。且压入座孔后不必进一步轴向定位。该类滚针轴承一般不用内圈，如果需要使用内圈，可从样本中选取。同穿孔型冲压外圈滚针轴承相比，封口型冲压外圈滚针轴承对轴端轴承部位的密封极为有效。脂润滑滚针轴承长期使用温度为 $-20^{\circ}\text{C} \sim 120^{\circ}\text{C}$ 。

1. 主要结构形式

公制系列：HK、BK、F、FH、FY、MF、MFH、MFY。

英制系列：SCE、BCE、SCH、BCH、SN、B、BH、M、MH。

例： HK 20 20 2RS ASI

HK 一穿孔型冲压外圈滚针轴承 内切圆直径 宽度

BK 一封口型冲压外圈滚针轴承

F 一穿孔型冲压外圈满装滚针轴承

FH 一穿孔型冲压外圈满装滚针轴承(重系列)

FY 一穿孔型冲压外圈满装滚针轴承(油脂限位)

MF 一封口型冲压外圈满装滚针轴承

MFH 一封口型冲压外圈满装滚针轴承(重系列)

MFY 一封口型冲压外圈满装滚针轴承(油脂限位)

SCE 一穿孔型冲压外圈滚针轴承

BCE 一封口型冲压外圈滚针轴承

SCH 一穿孔型冲压外圈滚针轴承(重系列)

BCH 一封口型冲压外圈滚针轴承(重系列)

SN 一穿孔型冲压外圈满装滚针轴承

B 一穿孔型冲压外圈满装滚针轴承

BH 一穿孔型冲压外圈满装滚针轴承(重系列)

M 一封口型冲压外圈满装滚针轴承

MH 一封口型冲压外圈满装滚针轴承(重系列)

RS 一一个密封圈，配公制系列

2RS 一二个密封圈，配公制系列

P 一一个密封圈，配英制系列

PP 一二个密封圈，配英制系列

ASI / oH 一油孔

2. 尺寸检查

由于薄壁外圈在加工过程中可能不圆，所以冲压外圈滚针轴承尺寸精度在安装前无法检验。只有当压入到具有推荐公差极限的轴承座孔中时，轴承才可达到所必需的几度精度。(见表 4)

冲压外圈滚针轴承的内切圆直径偏差的检查方法如下：

(1)把轴承压入环规中(壁厚 $\geq 20\text{mm}$)，环规的尺寸按表 2 的规定。

(2)用圆柱形通规和止规检查轴承的内切圆直径。

根据ZBJ11020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。座孔尺寸偏差符合推荐规定(见)。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 accuacy 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.

推荐的安装座孔和轴的尺寸

表1

轴承类型	轴承座材料	座孔公差	轴公差	
			无内圈	有内圈
HK HKH TLA BK BKH TLAM HN FY YTL MFY	钢或铸铁 Steel or Cast-iron	N6(N7)	h5(h6)	k5(j6)
	有色金属或壁厚小于6mm Light alloy or wall thickness of housing bore less than 6mm	R6(R7)		
TA TAM SCE SCH BA BHA J JH BSE BCH BAM BHAM MJ MJH YT SN Y YB CSN MY	钢或铸铁 Steel or Cast-iron	J6(J7)	h5(h6)	k5(j6)
	有色金属或壁厚小于6mm Light alloy or wall thickness of housing bore less than 6mm	M6(M7)		
HCK	钢或铸铁 Steel or Cast-iron	F7	k6	-

对于非刚性轴承座，需要进行安装实验，以便确定所需的轴公差极限来获得期望的工作间隙。

轴承单一宽带偏差 ΔC_s 为 -0.25 mm

Bearing single width deviationg ΔC_s is -0.25 mm

关于冲压外圈滚针轴承的滚针内接圆直径的偏差的正确检测方法

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

- 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℃;

"In measuring, the inspected bearing and standard part should be under same temperature. The standard temperature for inspection is 20℃"

- 2.成套轴承滚针组的内接圆检测：是将轴承压入环规（壁厚 $\geq 20\text{mm}$ ），用通止规检测；

Bearing bore should be checked with “go” and “no go” plug gauges

- 3.通规的尺寸是轴承内接圆最小尺寸;

The “go” gauge size is the minimum diameter inside the needle rollers.

- 4.止规的尺寸比滚针内侧的最大尺寸大, 具体大的尺寸量如下

The “no go” gauge size is larger than the maximum diameter inside the needle rollers by the following amounts:

公制Metric Series -- 0.0020 millimeters

英制Inch Series -- 0.0001 inch

0.00008 inch

0.0025 millimeters

冲压外圈滚针轴承检验环规及内接圆 FW 偏差按表 2~4 的规定

冲压外圈滚针轴承的检验尺寸 (公制)

Dimensional tolerance for inscribed circle dia

表2 mm

公称内径Fw Nominal inscribed circle dia.	公称外径D Nominal outer ring outer dia.	环规内径 Ring gauge bore dia.	内复圆公差 Tolerance for inscribed circle diameter	
			最小Low	最大High
3	6.5	6.484	3.006	3.024
4	8	7.984	4.010	4.028
5	9	8.984	5.010	5.028
6	10	9.984	6.010	6.028
7	11	10.980	7.013	7.031
8	12	11.980	8.013	8.031
	14	13.980	8.013	8.031
	15	14.995	8.013	8.031
9	13	12.980	9.013	9.031
	15	14.980	9.013	9.031
	16	15.995	9.013	9.031
10	14	13.980	10.013	10.031
	16	15.980	10.013	10.031
	17	16.995	10.013	10.031
12	16	15.980	12.016	12.034
	18	17.980	12.016	12.034
	19	18.995	12.016	12.034
14	20	19.976	14.016	14.034
	22 (HKH)	21.976	14.016	14.034
	22 (TA)	21.995	14.016	14.034
15	21	20.976	15.016	15.034
	22	21.995	15.016	15.034
	23	22.976	15.016	15.034
16	22	21.976	16.016	16.034
	24 (HKH)	23.976	16.016	16.034
	24 (TA)	23.995	16.016	16.034
17	23	22.976	17.016	17.034
	24	23.995	17.016	17.034
	25	24.976	17.016	17.034
18	24	23.976	18.016	18.034
	25	24.995	18.016	18.034
	26	25.976	18.016	18.034
20	26	25.976	20.020	20.041
	27	26.995	20.020	20.041
	28	27.976	20.020	20.041
22	28	27.976	22.020	22.041
	29	28.995	22.020	22.041
	30	29.976	22.020	22.041
25	32	31.972	25.020	25.041
	33	32.994	25.020	25.041
	35	34.972	25.020	25.041
28	35	34.972	28.020	28.041
	37	36.994	28.020	28.041
	38	37.972	28.020	28.041
30	37	36.972	30.020	30.041
	40 (HKH)	39.972	30.020	30.041
	40 (TA)	39.994	30.020	30.041
32	39	38.972	35.025	35.050
	42 (HKH)	41.972	35.025	35.050
	42 (TA)	41.994	35.025	35.050
35	42	41.972	35.025	35.050
	45 (HKH)	44.972	35.025	35.050
	45 (TA)	44.994	35.025	35.050
40	47	46.972	40.025	40.050
	50 (HKH)	49.972	40.025	40.050
	50 (TA)	49.994	40.025	40.050
45	52	51.967	45.025	45.050
	55 (HKH)	54.967	45.025	45.050
	55 (TA)	54.994	45.025	45.050
50	58	57.967	50.025	50.050
	62	61.994	50.025	50.050

冲压外圈滚针轴承的检验尺寸 (英制)

Dimensional tolerance for inscribed circle dia

表3 mm

公称内径Fw Nominal inscribed circle dia.	公称外径D Nominal outer ring outer dia.	环规内径 Ring gauge bore dia.	内复圆公差 Tolerance for inscribed circle diameter	
			最小Low	最大High
6.350	11.112	11.125	6.388	6.411
7.938	12.700	12.713	7.976	7.998
7.938	14.288	14.300	7.976	7.998
9.525	14.288	14.300	9.563	9.586
9.525	15.875	15.888	9.563	9.586
11.112	15.875	15.888	11.151	11.173
11.112	17.462	17.475	11.151	11.173
12.700	17.462	17.475	12.738	12.761
12.700	19.050	19.063	12.738	12.761
14.288	19.050	19.063	14.326	14.348
14.288	20.638	20.650	14.326	14.348
15.875	20.638	20.650	15.913	15.936
15.875	22.225	22.238	15.913	15.936
17.462	22.225	22.238	17.501	17.523
17.462	25.400	25.387	17.501	17.523
19.050	25.400	25.387	19.063	19.086
19.050	26.988	26.975	19.063	19.086
20.638	26.988	26.975	20.650	20.673
20.638	28.575	28.562	20.650	20.673
22.225	28.575	28.562	22.238	22.261
22.225	30.162	30.150	22.238	22.261
23.812	30.162	30.150	23.825	23.848
25.400	31.750	31.737	25.413	25.436
25.400	33.338	33.325	25.413	25.436
26.988	33.338	33.325	27.000	27.023
28.575	34.925	34.912	28.588	28.611
28.575	38.100	38.087	28.588	28.611
30.162	38.100	38.087	30.175	30.198
31.750	38.100	38.087	31.763	31.786
31.750	41.275	41.262	31.763	31.786
34.925	41.275	41.262	34.938	34.963
34.925	44.450	44.437	34.938	34.963
38.100	47.625	47.612	38.113	38.141
41.275	50.800	50.787	41.288	41.316
44.450	53.975	53.962	44.463	44.493
47.625	57.150	57.137	47.638	47.668
50.800	60.325	60.312	50.815	50.846
52.390	64.290	64.280	52.413	52.449
53.980	63.500	63.487	53.990	54.026
57.150	66.680	66.662	57.165	57.201

汽车万向节滚针轴承的检验尺寸 (HCK)

Bearing series for universal joints
Dimensional tolerance for inscribed circle dia 表4 mm

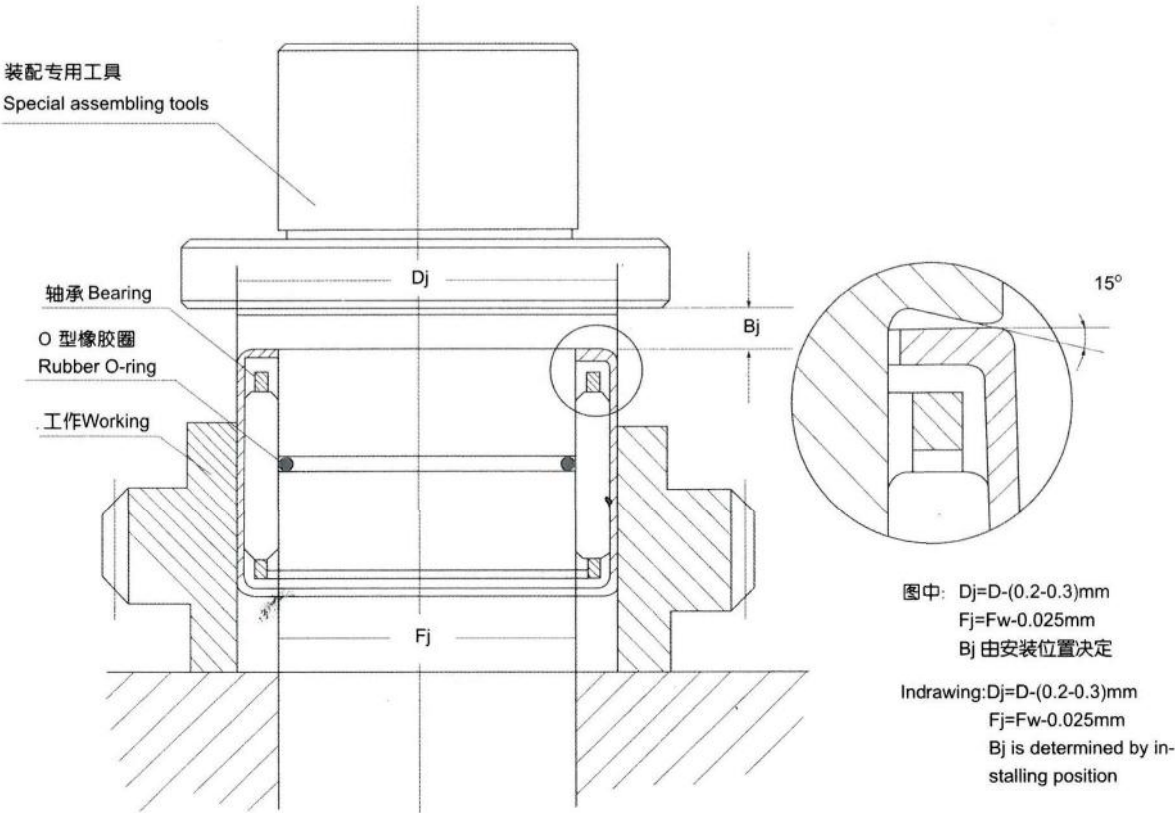
公称内径Fw Nominal inscribed circle dia.	公称外径D Nominal outer ring outer dia.	环规内径 Ring gauge bore dia.	内复圆公差 Tolerance for inscribed circle diameter	
			最小\Low	最大High
10.000	15.000	15.016	10.026	10.011
11.656	17.100	17.116	11.687	11.669
13.000	19.000	19.020	13.031	13.013
14.000	20.000	20.020	14.031	14.013
16.000	22.000	22.020	16.031	16.013
18.000	24.000	24.020	18.031	18.013
18.000	24.600	24.620	18.031	18.013
20.000	27.900	27.920	20.038	20.017

安装

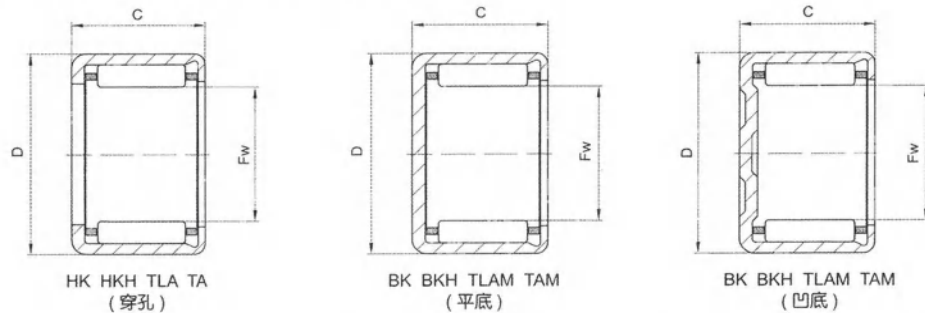
为了避免冲压外圈产生局部变形或脆裂，防止滚针的正常工作遭受破坏。禁止在安装轴承时使用手锤等工具敲击薄壁外圈，应使用压力机或专用安装工具进行安装，参考轴承安装方法示意图如下：

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.

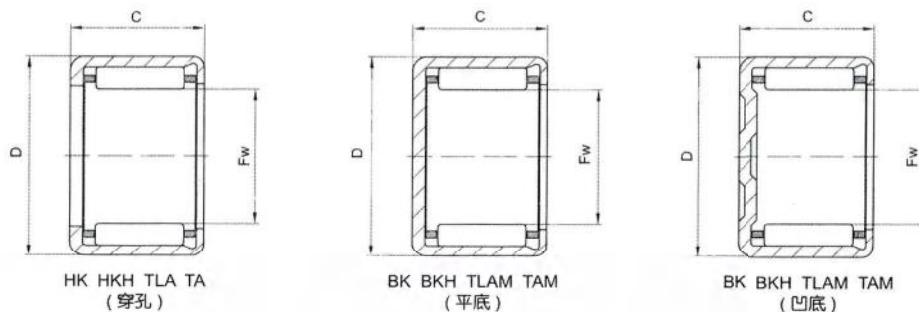


冲压外圈滚针轴承（公制）



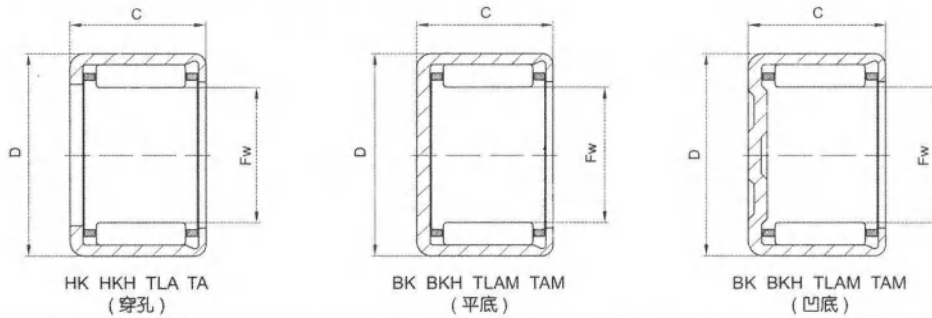
轴 径 Shaft Diameter	轴承型号 Bearing Designation				外形尺寸 Boundary Dimension			基本额定载荷 Basic Load Rating		极限转速 Limiting Speed
	穿孔型 Open end	近似重量 g	封口型 Closed end	近似重量 g	Fw	D	C	动 Cr Dynamic	静 Cor Static	润滑油 Oil
	mm					mm		N		rpm
3	HK0306TN	1	BK0306TN	1	3	6.5	6	1230	840	48000
4	HK0408TN	1.6	BK0408TN	1.8	4	8	8	1540	1070	40000
	TLA48TN	1.6	TLAM48TN	1.8	4	8	8	1540	1070	40000
5	HK0508				5	9	8	2200	1790	36000
	HK0509	2	BK0509	2	5	9	9	1862	1568	36000
	HK0509TN	2	BK0509TN		5	9	9	1862	1568	36000
	TLA59TN	2	TLAM59TN		5	9	9	1862	1568	36000
	TLA59	2	TLAM59	2	5	9	9	1862	1568	36000
6	HK0607	1.8	BK0607		6	10	7	1600	1400	30000
	HK0608	1.9	BK0608		6	10	8	2100	1900	22000
	HK0609	2.1	BK0609	2.3	6	10	9	2500	2400	22000
	TLA69	2.1	TLAM69	2.3	6	10	9	2500	2400	22000
7	HK0708	2.1	BK0708		7	11	8	2300	2200	20000
	HK0709	2.5	BK0709	2.7	7	11	9	2700	2700	20000
	TLA79	2.5	TLAM79	2.7	7	11	9	2700	2700	20000
8	HK0808	2.4	BK0808	3	8	12	8	2400	2400	19000
	HK0808TN	2.4	BK0808TN		8	12	8	2400	2400	-
	HK0809	2.7	BK0809		8	12	9	2900	3100	19000
	HK0810	3	BK0810	3.3	8	12	10	3300	3700	19000
	HK0812	3.6	BK0812		8	12	12	4100	4320	19000
	HK0814	-	BK0814		8	12	14			19000
	HKH0810	5.5	BKH0810		8	14	10	3400	3200	19000
	HKH0812	6.6	BKH0812		8	14	12	5400	4400	19000
	TLA0808	2.4	TLAM0808	3	8	12	8	2400	2400	19000
	TLA0809	2.7	TLAM0809		8	12	9	2900	3100	19000
	TLA0810	3	TLAM0810	3.3	8	12	10	3300	3700	19000
	TLA0812	3.6	TLAM0812		8	12	12	4100	4320	19000
	TLA0814	-	TLAM0814		8	12	14			19000
	TA0812	-	TAM0812		8	15	12	-	-	19000
9	HK0908	3	BK0908		9	13	8	2700	2900	18000
	HK0910	3.4	BK0910	3.6	9	13	10	3700	4400	18000
	HK0912	4	BK0912	4.3	9	13	12	4700	5900	18000
	HK0914	4.9	BK0914		9	13	14	5600	7400	18000
	HKH0910	5.9	BKH0910		9	15	10	3700	3600	18000
	HKH0912	7.2	BKH0912		9	15	12	4800	5000	18000
	HKH0914	8.4	BKH0914		9	15	14	5800	6500	18000
	HKH0916	9.8	BKH0916		9	15	16	6800	7900	18000
	TLA910	3.4	TLAM910	3.6	9	13	10	3700	4400	18000
	TLA912	4	TLAM912	4.3	9	13	12	4700	5900	18000

冲压外圈滚针轴承（公制）



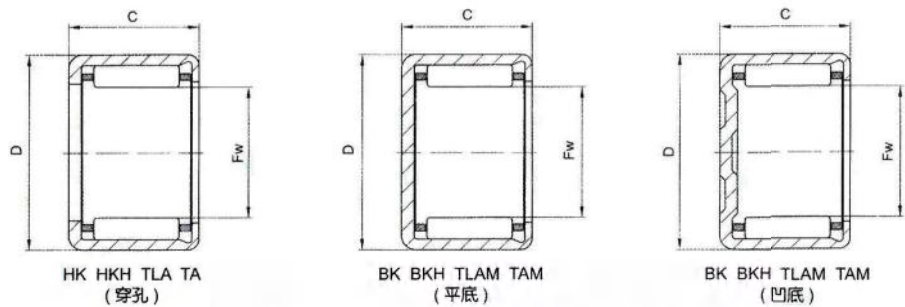
轴 径 Shaft Diameter	轴承型号 Bearing Designation				外形尺寸 Boundary Dimension			基本额定载荷 Basic Load Rating		极限转速 Limiting Speed
	穿孔型 Open end	近似重量 g	封口型 Closed end	近似重量 g	Fw	D	C	动 Cr Dynamic	静 Cor Static	润滑油 Oil
	mm					mm		N		rpm
9	TA912	8.7	TAM912	9.2	9	16	12	5096	4900	18000
	TA916	11.4	TAM916	11.9	9	16	16	6958	7252	18000
10	HK1010	3.7	BK1010	4	10	14	10	3900	4800	17000
	HK1012	4.4	BK1012	4.8	10	14	12	4900	6400	17000
	HK1014	5.3	BK1014		10	14	14	5800	8000	17000
	HK1015	5.5	BK1015	5.9	10	14	15	6370	9016	17000
	HKH1010	6.4	BKH1010		10	16	10	3900	4000	17000
	HKH1012	7.8	BKH1012		10	16	12	5100	5600	17000
	HKH1014	9.1	BKH1014		10	16	14	6200	7300	17000
	TLA1012	4.4	TLAM1012	4.8	10	14	12	4900	6400	17000
	TLA1015	5.5	TLAM1015	5.9	10	14	15	6370	9016	17000
	TA1010	7.9	TAM1010	8.5	10	17	10	4116	3822	17000
	TA1012	9.3	TAM1012	10	10	17	12	5586	5586	17000
	TA1015	11.5	TAM1015	12.2	10	17	15	6958	7252	17000
	TA1020	15.4	TAM1020	16	10	17	20	9996	11662	17000
12	HK1208	3.3	37941/12		12	16	8	7200	8000	19000
	HK1210	4.3	BK1210	4.7	12	16	10	4300	5600	15000
	HK121810	7.3	BK121810		12	18	10	4400	4900	15000
	HK1212		BK1212	9.4	12	18	12	5300	7500	15000
	HK121614	6	BK121614		12	16	14	6300	9400	15000
	HK121814	10.6	BK121814		12	18	14	7000	8800	15000
	HK121816	12.2	BK121816		12	18	16	8200	10800	15000
	HK121818	13.8	BK121818		12	18	18	93000	12800	15000
	TLA1210	4.3	TLAM1210	4.7	12	16	10	4300	5600	15000
	TLA1212	8.6	TLAM1212	9.4	12	18	12	5300	7500	15000
	TA1212	10.5	TAM1212	11.5	12	19	12	5978	6272	15000
	TA1215	13.1	TAM1215	14	12	19	15	7448	8330	15000
	TA1220	17.3	TAM1220	18.3	12	19	20	10682	13328	15000
13	HK1311	8.5	-		13	19	11	6300	6300	14000
	HK1312	9.2	BK1312	10.1	13	19	12	6200	7100	17000
	TLA1312	9.2	TLAM1312	10.1	13	19	12	6200	7100	17000
14	HK1410	8.3	BK1410		14	20	10	4900	5800	15000
	HK1412	9.8	BK1412	10.8	14	20	12	6300	8100	15000
	HK1416	13.2	BK1416	14.3	14	20	16	9000	12800	15000
	HK1418	15.6	BK1418		14	20	18	10200	15000	15000
	HK1420	17.5	BK1420		14	20	20	11500	17200	15000
	HKH1414	15.7	BKH1414		14	22	14	8800	9600	15000
	HKH1416	18.1	BKH1416		14	22	16	10500	12000	15000
	HKH1418	20.5	BKH1418		14	22	18	12200	14200	15000

冲压外圈滚针轴承（公制）



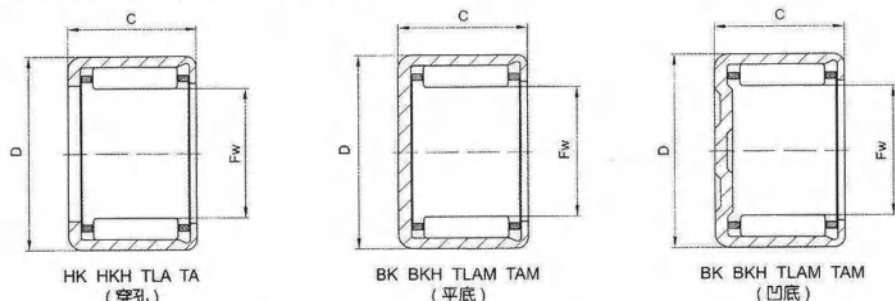
轴 径 Shaft Diameter	轴承型号 Bearing Designation				外形尺寸 Boundary Dimension			基本额定载荷 Basic Load Rating		极限转速 Limiting Speed
	穿孔型 Open end	近似重量 g	封口型 Closed end	近似重量 g	Fw	D	C	动 Cr Dynamic	静 Cor Static	润滑油 Oil
	mm				mm			N		rpm
14	HKH1420	23.1	BKH1420		14	22	20	13500	16800	15000
	TLA1412		TLAM1412	10.8	14	20	12	6300	8100	15000
	TLA1416	13.2	TLAM1416	14.3	14	20	16	9000	12800	15000
	TA1416	18.4	TAM1416	19.6	14	22	16	10486	12054	15000
	TA1420	23	TAM1420	24	14	22	20	13818	17248	15000
15	HK1510	8.7	BK1510		15	21	10	5100	6200	14000
	HK1512	10.4	BK1512	11.5	15	21	12	6600	8700	14000
	HK1514	12.7	BK1514		15	21	14	8000	11200	14000
	HK1516	14	BK1516	15.2	15	21	16	9400	13800	14000
	HK1518	16.5	BK1518		15	21	18	10800	16200	14000
	HK1520	18.5	BK1520		15	21	20	12000	18500	14000
	HK1522	19.1	BK1522	20.5	15	21	22	10400	16500	14000
	HKH1512	13.9	BKH1512		15	23	12	7500	7900	14000
	HKH1514	16.6	BKH1514		15	23	14	9400	10500	14000
	HKH1516	19.3	BKH1516		15	23	16	11200	13200	14000
	HKH1518	21.8	BKH1518		15	23	18	12800	15800	14000
	HKH1520	24.4	BKH1520		15	23	20	14500	18500	14000
	TLA1512	10.4	TLAM1512	11.5	15	21	12	6600	8700	14000
	TLA1516	14	TLAM1516	15.2	15	21	16	9400	13800	14000
	TLA1522	19.1	TLAM1522	20.5	15	21	22	10400	16500	14000
	TA1510	10.8	TAM1510	12.3	15	22	10	5292	5684	14000
	TA1512	12.9	TAM1512	14.3	15	22	12	7154	8330	14000
	TA1515	15.9	TAM1515	17.3	15	22	15	8820	10976	14000
	TA1520	21	TAM1520	22.5	15	22	20	12740	17542	14000
	TA1525	25	TAM1525	26.5	15	22	25	16268	24108	14000
16	HK1610	9	BK1610		16	22	10	5300	6600	13000
	HK1612	11	BK1612	12.2	16	22	12	6800	9300	13000
	HK1614	13	BK1614		16	22	14	8300	12000	13000
	HK1616	14.8	BK1616	16.1	16	22	16	9700	14500	13000
	HK1618	17.2	BK1618		16	22	18	11200	17200	13000
	HK1620	19.2	BK1620		16	22	20	12500	20000	13000
	HK1622	20	BK1622	21.5	16	22	22	11100	17400	13000
	HKH1612	14.1	BKH1612		16	24	12	7500	8000	13000
	HKH1614	17	BKH1614		16	24	14	9400	10800	13000
	HKH1616	20	BKH1616	22	16	24	16	11200	13200	13000
	HKH1618	22.3	BKH1618		16	24	18	12800	16000	13000
	HKH1620	24.9	BKH1620		16	24	20	14500	18800	13000
	TLA1612	11	TLAM1612	12.2	16	22	12	6800	9300	13000
	TLA1616	14.8	TLAM1616	16.1	16	22	16	9700	14500	13000

冲压外圈滚针轴承（公制）



轴 径 Shaft Diameter mm	轴承型号 Bearing Designation				外形尺寸 Boundary Dimension			基本额定载荷 Basic Load Rating		极限转速 Limiting Speed
	穿孔型 Open end	近似重量 g	封口型 Closed end	近似重量 g	Fw	D	C	动 Cr Dynamic	静 Cor Static	润滑油 Oil
						mm		N		rpm
16	TLA1622	20	TLAM1622	21.5	16	22	22	11100	17400	13000
	TA1616	20	TAM1616	22	16	24	16	11200	13200	13000
	TA1620	25	TAM1620	27	16	24	20	14602	19012	—
17	HK1710	9.3	BK1710		17	23	10	5500	7100	12000
	HK1712	11.5	BK1712	13	17	23	12	7100	9900	12000
	HK1714	13.7	BK1714		17	23	14	8600	12800	12000
	HK1716	15.9	BK1716		17	23	16	8500	12500	12000
	HK1718	18.1	BK1718		17	23	18	9500	10600	12000
	HK1720	20.5	BK1720		17	23	20	13500	22500	12000
	HKH1712	14.9	BKH1712		17	25	12	7900	8800	12000
	HKH1714	17.8	BKH1714		17	25	14	9900	11800	12000
	HKH1716	20.7	BKH1716		17	25	16	11800	14500	12000
	HKH1718	23.5	BKH1718		17	25	18	13500	17500	12000
	HKH1720	26.4	BKH1720		17	25	20	15200	20500	12000
	TLA1712	11.5	TLAM1712	13	17	23	12	7100	9900	12000
	TA1715	17.6	TAM1715	19.5	17	24	15	9604	12740	12000
	TA1720	23.5	TAM1720	25	17	24	20	13916	20384	12000
18	HK1810	9.9	BK1810		18	24	10	5600	7500	11000
	HK1812	12	BK1812	13.7	18	24	12	7300	10500	11000
	HK1814	14.5	BK1814		18	24	14	8900	13500	11000
	HK1816	16.2	BK1816	17.9	18	24	16	10600	15300	12000
	HK1820	21.2	BK1820		18	24	20	13200	22500	11000
	HKH1820	27.8	BKH1820		18	26	20	16200	22200	11000
	HKH1812	15.7	BKH1812		18	26	14	8300	9500	11000
	HKH1814	18.8	BKH1814		18	26	14	10500	12900	11000
	HKH1818	24.8	BKH1818		18	26	18	14200	19000	11000
	TLA1812	12	TLAM1812	13.7	18	24	12	7300	10500	11000
	TLA1816	16.2	TLAM1816	17.9	18	24	16	10600	15300	12000
	TA1820	24.5	TAM1820	26.5	18	25	20	14504	21756	11000
20	HK2010	11.8	BK2010		20	26	10	6000	8400	10000
	HK2012	13.2	BK2012	15.2	20	26	12	7800	11800	10000
	HK2014	15.7	BK2014		20	26	14	9500	15200	10000
	HK2016	17.8	BK2016	19.9	20	26	16	11200	18500	10000
	HK2018	20.8	BK2018		20	26	18	12500	21800	10000
	HK2020	22	BK2020	24	20	26	20	13700	24000	10000
	HK2030	33	BK2030	35	20	26	30	21800	40000	10000
	HKH2014	20.3	BKH2014		20	28	14	11000	13800	10000
	HKH2016	23.6	BKH2016		20	28	16	13000	17200	10000
	HKH2018	26.8	BKH2018		20	28	18	15000	20800	10000

冲压外圈滚针轴承（公制）

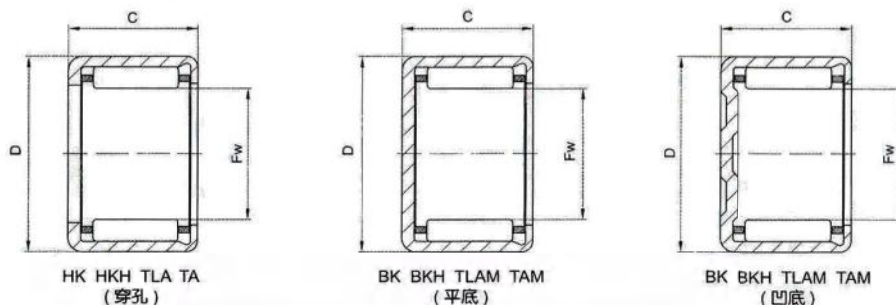


轴 径 Shaft Diameter	轴承型号 Bearing Designation				外形尺寸 Boundary Dimension			基本额定载荷 Basic Load Rating		极限转速 Limiting Speed
	穿孔型 Open end	近似重量 g	封口型 Closed end	近似重量 g	Fw	D	C	动 Cr Dynamic	静 Cor Static	润滑油 Oil
	mm				mm			N		rpm
20	HKH2020	30.2	BKH2020		20	28	20	16800	24200	10000
	HKH2012	17.1	BKH2012		20	28	12	8700	10200	10000
	TLA2012	13.2	TLAM2012	15.2	20	26	12	7800	11800	10000
	TLA2016	17.8	TLAM2016	19.9	20	26	16	11200	18500	10000
	TLA2020	22	TLAM2020	24	20	26	20	13700	24000	10000
	TLA2030	33	TLAM2030	35	20	26	30	21800	40000	10000
	TA2020	26.5	TAM2020	29	20	27	20	14994	23422	9900
	TA2030	39.5	TAM2030	42	20	27	30	23128	40964	9900
22	HK2210	12.3	BK2210		22	28	10	6300	9300	9500
	HK2212	15	BK2212	18.1	22	28	12	8200	13000	9500
	HK2214	17.2	BK2214		22	28	14	10000	16800	9500
	HK2216	20.9	BK2216	24	22	28	16	11400	18100	9500
	HK2218	22.5	BK2218		22	28	18	13200	24200	9500
	HK2220	26.2	BK2220	29	22	28	20	15000	27800	9500
	HKH2220	32.4	BKH2220		22	30	20	17500	26000	9500
	HKH2212	18.4	BKH2212		22	30	12	9100	11200	9500
	HKH2214	21.9	BKH2214		22	30	14	11200	15000	9500
	HKH2216	25.3	BKH2216		22	30	16	13500	18500	9500
	HKH2218	28.9	BKH2218		22	30	18	15500	22200	9500
	TLA2212	15	TLAM2212	18.1	22	28	12	8200	13000	9500
	TLA2216	20.9	TLAM2216	24	22	28	16	11400	18100	9500
	TLA2220	26.2	TLAM2220	29	22	28	20	15000	27800	9500
	TA2210	15	TAM2210	18.1	22	29	10	6664	8526	9500
	TA2215	21.5	TAM2216	24.5	22	29	15	11074	16366	9500
	TA2220	29	TAM2220	32	22	29	20	15974	26264	9500
25	HK2512	19.7	BK2512	23.5	25	32	12	9100	13200	9000
	HK2514	21.9	BK2514		25	32	14	11500	17500	9000
	HK2516	26	BK2516	29.5	25	32	16	13500	22000	9000
	HK2518	28.8	BK2518		25	32	18	15500	26500	9000
	HK2520	32	BK2520	36	25	32	20	17500	30800	9000
	HK2524	39.3	BK2524		25	32	24	21200	39500	9000
	HKH2514	29.9	BKH2514		25	35	14	12200	14000	9000
	HKH2516	35	BKH2516		25	35	16	15000	18200	9000
	HKH2518	40	BKH2518		25	35	18	17500	22500	9000
	HKH2520	44.9	BKH2520		25	35	20	20200	26800	9000
	HKH2524	54.8	BKH2524		25	35	24	25000	35200	9000
	TLA2512	19.7	TLAM2512	23.5	25	32	12	9100	13200	9000
	TLA2516	26	TLAM2516	29.5	25	32	16	13500	22000	9000
	TLA2520	32	TLAM2520	36	25	32	20	17500	30800	9000

专业创造品质，品质成就未来！

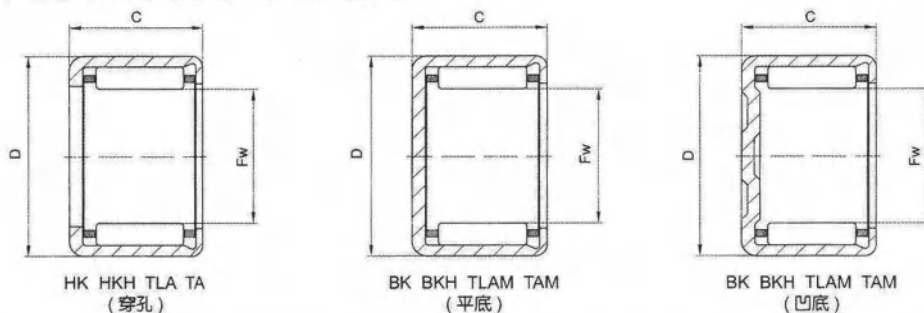
Specialization is quality, quality is future!

冲压外圈滚针轴承（公制）



轴 径 Shaft Diameter	轴承型号 Bearing Designation				外形尺寸 Boundary Dimension			基本额定载荷 Basic Load Rating		极限转速 Limiting Speed
	穿孔型 Open end	近似重量 g	封口型 Closed end	近似重量 g	Fw	D	C	动 Cr Dynamic	静 Cor Static	润滑油 Oil
	mm					mm		N		rpm
25	TA2520	36.5	TAM2520	40.5	25	33	20	19502	31066	9000
28	HK2812	20	BK2812		28	35	12	9500	14500	9000
	HK2814	24	BK2814		28	35	14	12000	19500	9000
	HK2816	28.5	BK2816	33.5	28	35	16	14200	24200	9000
	HK2818	31.7	BK2818		28	35	18	16200	29200	9000
	HK2820	35.5	BK2820	40.5	28	35	20	18500	34000	9000
	HK2824	43.2	BK2824		28	35	24	22500	43500	9000
	HKH2814	33.2	BKH2814		28	38	14	13200	16200	9000
	HKH2816	38.8	BKH2816		28	38	16	16500	21200	9000
	HKH2818	44.4	BKH2818		28	38	18	19200	26200	9000
	HKH2820	49.8	BKH2820		28	38	20	22200	31000	9000
	HKH2824	60.8	BKH2824		28	38	24	27500	41000	9000
	TLA2816	28.5	TLAM2816	33.5	28	35	16	13818	23422	9000
	TLA2820	35.5	TLAM2820	40.5	28	35	20	18500	34000	9000
	TA2820	45	TAM2820	50	28	37	20	21168	32242	9000
30	HK3012	23.5	BK3012	29	30	37	12	10000	15800	8000
	HK3016	30.5	BK3016	36	30	37	16	15000	26500	8000
	HK3018	34.5	BK3018	40	30	37	18	17200	31800	8000
	HK3020	38	BK3020	43.5	30	37	20	19200	37000	8000
	HK3024	46	BK3024		30	37	24	23500	47500	8000
	HK3026	49	BK3026	54.5	30	37	26	24000	50000	8100
	HKH3016	41.1	BKH3016		30	40	16	17000	22800	8000
	HKH3018	47	BKH3018		30	40	18	20200	28000	8000
	HKH3020	52.8	BKH3020		30	40	20	23000	33200	8000
	HKH3024	64.4	BKH3024		30	40	24	28500	43800	8000
	TLA3012	23.5	TLAM3012	29	30	37	12	10000	15800	8000
	TLA3016	30.5	TLAM3016	36	30	37	16	15000	26500	8000
	TLA3018	34.5	TLAM3018	40	30	37	18	17200	31800	8000
	TLA3020	38	TLAM3020	43.5	30	37	20	19200	37000	8000
	TA3020	54.5	TAM3020	60	30	40	20	24500	36260	8000
32	HK3212	22.7	BK3212		32	39	12	10500	17200	7500
	HK3214	27.2	BK3214		32	39	14	13200	23000	7500
	HK3216	31.3	BK3216		32	39	16	15500	28500	7500
	HK3218	35.8	BK3218		32	39	18	18000	34200	7500
	HK3220	40.4	BK3220		32	39	20	20200	40000	7500
	HK3224	49	BK3224		32	39	24	24500	51500	7500
	HK3232	66.4	BK3232		32	39	32	22600	54300	7100
	HKH3214	37.2	BKH3214		32	42	14	14500	18500	7500
	HKH3216	43.5	BKH3216		32	42	16	17800	24200	7500

冲压外圈滚针轴承（公制）

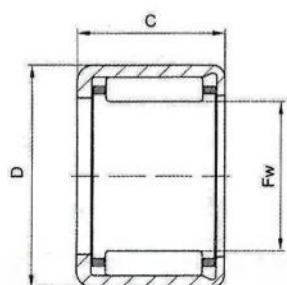


轴 径 Shaft Diameter	轴承型号 Bearing Designation				外形尺寸 Boundary Dimension			基本额定载荷 Basic Load Rating		极限转速 Limiting Speed
	穿孔型 Open end	近似重量 g	封口型 Closed end	近似重量 g	Fw	D	C	动 Cr Dynamic	静 Cor Static	润滑油 Oil
	mm				mm			N		rpm
32	HKH3218	49.7	BKH3218		32	42	18	20800	29800	7500
	HKH3220	55.8	BKH3220		32	42	20	23800	35500	7500
	HKH3224	68.1	BKH3224		32	42	24	29500	46800	7500
	TA3220	57.5	TAM3220	63.5	32	42	20	25382	38612	7500
35	HK3512	27	BK3512	34.5	35	42	12	10800	18500	7000
	HK3514	29.3	BK3514		35	42	14	13500	24500	7000
	HK3516	35	BK3516	42.5	35	42	16	15700	27500	7000
	HK3518	38.7	BK3518		35	42	18	18500	37000	7000
	HK3520	43.5	BK3520	51	35	42	20	20800	41000	7000
	HK3524	52.8	BK3524		35	42	24	25500	55500	7000
	HKH3520	59.8	BKH3520		35	45	20	24500	37800	7000
	HKH3514	39.8	BKH3514		35	45	14	14800	19800	7000
	HKH3516	46.5	BKH3516		35	45	16	18200	25800	7000
	HKH3518	53.2	BKH3518		35	45	18	21500	31800	7000
	HKH3524	72.9	BKH3524		35	45	24	30200	49800	7000
	TLA3512	27	TLAM3512	34.5	35	42	12	10800	18500	7000
	TLA3516	35	TLAM3516	42.5	35	42	16	15700	27500	7000
	TLA3520	43.5	TLAM3520	51	35	42	20	20800	41000	7000
	TA3512	38.5	TAM3512	46	35	45	12	14798	19894	—
	TA3520	62.5	TAM3520	70	35	45	20	27048	43120	—
40	HK4012	30	BK4012	40	40	47	12	11500	21200	6300
	HK4014	33.1	BK4014		40	47	16	14500	28200	6300
	HK4016	39	BK4016	49	40	47	16	17200	35200	6300
	HK4018	43.7	BK4018		40	47	18	20000	42200	6300
	HK4020	49	BK4020	58.8	40	47	20	22500	49200	6300
	HK4024	59.6	BK4024		40	47	24	27200	63500	6300
	HKH4014	45.1	BKH4014		40	50	14	16200	23200	6300
	HKH4016	52.7	BKH4016		40	50	16	20000	30200	6300
	HKH4018	60.3	BKH4018		40	50	18	23500	37200	6300
	HKH4020	67.7	BKH4020		40	50	20	26800	44500	6300
	HKH4024	75	BKH4024		40	50	24	26800	44500	6300
	TLA4012	30	TLAM4012	40	40	47	12	11500	21200	6300
	TLA4016	39	TLAM4016	49	40	47	16	17200	35200	6300
	TLA4020	49	TLAM4020	58.8	40	47	20	22500	49200	6300
	TA4020	69.5	TAM4020	79	40	50	20	28420	47824	—
45	HK4512	30.8	BK4512		45	52	12	12200	23800	5300
	HK4514	36.8	BK4514		45	52	14	15500	31800	5300
	HK4516	43.5	BK4516	56	45	52	16	18500	39500	5300
	HK4518	48.6	BK4518		45	52	18	21200	47500	5300

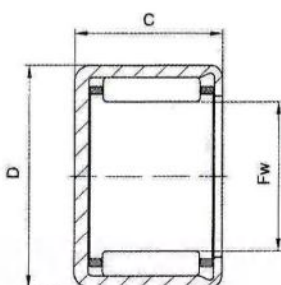
专业创造品质, 品质成就未来!

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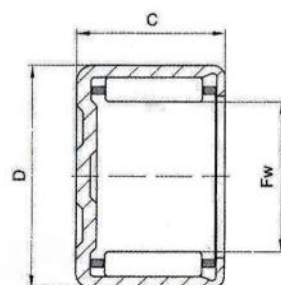
冲压外圈滚针轴承 (公制)



HK HKH TLA TA
(穿孔)



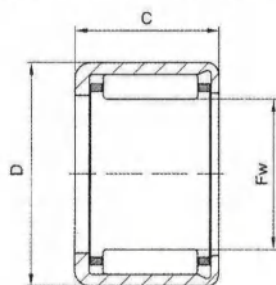
BK BKH TLAM TAM
(平底)



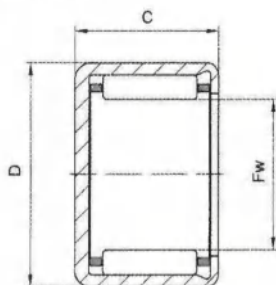
BK BKH TLAM TAM
(凹底)

轴 径 Shaft Diameter	轴承型号 Bearing Designation				外形尺寸 Boundary Dimension			基本额定载荷 Basic Load Rating		极限转速 Limiting Speed
	穿孔型 Open end	近似重量 g	封口型 Closed end	近似重量 g	Fw	D	C	动 Cr Dynamic	静 Cor Static	润滑油 Oil
					mm			N		rpm
45	HK4520	54.5	BK4520	67	45	52	20	22000	51000	5300
	HK4524	66.4	BK4524		45	52	24	29000	71200	5300
	HKH4514	49.6	BKH4514		45	55	14	17000	25500	5300
	HKH4516	58.1	BKH4516		45	55	16	20800	33500	5300
	HKH4518	66.4	BKH4518		45	55	18	24500	41200	5300
	HKH4520	74.6	BKH4520		45	55	20	28200	50000	5300
	HKH4524	91.1	BKH4524		45	55	24	34800	64500	5300
	TLA4516	43.5	TLAM4516	56	45	52	16	18500	39500	5300
	TLA4520	54.5	TLAM4520	67	45	52	20	22000	51000	5300
	TA4520	77	TAM4520	90	45	55	20	30576	54586	—
50	HK5012	44.2	BK5012		50	58	12	23600	57200	5300
	HK5016	52.7	BK5016		50	58	16	21200	43500	4800
	HK5018	60	BK5018		50	58	18	24500	52200	4800
	HK5020	69	BK5020	84.5	50	58	20	27800	61000	4800
	HK5024	82.3	BK5024		50	58	24	33800	78500	4800
	HK5025	86	BK5025	107	50	58	25	34500	80000	4800
	TLA5020	69	TLAM5020	84.5	50	58	20	27800	61000	4800
	TLA5025	86	TLAM5025	107	50	58	25	34500	80000	4800
	TA5012	78	TAM5012		50	62	12	17640	24010	—
	TA5020	123	TAM5020		50	62	20	37926	63994	—
	TA5025	150	TAM5025		50	62	25	49000	88984	—

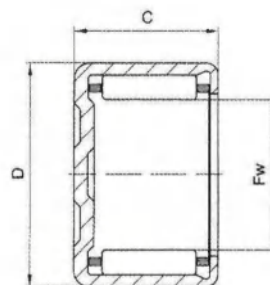
冲压外圈滚针轴承 (英制)



HK HKH TLA TA
(穿孔)



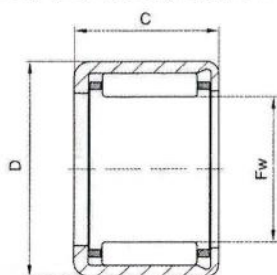
BK BKH TLAM TAM
(平底)



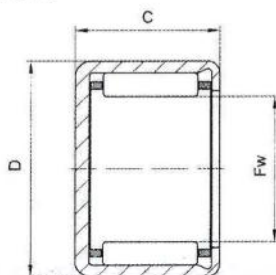
BK BKH TLAM TAM
(凹底)

轴径 Shaft Diameter Mm	轴承型号 Bearing Designation				外形尺寸			基本额定载荷		极限转速 Limiting Speed rpm
	穿孔型 Open end	近似重量 G	封口型 Closed end	近似重量 量 G	FW	D	C	动 Cr	静 Cor	
					Mm			n		
3.175	SCE24TN		BCE24TN		3.175	6.350	6.350	1070	740	31500
3.969	SCE2-1/2-4TN				3.969	7.145	6.350	1260	940	25000
	SCE-1/2-4TN				3.969	7.145	6.350	1230	910	25000
4.762	SCE34TN		BCE34TN		4.762	8.731	6.350	1790	1360	21000
	SCE36TN		BCE36TN		4.762	8.731	9.252	2750	2350	21000
	SCE36		BCE36		4.762	8.731	9.252	2800	2440	21000
6.350	SCE44	2.1	BCE44	2.3	6.350	11.112	6.350	1470	1078	44000
	SCE45	2.5	BCE45	2.7	6.350	11.112	7.92	1470	1078	44000
	SCE47	3.5	BCE47	3.7	6.350	11.112	11.13	2646	2352	44000
7.938	SCE55	3	BCE55	3.3	7.938	12.700	7.938	2900	2600	35500
	SCE57	4.3	BCE57	4.6	7.938	12.700	11.13	3332	3234	35500
	SCE59	5.4	BCE59	5.7	7.938	12.700	14.288	4214	4312	35500
	SCH57	6.3	BCH57	6.6	7.938	14.288	11.13	4116	3724	35500
9.525	SCE65	3.5	BCE65	3.9	9.525	14.288	7.92	2254	2058	29500
	SCE66	4.2	BCE66	4.6	9.525	14.288	9.525	3136	3038	29500
	SCE67		BCE67		9.525	14.288	11.112	4350	4600	29500
	SCE68	5.7	BCE68	6.1	9.525	14.288	12.700	4214	4606	29500
	SCE69	6.3	BCE69	6.7	9.525	14.288	14.27	4900	5586	—
	SCE610	7	BCE610	7.4	9.525	14.288	15.88	5684	6664	29500
	SCH68	8.2	BCH68	8.6	9.525	15.875	12.700	4900	4704	29500
11.112	SCE78	6.4	BCE78	7	11.112	15.875	12.700	4410	5096	25000
	SCE710	7.9	BCE710	8.5	11.112	15.875	15.88	5978	7546	25000
	SCH78	9.3	BCH78	10	11.112	17.462	12.700	5684	5978	25000
12.7	SCE85	4.4	BCE85	5.2	12.700	17.462	7.938	2450	1548	22000
	SCE86	5.3	BCE86	6.1	12.700	17.462	9.525	3430	3822	22000
	SCE87	6.3	BCE87	7	12.700	17.462	11.112	4410	5194	22000
	SCE88	7.2	BCE88	7.9	12.700	17.462	12.700	4704	5684	22000
	SCE810	8.9	BCE810	9.6	12.700	17.462	15.875	6370	8330	22000
	SCE812	10.6	BCE812	11.3	12.700	17.462	19.050	7840	10976	22000
	SCH87	9.1	BCH87	9.9	12.700	19.050	11.112	5684	6076	22000
	SCH88	10.4	BCH88	11.3	12.700	19.050	12.700	6076	6664	22000
	SCH810	12.5	BCH810	13.3	12.700	19.050	15.875	8820	10878	22000
	SCH812	15	BCH812	15.8	12.700	19.050	19.505	11074	14504	22000
14.288	SCE95	4.9	BCE95	5.8	14.288	19.050	7.938	2744	2940	19600
	SCE96	5.9	BCE96	6.8	14.288	19.050	9.525	3822	4508	19600
	SCE97	6.9	BCE97	7.8	14.288	19.050	11.130	4900	6174	19600
	SCE98	7.9	BCE98	8.9	14.288	19.050	12.700	5194	6762	19600
	SCE910	9.9	BCE910	10.8	14.288	19.050	15.875	7056	9898	19600
	SCE912	11.7	BCE912	12.6	14.288	19.050	19.050	8722	12936	19600

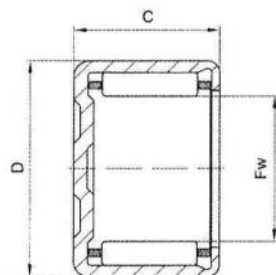
冲压外圈滚针轴承 (英制)



HK HKH TLA TA
(穿孔)



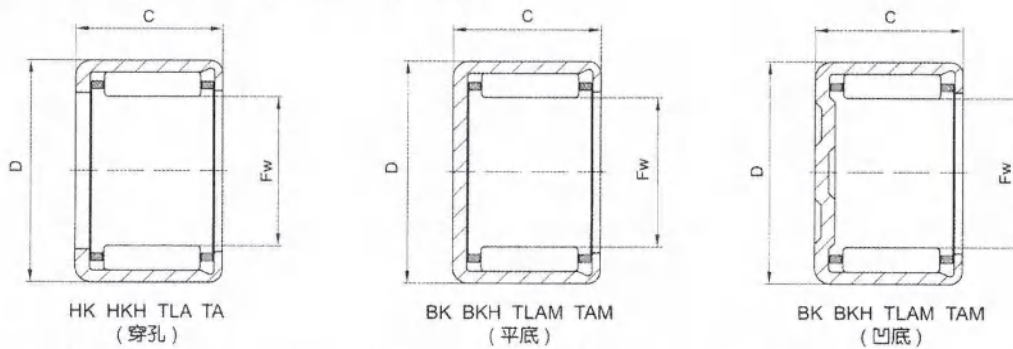
BK BKH TLAM TAM
(平底)



BK BKH TLAM TAM
(凹底)

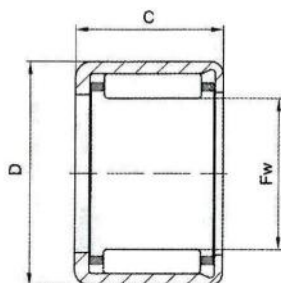
轴径 Shaft diameter	轴承型号 Bearing designation				外形尺寸 Boundary dimension			基本额定载荷 Basic load rating		极限转速 Limiting speed
	穿孔型 Open end	近似 重量 G	封口型 Closed end	近似重量 G	FW	D	C	动 Cr Dynamic	静 Cor static	
Mm					mm			N		rpm
14.288	SCH98	7.9	BCH98	8.9	14.288	20.638	12.7	63770	7350	19600
	SCH910		BCH910		14.288	20.638	15.875	12000	15000	19600
	SCH912	16.3	BCH912	17.4	14.288	20.638	19.050	11662	15876	19600
15.875	SCE105	5.3	BCE105	6.5	15.875	20.638	7.938	2842	3234	17600
	SCE107	7.6	BCE107	8.7	15.875	20.638	11.112	4998	6664	17600
	SCE107-1/2		BCE107-1/2		15.875	20.638	11.910	7100	10300	17600
	SCE108	8.7	BCE108	9.9	15.875	20.638	12.700	5390	7252	17600
	SCE1010	10.8	BCE1010	12	15.875	20.638	15.875	7350	10780	17600
	SCE1012	12.9	BCE1012	14	15.875	20.638	19.050	9016	14014	17600
	SCH108	12.6	BCH108	13.9	15.875	20.638	12.700	5390	7252	17600
	SCH1010	14.9	BCH1010	16.2	15.875	22.225	15.875	10192	13818	17600
	SCH1012	18	BCH1012	19.3	15.875	22.225	19.050	12740	18424	17600
	SCH1016	24	BCH1016	25	15.875	22.225	25.4	17444	27636	17600
17.462	SCE116	7	BCE116	8.4	17.462	22.225	9.525	4508	5978	16000
	SCE118	9.5	BCE118	10.8	17.462	22.225	12.700	6174	8820	16000
	SCE1110	11.8	BCE1110	13.2	17.462	22.225	15.875	8232	13034	16000
	SCE1112	14	BCE1112	15.4	17.462	22.225	19.050	10192	17052	16000
	SCH117	11.9	BCH117	13.5	17.462	23.812	11.112	6860	8526	16000
	SCH1110	16	BCH1110	17.6	17.462	23.812	15.875	10584	14798	16000
	SCH1112	19.3	BCH1112	21	17.462	23.812	19.050	13230	19796	16000
19.050	SCE126	10	BCE126	11.7	19.050	25.400	9.525	4998	5880	14700
	SCE128	13.5	BCE128	15.2	19.050	25.400	12.700	6860	8722	14700
	SCE1210	17	BCE1210	18.6	19.050	25.400	15.875	9506	13230	14700
	SCE1212	20.5	BCE1212	22	19.050	25.400	19.050	11956	17640	14700
	SCH1212	26.5	BCH1212	28.5	19.050	26.988	19.050	16562	22540	14700
20.638	SCE136	10.7	BCE136	12.6	20.638	26.988	9.525	5194	6272	13600
	SCE138	14.5	BCE138	16.4	20.638	26.988	12.700	7154	9408	13600
	SCE1312	22	BCE1312	23.5	20.638	26.988	19.050	12348	19012	13600
	SCE1314	25	BCE1314	27	20.638	26.988	22.225	14700	23814	13600
	SCH1312	28.5	BCH1312	30.5	20.638	28.575	19.050	192000	16500	13600
22.225	SCE146	11.5	BCE146	13.8	22.225	28.575	9.525	5391	6762	12600
	SCE148	15.6	BCE148	17.8	22.225	28.575	12.700	7448	10094	12600
	SCE1412	23.5	BCE14112	26	22.225	28.575	19.050	12838	20384	12600
	SCE1416	31	BCE1416	33.5	22.225	28.575	25.400	17542	30478	12600
	SCH1412	30	BCH1412	32.5	22.225	30.162	19.050	18032	26166	12600
	SCH1416	39.5	BCH1416	42	22.225	30.162	25.400	23520	36848	12600
23.812	SCE1516	33	BCE1516	35.5	23.812	30.162	25.400	18914	34300	11800
25.4	SCE168	17.7	BCE168	20.5	25.400	31.750	12.700	8232	12054	11000
	SCE1612	26.5	BCE1612	29.5	25.400	31.750	19.050	14210	24206	11000

冲压外圈滚针轴承（英制）

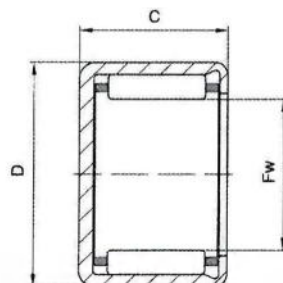


轴 径 Shaft Diameter	轴承型号 Bearing Designation				外形尺寸 Boundary Dimension			基本额定载荷 Basic Load Rating		极限转速 Limiting Speed
	穿孔型 Open end	近似重量 g	封口型 Closed end	近似重量 g	Fw	D	C	动 Cr Dynamic	静 Cor Static	
25.4	SCE1616	35.5	BCE1616	38	25.400	31.750	25.400	19404	36260	11000
	SCH1610	28	BCH1610	31	25.400	33.338	15.875	15386	22148	11000
	SCH1612	33.5	BCH1612	37	25.400	33.338	19.050	19306	29694	11000
	SCH1616	45	BCH1616	48	25.400	33.338	25.400	26460	44492	11000
28.575	SCE186	14.5	BCE186	18.1	28.575	34.925	9.525	6370	8918	9800
	SCE188	19.5	BCE188	23	28.575	34.925	12.700	8624	13328	9800
	SCE1812	29.5	BCE1812	33	28.575	34.925	19.050	14994	26950	9800
	SCE1816	39	BCE1816	42.5	28.575	34.925	25.400	20482	40278	9800
	SCH1810		BCH1810		28.575	38.100	15.875	21800	29000	9800
	SCH1812	45	BCH1812	49	28.575	38.100	19.050	22442	32144	9800
	SCH1816	60	BCH1816	64	28.575	38.100	25.400	30870	48510	9800
	SCH1818	67.5	BCH1818	71.5	28.575	38.100	28.580	34790	56546	9800
	SCH1820	73.5	BCH1820	78	28.575	38.100	31.750	37044	61054	9800
	30.162	SCE1916	52	BCE1916	57	30.162	38.100	25.400	25774	45276
31.750	SCE208	21.5	BCE208	26	31.750	38.100	12.700	9114	14700	8800
	SCE2010	27	BCE2010	31.5	31.750	38.100	15.875	12544	22148	8800
	SCE2012	32.5	BCE2012	37	31.750	38.100	19.050	15680	29596	8800
	SCE2016	43	BCE2016	47.5	31.750	38.100	25.400	21462	44296	8800
	SCE2020	53.5	BCE2020	58	31.750	38.100	31.750	26950	59192	8800
	SCH208	34.5	BCH2308	40	31.750	41.275	12.700	13720	17640	8800
	SCH2012	49.5	BCH2012	54.5	31.750	41.275	19.050	24108	36456	8800
	SCH2016	66	BCH2016	71	31.750	41.275	25.400	33222	54880	8800
33.338	SCH2020	81.5	BCH2020	86.5	31.750	41.275	31.750	39984	69580	8800
	SCE2110	35.5	BCE2210	41.5	33.338	41.275	15.875	15386	23912	8400
	SCE228	23.5	BCE228	29	34.925	41.275	12.700	9800	16660	8000
	SCE2212	35.5	BCE2212	41	34.925	41.275	19.050	16856	33516	8000
	SCE2216	47.5	BCE2216	53	34.925	41.275	25.400	23030	50176	8000
	SCE2220	59	BCE2220	64	34.925	41.275	31.750	28910	67032	8000
	SCH2212	53	BCH2212	59	34.925	44.450	19.050	24794	38710	8000
	SCH2216	71	BCH2216	77	34.925	44.450	25.400	34104	58408	8000
38.100	SCE248	38.5	BCE248	47.5	38.100	47.625	12.700	12936	17836	7400
	SCE2410	48.5	BCE2410	57.5	38.100	47.625	15.875	17836	27146	7400
	SCE2412	58.5	BCE2412	67.5	38.100	47.625	19.050	22540	36652	7400
	SCE2414	69	BCE2414	78	38.100	47.625	22.225	26656	45570	7400
	SCE2416	79	BCE2416	88	38.100	47.625	25.400	31066	55370	7400
	SCE2420	97.5	BCE2420	106	38.100	47.625	31.750	39004	74186	7400
41.275	SCE2610	52	BCE2610	62.5	41.275	50.800	15.875	18914	29988	6800
	SCE2620	105	BCE2620	115	41.275	50.800	31.750	41356	82026	6800
44.450	SCE2812	67.5	BCE2812	79.5	44.450	53.975	19.050	25186	44492	6300

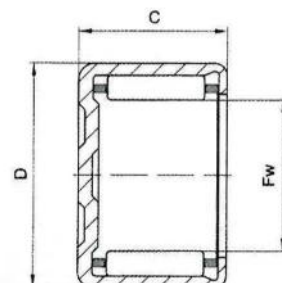
冲压外圈滚针轴承（英制）



HK HKH TLA TA
(穿孔)



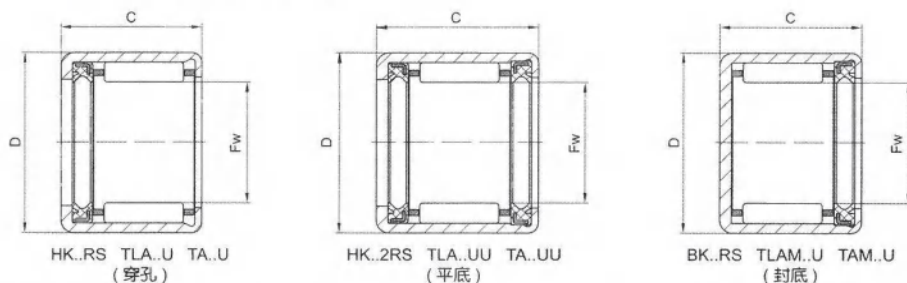
BK BKH TLAM TAM
(平底)



BK BKH TLAM TAM
(凹底)

轴 径 Shaft Diameter	轴承型号 Bearing Designation				外形尺寸 Boundary Dimension			基本额定载荷 Basic Load Rating		极限转速 Limiting Speed
	穿孔型 Open end	近似重量 g	封口型 Closed end	近似重量 g	Fw	D	C	动 Cr Dynamic	静 Cor Static	
mm										
44.450	SCE2816	91	BCE2816	103	44.450	53.975	25.400	34692	63726	6300
	SCE2824	136	BCE2824	148	44.450	53.975	38.100	51940	112700	6300
50.800	SCE328	50	BCE328	66	50.800	60.325	12.700	15386	24696	5500
	SCE3216	104	BCE3216	119	50.800	60.325	25.400	37044	76440	5500
	SCE3220	128	BCE3220	114	50.800	60.325	31.750	46550	101920	5500
53.975	SCE3410		BCE3410		53.975	63.500	15.875	31000	57000	5200
	SCE3416	109	BCE3416	127	53.975	63.500	25.400	38710	82516	5200

冲压外圈带密封圈轴承

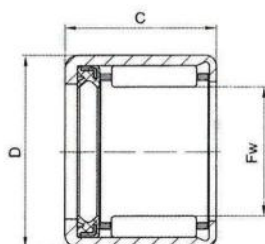


轴 径 Shaft Diameter	轴承型号 Bearing Designation	近似重量 g	外形尺寸 Boundary Dimension			基本额定载荷 Basic Load Rating		极限转速 Limiting Speed
			Fw	D	C	动 Cr Dynamic	静 Cor Static	润滑油 Oil
			mm			N		rpm
8	HK0810 RS	2.9	8	12	10	2250	2100	19000
	BK0812 2RS	3.5	8	12	12	2250	2100	19000
9	HK09 × 13 × 12 RS	4	9	13	12	3800	4300	19000
10	HK1012 RS	4.2	10	14	12	4100	5000	19000
	BK1014 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
	TLA1216 UU	11.5	12	18	16	6100	7000	12000
13	BK13 × 19 × 12 RS	8.9	13	19	12	6800	7580	12000
14	HK1414 RS	12	14	20	14	6100	7500	13000
	BK1414 RS	14.1	14	20	14	6100	7500	11000
	HK1416 2RS	13.3	14	20	16	7056	8820	11000
	TLA1416 UU	13.3	14	20	16	7056	8820	11000
15	HK1514 RS	12.6	15	21	14	6800	8800	11000
	BK1514 RS	14.4	15	21	14	6800	8800	10000
	HK1516 RS	14	15	21	16	7350	9506	10000
	HK1518 RS	16	15	21	18	9500	11400	10000
	HK1520 RS	18	15	21	20	9500	11400	10000
	TLA1516 UU	14	15	21	16	7350	9506	10000
16	HK1614 RS	15.1	16	22	14	7200	9200	10000
	BK1614 RS	15.3	16	22	14	7200	9200	10000
	HK1616 2RS	14.8	16	22	16	7644	10192	10000
	HK1620 2RS	16.8	16	22	20	9900	12300	10000
	TLA1616 UU	14.8	16	22	16	7644	10192	10000
17	HK17 × 25 × 14 RS	17.7	17	25	14	8000	9800	10000
	BK17 × 25 × 15.5 RS	20	17	25	15.5	9320	10400	13000
	HK17 × 25 × 18 RS	23.5	17	25	18	10500	12600	13000
	BK17 × 25 × 20 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	HK2012 RS	11.7	20	26	12	9500	11900	9200
	HK2016 2RS	17.8	20	26	16	8722	12936	9000
	HK2018 RS	21.4	20	26	18	12700	20100	8200
	BK2018 RS	24.4	20	26	18	12700	20100	7800
	HK2020 2RS	22.5	20	26	20	11074	17444	7800
	HK20 × 27 × 18 RS	26.2	20	27	18	8300	9300	7800
	HK20 × 29 × 18 RS	28.8	20	29	18	8700	9900	7800
	TLA2016 UU	17.8	20	26	16	8722	12936	9000
	TLA2020 UU	22.5	20	26	20	11074	17444	7800

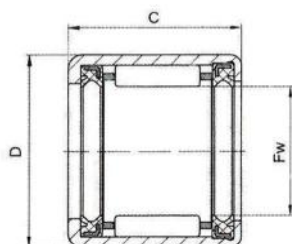
专业创造品质, 品质成就未来!

Specialization is quality, quality is future!

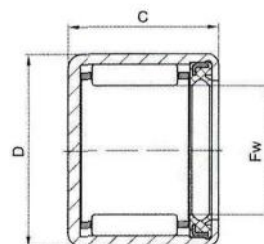
冲压外圈带密封圈轴承



HK..RS TLA..U TA..U
(穿孔)



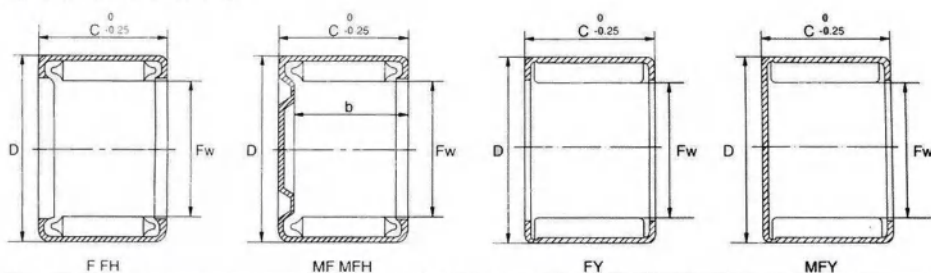
HK..2RS TLA..UU TA..UU
(平底)



BK..RS TLAM..U TAM..U
(封底)

轴 径 Shaft Diameter	轴承型号 Bearing Designation	近似重量 g	外形尺寸 Boundary Dimension			基本额定载荷 Basic Load Rating		极限转速 Limiting Speed
			Fw	D	C	动 Cr Dynamic	静 Cor Static	润滑油 Oil
			mm			N		rpm
22	HK2212 RS	14	22	28	12	8310	10000	9000
	HK2214 RS	18.3	22	28	14	9000	12400	7800
	HK2216 2RS	19.4	22	28	16	9212	14210	7800
	HK2218 RS	23.5	22	28	18	10400	20100	7800
	HK2220 2RS	25.5	22	28	20	10400	20100	7800
	TLA2216 UU	19.4	22	28	16	9212	14210	7800
25	HK2516 2RS	26	25	32	16	9408	13818	6900
	HK2518 RS	31	25	32	18	13600	20000	6900
	BK2518 RS	35.3	25	32	18	13600	20000	6900
	HK2520 2RS	33	25	32	20	12740	20482	6900
	BK2524 2RS	39.7	25	32	24	17900	30000	6900
	HK2530 2RS	47.3	25	32	30	24500	43000	6900
	TLA2516 UU	26	25	32	16	9408	13818	6900
	TLA2520 UU	33	25	32	20	12740	20482	6900
28	HK2820 2RS	36.5	28	35	20	13818	23422	5300
	TLA2820 UU	36.5	28	35	20	13818	23422	5300
30	HK3016 2RS	30.5	30	37	16	10388	16660	5300
	HK3018 RS	36.6	30	37	18	16200	26000	5300
	HK3020 2RS	39	30	37	20	14014	24500	5300
	HK3024 2RS	49.7	30	37	24	21000	38500	5300
	TLA3016 UU	30.5	30	37	16	10388	16660	5300
	TLA3020 UU	39	30	37	20	14014	24500	5300
35	HK3516 2RS	35	35	42	16	11564	20090	4900
	HK3518 RS	37.4	35	42	18	16700	30500	4900
	HK3520 2RS	45	35	42	20	15680	29596	4900
	TLA3516 UU	35	35	42	16	11564	20090	4900
	TLA3520 UU	45	35	42	20	15680	29596	4900
40	HK4016 2RS	39.5	40	47	16	12348	22834	4200
	HK4018 RS	47.3	40	47	18	19000	30500	4200
	HK4020 2RS	50.5	40	47	20	16660	33712	4200
	TLA4016 UU	39.5	40	47	16	12348	22834	4200
	TLA4020 UU	50.5	40	47	20	16660	33712	4200
45	HK4518 RS	54.2	45	52	18	20300	41000	3800
	HK4520 2RS	56	45	52	20	17738	37828	3800
	TLA4520 UU	56	45	52	20	17738	37828	3800
50	HK5022 RS	77.2	50	58	22	30000	61000	3200
	HK5024 2RS	84	50	58	24	30000	61000	3200

冲压满装滚针轴承



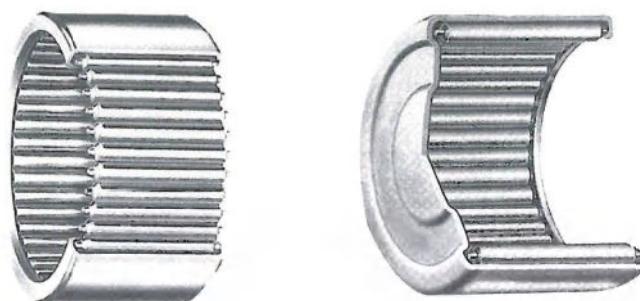
轴 径 Shaft Diameter	轴 承 型 号 Bearing Designation		重量 Mass 近似 Approx	外形 尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed
	现 行 的 Current	原 型 号 Original Code		Fw	D	C	动 Cr Dynamic	静 Cor Static	油 润 滑 Oil
				mm			N		rpm
mm			g						
6	F-0608	30941/6	2.5	6	10	8	3080	5800	12000
6.35	F6.35X11.11X11.13	B-47	3.2	6.35	11.11	11.13	3500	6050	12000
	MF6.35X11.11X11.13	M-471	4.1	6.35	11.11	11.13	3500	6050	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
	FH-0812	942/8	9	8	14	12	4550	7150	7400
9	F-0910	50941/9	4	9	13	10	4900	8050	12000
	FH0910	941/9	6	9	15	10	8000	11500	7100
	FH9X15X13	942/9	8	9	15	13	8560	12800	7100
9.52	F9.52X14.29X12.7	B-68	7.5	9.52	14.29	12.70	9000	13300	7100
10	F-1010	50941/10	4.2	10	14	10	5700	9350	11000
	FH-1010	941/10	6.5	10	16	10	6350	10800	11000
	F10X16X15	942/10	12	10	16	15	6890	11500	7100
		943/10		10	16	17	6500	11000	7000
12	F-1212	60941/12	6	12	16	12	6380	10900	7100
	F12X17X12	941/12	8	12	17	12	8400	11900	7100
	F12X17X15	942/12	10.5	12	17	15	9000	12500	7100
	F12X17X18	943/12	13	12	17	18	9800	13500	7100
15	F15X20X12	941/15	10	15	20	12	8400	11900	7100
	F15X20X16	942/15	13.6	15	20	16	9500	12800	7100
	F15X20X20	943/15	17.2	15	20	20	10500	16000	7100
	FY15X20X20	Y152020	20	15	20	20	10500	16000	7100
	F-1512	30941/15	12	15	21	12	9700	15900	8100
16	F-1616	50941/16	17	16	22	16	14100	25900	7700
17	F-1712	30941/17	13	17	23	12	10600	21600	7300
	F-1714	941/17	15	17	23	14	12500	22500	7300
	F-1718	942/17	21	17	23	18	13800	24800	7300
		943/17		17	23	22	13500	24000	7100
18	F1816	50941/18	18	18	24	16	15000	29100	6900
20	F-2014	941/20	17	20	26	14	15800	40500	6900
	F-2020	942/20	26	20	26	20	18800	42500	6900
	F20X26X25	943/20	33	20	26	25	20500	35500	6300
25	F-2516	941/25	28	25	32	16	18700	37900	5100
	F-2522	942/25	40	25	32	22	11000	16500	5100
	F25X32X25	943/25	43	25	32	25	11500	18500	5100
	F25X33X08	Y253308	16.7	25	33	8	12200	16800	4300
28	F-2820	60941/28	118	28	35	20	25700	58300	4600
30	F-3020	60941/30	42	30	37	20	26800	62500	4300

宽度偏差 -0.25mm, 特殊要求订货时说明

专业创造品质，品质成就未来!

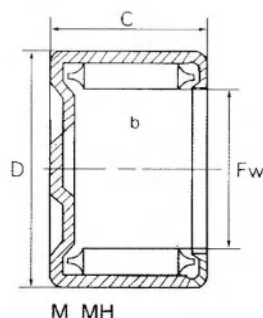
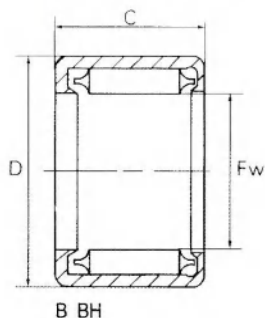
Specialization is quality, quality is future!

冲压外圈满装滚针轴承



轴径 Shaft Diameter	轴承型号 Bearing designation		重量 Mass 近似 Approx	外形尺寸 Boundary dimension			基本额定负荷 Basic load rating		极限转速 Limiting speed
	现行 current	原型号 original code		Fw	D	C	动 Cr dynamic	静 Cor static	油润滑 Oil
30	FM-3020	65941/30	48	30	37	20	26800	62500	4300
	F30X38X16	941/30	37.5	30	38	16	25500	57500	4600
	F30X38X24	942/30	37.5	30	38	24	28800	64500	4300
	F30X38X32	943/30	81.5	30	38	32	34500	78900	4300
32		943/32		32					
	F-3216	40941/32	35	32	39	16	25800	61500	4300
35	F-3520	60941/35	49	35	42	20	24000	69100	3700
	F35X43X16	941/35	41	35	43	16	23500	68000	3700
	F35X43X25	942/35	72	35	43	25	38700	86200	3200
	F35X43X32	943/35	90	35	43	32	40500	97800	3200
40	F-4020	60941/40	56	40	47	20	30300	82600	3300
	FH4032	942/40	88	40	50	32	42500	108000	2600
	MFH-4032	86942/40	95	40	50	32	42500	108000	2600
	FHX40X50X38	943/40	105	40	50	38	44800	118500	2600
45	F-4520		62	45	52	20	30400	90100	2900
	FH45X55X38	943/45	140	45	55	38	45800	128000	2900
50	F-5020	50941/50	78	50	58	20	35800	98000	2600
	FH50X60X38	943/50	145	50	60	38	50500	145800	2600
60	F60X68X40	943/60	185	60	68	40	50200	145000	2600

冲压外圈满装滚针轴承 (英制系列)



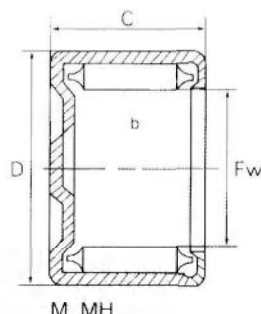
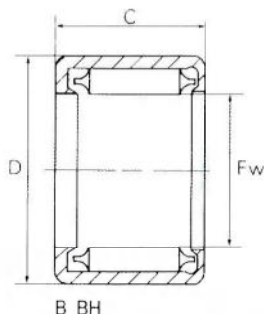
轴径 shaft Diameter mm	轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed rpm
	穿孔型 Open end	封口型 Closed end	Fw	D	C	动 Cr Dynamic	静 Cor Static	
6.35	B-44	M-441	6.35	11.11	6.35	566	531	10 000
	B-45	M-451	6.35	11.11	7.92	768	786	10 000
	B-47	M-471	6.35	11.11	11.13	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
	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
9.52	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
	B-610	M-6101	9.52	14.29	15.88	2 310	3 530	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	19.05	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-921	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
	BH-912	—	14.29	20.64	19.05	4 130	6 410	6 800
15.88	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

宽度偏差 -0.20 mm, 特殊订货时说明。
-0.55

专业创造品质，品质成就未来！

Specialization is quality, quality is future!

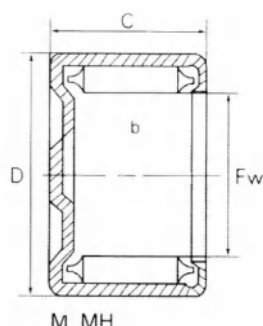
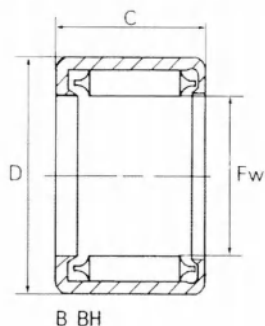
冲压外圈满装滚针轴承（英制系列）



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 Dynamic	静 Cor Static	
15.88	BH-108	NH-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
19.05	BH-1112	—	17.46	23.81	19.05	4 640	7 840	5 700
	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
20.64	B-1212	M-12121	19.05	25.40	19.05	4 870	8 560	5 500
	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	M13161	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
	B-146	—	22.22	28.58	9.52	2 280	3 380	4 800
22.22	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	29.58	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
	B-158	—	23.81	30.16	12.70	3 500	5 990	4 500
25.40	B-1516	M-15161	23.81	30.16	25.40	7 300	15 400	4 500
	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	12.7	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
26.99	B-1710	—	25.40	33.34	38.10	11 900	25 600	5 200
28.58	B-186	—	26.99	33.34	15.88	4 840	9 470	4 000
			28.58	34.92	9.52	2 610	4 350	3 800

宽度偏差 -0.20
-0.55 mm，特殊订货时说明。

冲压外圈满装滚针轴承（英制系列）



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 Dynamic	静 Cor Static	
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
	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
31.75	BH-2016	MH-20161	31.75	41.28	25.40	9 910	19 000	5 000
	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
	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
33.34	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
	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
34.92	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
	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
38.10	B-2620	—	41.28	50.80	31.75	14 300	33 000	3 900
	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
	B-308	—	47.62	57.15	12.70	5 380	9 790	3 500
41.28	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

宽度偏差 0
 -0.25 mm，特殊订货时说明。

冲压外圈满装滚针轴承（英制系列）



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
	穿孔型 Open end	封口型 Closed end	Fw	D	C	动Cr Dynamic	静Cor Static	
			mm			N		rpm
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
	B-3228	M-32281	50.80	60.32	44.45	21 800	60 700	3 300
52.39	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

宽度偏差⁰_{-0.25} mm，特殊订货时说明。

■ 推力滚针和保持架组件

CTB 生产各类推力轴承，使在很小的空间下可获得很高的轴向载荷和高的刚度。

1. 结构形式

AXK	推力滚针和保持架组件
AXW	带冲压中心套的推力滚针和保持架组件
AX	带控制圈的推力滚针轴承
K811,K812,K893,K894	推力滚子和保持架组件
51100,51200,51300,51400	推力球轴承

AXK型推力滚针和保持架组件是推力滚针轴承的主要元件。保持架用钢板成型，小尺寸保持架用塑料制成，采用G2级高精度滚针，以便确保负荷均匀分布。推力圆柱滚子和保持架组件和AXK型组件相似，它可以承受高推力负荷。

CTB 也生产英制推力滚针保持架组件及配套使用垫片，如TC、TWA、TWB、TWC等系列。

AXW型推力滚针轴承由一个AXK型的推力滚针和保持架组件与一个冲压中心套组成。AX型推力滚针轴承的主要元件是AXK型组件和推力垫圈，并由控制圈二者连成一体。

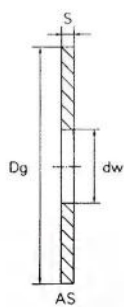
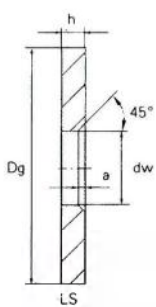
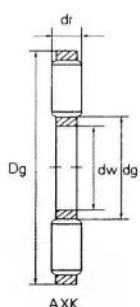
2. 推力垫圈

推力垫圈主要有AS型、WS型、GS型和LS型。

AS型推力垫圈是高质量弹簧钢带(板)冲压而成，厚度一般为0.8mm和1mm。滚道经淬硬和抛光。它主要用于相邻零件不能淬硬，但有足够的刚性和几何精度的场合，垫圈的支承面应得到完全支承。

轴圈(WS)、座圈(GS)和轴承垫圈(LS)是轴承钢经淬硬制成的实体垫圈，表面经磨削和抛光，座圈的外表面和轴圈的内孔也经磨削。实体垫圈一般与推力圆柱滚子和保持架组件配套使用。

推力滚针和保持架组件

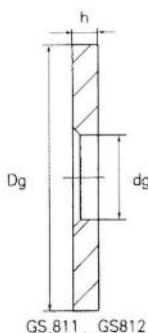
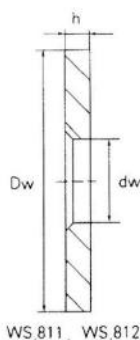


轴径 shaft Diameter	轴承型号 Bearing Designation					外形尺寸 Boundary Dimensions								
	推力滚针和保持架组件 Axial Needle Roller and Cage Asserblier	推力垫圈 Shaft Loc. Washer	轴承垫圈 Bearing Washer	轴圈 Washer Shaft	座圈 Seat Washer	dw	dg	Dw	Dg	dr	h	s	a	r _s min
						mm								
mm														
4	AXK0414TN					4	—	—	14	2				
5	AXK0515TN					5	—	—	15	2				
6	AXK0619TN					6	—	—	19	2				
8	AXK0821TN					8	—	—	21	2				
10	AXK1024	LS1024	AS1024	—	—	10	—	—	24	2	2.75	1	0.5	—
12	AXK1226	LS1226	AS1226	—	—	12	—	—	26	2	2.75	1	0.5	—
15	AXK1528	LS1528	AS1528	WS81102	GS81102	15	16	28	28	2	2.75	1	0.5	0.3
17	AXK1730	LS1730	AS1730	WS81103	GS81103	17	18	30	30	2	2.75	1	0.5	0.3
20	AXK2035	LS2035	AS2035	WS81104	GS81104	20	21	35	35	2	2.75	1	0.5	0.3
25	AXK2542	LS2542	AS2542	WS81105	GS81105	25	26	42	42	2	3	1	1	0.6
30	AXK3047	LS3047	AS3047	WS81106	GS81106	30	32	47	47	2	3	1	1	0.6
35	AXK3552	LS3552	AS3552	WS81107	GS81107	35	37	52	52	2	3.5	1	1	0.6
40	AXK4060	LS4060	AS4060	WS81108	GS81108	40	42	60	60	3	3.5	1	1	0.6
45	AXK4565	LS4565	AS4565	WS81109	GS81109	45	47	65	65	3	4	1	1	0.6
50	AXK5070	LS5070	AS5070	WS81110	GS81110	50	52	70	70	3	4	1	1	0.6
55	AXK5578	LS5578	AS5578	WS81111	GS81111	55	57	78	78	3	5	1	1	0.6
60	AXK6085	LS6085	AS6085	WS81112	GS81112	60	62	85	85	3	4.75	1	1.5	1
65	AXK6590	LS6590	AS6590	WS81113	GS81113	65	67	90	90	3	5.25	1	1.5	1
70	AXK7095	LS7095	AS7095	WS81114	GS81114	70	72	95	95	4	5.25	1	1.5	1
75	AXK75100	LS75100	AS75100	WS81115	GS81115	75	77	100	100	4	5.75	1	1.5	1
80	AXK80105	LS80105	AS80105	WS81116	GS81116	80	82	105	105	4	5.75	1	1.5	1
85	AXK85110	LS85110	AS85110	WS81117	GS81117	85	87	110	110	4	5.75	1	1.5	1
90	AXK90120	LS90120	AS90120	WS81118	GS81118	90	92	120	120	4	6.5	1	1.5	1
100	AXK100135	LS100135	AS100135	WS81120	GS81120	100	102	135	135	4	7	1	1.5	1
110	AXK110145	LS110145	AS110145	WS81122	GS81122	110	112	145	145	4	7	1	1.5	1
120	AXK120155	LS120155	AS120155	WS81124	GS81124	120	122	155	155	4	7	1	1.5	1
130	AXK130170	LS130170	AS130170	WS81126	GS81126	130	132	170	170	4	9	1	1.5	1
140	AXK140180	LS140180	AS140180	WS81128	GS81128	140	142	178	180	5	9.5	1	1.5	1
150	AXK150190	LS150190	AS150190	WS81130	GS81130	150	152	188	190	5	9.5	1	1.5	1
160	AXK160200	LS160200	AS160200	WS81132	GS81132	160	162	198	200	5	9.5	1	1.5	1

带冲压中心套的推力滚针和保持架组件

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
			D _{c1}	D ₁	D	B	B ₁	动 Cr Dynamic	静 Cor Static	油润滑 Oil
			mm					N		rpm
10	AXW10	8.3	10	14	27	3.2	3	9 100	24 000	14 000
12	AXW12	9.1	12	16	29	3.2	3	8 900	27 800	13 000
15	AXW15	10.1	15	21	31	3.2	3.5	10 500	35 000	11 000
17	AXW17	11	17	23	33	3.2	3.5	10 900	38 800	10 000

推力滚针和保持架组件



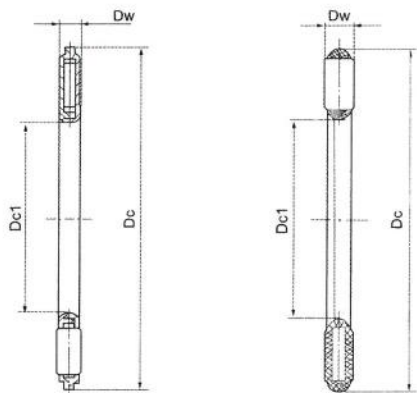
重量 Mass				基本额定负荷 Basic Load Rating		极限转速 Limiting Speed	
轴承垫圈 Washer Shaft	推力垫圈 Shaft Loc. Washer	轴承垫圈 Bearing Washer	轴圈或座圈 Washer Shaft	动 Cr Dynamic	静 Cor Static	脂润滑 Grease	油润滑 Oil
Kg				N		rpm	
0.7				4 380	7 500		18 000
0.8				4 680	9 100		17 000
1				6 740	15 400		16 000
2				7 750	19 000		15 000
0.002	0.008	0.003	—	7 800	23 600	14 000	5 000
0.003	0.009	0.003	—	8 500	27 000	13 000	4 800
0.003	0.01	0.003	0.010	9 650	33 500	12 000	4 500
0.003	0.011	0.003	0.011	10 200	36 500	11 000	4 300
0.005	0.014	0.005	0.014	11 200	43 000	9 000	3 600
0.006	0.021	0.007	0.021	12 500	54 000	7 000	2 800
0.007	0.023	0.008	0.023	14 000	65 500	6 300	2 400
0.008	0.03	0.009	0.032	15 300	76 500	5 600	2 000
0.016	0.041	0.012	0.043	24 500	110 000	5 000	1 800
0.018	0.052	0.013	0.054	26 500	125 000	4 500	1 600
0.02	0.056	0.014	0.059	28 000	137 000	4 000	1 400
0.026	0.091	0.018	0.094	36 000	196 000	3 600	1 200
0.035	0.102	0.022	0.106	39 000	240 000	3400	1 100
0.036	0.121	0.023	0.125	40 500	260 000	3 200	1 000
0.055	0.128	0.025	0.133	50 000	260 000	3 000	950
0.058	0.15	0.027	0.155	51 000	275 000	2 800	900
0.06	0.158	0.028	0.165	52 000	285 000	2 600	850
0.063	0.166	0.028	0.173	54 000	300 000	2 600	850
0.081	0.245	0.038	0.253	67 000	415 000	2 400	800
0.106	0.345	0.05	0.355	78 000	560 000	2 000	700
0.117	0.373	0.055	0.385	81 500	600 000	1 900	670
0.126	0.405	0.059	0.415	85 000	655 000	1 800	630
0.198	0.65	0.074	0.666	112 000	830 000	1 600	560
0.212	0.71	0.078	0.716	116 000	900 000	1 500	530
0.225	0.756	0.083	0.716	120 000	950 000	1 400	500
0.238	0.802	0.088	0.805	125 000	1000 000	1 300	480

TN= 塑料保持架，允许工作温度：120℃连续，180℃短期。

充分冷却脂润滑极限转速，脂润滑极限转速为表列数值的25%，特殊要求订货时说明。

■ ■ ■ 推力滚针和保持架组件

NTA

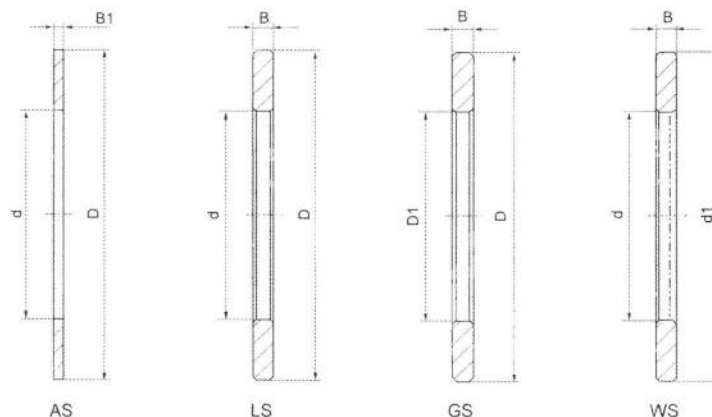


轴承型号 Bearing Designation	基本尺寸代号			基本额定负荷		极限转速
	外径	内径	高度	动载荷	静载荷	润滑油
	Dc	Dc1	Dw	Ca Dynamic	Coa Static	Oil
	mm			N		rpm
NTA-411	17.45	6.35	1.984	4100	9100	28000
NTA-512	19.05	7.92	1.984	4600	11100	25000
NTA-613	20.62	9.52	1.984	4800	12100	23000
NTA-815	23.8	12.7	1.984	5700	16200	19000
NTA-916	25.4	14.27	1.984	6200	18200	18000
NTA-1018	28.58	15.88	1.984	7000	22500	16000
NTA-1220	31.75	19.05	1.984	7800	27000	14000
NTA-1423	36.5	22.22	1.984	10400	40900	12000
NTA-1625	39.67	25.4	1.984	10700	43900	11000
NTA-1828	44.45	28.58	1.984	13500	60900	9800
NTA-2031	49.2	31.75	1.984	16400	80900	8800
NTA-2233	52.37	34.92	1.984	17400	89400	8200
NTA-2435	55.55	38.1	1.984	18900	102300	7700
NTA-2840	63.5	44.45	1.984	20600	119600	6900
NTA-3244	69.85	50.8	1.984	19500	115200	6200
NTA-3446	73.02	53.98	1.984	19900	119600	5900
NTA-3648	76.2	57.15	1.984	20200	123600	5700
NTA-3650	79.38	57.15	3.175	32900	168100	5300
NTA-4052	82.55	63.5	1.984	20700	132100	5200
NTA-4458	92.08	69.85	3.175	41700	242400	4600
NTA-4860	95.25	76.2	1.984	21900	149400	4500
NTA-5266	104.78	82.55	3.175	44900	279700	4000
NTA-6074	117.48	95.25	3.175	48900	326400	3500
NTA-6681	128.57	104.78	3.175	55600	395400	3200

在充分冷却下油润滑的极限转速,脂润滑极限转速为表列数值的25%。
在适当的散热条件下,能获得较高的转速

推力滚针和保持架组件

推力轴承垫圈 Thrust Bearing Washers



轴承型号 Bearing Designation				基本额定负荷					
垫圈	定位座圈	垫圈	定位座圈	d	D1	D	d1	B1	B
mm									
AS 0414				4		14		1	
AS 0515				5		15		1	
AS 0619			LS 0619	6		19		1	2.75
AS 0821			LS 0821	8		21		1	2.75
AS 1024			LS 1024	10		24		1	2.75
AS 1226			LS 1226	12		26		1	2.75
AS 1528	GS 811 02	WS 811 02	LS 1528	15	16	28	28	1	2.75
AS 1730	GS 811 03	WS 811 03	LS 1730	17	18	30	30	1	2.75
AS 2035	GS 811 04	WS 811 04	LS 2035	20	21	35	35	1	2.75
AS 2542	GS 811 05	WS 811 05	LS 2542	25	26	42	42	1	3
AS 3047	GS 811 06	WS 811 06	LS 3047	30	32	47	47	1	3
AS 3552	GS 811 07	WS 811 07	LS 3552	35	37	52	52	1	3.5
AS 4060	GS 811 08	WS 811 08	LS 4060	40	42	60	60	1	3.5
AS 4565	GS 811 09	WS 811 09	LS 4565	45	47	65	65	1	4
AS 5070	GS 811 10	WS 811 10	LS 5070	50	52	70	70	1	4
AS 5578	GS 811 11	WS 811 11	LS 5578	55	57	78	78	1	5
AS 6085	GS 811 12	WS 811 12	LS 6085	60	62	85	85	1	4.75
AS 6590	GS 811 13	WS 811 13	LS 6590	65	67	90	90	1	5.25
AS 7095	GS 811 14	WS 811 14	LS 7095	70	72	95	95	1	5.75
AS 74100	GS 811 15	WS 811 15	LS 75100	75	77	100	100	1	5.75
AS 80105	GS 811 16	WS 811 16	LS 80105	80	82	105	105	1	5.75
AS 85110	GS 811 17	WS 811 17	LS 85110	85	87	110	110	1	6.5
AS 90120	GS 811 18	WS 811 18	LS 90120	90	92	120	120	1	7
AS 100135				100		135		1	
AS 110145				110		145		1	
AS 120155				120		155		1	
AS 130170				130		170		1	
AS 140180				140		180		1	
AS 150190				150		190		1	
AS 160200				160		200		1	

■ 实体套圈滚针轴承

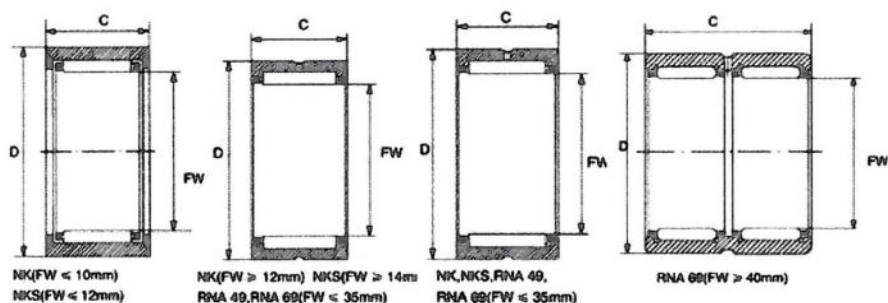
轴 承 型 号	本公司提供下列结构滚针轴承
公制系列	结构说明
NK NKS	无内圈滚针轴承 轻系列、重系列
RNA49	无内圈滚针轴承 尺寸系列49
RNA69	无内圈双列滚针轴承 尺寸系列69
RNA48	无内圈滚针轴承 尺寸系列48
NKI NKIS	有内圈滚针轴承 轻系列、重系列
NA49	有内圈滚针轴承 尺寸系列49
NA69	有内圈双列滚针轴承 尺寸系列69
NA48	有内圈滚针轴承 尺寸系列48
RNA49...RS	无内圈滚针轴承单面密封 尺寸系列49
RNA49...2RS	无内圈滚针轴承双面密封 尺寸系列49
NA49...RS	有内圈滚针轴承单面密封 尺寸系列49
NA49...2RS	有内圈滚针轴承双面密封 尺寸系列49
NAO	内外圈无挡边滚针轴承
RNAO	无内圈，外圈无挡边滚针轴承
RNAV	无内圈满装滚针轴承 尺寸系列40
NAV	有内圈满装滚针轴承 尺寸系列40

滚针轴承结构紧凑，径向尺寸小，载荷容量大，承受较大径向负荷。此类轴承有多种结构及尺寸系列，所组装的G2级滚针，分组批直径变动量 $2\mu\text{m}$ 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于轴线。

实体套圈滚针轴承

无内圈滚针轴承
NEEDLE ROLLER
BEARINGS WITHOUT
INNER RING

NK, RNA, NKS, RNA49
RNA69



轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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
mm			g						
5	NK5/10TN		2.9	5	10	10	2100	1400	36780
	NK05/08			5	10	8			
	NK05/10TN-OH			5	10	12	2350	1920	39000
	NK05/12TN		3.7	5	10	12	3000	2650	39000
6	NK06/10			6	12	10	2600	2200	37000
	NK06/10TN			6	12	10	2600	2200	37000
	NK06/12TN		5.7	6	12	12	3350	3150	37000
	RNA6X13X8TN			6	13	8			
7	NK07/10		6.9	7	14	10	2850	2650	34000
	NK07/12		8.2	7	14	12	3650	3600	34000
7.8	RNA7.8169			7.8	16	9			
8	NK8/12TN		8.3	8	15	12	3950	4100	32000
	NK08/12		8.7	8	15	12	3950	4100	32000
	NK08/16		12	8	15	16	5100	5800	32000
	NK08/16TN			8	15	16	5100	5800	32000
	RNA8X19X9			8	19	9			
	RNA8X14X8			8	14	8			
	RNA496			8	15	10			
	RNA8X15X10TN			8	15	10			
9	NK09/12		10.3	9	16	12			
10	NK10/12TN	462409K	10	10	17	12	4750	5300	29000
		5624097	16.6	10	17	15	4860	7100	29000
	NK10/10			10	17	10			
	NK10/12			10	17	12			
	NK10/16			10	17	16	6200	7800	29000
	NK10/16TN			10	17	16	6200	7800	29000
	NKS10			10	19	13	5800	6000	29000
12	NK12/12TN	644097	11.8	12	19	12	6000	6400	27000
		5624098	15.4	12	19	15	6400	7100	27000

专业创造品质, 品质成就未来!

Specialization is quality, quality is future!

■ 实体套圈滚针轴承

轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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
mm			g							
	NK12/16		16.8	12	19	16	8200	9800	27000	
14	NK14/16	4624900K	20.8	14	22	16	10100	11500	25000	
	NKS14		27	14	25	16	1400	13800	24000	
	RNA4900	4624900	24.4	14	22	13	8500	9000	25000	
	RNA6900	6634900	29.1	14	22	22	12800	15600	25000	
	NK14/12			14	22	12				
	NK14/20			14	22	20	12800	15600	25000	
15	NK15/12	644800K	18.5	15	23	12	8600	11000	21000	
	RNA152815		31.7	15	28	15	13600	17200	24000	
		7948/15	16.1	15	22	12	8200	9800	8500	
		644302	18.2	15	25	12	10600	13500	17000	
	NK15/16		21.8	15	23	16	10700	12700	24000	
	NK15/20		26.7	15	23	20	13600	17200	24000	
	NK152312			15	23	12				
	NK152512			15	25	12				
16	NK16/16		20.8	16	24	16	11300	13900	23000	
	NK16/20	624701	23.9	16	24	20	10400	16800	23000	
	RNA4901	4624901	16.6	16	24	13	6400	8900	15500	
	RNA6901	6634901	28.7	16	24	22	14000	18600	15500	
	NKS16		30	16	28	16	14900	15000	20000	
	NKI62516			16	25	16				
	NKI62616			16	26	16				
17	NK17/16	644903K	21.5	17	25	16	9000	13500	14000	
	NK17/20	RNAI72520	30	17	25	20	15000	20000	23000	
18	NK18/20		30.5	18	26	20	15500	19800	22000	
	NK18/16			18	26	16	12500	16200	22000	
19	NK19/16			19	27	16	13000	17000	22000	
20	NK20/16	644802	25.7	20	28	16	10500	13800	21000	
	NK20/20	624802	29.3	20	28	20	11500	21800	21000	
	NK202616		20.8	20	26	16	9600	10800	21000	
	NK202620			20	26	20	9600	10800	21000	
	NKS20		46.8	20	32	20	20000	23000	20000	
	NK203312SX		29.1	20	33	12	13000	18000	11000	
		6624101	24.3	20	28	25	13000	17500	11000	
	RNA4902	4624902	20.5	20	28	13	11000	12900	12000	
	RNA6902	6634902	35.4	20	28	23	10800	12800	12000	
	RNA20X32X16			20	32	16	13000	25000	12000	
	RNA5902			20	28	18				

实体套圈滚针轴承

轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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			g	mm			N		rpm
21	NK21/12			21	29	12			
	NK21/16			21	29	16	13500	18700	21000
	NK21/20			21	29	20			
22	NK22/16	NK223016	29.2	22	30	16	13500	18000	11500
		NK223516	34.6	22	35	16	18600	20800	11500
	NKS22		60.2	22	35	20	21500	25000	17000
	RNA4903	4644903	20.7	22	30	13	12000	16800	16300
	RNA5903			22	30	18			
	RNA6903	6634903	39.8	22	30	23	14000	19900	16300
		624703	53	22	35	25	24500	28000	14100
		634704L	42.5	22	30	30	17700	27000	16500
		644704	27.4	22	28	16	10500	15000	16500
		NK223516	49.4	22	35	16	18600	20800	16500
				22	30	20			
		NK22/20			22	30	20		
23		634704KA	37.5	23	30	30	18600	29000	15000
24	NK24/16			24	32	16			
	NK24X33.5X7.5			24	33.5	7.5			
25	NK25/16	624904	30	25	33	16	12900	20400	15000
	NK25/20	644804	38.4	25	33	20	16800	28500	15000
	RNA4904	4644904	50.8	25	37	17	11900	16500	15000
	RNA6904	6634904	97.7	25	37	30	26000	43000	15000
	NKS25		65	25	38	20	25800	31000	16300
		624704	100.1	25	35	25	14900	22400	16500
	NK25/30	644804K	63	25	33	30	18800	30500	165000
	NK253326			25	33	26			
	NK253422			25	34	22			
	NK253425			25	34	25			
	NK253820			25	38	20			
	NK253825			25	38	25			
	NK254517.5			25	45	17.5			
26	NK26/16		30	26	34	16	15000	23000	16300
	NK26/20		40	26	34	20	17000	30000	16300
27	NK27X40X25			27	40	25			
28	RNA283833		99.8	28	38	33	33000	57000	12000
		F3833	99.8	28	38	33	33000	57000	12000
	NKS28		80	28	42	20	25900	33500	15000
	NK28/20		53	28	37	20	22000	34000	16500
	NK28/30			28	37	30	33000	57000	12000

专业创造品质，品质成就未来！

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实体套圈滚针轴承

轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	外形尺寸 Boundary Dimensions			额定负荷 Basic Load Rating		极限转速 Limiting Speed
	现型号	原型号		Fw	D	C	动 Dynamic	静 Static	油润滑 Oil
	Current Code	Original Code		mm			N		rpm
mm			g						
28	RNA69/22	63549/22		28	39	30			
29	NK29/20			29	38	20	21900	34000	15000
	NK29/30			29	38	30	32500	57000	15000
30	NK30/20	644805	57.9	30	40	20	20600	32000	15000
	NK30/30		95	30	40	30	31500	50000	15000
	RNA4905	4624905	57	30	42	17	23600	31500	14000
	RNA6905	6634905	106.5	30	42	30	39000	59000	14000
		624905	68	30	42	20	20000	32000	15000
	NK304013			30	40	13			
	NK304430			30	44	30			
	NK304630			30	46	30			
	NK305017			30	50	17			
	NKS30			30	45	17	32000	40000	14000
	RNA305225			30	52	25			
30.5	NK30.5X50X16			30.5	50	16			
	NK30.5X50X16			30.5	50	17			
31	NK31.75X44.45X31.75			31.75	44.45	22			
32	NK32/20	624705	75.4	32	42	20	22600	33500	15000
	RNA49/28	46449/28K	80	32	45	17	17400	30000	13000
	NAS32		100	32	47	22	31000	40000	13000
	RNA69/28		125	32	45	30	39500	61300	13000
		644906	42	32	38	11	10750	30500	12000
		644706	193	32	50	35	40500	63000	12000
	NKS32		100	32	47	22	31000	40000	12000
	NK32/30			32	42	30	33500	60000	12000
	RNA324527			32	45	27			
34	NK345034			34	50	34			
	NK345035			34	50	35			
35	NK35/20	644806	70	35	45	20	13800	26900	12000
	RNA4906	4624906	62.8	35	47	17	17000	30500	12000
	RNA6906	6634906	116	35	47	30	35000	67000	12000
		644907	161	35	51	51	43500	71000	12000
	NK354512			35	45	12			
	NK354830			35	48	30			
	NK355034			35	50	34			
	NK355236			35	52	36			
	RNA354527			35	45	27			
	RNA5906		108	35	47	23			

实体套圈滚针轴承

轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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
mm			g						
35	RNA355730			35	57	30			
	RNA355734			35	57	34			
36	NK365225			36	52	25			
		624706	154	37	52	22	28500	45500	9000
37	NK37/20			37	47	20	24900	43500	12000
	NK37/30			37	47	30	37000	73000	12000
38	NK38/20			38	48	20	25500	45000	12000
	NK38/30			38	48	30	38000	76000	12000
40	NK40/20		78.9	40	50	20	26500	43000	11000
	NK40/30		120	40	50	30	37500	79000	11000
	NK404815			40	48	15			
	NK405530			40	55	30			
	NKS40			40	55	22	38000	54000	11000
	RNA49/32			40	52	20			
	RNA69/32	66349/32	147	40	52	36	25500	68500	8500
	RNA405422			40	54	22			
42	RNA40X55X20			40	55	20			
	NK42/20		83	42	52	20	23900	45000	10000
	NK42/30		125	42	52	30	27000	49000	10000
	RNA4907	4624907	99.3	42	55	20	19800	41500	8700
	RNA5907			42	55	27			
	RNA6907	6634907	160	42	55	36	26000	60500	8700
		644708	148	42	65	22	31500	51000	8700
43	NK43/20		84	43	53	20	25700	75000	10000
	NK43/30		126	43	53	30	39000	75000	10000
45	NK45/20	644808	81.5	45	55	20	19800	46500	7650
		624708	75.3	45	55	22	20500	49600	7650
		46449/38	80	45	58	20	21600	50500	7650
	NK45/30			45	55	30	41000	88000	7650
	NKS45			45	60	22	40500	60000	7650
	RNA456227K			45	62	27			
47	NK47/20			47	57	20	28500	56000	7650
	NK47/30			47	57	30	43000	94000	7650
48	RNA4908	4644908	132	48	62	22	31000	63000	8120
	RNA5908		225	48	62	30	31000	63000	8120
	RNA6908	6634908	238	48	62	40	64000	112000	8120
50	RNA50/25		167	50	62	25	28000	67000	8140

专业创造品质，品质成就未来!

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■ 实体套圈滚针轴承

轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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			g							
50	RNA50/35		236	50	62	35	32000	70100	8140	
		624708K	328	50	65	34	40000	62000	8140	
	NK50/14			50	64	14	32000	70100	8140	
	NK50/15			50	65	15	40000	62000	8140	
	NK50/27YA	644810	257	50	67	27				
	NKS50			50	65	22				
	NK506825			50	68	25				
52	RNA4909	4624909	163	52	68	22	37000	69500	7600	
	RNA5909		232	52	68	30				
	RNA6909	6634909	308	52	68	40	61500	123500	7600	
55	NK55/25		167	55	68	25	30600	60800	7600	
		624709	210	55	68	25	36000	68000	7600	
	NK55/30			55	68	30	48000	63000	7600	
	NK55/35			55	68	35	55000	74000	7600	
	NKS55			55	72	22	45000	74000	7600	
58	RNA4910	4644910	161	58	72	22	41000	72000	7500	
	RNA6910	6634910	296	58	72	40	68000	135000	7500	
60	NK60/25		154	60	72	25	39000	86000	7000	
	NK60/35			60	72	35	56000	130000	7000	
	NKS60			60	80	28	63000	98000	7000	
63	RNA4911	4644911	241	63	80	25	50600	96580	7000	
	RNA6911	6634911	430	63	80	45	82560	172000	7000	
65	NK65/25			65	78	25	44000	98000	7000	
	NK65/35			65	78	35	59000	142000	7000	
	NKS65			65	85	28	67000	108000	7000	
68	RNA4912	4644912	257	68	85	25	52800	91050	7000	
	RNA5912	RNA5912	408	68	85	34				
	RNA6912	6634912	436	68	85	45	88500	186000	7000	
	NK68/25			68	82	25	43500	89000	7000	
70	NK70/25			70	85	25	44500	92000	6500	
	NK70/35			70	85	35	63000	144000	6500	
72	RNA4913	4644913	300	72	90	25	57500	110500	6500	
	RNA6913	6634913	571	72	90	45	87600	194500	6500	
75	NK75/25		315	75	92	25	54000	104000	6000	
	NK75/35		445	75	92	35	77000	162000	6000	
80	RNA4914	4644914	400	80	100	30	79000	154000	5500	
	RNA6914	6634914	815	80	100	54	121000	263000	5500	
	NK80/25			80	95	25				

实体套圈滚针轴承

轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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			g	mm		
80	NK80/35			80	95	35			
85	RNA4915	4644915	472	85	105	30	82000	158000	5500
	RNA5915		745	85	105	40			
	RNA6915	6634915	923	85	105	54	128000	272000	5500
	NK85/25			85	105	25	69000	123000	5500
	NK85/35			85	105	35	98000	193000	5500
90	RNA4916	4644916	496	90	110	30	81000	170500	5000
	RNA6916	6634916	978	90	110	54	130500	280600	5000
	NK90/35			90	110	30	103000	20800	5000
95	NK95/26			95	115	26	73000	137000	4800
	NK95/36			95	115	36	107000	223000	4800
96		SG-421	496	96	115	29	73000	137000	4600
100	RNA4917	4644917	608	100	120	35	98000	207000	4600
	RNA6917	6634917	1112	100	120	63	161000	337000	4600
	NK100/30			100	120	30			
	NK100/36			100	120	36	111000	237000	4600
105	RNA4918	4644918	713	105	125	35	98500	239000	4000
	RNA6918	6634918	1250	105	125	63	174000	38000	4000
	NK105/26			105	125	26	78000	155000	4000
	NK105/36			105	125	36	114000	250000	4000
110	RNA4919	4644919	685	110	130	35	112000	245000	3870
	RNA6919	6634919	1325	110	130	63	196000	400000	3870
	NK110/30			110	130	30	98000	21000	4200
	NK110/40			110	130	40	127000	29000	4200

轴径 Shaft Diameter	轴承型号 Bearing Designation	外形尺寸 Boundary Dimensions				额定负荷 Basic Load Rating		极限转速 Limiting Speed
		Fw	D	C	rs	动 Dynamic	静 Static	油润滑 Oil
		mm			min	N		rpm
115	NKS115	115	135	32	1.1	91000	204000	4000
	RNA4920	115	140	40	1.1	128000	270000	4000
120	NK120/40	120	140	40	1.1	113000	275000	3900
	RNA4822	120	140	30	1	94000	216000	3900
125	RNA4922	125	150	40	1.1	132000	290000	3700
130	RNA4824	130	150	30	1	99000	239000	3600
135	RNA4924	135	165	45	1.1	181000	390000	3400
145	RNA4826	145	165	35	1.1	118000	310000	3200

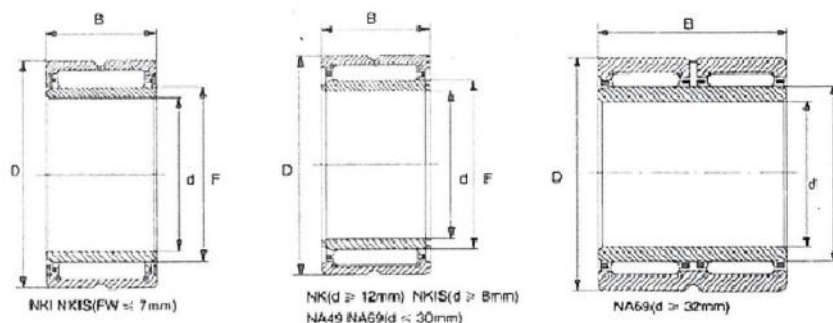
■ 实体套圈滚针轴承

轴径 Shaft Diameter	轴承型号 Bearing Designation	外形尺寸 Boundary Dimensions				额定负荷 Basic Load Rating		极限转速 Limiting Speed
		Fw	D	C	rs	动 Dynamic	静 Static	油润滑 Oil
		mm			min	N		rpm
mm								
150	RNA4926	150	180	50	1.5	203000	470000	3100
155	NK155/32	155	180	32	1.5	114000	260000	3000
	RNA4828	155	175	35	1.1	120000	325000	3000
160	RNA4928	160	190	50	1.5	209000	500000	2900
165	RNA4830	165	190	40	1.1	152000	400000	2800
175	RNA4832	175	200	40	1.1	160000	435000	2700
185	RNA4834	185	215	45	1.12	185000	510000	2500
195	RNA4836	195	225	45	1.1	194000	550000	2400
210	RNA4838	210	240	50	1.5	227000	690000	2300
220	RNA4840	220	250	50	1.5	230000	720000	2200
240	RNA4844	240	270	50	1.5	243000	790000	2000
265	RNA4848	265	300	60	2	355000	1080000	1800
285	RNA4852	285	320	60	2	370000	1160000	1700
305	RNA4856	305	350	69	2	450000	1300000	1500
330	RNA4860	330	380	80	2.1	620000	1770000	1400
350	RNA4864	350	400	80	2.1	630000	1850000	1300
370	RNA4868	370	420	80	2.1	640000	1940000	1300
390	RNA4872	390	440	80	2.1	660000	2020000	1200
415	RNA4876	415	480	100	2.1	1000000	2900000	1100

实体套圈滚针轴承

带内圈滚针轴承
NEEDLE ROLLER
BEARINGS
WITHOUT INNER RING

NKI, NA



轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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		D	Fw	D	B	动 Dynamic	静 Static	润滑油 Oil
	mm			mm				N		rpm
5	NA495		7	5		13	10	2670	2350	34000
	NA495TN		7	5		13	10	2670	2350	34000
6	NA496		9	6		15	10	3150	3000	32000
7	NA497		12	7		17	10	3600	3650	30000
8	NKI8/16			8	14	25	16	12400	11300	21500
	NA498		16	8		19	11	4300	3950	28000
9	NKI9/12		16.6	9	12	19	12	6200	7000	21700
	NA499		17	9		20	11	4850	4900	26000
	NKI9/16		21.9	9		19	16			
10	NKI10/16		27.3	10	14	22	16	9800	10500	19650
	NA4900	4524900	21	10	14	22	13	8000	9000	23700
	NA6900	6534900	38.4	10	14	22	22	9000	11000	23700
12	NA4901	4524901	25.1	12	16	24	13	9000	10800	20000
	NKI12/20		39	12	16	24	20	14000	18400	21000
	NA6901	6534901	44.5	12	16	24	22	6000	21600	20000
	NKIS12		58	12	18	30	16	16000	17000	20000
	NA12X32X15V			12		32	15			
15	NKI15/16		38	15	19	27	16	8800	12800	19100
	NKI15/20		45.7	15	19	27	20	12300	19000	19100
	NA4902	4924902	32	15	20	28	13	6400	9000	18000
	NA6902	6534902	61.6	15	20	28	23	13100	20900	18000
	NKIS15		90	15	22	35	20	23500	24000	17000
	NA5902		52	15	20	28	18			
	NAI53212			15		32	12			
	74802	74802		15		36	25.4			
16	NKIS16			16		28	16	13000	17400	22000
	NA16X36X24			16		36	24			
17	NKI17/16		41.1	17	21	29	16	13000	18200	20000
	NA4903	4544903	32.8	17	22	30	13	7000	10000	17000

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实体套圈滚针轴承

轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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		D	Fw	D	B	动 Dynamic	静 Static	油润滑 Oil
mm			g	mm				N		rpm
17	NA6903	6534903	68.2	17	22	30	23	14400	24900	17000
	NA5903		56	17	22	30	18	15200	21700	18000
	NA17			17		37	20			
20	NKI20/16		48.5	20	24	32	16	10800	17000	16700
	NA4904	4524904	70.2	20	25	37	17	21000	25000	17000
	NKIS20		119	20	28	42	20	28000	35500	15000
	NA6904	6254904		20	25	37	30	36000	51000	17000
	NA5904			20	25	37	23			
22	NKI22/16		50	22	26	34	16	15300	23600	17000
	NA49/22		76	22	28	39	17	22000	29500	15000
	NA69/22		130	22	28	39	30	37500	55000	15000
	NA223934			22	28	39	34			
23	NA2020			23		42	22			
25	NKI25/30		115	25	29	38	30	31500	56000	14000
	NA4905	4524905	76	25	30	42	17	23600	31500	14000
	NA6905	6534905	138	25	30	42	30	29000	59000	14000
	NKIS25		160	25	32	47	22	32000	55000	13000
		F-208277		25	32	47	22			
	NKI25/20			25	29	38	20	21900	34000	15000
	NA5905		139	25	30	42	23	30500	43000	13000
28	NA49/28	45449/28	98	28	32	45	17	24000	33500	14000
	NA69/28		170	28	32	45	30	40500	63000	14000
	NKI28/20			28	32	42	20	23000	37500	14000
30	NA4906	4544906	115	30	35	47	17	25000	35500	13000
	NA5906	6534906	152	30	35	47	23			
	NA6906			30	35	47	30	43500	71000	13000
	NKI30/20			30	35	45	20	24000	42500	13000
	NKI30/30			30	35	45	30	36500	69000	13000
32	NKI32/20			32	37	47	20	24900	43900	12000
		TAFI324720		32	37	47	20	24900	43500	12000
	NA49/32	45449/32	150	32	40	52	20	24900	43500	12000
	NA69/32	66349/32	272	32	40	52	36	100000	100000	11000
35	NKI35/30		165	35	40	50	30	39000	79000	11000
	NA4907	4524907	151	35	42	55	20	19800	41500	11000
	NA6907	6534907	301	35	42	55	36	26000	60500	11000
	NKIS35		220	35	43	58	22	33000	56000	9500
	NA5907		256	35	42	55	27			
40	NKI40/20		124	40	45	55	20	22000	48000	10000

实体套圈滚针轴承

轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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		D	Fw	D	B	动 Dynamic	静 Static	油润滑 Oil
				mm				N		rpm
mm			g							
40	NKI40/30		184	40	45	55	30	35000	86000	10000
	NA4908	4544908	240	40	48	62	22	42000	65000	8500
	NA6908		401	40	48	62	40	64000	112000	8500
	NA5908		348	40	48	62	30	53000	92500	8500
42	NKI42/20		138	40	47	57	20	26000	52500	9500
45	NKI45/25		218	42	50	62	25	36000	70000	8500
	NKI45/35		289	42	50	62	35	41500	102000	8500
	NA4909	4544909	260	45	52	68	22	37000	96500	8000
	NA6909	6534909	479	45	52	68	40	61500	123500	8000
	NKIS45		306	45	55	72	22	43000	71000	7500
	NA5909		396	45	50	68	30			
50	NKI50/25	TAFI506825	262	50	55	68	25	32000	78000	7500
	NA4910	4544910	264	50	58	72	22	41000	72000	7500
	NA5910			50	58	72	30			
	NA6910	6534910	457	50	58	72	40	68000	135000	7500
	NKIS50		510	50	60	80	28	60000	95000	7500
	NKI50/35	TAFI506835		50	55	68	35	53000	118000	7500
55	NKI55/35		357	55	60	72	35	48000	126800	7500
	NA4911	4544911	386	55	63	80	25	50600	96580	7500
	NA5911			55	63	80	34			
	NA6911	6534911	790	55	63	80	45	82560	172000	7500
60	NKI60/25		388	60	68	82	25	35500	85000	7000
	NA4912	4544912	412	60	68	85	25	52800	110500	6500
	NA5912		614	60	68	85	34			
	NA6912	6534612	798	60	68	85	45	88500	186000	6500
	NKIS60		550	60	70	90	28	65000	110000	6500
65	NA4913	4544913	435	65	72	90	25	57500	110500	6500
	NA6913	6534913	821	65	72	90	45	87600	194500	6500
	NKI65/25			65	73	90	25	53000	100000	6500
	NKI65/35			65	73	90	35	75000	156000	6500
70	NA4914	4544914	712	70	80	100	30	79000	154000	5500
	NA6914	6534914	1326	70	80	100	54	121000	263000	5500
	NKI70/35			70	80	95	35	78000	184000	5500
75	NA4915	4544915	765	75	85	105	30	82000	158000	5500
	NA5915		1130	75	85	105	40			
	NA6915	6534915	1429	75	85	105	54	128000	272000	5500
80	NA4916	4544916	870	80	90	110	30	81000	170500	5500
	NA6916	6534916	1510	80	90	110	54	130500	280600	5000

专业创造品质，品质成就未来！

Specialization is quality, quality is future!

实体套圈滚针轴承

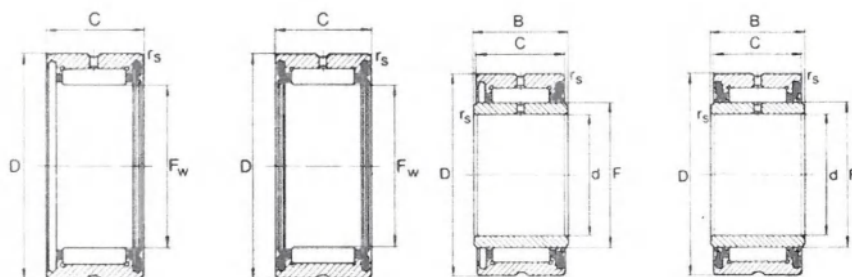
轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	外形尺寸 Boundary Dimensions				额定负荷 Basic Load Rating		极限转速 Limiting Speed
	现型号	原型号		D	Fw	D	B	动	静	
	Current Code	Original Code		mm				Dynamic	Static	
mm			g					N		rpm
80	NKI80/35			80	90	110	35	103000	208000	5000
85	NKI85/26			85	95	115	26	73000	137000	4800
	NKI85/36		1040	85	95	115	36	107000	223000	4800
	NA4917	4544917	1250	85	100	120	35	111000	237000	4600
	NA6917	6534917	2200	85	100	120	63	166000	400000	4600
90	NKI90/26			90	100	120	26	26000	146000	4600
	NA4918	4544918	1312	90	105	125	35	114000	250000	4600
	NA6918	6534918	2310	90	105	125	63	172000	425000	4600
95	NA4919	4544919	1371	95	110	130	35	116000	260000	4200
	NA6919	6534919	2500	95	110	130	63	174000	440000	4200
	NKI95/26			95	105	125	26	78000	115000	4200
	NKI95/36			95	105	125	36	114000	250000	4200
100	NA4920	4544920	1900	100	115	140	40	12000	274000	4000
	NKI100/30			100	110	130	30	98000	210000	4000
110	NA4922	4544922	2070	110	125	150	40	132000	290000	3700
	NA4822		1080	110	120	140	30	94000	216000	3900
120	NA4924	4544924	2860	120	135	165	45	181000	890000	3400
	NA4824		1170	120	130	150	30	99000	239000	3600
130	NA4926	4544926	3900	130	150	180	50	223000	470000	3100
	NA4826		1810	130	145	165	35	118000	310000	3200
140	NA4928	4544928	4150	140	160	190	50	209000	500000	2900
	NA4828		1920	140	155	175	35	120000	325000	3000
150	NA4830		2720	150	165	190	40	152000	400000	2800
160	NA4832		2890	160	175	200	40	160000	435000	2700
170	NA4834		3960	170	185	215	45	185000	510000	2500
180	NA4836		4200	180	195	225	45	194000	550000	2400
190	NA4838		5600	190	210	240	50	227000	690000	2300
200	NA4840		5840	200	220	250	50	230000	720000	2200
220	NA4844		6380	220	240	270	50	243000	790000	2000
240	NA4848		10000	240	265	300	60	355000	1080000	1800
260	NA4852	4524852	11300	260	285	320	60	37000	1160000	1700

实体套圈滚针轴承

无内圈或带内圈
的密封圈滚针轴承

SEAL RING NEEDLE ROLLER
BEARINGS WITH
INNER RING

RNA49...RS, RNA49...2RS
NA...RS, NA...2RS

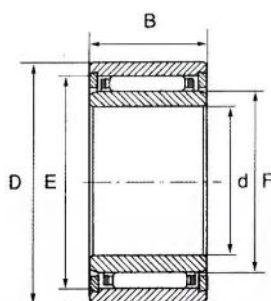


轴径 Shaft Diameter	轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions				额定负荷 Basic Load Rating		极限转速 Limiting Speed
	RNA49...RS 单面密封	RNA49...2RS 双面密封	Fw	D	C	rs	动 Dynamic	静 Static	油润滑 Oil
	mm		mm	Min			N		rpm
14	RNA4900RS	RNA4900.2RS	14	22	13	0.3	6800	6900	13000
16	RNA4901RS	RNA4901.2RS	16	24	13	0.3	7600	8300	12000
20	RNA4902RS	RNA4902.2RS	20	28	13	0.3	8600	10300	10000
22	RNA4903RS	RNA4903.2RS	22	30	13	0.3	8800	11000	9000
25	RNA4904RS	RNA4904.2RS	25	37	17	0.3	17300	19900	7500
30	RNA4905RS	RNA4905.2RS	30	42	17	0.3	19300	24200	6500
35	RNA4906RS	RNA4906.2RS	35	47	17	0.3	21100	28500	5500
42	RNA4907RS	RNA4907.2RS	42	55	20	0.6	26500	39500	4800
48	RNA4908RS	RNA4908.2RS	48	62	22	0.6	36000	53000	4200
52	RNA4909RS	RNA4909.2RS	52	68	22	0.6	38000	59000	3900
58	RNA4910RS	RNA4910.2RS	58	72	22	0.6	40000	64000	3500

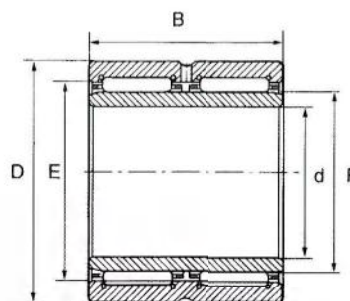
轴径 Shaft Diameter	轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions						额定负荷 Basic Load Rating		极限转速 Limiting Speed
	RNA49...RS 单面密封	RNA49...2RS 双面密封	d	Fw	D	D	B	rs	动 Dynamic	静 Static	油润滑 Oil
	mm		mm				Min		N		rpm
10	NA4900RS	NA4900.2RS	10	14	22	13	14	0.3	6800	6900	13000
12	NA4901RS	NA4901.2RS	12	16	24	13	14	0.3	7600	8300	12000
15	NA4902RS	NA4902.2RS	15	20	28	13	14	0.3	8600	10300	10000
17	NA4903RS	NA4903.2RS	17	22	30	13	14	0.3	8800	11000	9000
20	NA4904RS	NA4904.2RS	20	25	37	17	18	0.3	17300	19900	7500
25	NA4905RS	NA4905.2RS	25	30	42	17	18	0.3	19300	24200	6500
30	NA4906RS	NA4906.2RS	30	35	47	17	18	0.3	21100	28500	5500
35	NA4907RS	NA4907.2RS	35	42	55	20	21	0.6	26500	39500	4800
40	NA4908RS	NA4908.2RS	40	48	62	22	23	0.6	36000	53000	4200
45	NA4909RS	NA4909.2RS	45	52	68	22	23	0.6	38000	59000	3900
50	NA4910RS	NA4910.2RS	50	58	72	22	23	0.6	40000	64000	3500

TN=塑料保险架，允许运转温度：120℃连续地，150℃临时地，180℃短时地。1)对于脂润滑，允许值为表列数值的60%。+有档圈，无润滑油孔和槽，如需要油孔和槽时，需在轴承代号上增加ASR1。

■ 无挡边有内圈滚针轴承



NAO 单列



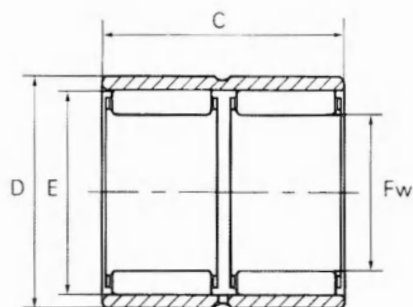
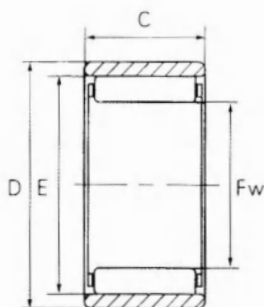
NAO 双列

轴径 shaft Diameter	轴承型号 Bearing Designation	重量 Mass 近似 Approx	外形尺寸 Boundary Dimensions					基本额定负荷 Basic Load Rating		极限转速 Limiting Speed
			d	D	B	F	E	动 Cr Dynamic	静 Cor Static	
			mm					N		rpm
6	NAO 6 × 17 × 10TN	13	6	17	10	10	13	3 950	5 000	17 080
9	NAO 9 × 22 × 12TN	22	9	22	12	12	18	8 800	7 900	12 090
12	NAO 12 × 24 × 13	29	12	24	13	16	20	8 000	16 000	15 020
	◦ NAO 12 × 24 × 20	43	12	24	20	16	20	10 300	16 800	20 000
	NAO 12 × 28 × 12	38.6	12	28	12	16	22	9 850	10 500	19 000
15	NAO 15 × 28 × 13	27.8	15	28	13	20	24	7 800	10 300	20 600
	NAO 15 × 32 × 12	48.1	15	32	12	20	26	10 400	14 020	20 000
	NAO 17 × 30 × 13	39	17	30	13	22	26	9 860	15 000	20 000
17	NAO 17 × 35 × 16	70	17	35	16	22	29	16 800	20 050	10 090
	NAO 20 × 35 × 17	72	20	35	17	22	29	12 600	20 200	16 000
20	NAO 20 × 37 × 16	81	20	37	16	25	32	10 000	18 000	12 700
	NAO 25 × 40 × 17	78.9	25	40	17	25	35	10 600	24 000	10 500
25	NAO 25 × 42 × 16	83	25	42	16	30	37	13 100	23 500	10 500
	◦ NAO 25 × 42 × 32	189	25	42	32	30	37	26 500	47 000	10 500
	NAO 30 × 45 × 13	73	30	45	13	35	40	11 200	25 000	11 207
30	NAO 30 × 45 × 17	100	30	45	17	35	40	12 800	28 500	11 207
	◦ NAO 30 × 45 × 26	150	30	45	26	35	40	17 500	32 900	11 207
	NAO 30 × 47 × 16	99.8	30	47	16	35	42	14 400	17 500	11 207
	NAO 30 × 47 × 18	109	30	47	18	35	42	20 000	33 000	11 207
	NAO 30 × 52 × 18	172	30	52	18	37	44	18 000	25 500	10 900
35	NAO 35 × 50 × 17	103	35	50	17	40	45	20 800	40 506	10 900
	NAO 35 × 55 × 20	175	35	55	20	40	47	28 500	41 000	10 000
	NAO 35 × 57 × 20.5	206	35	57	20.5	42	50	26 000	49 000	10 000
40	NAO 40 × 55 × 17	118	40	55	17	45	50	12 500	36 000	9 000
	NAO 40 × 65 × 20	269	40	65	20	50	58	35 000	61 200	8 000
50	NAO 50 × 68 × 20	219	50	68	20	55	60	24 500	62 000	7 500
	NAO 50 × 78 × 20	400	50	78	20	60	68	33 500	65 000	6 500
70	NAO 70 × 100 × 30	829	70	100	30	80	88	52 600	129 000	4 000
75	NAO 75 × 105 × 25	676	75	105	25	85	93	42 000	106 000	3 900
80	NAO 80 × 110 × 30	892	80	110	30	90	98	49 020	112 000	4 200
90	NAO 90 × 120 × 30	1 004	90	120	30	100	108	51 000	128 000	3 900

TN= 塑料保持架。允许工作温度：120℃连续，180℃短期。

◦“双列”脂润滑极限转速为表列数值的60%。

无挡边有内圈滚针轴承

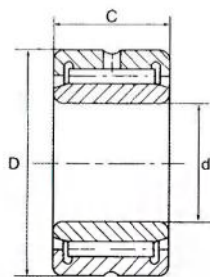


轴径 shaft Diameter	轴承型号 Bearing Designation	重量 Mass 近似 Approx	外形尺寸 Boundary Dimensions				基本额定负荷 Basic Load Rating		极限转速 Limiting Speed
			Fw	D	C	E	动 Cr Dynamic	静 Cor Static	油润滑 Oil
			mm				N		rpm
mm		g							
5	RNAO 5 × 10 × 8	2.8	5	10	8	8	2 050	1 720	27 800
6	RNAO 6 × 13 × 8TN	5	6	13	8	9	2 300	1 880	30 000
7	RNAO 7 × 14 × 8TN	5	7	14	8	10	2 250	1 950	31 000
8	RNAO 8 × 15 × 10TN	7.8	8	15	10	11	3 050	3 920	28 000
10	RNAO 10 × 17 × 10TN	9.1	10	17	10	13	3 960	4 500	20 000
12	RNAO 12 × 22 × 12TN	17.9	12	22	12	18	8 950	8 000	23 000
15	RNAO 15 × 23 × 13	18.5	15	23	13	19	6 500	5 900	21 100
16	RNAO 16 × 24 × 13	19.8	16	24	13	20	6 200	8 400	21 100
	◊ RNAO 16 × 24 × 20	29.7	16	24	20	20	10 200	14 800	21 100
17	RNAO 17 × 25 × 13	21	17	25	13	21	9 400	11 600	18 000
18	◊ RNAO 18 × 30 × 24	65	18	30	24	24	12 100	16 500	17 600
20	RNAO 20 × 28 × 13	24.5	20	28	13	24	7 800	9 600	16 000
	◊ RNAO 20 × 28 × 26	48.1	20	28	26	24	10 080	20 500	16 000
22	RNAO 22 × 35 × 13	25.2	22	35	13	26	9 200	12 000	14 000
25	RNAO 25 × 35 × 16	58	25	35	16	29	10 000	15 500	16 000
	RNAO 25 × 35 × 17	49	25	35	17	29	10 900	22 000	15 020
	◊ RNAO 25 × 35 × 26	67.8	25	35	26	29	12 400	25 000	15 020
	RNAO 25 × 37 × 16	59.2	25	37	16	32	15 000	20 900	12 000
26	RNAO 26 × 39 × 13	59	26	39	13	30	87 600	10 200	15 020
30	RNAO 30 × 40 × 17	59	30	40	17	35	12 600	24 000	10 050
	RNAO 30 × 42 × 16	49.9	30	42	16	37	13 000	23 200	10 050
35	RNAO 35 × 45 × 13	50	35	45	13	40	10 200	22 000	10 000
	◊ RNAO 35 × 45 × 26	88	35	45	26	40	20 500	40 000	10 000
	◊ RNAO 35 × 47 × 18	86	35	47	18	42	22 500	35 000	10 000
	RNAO 35 × 47 × 32	149	35	47	32	42	32 000	55 000	1 000
37	RNAO 37 × 52 × 18	115	37	52	18	44	118 900	35 500	8 800
40	RNAO 40 × 50 × 17	72	40	50	17	45	15 400	29 880	8 800
	RNAO 40 × 55 × 20	144	40	55	20	47	26 300	46 100	10 000
	◊ RNAO 40 × 55 × 40	268	40	55	40	48	54 700	87 000	10 000
42	RNAO 42 × 57 × 20	132	42	57	20	50	26 720	43 700	10 000
45	RNAO 45 × 55 × 17	82.5	45	55	17	50	18 000	36 000	9 000
	RNAO 45 × 62 × 40	368	45	62	40	53	42 200	85 050	9 000
50	RNAO 50 × 62 × 20	140	50	62	20	55	20 690	46 860	7 500
55	RNAO 55 × 68 × 20	157	55	68	20	60	22 480	52 074	6 500
60	RNAO 60 × 78 × 20	253	60	78	20	68	28 500	65 300	5 550
65	RNAO 65 × 85 × 30	394	65	85	30	73	37 000	90 900	4 900
70	RNAO 70 × 90 × 30	488	70	90	30	78	40 010	105 000	5 100
80	RNAO 80 × 100 × 30	527	80	100	30	88	52 000	139 000	4 890
85	RNAO 85 × 105 × 25	449	85	105	25	93	48 600	106 000	4 900
90	RNAO 90 × 105 × 25	323	90	105	25	98	42 519	129 000	4 900

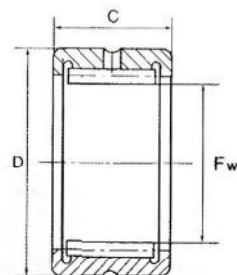
TN= 塑料保持架。允许的工作温度：120℃连续，180℃短期。

脂润滑极限转速为表列数值的60%。

满装滚针轴承



NAV



RNAV

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
	现行的 Current	被取代的 Substituted		Fw	Ew	Bc	动 Cr Dynamic	静 Cor Static	油润滑 Oil
无 内 圈									
21.87	RNAV4002	4084102	45	21.87	32	17	10 800	29 800	4 500
24.3	RNAV4003	4084103	62	24.3	35	18	17 900	37 900	4 300
28.7	RNAV4004	4084104	114	28.7	42	22	28 150	60 900	3 900
33.5	RNAV4005	4084105	129	33.5	47	22	33 800	70 800	3 700
40.1	RNAV4006	4084106	193	40.1	55	25	49 900	96 500	3 500
45.9	RNAV4007	4084107	259	45.9	62	27	47 600	122 800	3 100
51.6	RNAV4008	4084108	304	51.6	68	28	49 900	137 900	2 700
57.4	RNAV4009	4084109	390	57.4	75	30	52 500	153 500	2 600
62.1	RNAV4010	4084110	426	62.1	80	30	55 700	166 000	2 500
69.8	RNAV4011	4084111	645	69.8	90	35	68 500	225 800	2 300
74.6	RNAV34012	4084112	677	74.6	95	35	75 400	239 000	2 100
80.3	RNAV4013	4084113	692	80.3	100	35	79 500	256 900	1 900
88	RNAV4014	4084114	950	88	110	40	98 800	354 900	1 700
92.7	RNAV4015	4084115	1 000	92.7	115	45	101 800	372 900	1 600
100.3	RNAV4016	4084116	1 400	100.3	125	45	102 900	373 900	1 500
104.8	RNAV4017	4084117	1 540	104.8	130	45	103 800	374 800	1 400
有 内 圈									
15	RNAV4002	4074102	76	15	32	17	10 800	29 800	4 500
17	RNAV4003	4074103	94	17	35	18	17 900	37 900	4 300
20	RNAV4004	4074104	170	20	42	22	28 150	60 900	3 900
25	RNAV4005	4074105	195	25	47	22	33 800	70 800	3 700
30	RNAV4006	4074106	299	30	55	25	49 900	96 500	3 500
35	RNAV4007	4074107	402	35	62	27	47 600	122 800	3 100
40	RNAV4008	4074108	482	40	68	28	49 900	137 900	2 700
45	RNAV4009	4074109	617	45	75	30	52 500	153 500	2 600
50	RNAV4010	4074110	669	50	80	30	55 700	166 000	2 500
55	RNAV4011	4074111	1 030	55	90	35	68 500	225 800	2 300
60	RNAV34012	4074112	1 087	60	95	35	75 400	239 000	2 100
65	RNAV4013	4074113	1 156	65	100	35	79 500	256 900	1 900
70	RNAV4014	4074114	1 666	70	110	40	98 800	354 900	1 700
75	RNAV4015	4074115	1 762	75	115	45	101 800	372 900	1 600
80	RNAV4016	4074116	2 450	80	125	45	102 900	373 900	1 500
85	RNAV4017	4074117	2 500	85	130	45	103 800	374 800	1 400
17	—	74703	128	17	35	24.5	8 700	10 800	4 200
15	—	74802	100	15	36	24.5	8 700	11 200	4 400

滚轮轴承

支承滚轮 Roller Bearing

JH-支承滚轮具有厚壁外圈, 利用这种外圈, 滚轮可以直接在滚道上滚动, 并可以承受大的负荷。JH-支承滚轮有压力滚轮、偏心滚轮、摇杆滚轮。滚轮的外径为圆柱形或球形。利用球形外圈可以使安装时倾斜位置得到补偿。

JH-bearing roller with a thick-walled outer ring, using the outer ring, rollers can roll on roll Road, and can withstand a large load. JH-bearing roller pressure roller, eccentric wheel, rocker rollers. Wheel diameter cylindrical or spherical. The use of spherical outer ring tilt position can be compensated for during installation.

RNA22...2RS, NA22...2RS型支承滚轮 RNA22 ... 2RS, NA22 ... 2RS roller-type bearings

这种滚轮的直径尺寸与STO系列滚轮相同。只是它们稍宽一些, 双面密封结构使其不需要维护, 使用温度范围为 -20°C – 120°C 。在安装不带内圈的RNA22 2RS系列支承滚轮时应注意不要损伤密封圈, 外圈需要端面引导。

The diameter of this wheel size and STO series of the same wheel. Only some of them slightly wider, double-sided sealing structure so that it does not require maintenance, the use temperature range of -20°C – 120°C . The installation without inner ring RNA22 2RS series of supporting rollers should be careful not to damage O-ring, outer ring of the need end-to guide.

NATR, NATR...PP型支承滚轮 NATR, NATR ... PP-type roller bearing

NATR系列支承滚轮包括外圈、内圈、滚针保持架组件及压入并固定在内圈两侧的挡圈。NATR PP系列还附加密封环。这种支承滚轮具有大的润滑脂贮存空间, 可以长期使用而不必加脂。

NATR series of supporting rollers, including the outer ring, inner ring, needle roller cage components and pressed into and fixed to the inner sides of the Circlip. NATR PP series also attached seal ring. This roller bearing grease with a large storage space, you can add fat rather than long-term use.

NATV, NATV...PP型支承滚轮 NATV, NATV ... PP-type roller bearing

NATV系列支承滚轮与NATR系列支承滚轮基本相同, 唯一区别是NATV系列为满装滚针型。因此它可以在低速下承载较重负荷, 但必须注意经常润滑。NATV PP系列为带密封环的结构。

NATV series bearing wheel bearing roller with the NATR series is basically the same, the only difference is that NATV series full complement needle roller type. In the low speed so it can carry heavier loads, but must pay attention to the regular lubrication. NATV PP series with a seal ring structure.

NUTR型支承滚轮 NUTR-type roller bearing

NUTR系列为支承滚轮为双列满装滚子轴承, 外圈由挡圈引导。轴承的全部零件由压入外圈内的密封罩形成一种完整的单元, 密封罩与止推挡圈一起组成了高效的间隙密封。这种支承滚轮可以承受非承重的载荷, 由于滚动体的轴向引导, 即使在高手下也可承受冲击性的轴向载荷。

NUTR series supporting rollers for the double row full complement roller bearings, the outer ring guided by Circlips. Bearing all the parts from the press into the outer circle of the enclosure to form a complete unit, enclosure, together with the Thrust Collar composed of a highly efficient seal the gap. This supporting roller can bear the load of non-load-bearing, due to axial rolling body guidance, even in the master, may also absorb the shocks of axial load.

滚轮轴承

支承滚轮

YOKE TYPE TRACK

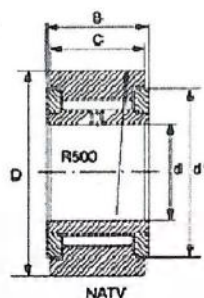
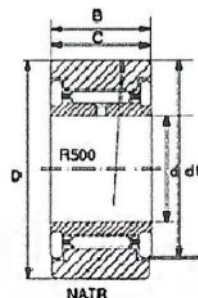
ROLLERS

有轴向引导

WITH AXIAL GUIDING

NATR, NATR...PP

NATV, NATV...PP



轴径 Shaft Diameter	轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions						额定负荷 Basic Load Rating		作为支撑滚轮 As yoke type track		极限转速 Limiting Speed	
	无内圈 Without IR	有内圈 With IR	d	D	B	c	d1	rs	动 Dynamic	静 Static	动 Dynamic	静 Static		
			mm						min	N				rpm
mm														
16	NATR 5	NATR 5 PP	5	16	12	11	12	0.15	3800	3750	3150	3300	* 22000	
	NATV 5	NATV 5 PP	5	16	12	11	12	0.15	6400	8500	4850	6500	8500	
19	NATR 6	NATR 6 PP	6	19	12	11	14	0.15	4250	4600	3500	3900	* 20000	
	NATV 6	NATV 6 PP	6	19	12	11	14	0.15	7300	10800	5500	7900	7000	
24	NATR 8	NATR 8 PP	8	24	15	14	19	0.3	6800	7700	5500	6400	* 15000	
	NATV 8	NATV 8 PP	8	24	15	14	19	0.3	10400	15600	7800	11400	5500	
30	NATR 10	NATR 10 PP	10	30	15	14	23	0.6	8100	9700	6800	8400	11000	
	NATV 10	NATV 10 PP	10	30	15	14	23	0.6	12200	19000	9500	14600	4500	
32	NATR 12	NATR 12 PP	12	32	15	14	25	0.6	8700	11000	6900	8800	9000	
	NATV 12	NATV 12 PP	12	32	15	14	25	0.6	13200	21700	9700	15400	3900	
35	NATR 15	NATR 15 PP	15	35	19	18	27	0.6	12900	19000	9700	14100	7000	
	NATV 15	NATV 15 PP	15	35	19	18	27	0.6	18300	35000	12800	23000	3400	
40	NATR 17	NATR 17 PP	17	40	21	20	32	1	14200	20400	10900	15500	6000	
	NATV 17	NATV 17 PP	17	40	21	20	32	1	21000	39500	14800	26500	2900	
47	NATR 20	NATR 20 PP	20	47	25	24	37	1	19500	32000	15500	25500	4900	
	NATV 20	NATV 20 PP	20	47	25	24	37	1	28000	59000	20600	42000	2600	
52	NATR 25	NATR 25 PP	25	52	25	24	42	1	21200	38000	15400	26500	3600	
	NATV 25	NATV 25 PP	25	52	25	24	42	1	31000	72000	20500	44000	2100	
62	NATR 30	NATR 30 PP	30	62	29	28	51	1	34000	59000	23600	38500	2600	
	NATV 30	NATV 30 PP	30	62	29	28	51	1	48500	108000	30500	63000	1700	
72	NATR 35	NATR 35 PP	35	72	29	28	58	1.1	37000	69000	25500	44500	2000	
	NATV 35	NATV 35 PP	35	72	29	28	58	1.1	53000	127000	33000	73000	1400	
80	NATR 40	NATR 40 PP	40	80	32	30	66	1.1	49000	94000	33000	59000	1700	
	NATV 40	NATV 40 PP	40	80	32	30	66	1.1	66000	159000	41000	90000	1300	
85	NATR 45	NATR 45 PP	45	85	32	30	72	1.1	51000	101000	32500	59000	1500	
90	NATR 50	NATR 50 PP	50	90	32	30	76	1.1	52000	108000	32000	59000	1300	
	NATV 50	NATV 50 PP	50	90	32	30	76	1.1	72000	191000	40500	93000	1000	

滚轮轴承

支承滚轮

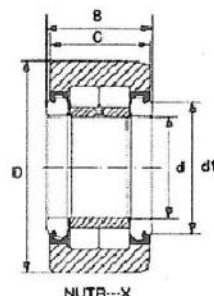
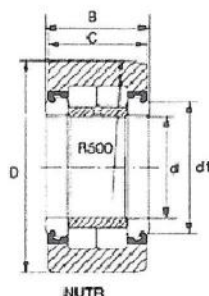
YOKE TYPE TRACK

ROLLERS

有轴向引导

WITH AXIAL GUIDING

NUTR, NUTR...X



轴径 Shaft Diameter	轴承型号 Bearing Designation	外形尺寸 Boundary Dimensions							额定负荷 Basic Load Rating		作为支撑滚轮 As yoke type track		Frperm	Forperm	极限转速 Limiting Speed
		d	D	B	c	d1	rs	ris	动 Dynamic	静 Static	动 Dynamic	静 Static			rpm
		mm							min N						
mm															
35	NUTR 15	15	35	19	18	20	0.6	0.3	23000	27000	16000	18300	8300	16400	6500
40	NUTR 17	17	40	21	20	22	1	0.3	24800	31000	18500	22800	13200	22800	5500
42	NUTR 15 42	15	42	19	18	20	0.6	0.3	23000	27000	19400	23800	23900	23900	6500
47	NUTR 17 47	17	47	21	20	22	1	0.3	24800	31000	21300	28000	28000	28000	5500
	NUTR 20	20	47	25	24	27	1	0.3	39000	50000	28000	35000	16500	33000	4200
52	NUTR 20 52	20	52	25	24	27	1	0.3	39000	50000	31500	41000	38500	41000	4200
	NUTR 25	25	52	25	24	31	1	0.3	43500	60000	29000	37500	17300	34500	3400
62	NUTR 25 62	25	62	25	24	31	1	0.3	43500	60000	35500	50000	50000	50000	3400
	NUTR 30	30	62	29	28	38	1	0.3	59000	79000	40000	51000	23600	47000	2600
72	NUTR 30 72	30	72	29	28	38	1	0.3	59000	79000	48000	65000	65000	65000	2600
	NUTR 35	35	72	29	28	44	1.1	0.6	65000	93000	45000	61000	32000	61000	2100
80	NUTR 35 80	35	80	29	28	44	1.1	0.6	65000	93000	51000	72000	72000	72000	2100
	NUTR 40	40	80	32	30	51	1.1	0.6	90000	134000	56000	76000	30500	60000	1600
85	NUTR 45	45	85	32	30	55	1.1	0.6	95000	147000	56000	79000	31500	61000	1400
90	NUTR 40 90	40	90	32	30	51	1.1	0.6	90000	134000	66000	96000	84000	96000	1600
	NUTR 50	50	90	32	30	60	1.1	0.6	10000	161000	57000	81000	32000	63000	1300
100	NUTR 45 100	45	100	32	30	55	1.1	0.6	95000	147000	72000	10800	106000	108000	1400
110	NUTR 50 110	50	110	32	30	60	1.1	0.6	10000	161000	76000	121000	121000	121000	1300

向心滚针和保持组件

向心滚针和保持架组件是独立的滚动元件，其保持架的两引导面间距宽广，既能精确引导滚针，又可保持滚针的正确位置。该类轴承适用于轴和座孔可作为滚道的场合，只须将轴和座孔滚道加工至规定的尺寸精度和几何精度，既可确保最小空间的高旋转精度。

1.结构形式

K	单列向心滚针和保持架组件
KK	双列向心滚针和保持架组件
KS	部分式单列向心滚针和保持架组件
KKS	部分式双列向心滚针和保持架组件
KZK	连杆曲柄销用滚针和保持架组件
KBK	连杆活塞销用滚针和保持架组件

HT 也生产各类英制保持架组件。

2.保持架材质一般使用优质碳素结构钢，也可根据需要采用 15crmo、20crmo 等低碳优质合金钢或尼龙保持架。钢质保持架经化学处理后，具有足够的强度和耐磨性，尼龙保持架最高运转温度一般为 120 度，短期运转允许 180 度。

3.HT 可提供镀铜、镀银、磷化、发黑等经过特殊表面处理的保持架。

4.滚针分组，在同一套组件中的滚针。其平均直径的上下偏差为 2-3um。

5.轴和外壳孔与组件配合的处的技术要求

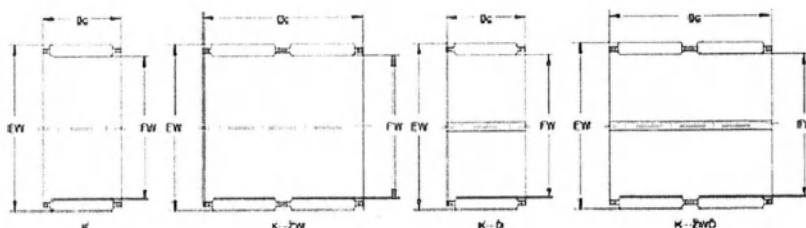
当向心滚针和保持架组件直接在轴和壳之间运转时，支撑的径向游隙取决于轴和壳体滚道加工公差，当外壳孔的尺寸公差为 G6 时，轴的尺寸公差推荐下表

轴的公称尺寸		径向游隙		
超过	到	小于正常	正常	大于正常
3	80	J5	H5	G6
80	250	H5	G5	F6

滚针保持架组件

滚针保持架组件
NEEDLE RETAINER
ASSEMBLY

K, K...ZW, K...D, K...ZWD



轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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	
mm			g	mm			N		rpm
3	K3X5X7TN		0.3	3	5	7	1.54	1.29	50000
	K3X5X9TN		0.4	3	5	9	1.71	1.48	
	K3X6X7TN		0.4	3	6	7	1.43	0.97	47000
4	K4X7X7TN		0.5	4	7	7	2.33	1.84	43000
	K4X7X10TN		0.7	4	7	10	2.35	1.92	39000
5	K5X8X8TN	29241/5	0.7	5	8	8	2300	1880	37000
	K5X8X10TN	39241/5	0.9	5	8	10	2800	2450	37000
6	K6X9X8TN	29241/6	0.8	6	9	8	25600	2240	35000
	K6X9X10TN	39241/6	1	6	9	10	3300	3100	35000
	K6X10X13TN	19241/6	1.3	6	10	13	3500	2800	33000
7	K7X10X8TN	29241/7	0.9	7	10	8	2750	2550	32000
	K7X10X10TN	39241/7	1.1	7	10	10	3350	3400	32000
8	K8X11X8TN	29241/8	1.1	8	11	8	3000	2900	30000
	K8X11X10TN	39241/8	1.7	8	11	10	3830	3950	30000
	K8X11X13TN	49241/8	1.8	8	11	13	5000	5700	30000
	K8X12X10TN	29242/8	1.3	8	12	10	4900	4600	30000
9	K9X12X10TN	39241/9	1.5	9	12	10	4200	4700	30000
	K9X12X13TN	19241/9	1.9	9	12	13	5500	6700	30000
10	K10X13X10TN	39241/10	1.6	10	13	10	4500	5250	27000
	K10X13X13TN	39241/10	2.1	10	13	13	6000	7600	27000
	K10X13X16TN		2.2	10	13	16	6300	7800	27000
	K10X14X10TN	29242/10	2.9	10	14	10	7000	7900	27000
	K10X14X13TN	Oct-22	4.3	10	14	13	8000	9100	26000
	K10X16X12TN	19244/10	3.7	10	16	12	7000	9300	27000
12	K12X15X9TN		2.7	12	15	9	4120	5210	25000
	K12X15X10TN	39241/12	1.9	12	15	10	4320	5730	25000
	K12X15X13TN	49241/12	2.4	12	15	13	6000	8100	25000
	K12X16X8TN	19242/12	2.9	12	16	8	1200	4700	25000
	K12X16X10TN	29242/12	3.4	12	16	10	6000	6900	25000

专业创造品质, 品质成就未来!

Specialization is quality, quality is future!

滚针保持架组件

轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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	
	mm			mm			N		油润滑 Oil rpm
18	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
	K18X26X14		19	18	26	14	18000	20000	18000
	K18X28X16	19244/18	24	18	28	16	19000	18400	19000
19	K19X23X13		8.2	19	23	13	9300	13000	20000
	K19X23X17		11.1	19	23	17	12000	18600	20000
20	K20X24X10	29241/20	6.5	20	24	10	8700	12100	19000
	K20X24X12		8	20	24	12	9600	13800	19000
	K20X24X13	39241/20	8.9	20	24	13	9600	13800	19000
	K20X24X17	59241/20	11.2	20	24	17	12400	20000	19000
	K20X26X12	19243/20	13.2	20	26	12	13100	15700	19000
	K20X26X16	K9249/20	17.5	20	26	16	18000	25000	18500
	K20X26X17	39243/20	18.2	20	26	17	18700	25500	19000
	K20X26X20	49243/20	22	20	26	20	20600	28500	19000
	K20X28X20	19245/20	26.8	20	28	20	23400	28000	18000
	K20X28X25	29245/20	36.2	20	28	25	30000	28500	18000
	K20X30X30	39245/20	56	20	30	30	35000	41000	18000
21	K21X25X13		9	21	25	13	9600	14500	19000
	K21X25X17		12	21	25	17	12800	21000	19000
22	K22X26X10	29241/22	7.1	22	26	10	8700	12900	18000
	K22X26X13	39241/22	9.4	22	26	13	10000	15400	18000
	K22X26X17	59241/22	12.1	22	26	17	13100	22100	18000
	K22X27X13	29242/22	10.8	22	27	13	14000	23000	18000
	K22X28X17	39243/22	19.7	22	28	17	19000	26500	18000
	K22X28X23	59243/22	26	22	28	23	20000	27000	19000
	K22X29X16	19244/22	22.2	22	29	16	19500	25000	17000
	K22X30X15TN		14.4	22	30	15	19600	22900	17000
	K22X30X20	19245/22	28	22	30	20	21000	23500	18900
	K22X32X24		43.4	22	32	24	33500	39500	16000
23	K23X35X16TN		30	23	35	16	24000	23400	15000
24	K24X28X10		8.1	24	28	10	9400	14300	17000
	K24X28X13		10.1	24	28	13	10500	17000	17000
	K24X28X17	9243/24	13.2	24	28	17	14000	24500	17000

滚针保持架组件

轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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
24	K24X29X13		13.5	24	29	13	13100	19100	16000	
	K24X30X17		21.5	24	30	17	19000	27000	16000	
	K24X30X31		39.1	24	30	31	27000	43000	16000	
25	K25X29X10	29241/25	8.3	25	29	10	9700	14900	16000	
	K25X29X13	39241/25	10.4	25	29	13	10800	17900	16000	
	K25X29X17	59241/25	13.7	25	29	17	14500	25500	16000	
	K25X30X13	29242/25	12.9	25	30	13	14100	21300	16000	
	K25X30X20	59242/25	20.5	25	30	20	21100	28000	16000	
	K25X30X25		21	25	30	25	21700	40400	15000	
	K25X30X26	52.436	21.6	25	30	26	20100	26500	15000	
	K25X31X17	39243/25	21.8	25	31	17	19000	28000	16000	
	K25X31X21	39243/25	26.2	25	31	21	24100	37500	16000	
	K25X32X16	19244/25	24.5	25	32	16	20500	27500	15000	
	K25X33X20	19245/25	32	25	33	20	28000	37500	15000	
	K25X33X24	29245/25	38.7	25	33	24	33900	46500	15000	
	K25X34X18		32	25	34	18	48000	67000	15000	
	K25X35X30	39245/25	65.5	25	35	30	46500	61500	14000	
	K25X30X26 ZW		27	25	30	26	21000	35000	14000	
26	K26X30X10		9	26	30	10	9500	15500	16000	
	K26X30X13		11.4	26	30	13	11100	18700	16000	
	K26X30X17		15	26	30	17	14700	27000	16000	
	K26X31X13		9.9	26	31	13	12400	18400	15000	
	K26X30X22		12.3	26	30	22	15200	28000	16000	
27	K27X32X17		29	27	32	27	16000	34000	17000	
28	K28X32X16.5		16	28	32	16.5	15000	32400	14000	
	K28X32X17	9242/28	18.2	28	32	17	15000	32400	14000	
	K28X33X13	29241/25	15.2	28	33	13	14800	23600	14000	
	K28X33X17	49241/28	19.5	28	33	17	19100	33000	14000	
	K28X33X27 TN	79241/28	19	28	33	27	22800	40500	14000	
	K28X34X17	39242/28	24.2	28	34	17	21300	35000	14000	
	K28X35X16	19243/28	26	28	35	16	21000	29000		
	K28X35X18		31	28	35	18	23500	33500	14000	
	K28X35X20	29243/28	35	28	35	20	24000	34000	14000	
	K28X35X27		47	28	35	27	34500	54500	14000	
	K28X36X16		40	28	36	16	34000	47000	11000	
	K28X40X18		50	28	40	18	33000	36500	12000	
K28X40X25		71	28	40	25	45000	54500	12000		
30	K30X33X10			30	33	10				

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滚针保持架组件

轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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	
mm			g						rpm
35	K35X45X49		120	35	45	49	81500	13400	10000
	K35X40X30 ZW		48	35	40	30	31500	65500	11000
	K35X42X20 ZW	29243/35	41	35	42	20	29500	48500	11000
36	K36X41X30		52	36	41	30	23000	43000	11000
	K36X42X16		50	36	42	16	24000	42000	11000
37	K37X42X17		25.8	37	42	17	21900	42500	10000
	K37X42X27		40.7	37	42	27	31500	67500	10000
	K37X45X26		60.5	37	45	26	43500	73500	10000
38	K38X43X17	49241/38	26.9	38	43	17	20000	38000	10000
	K38X43X27	49241/38	43.2	38	43	27	31000	67500	10000
	K38X46X20	19244/38	46	38	46	20	35000	56500	10000
	K38X46X32		72.7	38	46	32	54500	98500	10000
39	K39X44X24		38	39	44	24	28000	58500	10000
	K39X44X26 ZW		29.5	39	44	26	27000	55500	10000
40	K40x44x13		20	40	44	13	13500	28000	10000
	K40x45x13	29241/40	21.5	40	45	13	17100	32000	10000
	K40x45x17	49241/40	27.4	40	45	17	20900	41000	10000
	K40x45x21		36.5	40	45	21	24400	49500	10000
	K40x45x27	19241/40	46	40	45	27	32500	72500	10000
	K40x46x17	39242/40	30	40	46	17	24500	44500	9000
	K40x47x18		45.2	40	47	18	29000	49500	9000
	K40x47x20	29243/40	42	40	47	20	32000	56500	9000
	K40x48x20	19244/40	57.7	40	48	20	35500	58500	9000
42	K40x45x30 ZW		48	40	45	30	26000	53500	9000
	K42x47x13	29241/42	22.5	42	47	13	17300	33000	9000
	K42x47x17	49241/42	31.1	42	47	17	21100	42500	9000
	K42x47x25 TN		25.4	42	47	25	27000	57500	9000
	K42x47x27	79241/42	46.6	42	47	27	33000	74500	9000
	K42x48x35	79242/42	60	42	48	35	35000	76000	9000
	K42x50x18		53	42	50	18	31000	49500	9000
	K42x50x20	19244/42	54	42	50	20	34500	56500	9000
43	K42x47x30 ZW		54	42	47	30	31000	75500	9000
	K43x48x17		29.3	43	48	17	21000	42500	9000
	K43x48x27		45.7	43	48	27	33000	74500	9000
45	K43x50x18	9249/43	48.5	43	50	18	30500	53500	8000
	K45x49x19		27	45	49	19	17500	40000	8000
	K45x50x17	49241/45	25.5	45	50	17	22000	45000	8000
	K45x50x27	19241/45	50	45	50	27	34000	79500	8000

滚针保持架组件

轴径 Shaft Diameter	轴承型号 Bearing Designation		重量 Mass 近似 Approx	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			g	mm			N		rpm
58	K58x65x18		52	58	65	18	34500	69500	6000
	K58x65x38ZW		106	58	65	38	48500	106500	6000
60	K60x65x20	49241/60	50.5	60	65	20	29000	71500	6000
	K60x65x30	69241/60	71.2	60	65	30	42000	115500	6000
	K60x68x20	19243/60	79	60	68	20	43000	84500	5500
	K60x68x23		94	60	68	23	49000	100500	5500
	K60x68x25	29243/60	97	60	68	25	52500	110500	5500
	K60x68x27		98	60	68	27	59000	120500	6000
	K60x75x42		240	60	75	42	11300	19200	5500
	K60x66x33ZW		104	60	66	33	45500	111500	6000
	K60x66x40ZW		116	60	66	40	57500	150500	5500
	K60x68x30ZW		136	60	68	30	44000	87500	5500
	K60x68x34ZW		140	60	68	34	47500	95500	5500
62	K62x70x40ZW		147.5	62	70	40	65500	145500	5500
63	K63x70x21		75	63	70	21	45000	100500	5500
64	K47x70x16		53	64	70	16	27500	59500	5500
65	K65x70x20	49241/65	49	65	70	20	30000	76500	5500
	K65x70x30		83	65	70	30	43500	93500	5500
	K65x73x23		100	65	73	23	45500	93500	5000
	K65x73x30	39243/65	126	65	73	30	56500	122500	5000
68	K68x74x20	49241/68	65	68	74	20	35000	83500	5000
	K68x74x30	69241/68	97	68	74	30	46000	117500	5000
	K68x74x35 ZW	79241/68	116	68	74	35	48000	124500	5000
	K68x75x20		120	68	75	32	53500	127500	4500
70	K70x76x20	49241/70	70	70	76	20	35500	85500	4500
	K70x76x30	69241/70	100	70	76	30	51500	138500	4500
	K70x78x25	29243/70	115	70	78	25	51500	111500	4500
	K70x78x30	39243/70	136	70	78	30	59500	134500	4500
	K70x80x30	29244/70	150	70	80	30	72500	147500	4500
	K70x78x46 ZW		230	70	78	46	77500	18800	4500
72	K72x80x20	19243/72	94	72	80	20	41000	84500	4500
73	K73x79x20		69	73	79	20	36500	99500	4500
75	K75x81x20	49241/75	72	75	81	20	37000	93500	4500
	K75x81x30	69241/75	106	75	81	30	51500	142000	4500
	K75x83x23		113	75	83	23	49500	108000	4000
	K75x83x30	39243/75	147	75	83	30	91500	142000	4000
	K75x83x35 ZW	49243/75	165	75	83	35	62500	146500	4000
	K75x83x40 ZW	59243/75	190	75	83	40	72500	176500	4000

汽车用滚针轴承

CTB 可提供下列国产轿车、微型汽车、面包车、重载卡车、轻型车、翻斗车、农用车等各种汽车用滚针轴承及进口汽车用公英制滚针轴承。

1、向心滚针和保持架组件

轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions		
现行的 Current	被取代的 Substituted	Fw	Ew	Bc
mm				
K14 × 18 × 17	59241/14	14	18	17
K15 × 20 × 20	59242/14	15	20	20
K16 × 23 × 14	k9247/16	16	23	14
K17.5 × 22 × 16	—	17.5	22	16
K17.5 × 22 × 17	59241/17.5	17.5	22	17
K18 × 28 × 16	—	18	28	16
K20 × 26 × 28	—	20	26	28
K20 × 30 × 20	9249/20	20	30	20
K20 × 30 × 23	—	20	30	23
K22 × 28 × 23	—	22	28	23
K23 × 35 × 15.2	—	23	35	15.2
K24 × 30 × 17	—	24	30	17
K25 × 29 × 13	9242/25	25	29	13
K25 × 29 × 17	9243/25	25	29	17
K25 × 30 × 20	59242/25	25	30	20
K25 × 30 × 24	—	25	30	24
K25 × 30 × 25	69242/25	25	30	25
K25 × 30 × 26	SZ-436	25	30	26
KKS25 × 30 × 33	—	25	30	33
K25 × 32 × 25	39243/25	25	32	25
K25 × 33 × 24	9249/25	25	33	24
K27 × 32 × 23	—	27	32	23
K27 × 32 × 27	K4927/27	27	32	27
K27 × 40 × 30	49245/27	27	40	30
K27 × 40 × 43	—	27	40	43
K27 × 47 × 43	49245/27	27	47	43
K28 × 33 × 17	49245/28	28	33	17
K30 × 35 × 20	59241/30	30	35	20
K30 × 35 × 27	9243/30	30	35	27
K30 × 38 × 25	29244/30	30	38	25
K30 × 40 × 27	9249/30	30	40	27
K30 × 42 × 32	9248/30	30	42	32
K30 × 42 × 44.1	64706K1	30	42	44.1
K30 × 46 × 28	—	30	46	28
K32 × 37 × 20	59241/32	32	37	20
K32 × 37 × 25	—	32	37	25
K32 × 37 × 28	—	32	37	28
KK32 × 37 × 36	—	32	37	36
K35 × 40 × 27	9243/35	35	40	27
K35 × 40 × 31	—	35	40	31
KK36 × 40 × 28.8	—	36	40	28.8
KK36 × 40 × 31	—	36	40	31
KK37 × 42 × 30	—	37	42	30
K37 × 42 × 31	—	37	42	31
KK38 × 43 × 36	—	38	43	36
K38 × 44 × 25	59242/35	38	44	25
K38 × 44 × 28	—	38	44	28
K38 × 46 × 20	19244/38	38	46	20

轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions		
现行的 Current	被取代的 Substituted	Fw	Ew	Bc
mm				
K35 × 46 × 30	39244/38	35	46	30
K38.4 × 44.4 × 44	SZ-450	38.4	44.4	44
KK40 × 44 × 26	—	40	44	26
KK40 × 44 × 30	—	40	44	30
K40 × 45 × 17	9242/40	40	45	17
K40 × 45 × 27	9243/40	40	45	27
K40 × 45 × 30	—	40	45	30
K40 × 46 × 17	39242/40	40	46	17
KK41 × 48 × 30	—	41	48	30
K42 × 48 × 35	79242/42	42	48	35
K43 × 49 × 31	SZ-418	43	49	31
K43 × 50 × 18	9249/43	43	50	18
KK44 × 50 × 30.5	—	44	50	30.5
KK45 × 49 × 30.7	—	45	49	30.7
K45 × 50 × 17	9242/45	45	50	17
K45 × 50 × 27	9243/45	45	50	27
K45 × 50 × 29	—	45	50	29
K45 × 50 × 31	—	45	50	31
KK45 × 50 × 31	—	45	50	31
K46 × 52 × 37	SZ417	46	52	37
K48 × 54 × 25	59242/48	48	54	25
K48 × 54 × 29	9247/48	48	54	29
KKS48 × 54 × 40	62649/48	48	54	40
KK49 × 55 × 32	—	49	55	32
K50 × 55 × 30	9243/50	50	55	30
K50 × 55 × 40	—	50	55	40
K51.5 × 59.5 × 35	—	51.5	59.5	35
KK52 × 58 × 32	—	52	58	32
K54 × 62 × 21	9249/54	54	62	21
K55 × 60 × 30	9243/55	55	60	30
K55 × 61 × 20	49241/55	55	61	20
KKS55 × 62 × 40	9248/55K	55	62	40
K56 × 61 × 30	—	56	61	30
K56 × 61 × 34	9249/56	56	61	34
K60 × 65 × 30	—	60	65	30
K60 × 66 × 21.2	DC6J70T-450	60	66	21.2
K60 × 66 × 23.3	—	60	66	23.3
K60 × 66 × 30	9249/60	60	66	30
K62 × 70 × 20	—	62	70	20
K63 × 71 × 25	9246/63	63	71	25
K65 × 70 × 20	49249/65	65	70	20
K70 × 76 × 30	69241/70	70	76	30
K75 × 81 × 20	49241/75	75	81	20
K78 × 85 × 19.7	DC6J70T-445	78	85	19.7
K78 × 85 × 23.3	—	78	85	23.3
K80 × 88 × 25	9246/80	80	88	25
K85 × 92 × 17.2	DC6170T-440	85	92	17.2
K85 × 92 × 18.8	—	85	92	18.8

汽车用滚针轴承

2、冲压外圈滚针轴承

轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions		
现行的 Current	被取代的 Substituted	Fw	Ew	Bc
		mm		
带保持架				
HK10 × 15 × 15	—	10	15	15
HK16 × 22 × 17	SZ435	16	22	17
HK1715RS	HK172315	17	23	15
HK2016	57941/20	20	26	16
HK2020	77941/20	20	26	20
HK2516	7941/25	25	32	16
HK2520	67941/25	25	32	20
HK25 × 34 × 20	57948/25	25	34	20
HK4020	—	40	48	20
HK55 × 61 × 12	77949/55	55	61	12
满装滚针				
F/12 × 17 × 12	942/12	12	17	12
F/15 × 20 × 12	942/15	15	20	12
F-1714	941/17	17	23	14
F/20 × 26 × 15	943/20	20	26	15
F/22 × 28 × 12	949/22	22	28	12
F-2516	40941/25	25	32	16
F-2520	60941/25	25	32	20
F-2525	943/25	25	32	25
F/30 × 38 × 25	947/30K	30	38	25
F/30 × 40 × 28	948/30K	30	40	28
F/32 × 40 × 32	943/32	32	40	32
F/40 × 50 × 38	943/40	40	50	38
FH/45 × 55 × 38	943/45	45	55	38
F/50 × 60 × 38	943/50	50	60	38
MF/12 × 16 × 7	—	12	16	7
MF-1212	6941/12	12	17	12

3、滚针轴承

轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions		
现行的 Current	被取代的 Substituted	Fw	Ew	Bc
		mm		
无内圈				
NK30 × 50 × 17	—	30	50	17
NK30 × 51 × 17	—	30	51	17
RNA4904	4644904	25	37	17
RNA4906	4644906	35	47	17
RNA4910	4644910	58	72	22
RNAV4004	4084104	28.7	42	22
RNAV4007	4084107	45.9	62	27
RNAV4908	4084908K	48	62	22
带内圈				
NKI38/20	—	38	53	20
NA4906	4544906	30	47	14
NA4917	4544917	85	120	35
NAV4006	4074106	30	55	25
NAV4910	4074910	50	72	22

4、内圈

轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions		
现行的 Current	被取代的 Substituted	Fw	Ew	Bc
		mm		
IR20 × 27 × 28	—	20	27	28
IR22 × 27 × 30	—	22	27	30
IR35 × 40 × 20	71351-81	35	40	20
IR37 × 45 × 28	1701316-81	37	45	28
IR40 × 50 × 31	—	40	50	31
IR50 × 60 × 43	DC6J70T-138	50	60	43
IR70 × 78 × 40	DC6J70T-119	70	78	40
IR71 × 78 × 40	DC6J70T-118	71	78	40

5、内圈

轴承型号 Bearing Designation	外形尺寸 Boundary Dimensions	
	Fw	Bc
	mm	
1.6 × 9	1.6	9
2 × 14	2	14
3.5 × 21.7	3.5	21.7
3.5 × 30	3.5	30
4 × 34.8	4	34.8
4.6 × 22	4.6	22
5.5 × 9	5.5	9
5.5 × 16	5.5	16
6.035 × 16.8	6.035	16.8
8.5 × 21.7	8.5	21.7

6、长圆柱滚子和保持架组件

轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions		
现行的 Current	被取代的 Substituted	Fw	Ew	Bc
		mm		
664903	—	19.051	28.588	36.75
64904	—	19.051	28.588	43.25
64904K	864904	20.612	33.325	35
KNL20 × 30.02 × 18	64704	20	30.02	18
KNL25 × 38 × 24.7	64805	25	38	24.7
64905	—	25.4	41.288	60.4
64706	—	29.975	42	44.1

7、长圆柱滚子和保持架组件

轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions		
现行的 Current	被取代的 Substituted	Fw	Ew	Bc
		mm		
889106	AXK3047	30	47	2
AS3047	—	30	47	1
889107	AXK3552	35	52	2