



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 $-20^{\circ}\text{C}\sim 120^{\circ}\text{C}$ 。

主要结构形式

公制系列：HK、BK、F、FH、FY、MF、MFH、MFY、HF、HFL。

英制系列：SCE、BCE、SCH、BCH、SN、B、BH、M、MH、RC、RCB。

例：	HK	20	20	2RS	ARI
		内切圆直径	宽度		
HK	穿孔型冲压外圈滚针轴承			RS - 一个密封圈，配公制系列	
BK	封口型冲压外圈滚针轴承			2RS - 二个密封圈，配公制系列	
F	穿孔型冲压外圈满装滚针轴承			P - 一个密封圈，配英制系列	
FY	穿孔型冲压外圈满装滚针轴承（油脂限位）			PP - 二个密封圈，配英制系列	
FH	穿孔型冲压外圈满装滚针轴承（重系列）			ARI/OH- 油孔	
MF	封口型冲压外圈满装滚针轴承				
MFH	封口型冲压外圈满装滚针轴承（重系列）				
MFY	封口型冲压外圈满装滚针轴承（油脂限位）				
SCE	穿孔型冲压外圈滚针轴承				
BCE	封口型冲压外圈滚针轴承				
SCH	穿孔型冲压外圈滚针轴承（重系列）				
BCH	封口型冲压外圈滚针轴承（重系列）				
SN	穿孔型冲压外圈满装滚针轴承				
B	穿孔型冲压外圈满装滚针轴承				
BH	穿孔型冲压外圈满装滚针轴承（重系列）				
M	封口型冲压外圈满装滚针轴承				
MH	封口型冲压外圈满装滚针轴承（重系列）				
HF、HFL	冲压外圈滚针离合器（公制）				
RC、RCB	冲压外圈滚针离合器（英制）				

Drawn cup needle roller bearings

Outer ring for drawn cup needle roller bearings (DC type) is made of cold rolled steel strip accurately formed. Structure of DC needle roller bearings features space saving and higher capacity. They are suitable for applications with limited space and housing not hard enough to act as raceway. No requirement on axial location when the DC needle roller bearing is pressed into the housing.

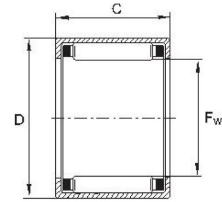
In most applications inner ring is not necessary for DC needle roller bearings unless shaft raceway is impractical, standard inner rings for DC. To compare with Open end DC needle roller bearings, Close end DC needle roller bearings are good for sealing at the close end of bearings. Operating temperature range for bearings grease lubricated are -20°C to $+120^{\circ}\text{C}$.

Structures of various series of drawn cup needle rollers

Metric series: HK、BK、F、FH、FY、MF、MFH、MFY、HF、HFL.

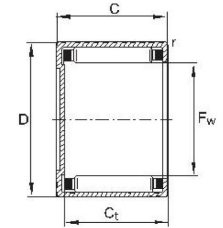
Inch series: SCE、BCE、SCH、BCH、SN、B、BH、M、MH、RC、RCB.

HK	20	20	2RS	ARI
	Fw	Width		
HK	Caged, with open ends		RS	- 1 seal, with metric series
BK	Caged, with open ends		2RS	- 2 seals, with metric series
F	Full complement, with open ends		P	- 1 seal, with inch series
FH	Full complement, with open ends (Heavy series)		PP	- 2 seals, with inch series
FY	Full complement, grease retained, with open ends		ARI/OH	- Oil hole
MF	Full complement, with open ends			
MFH	Full complement, with open ends (Heavy series)			
MFY	Full complement, grease retained, with open ends			
SCE	Caged, with open ends			
BCE	Caged, with open ends			
SCH	Caged, with open ends (Heavy series)			
BCH	Caged, with closed ends (Heavy series)			
SN	Full complement, grease retained with open ends			
B	Full complement, with open ends			
BH	Full complement, with open ends (Heavy series)			
M	Full complement, with closed ends			
MH	Full complement, with closed ends (Heavy series)			
HF、HFL	Drawn cup needle clutches (metric)			
RC、RCB	Drawn cup needle clutches (inch)			



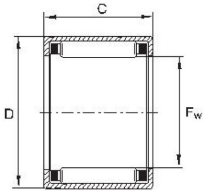
HK

开口型 Open ends		封口型 Closed end		尺寸(毫米) Dimensions (mm)				
轴承型号 Bearomg Designation	Mass 质量 ≈ g (克)	轴承型号 Bearomg Designation	Mass 质量 ≈ g (克)	F _w	D	C	C _t	r
						-0.3	min.	min.
HK0306-TV	1	+ BK0306	1	3	6.5	6	5.2	0.3
HK0408	2	+ BK0408	2.1	4	8	8	6.4	0.3
HK0509	2	+ BK0509	2.1	5	9	9	7.4	0.4
HK0606	1.5	-	-	6	10	6	-	0.4
HK0608	2.1	-	-	6	10	8	-	0.4
HK0609	2.5	BK0609	2.6	6	10	9	7.4	0.4
HK0709	2.6	BK0709	2.9	7	11	9	7.4	0.4
HK0808	2.7	BK0808	3	8	12	8	6.4	0.4
HK0810	3	BK0810	3.4	8	12	10	8.4	0.4
HK0908	3	-	-	9	13	8	-	0.4
HK0910	4	BK0910	4.3	9	13	10	8.4	0.4
HK0912	4.6	BK0912	4.9	9	13	12	10.4	0.4
HK1010	4.1	BK1010	4.3	10	14	10	8.4	0.4
HK1012	4.8	BK1012	5	10	14	12	10.4	0.4
HK1015	6	BK1015	6.2	10	14	15	13.4	0.4
HK1210	4.6	BK1210	5.2	12	16	10	8.4	0.4
HK1212	9	BK1212	10	12	18	12	9.3	0.8
HK1312	10	BK1312	11	13	19	12	9.3	0.8
HK1412	10.5	BK1412	12	14	20	12	9.3	0.8
HK1512	11	BK1512	13	15	21	12	9.3	0.8
HK1516	15	BK1516	17	15	21	16	13.3	0.8
HK1522-ZW	20	-	-	15	21	22	-	0.8
HK1612	12	BK1612	14	16	22	12	9.3	0.8
HK1616	16	BK1616	18	16	22	16	13.3	0.8
HK1622-ZW	22	BK1622-ZW	24	16	22	22	19.3	0.8
HK1712	12	-	-	17	23	12	-	0.8
HK1812	13	BK1812	15	18	24	12	9.3	0.8
HK1816	18	BK1816	20	18	24	16	13.3	0.8
HK2010	12	-	-	20	26	10	-	0.8
HK2012	14	-	-	20	26	12	-	0.8
HK2016	19	BK2016	22	20	26	16	13.3	0.8
HK2020	24	BK2020	27	20	26	20	17.3	0.8
HK2030-ZW	35	-	-	20	26	30	-	0.8



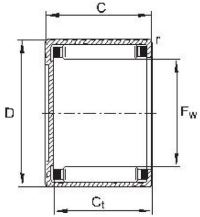
BK

基本额定负荷 Basic load ratings			极限疲劳 载荷 Fatigue limit load C _{ur}	极限转速 Limiting speed n _G	参考转速 Reference speed n _B	匹配内圈 Suitable inner rings	
dyn C _r N	动态	stat. C _{or} N	静态	min ⁻¹	min ⁻¹	LR Designation 型号	IR Designation 型号
1230		840	113	46000	49500	-	-
1780		1310	114	41000	38500	-	-
2400		1990	239	38000	32000	-	-
1610		1220	167	35000	28500	-	-
2030		1650	184	35000	28500	-	-
2850		2600	310	35000	27000	-	-
3100		2950	355	31000	24000	-	-
2750		2600	290	28000	21800	-	-
3800		3950	500	28000	21200	-	IR5X8X12
3550		3750	440	25500	19000	-	-
4250		4650	600	25500	19000	-	-
5300		6300	860	25500	18700	-	IR6X9X12
4400		5100	650	23300	17400	LR7X10X10.5	IR7X10X10.5
5500		6800	930	23300	17100	-	IR7X10X12
6800		8800	1210	23300	17000	-	IR7X10X16
4950		6200	8000	20000	14800	LR8X12X10.5	IR8X12X10.5
6500		7300	860	18700	13800	LR8X12X12.5	IR8X12X12.5
6800		7900	940	17500	12900	LR10X13X12.5	IR10X13X12.5
7100		8500	1010	16500	12100	-	IR10X14X13
7900		9400	1150	15600	11400	LR12X15X12.5	IR12X15X12.5
10500		14400	1780	15600	11200	LR12X15X16.5	IR12X15X16.5
13400		19500	2380	15600	11200	LR12X15X22.5	IR12X15X22.5
7600		9700	1160	14700	10900	-	IR12X16X13
10900		15300	1900	14700	10600	-	IR12X16X16
13100		19400	2320	14700	10700	-	IR12X16X22
7900		10300	1230	14000	10300	-	-
8100		10900	1300	13300	9800	LR15X18X12.5	-
11600		17300	2140	13300	9600	LR15X18X16.5	IR15X18X16.5
6400		8200	1040	12200	9300	-	-
8600		12100	1450	12200	9000	-	IR15X20X13
12700		20100	2500	12200	8700	LR17X20X16.5	IR17X20X16.5
15700		26000	3500	12200	8600	LR17X20X20.5	IR17X20X20.5
21800		40000	5000	12200	8600	LR17X20X30.5	IR17X20X30.5

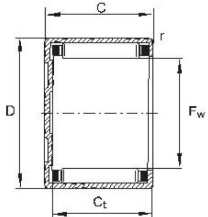


HK

开口型 Open ends		封口型 Closed end		尺寸(毫米) Dimensions (mm)				
轴承型号 Bearomg Designation	Mass 质量 ≈ g (克)	轴承型号 Bearomg Designation		F _w	D	C	C _t	r
						-0.3	min.	min.
HK2210	13	-	-	22	28	10	-	0.8
HK2212	15	BK2212	18	22	28	12	9.3	0.8
HK2216	21	BK2216	24	22	28	16	13.3	0.8
HK2220	26	-	-	22	28	20	-	0.8
HK2512	20	-	-	25	32	12	-	0.8
HK2516	27	BK2516	32	25	32	16	13.3	0.8
HK2520	33	BK2520	38	25	32	20	17.3	0.8
HK2526	44	BK2526	48	25	32	26	23.3	0.8
HK2538-ZW	64	BK2538-ZW	68	25	32	38	35.3	0.8
HK2816	29	-	-	28	35	16	-	0.8
HK2820	36	-	-	28	35	20	-	0.8
HK3012	23	BK31012	28	30	37	12	9.3	0.8
HK3016	31	BK3016	38	30	37	16	13.3	0.8
HK3020	39	BK3020	47	30	37	20	17.3	0.8
HK3022	42	-	-	30	37	22	-	0.8
HK3026	51	BK3026	58	30	37	26	23.3	0.8
HK3038-ZW	76	BK3038-ZW	84	30	37	38	35.3	0.8
HK3220	40.6	-	-	32	39	20	-	0.8
HK3224	49	-	-	32	39	24	-	0.8
HK3512	27	-	-	35	42	12	-	0.8
HK3516	36	-	-	35	42	16	-	0.8
HK3520	44	BK3520	53	35	42	20	17.3	0.8
HK4012	30	-	-	40	47	12	-	0.8
HK4016	39	-	-	40	47	16	-	0.8
HK4020	54	BK4020	62	40	47	20	17.3	0.8
HK4512	33	-	-	45	52	12	-	0.8
HK4516	46	-	-	45	52	16	-	0.8
HK4520	56	BK4520	72	45	52	20	17.3	0.8
HK5020	70	-	-	50	58	20	-	0.8
HK5025	90	-	-	50	58	25	-	0.8
HK5520	74	-	-	55	63	20	-	0.8
HK5528	105	-	-	55	63	28	-	0.8
HK6012	49	-	-	60	68	12	-	0.8
HK6020	81	-	-	60	68	20	-	0.8
HK6032	136	-	-	60	68	32	-	0.8



BK with F_w < 25 mm

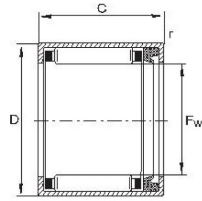


BK with F_w ≥ 25 mm

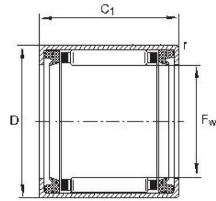
基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C _{ur}	极限转速 Limiting speed n _G	参考转速 Reference speed n _R	匹配内圈 Suitable inner rings		
dyn. C _r N	动态				stat. C _{0r} N	静态	LR Designation 型号
7500		10500	1360	11200	8400	-	-
9100		13400	1600	11200	8300	-	IR17X22X13
13400		22100	2800	11200	8000	-	IR17X22X16
16500		29000	3850	11200	7900	-	IR17X22X23
11000		15200	1990	9800	7300	LR20X25X12.5	-
15600		24000	3150	9800	7100	LR20X25X16.5	IR20X25X17
19900		33000	4200	9800	7000	LR20X25X20.5	IR20X25X20.5
25500		45000	6200	9800	6900	LR20X25X26.5	IR20X25X26.5
34000		66000	8400	9800	6900	LR20X25X38.5	IR20X25X38.5
16400		26500	3450	8900	6500	-	IR22X28X17
20900		36000	4650	8900	6400	LR22X28X20.5	IR22X28X20.5
12100		18200	2390	8400	6300	LR25X30X12.5	-
17200		29000	3750	8400	6100	LR25X30X16.5	IR25X30X17
22000		39500	5100	8400	6000	LR25X30X20.5	IR25X30X20.5
24800		46000	6100	8400	5900	-	-
28000		54000	7400	8400	5900	LR25X30X26.5	IR25X30X26.5
37500		79000	10100	8400	5900	LR25X30X38.5	IR25X30X38.5
23000		42500	5500	7900	5700	LR28X32X20	-
27500		54000	7300	7900	5600	-	-
13100		21300	2800	7300	5500	LR30X35X12.5	-
18700		33500	4400	7300	5400	LR30X35X16.5	IR30X35X17
23800		46000	5900	7300	5300	LR30X35X20.5	IR30X35X20.5
14000		24300	3200	6400	4950	LR35X40X12.5	-
20000		38500	5000	6400	4800	LR35X40X16.5	IR35X40X17
25500		52000	6800	6400	4750	LR35X40X20.5	IR35X40X20.5
14900		27500	3800	5800	4500	-	-
21300		43000	5700	5800	4400	LR40X45X16.5	IR40X45X17
27000		59000	7600	5800	4300	LR40X45X20.5	IR40X45X20.5
31000		63000	8200	5200	3950	LR45X50X20.5	-
38500		84000	11700	5200	3900	LR45X50X25.5	IR45X50X25.5
31500		67000	8700	4750	3650	LR50X55X20.5	-
44000		103000	14700	4750	3600	-	-
17400		32000	4250	4400	3650	-	-
33500		75000	9800	4400	3400	-	-
53000		135000	19700	4400	3300	-	-

冲压外圈滚针轴承 • DRAWN CUP NEEDLE BEARINGS

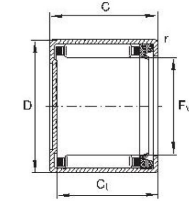
滚针轴承 NEEDLE BEARINGS



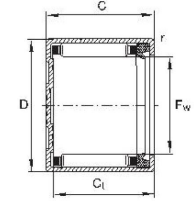
HK.-RS 单面密封



HK.-2RS 双面密封



BK.-RS with $F_w < 25$ mm



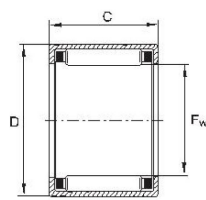
BK.-RS with $F_w \geq 25$ mm

开口型 Open ends		封口型 Closed end				尺寸(毫米) Dimensions (mm)			
Sealed on one side 单密封		Sealed on both side 双密封				F _w	D	C	C ₁
轴承型号 Bearomg Designation	Mass 质量 ≈ g (克)	轴承型号 Bearomg Designation	Mass 质量 ≈ g (克)						
-	-	HK0810-2RS	3.2	-	-	8	12	-	10
HK0810-RS	3	HK0812-2RS	3.3	-	-	8	12	10	12
HK0812-RS	3.1	-	-	-	-	8	12	12	-
-	-	HK1012-2RS	4.3	-	-	10	14	-	12
HK1012-RS	4.2	HK1014-2RS	4.6	BK1012-RS	4.3	10	14	12	14
-	-	HK1214-2RS	8	-	-	12	16	-	14
HK1214-RS	10	HK1216-2RS	11	-	-	12	18	14	16
HK1414-RS	12	HK1416-2RS	13	BK1414-RS	13	14	20	14	16
HK1514-RS	12	HK1516-2RS	15	-	-	15	21	14	16
HK1518-RS	16	HK1520-2RS	18	-	-	15	21	18	20
HK1614-RS	13	HK1616-2RS	14	BK1614-RS	15	16	22	14	16
-	-	HK1620-2RS	18	-	-	16	22	-	20
HK1814-RS	14	HK1816-2RS	15	-	-	18	24	14	16
-	-	HK2016-2RS	18	-	-	20	26	-	16
HK2018-RS	21	HK2020-2RS	23	BK2018-RS	24	20	26	18	20
HK2214-RS	16	HK2216-2RS	18	-	-	22	28	14	16
HK2218-RS	24	HK2220-2RS	26	-	-	22	28	18	20
-	-	HK2516-2RS	27	-	-	25	32	-	16
HK2518-RS	29	HK2520-2RS	31	BK2518-RS	34	25	32	18	20
-	-	HK2524-2RS	40	-	-	25	32	-	24
-	-	HK2530-2RS	47	-	-	25	32	-	30
HK2818-RS	31	HK2820-2RS	34	-	-	28	35	18	20
-	-	HK3016-2RS	31	-	-	30	37	-	16
HK3018-RS	37	HK3020-2RS	36	-	-	30	37	18	20
-	-	HK3024-2RS	44	-	-	30	37	-	24
-	-	HK3516-2RS	32	-	-	35	42	-	16
HK3518-RS	39	HK3520-2RS	41	-	-	35	42	18	20
-	-	HK4016-2RS	37	-	-	40	47	-	16
HK4018-RS	45	HK4020-2RS	48	-	-	40	47	18	20
HK4518-RS	50	HK4520-2RS	54	-	-	45	52	18	20
HK5022-RS	76	HK5024-2RS	81	-	-	50	58	22	24

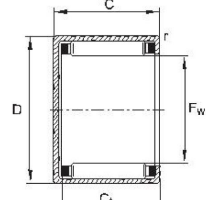
		基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C _{ur}	极限转速 Limiting speed n _G grease	匹配内圈 Suitable inner rings		
C _i min.	r min.	dyn. C _r N	stat. C _{0r} N	N	min ⁻¹	For HK.-RS and HK.-2RS		For BK.-RS,LR
						LR Designation 型号	IR Designation 型号	IR Designation 型号
-	0.4	2180	1930	265	28000	-	-	-
-	0.4	2750	2600	290	28000	-	-	-
-	0.4	3800	3950	500	28000	-	-	-
-	0.4	3200	3350	380	23300	-	-	-
-	0.4	4400	5100	650	23300	-	-	-
-	0.4	4950	6200	800	20000	-	-	-
-	0.8	6500	7300	860	18700	-	-	-
11.3	0.8	7100	8500	1010	16500	-	-	-
-	0.8	7800	9800	1190	15600	LR12X15X16.5	IR12X15X16.5	LR12X15X12.5
-	0.8	10500	14400	1780	15600	-	-	-
11.3	0.8	7600	9700	1160	14700	-	IR12X16X20	IR12X16X13
-	0.8	10900	15300	1900	14700	-	-	-
-	0.8	8100	10900	1300	13300	LR15X18X16.5	IR15X18X16.5	-
-	0.8	8600	12100	1450	12200	LR17X20X16.5	IR17X20X16.5	-
15.3	0.8	12700	20100	2500	12200	LR17X20X20.5	IR17X20X20.5	LR17X20X16.5
-	0.8	9100	13400	1600	11200	-	IR17X22X16	-
-	0.8	13400	22100	2800	11200	-	IR17X22X23	-
-	0.8	11000	15200	1990	9800	LR20X25X16.5	IR20X25X17	-
15.3	0.8	15600	24000	3150	9800	LR20X25X20.5	IR20X25X20.5	LR20X25X16.5
-	0.8	19900	33000	4200	9800	-	-	-
-	0.8	25500	45000	6200	9800	-	IR20X25X30	-
-	0.8	16400	26500	3450	8900	LR22X28X20.5	IR22X28X20.5	-
-	0.8	12100	18200	2390	8400	LR25X30X16.5	IR25X30X17	-
-	0.8	17200	29000	3750	8400	LR25X30X20.5	IR25X30X20.5	-
-	0.8	22000	39500	5100	8400	-	-	-
-	0.8	13100	21300	2800	7300	LR30X35X16.5	IR30X35X17	-
-	0.8	18700	33500	4400	7300	LR30X35X20.5	IR30X35X20.5	-
-	0.8	14000	24300	3200	6400	LR35X40X16.5	IR35X40X17	-
-	0.8	20000	38500	5000	6400	LR35X40X20.5	IR35X40X20.5	-
-	0.8	21300	43000	5700	5800	LR40X45X20.5	IR40X45X20.5	-
-	0.8	31000	63000	8200	5200	LR45X50X25.5	IR45X50X25.5	-

冲压外圈滚针轴承 • DRAWN CUP NEEDLE BEARINGS

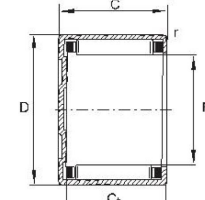
滚针轴承 NEEDLE BEARINGS



SCE, SCH



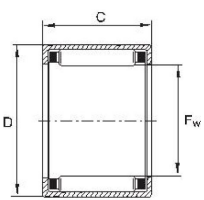
BCE, BCH



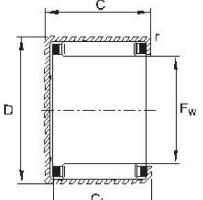
BCE, BCH

轴径 Shaft Diameter	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 Dyn.	静 Stat Cor	
mm				mm		N	rpm	
3.175	SCE24TN	BCE24TN	3.175	6.350	6.350	1070	740	31500
3.969	SCE2-1/2-4	-	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	9.525	2750	2350	21000
	SCE36	-	4.762	8.731	9.530	2800	2440	21000
6.350	SCE44	BCE44	6.350	11.112	6.350	1600	1200	44000
	SCE45	BCE45	6.350	11.112	7.938	2500	2090	44000
	SCE47	BCE47	6.350	11.112	11.112	4000	3850	44000
	SCE55	BCE55	7.938	12.700	7.938	2900	2600	35500
7.938	SCE57	BCE57	7.938	12.700	11.112	4700	4850	35500
	SCE59	BCE59	7.938	12.700	14.288	6000	6600	35500
	SCE57	BCH57	7.938	14.288	11.112	4750	4100	35500
	SCE65	BCE65	9.525	14.288	7.938	2900	2700	29500
9.525	SCE66	BCE66	9.525	14.288	9.525	3900	3950	29500
	SCE67	BCE67	9.525	14.288	11.112	4350	4600	29500
	SCE68	BCE68	9.525	14.288	12.700	5800	6600	29500
	SCE610	BCE610	9.525	15.875	15.875	7400	9000	29500
	SCE68	BCH68	9.525	15.875	12.700	7100	7100	29500
11.112	SCE78	BCE78	11.112	15.875	12.700	6400	7800	25000
	SCE710	-	11.112	17.462	15.875	8100	1070	25000
	SCE78	BCH78	11.112	17.462	12.700	7900	8200	25000
12.700	SCE85	BCE85	12.700	17.462	7.938	3650	3950	22000
	SCE86	BCE86	12.700	17.462	9.525	4600	5400	22000
	SCE87	BCE87	12.700	17.462	11.112	5900	7400	22000
	SCE88	BCE88	12.700	17.462	12.700	6900	9000	22000
	SCE810	BCE810	12.700	17.462	15.875	8800	12300	22000
	SCE812	BCE812	12.700	17.462	19.050	9900	14300	22000
	SCE87	BCH87	12.700	19.050	11.112	7340	7800	22000
	SCE88	BCH88	12.700	19.050	12.700	8500	9400	22000
	SCE810	BCH810	12.700	19.050	15.875	10500	12400	22000
	SCE812	BCH812	12.700	19.050	19.050	12600	15700	22000
14.288	SCE95	-	14.288	19.050	7.938	4000	4700	19600
	SCE96	BCE96	14.288	19.050	9.525	5200	6400	19600
	SCE97	-	14.288	19.050	11.130	6600	8800	19600
	SCE98	BCE98	14.288	19.050	12.700	7700	10800	19600
	SCE910	BCE910	14.288	19.050	15.875	9600	14000	19600
	SCE912	BCE912	14.288	19.050	19.050	10700	16400	19600
	SCE98	BCH98	14.288	20.638	12.700	9100	10600	19600
	SCE910	BCH910	14.288	20.638	15.875	12000	15000	19600
	SCE912	BCH912	14.288	20.638	19.050	14400	19000	19600
	SCE105	BCE105	15.875	20.638	7.938	4300	5200	17600
15.875	SCE107	BCE107	15.875	20.638	11.112	6800	9300	17600
	SCE107-1/2	BCE107-1/2	15.875	20.638	11.910	7100	10300	17600
	SCE108	BCE108	15.875	20.638	12.700	8100	12000	17600

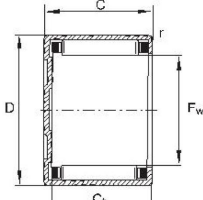
轴径 Shaft Diameter	轴承型号 Bearing Designation		外形尺寸 Boundary Dimensions			基本额定负荷 Basic Load Rating		极限转速 Limiting Speed
	穿孔型 Open end	封口型 Closed end	Fw	D	C	动 Cr Dyn.	静 Stat Cor	
15.875	SCE1010	BCE1010	15.875	20.638	15.875	10400	16300	17600
	SCE1012	BCE1012	15.875	20.638	19.050	12100	19700	17600
	SCH108	BCH108	15.875	22.225	12.700	10000	12200	17600
	SCH1010	BCH1010	15.875	22.225	15.875	12700	16700	17600
	SCH1012	BCH1012	15.875	22.225	19.050	14700	20000	17600
	SCH1016	BCH1016	15.875	22.225	25.400	19100	28000	17600
17.462	SCE116	-	17.462	22.225	9.525	5700	7900	16000
	SCE118	BCE118	17.462	22.225	12.700	8600	13200	16000
	SCE1110	BCE1110	17.462	22.225	15.875	10900	18000	16000
	SCE1112	BCE1112	17.462	22.225	19.050	12400	21000	16000
	SCH117	BCH117	17.462	23.812	11.112	8400	10000	16000
	SCH1110	BCH1110	17.462	23.812	15.875	12900	17100	16000
19.050	SCH1112	BCH1112	17.462	23.812	19.050	15900	22700	16000
	SCE126	BCE126	19.050	25.400	9.525	7100	8300	14700
	SCE128	BCE128	19.050	25.400	12.700	9800	12500	14700
	SCE1210	BCE1210	19.050	25.400	15.875	12800	17500	14700
	SCE1212	BCE1212	19.050	25.400	19.050	15300	22100	14700
	SCH1212	BCH1212	19.050	26.988	19.050	18500	23600	14700
20.638	SCE136	-	20.638	26.988	9.525	7100	8400	13600
	SCE138	BCE138	20.638	26.988	12.700	10800	14300	13600
	SCE1312	BCE1312	20.638	26.988	19.050	15900	23700	13600
	SCE1314	-	20.638	26.988	22.225	18500	29000	13600
	SCH1310	BCH1310	20.638	28.575	15.875	15900	20700	13600
	SCH1312	BCH1312	20.638	28.575	19.050	19200	28500	13600
22.225	SCE146	BCE146	22.225	28.575	9.525	8200	10700	12600
	SCE148	BCE148	22.225	28.575	12.700	11200	15800	12600
	SCE1412	BCE1412	22.225	28.575	19.050	16900	27000	12600
	SCE1416	BCE1416	22.225	28.575	25.400	22100	38000	12600
	SCH1412	BCH1412	22.225	30.162	19.050	19500	27000	12600
	SCH1416	BCH1416	22.225	30.162	25.400	25500	38500	12600
23.812	SCE1516	BCE1516	23.812	30.162	25.400	24100	43000	11800
	SCE166	BCE166	25.400	31.750	9.525	7800	10200	11000
	SCE168	BCE168	25.400	31.750	12.700	12600	19100	11000
	SCE1612	BCE1612	25.400	31.750	19.050	18500	31500	11000
	SCE1616	BCE1616	25.400	31.750	25.400	24800	45500	11000
	SCH1610	BCH1610	25.400	33.338	15.875	16700	22700	11000
25.400	SCH1612	BCH1612	25.400	33.338	19.050	20000	28500	11000
	SCH1616	BCH1616	25.400	33.338	25.400	28900	46300	11000
	SCE186	BCE186	25.400	34.925	9.525	8300	11500	9800
	SCE188	BCE188	25.400	34.925	12.700	12800	20200	9800
	SCE1812	BCE1812	28.575	34.925	19.050	18900	34000	9800
	SCE1816	BCE1816	28.575	34.925	25.400	26000	49500	9800
28.575	SCH1810	BCH1810	28.575	38.100	15.875	21800	29000	9800
	SCH1812	BCH1812	28.575	38.100	19.050	25000	35000	9800
	SCH1816	BCH1816	28.575	38.100	25.400	31500	46500	9800



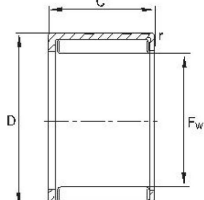
SCE, SCH



BCE, BCH



BCE, BCH



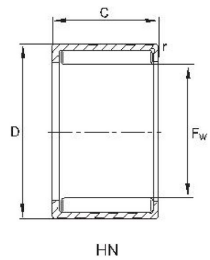
HN

满装滚针系列
Full complement needle roller set

轴径 Shaft Diameter	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 Dyn.	静 Stat. Cor	
mm			mm			N		rpm
28.575	SCH1818	BCH1818	28.575	38.100	28.580	40500	65000	9800
	SCH1820	BCH1820	28.575	38.100	31.750	40900	64500	9800
30.162	SCE1916	-	30.162	38.100	25.400	33000	57000	9300
	SCE208	BCE208	31.750	38.100	12.700	13500	22200	8800
	SCE2010	BCE2010	31.750	38.100	15.875	16500	29000	8800
	SCE2010	BCE2010	31.750	38.100	19.050	21100	39500	8800
	SCE2016	BCE2016	31.750	38.100	25.400	27000	55000	8800
31.750	SCE2020	BCE2020	31.750	38.100	31.750	33500	71000	8800
	SCH208	BCH208	31.750	41.275	12.700	16400	21000	8800
	SCH2012	BCH2012	31.750	41.275	19.050	27100	39500	8800
	SCH2016	BCH2016	31.750	41.275	25.400	36000	57500	8800
	SCH2020	BCH2020	31.750	41.275	31.750	43600	72900	8800
33.338	SCE2110	-	33.338	41.275	15.875	21100	34000	8400
	SCE228	BCE228	34.925	41.275	12.700	13600	23700	8000
	SCE2212	BCE2212	34.925	41.275	19.050	21500	42500	8000
	SCE2216	-	34.925	41.275	25.400	27500	59000	8000
34.925	SCE2220	BCE2220	34.925	41.275	31.750	34000	77000	8000
	SCH2212	BCH2212	34.925	44.450	19.050	29500	45000	8000
	SCH2216	BCH2216	34.925	44.450	25.400	39000	65000	8000
	SCE248	BCE248	38.100	47.625	12.700	18600	26000	7400
	SCE2410	BCE2410	38.100	47.625	15.875	24400	36500	7400
38.100	SCE2412	BCE2412	38.100	47.625	19.050	30500	48500	7400
	SCE2414	BCE2414	38.100	47.625	22.225	36000	60000	7400
	SCE2416	BCE2416	38.100	47.625	25.400	38500	66000	7400
	SCE2420	BCE2420	38.100	47.625	31.750	47500	86000	7400
41.275	SCE2610	BCE2610	41.275	50.800	15.875	25500	40000	6800
	SCE2620	BCE2620	41.275	50.800	31.750	51000	97000	6800
	SCE2812	BCE2812	44.450	53.975	19.050	31500	55000	6300
44.450	SCE2816	BCE2816	44.450	53.975	25.400	41500	76000	6300
	SCE2820	-	44.450	53.975	31.750	55000	108000	6300
	SCE2824	BCE2824	44.450	53.975	38.100	62000	130000	6300
	SCE328	-	50.800	60.325	12.700	21800	35000	5500
50.800	SCE3210	-	50.800	60.325	15.875	28500	49500	5500
	SCE3216	BCE3216	50.800	60.325	25.400	41500	80000	5500
	SCE3220	-	50.800	60.325	31.750	55000	116000	5500
53.975	SCE348	-	53.975	63.500	12.700	5200	39000	5200
	SCE3410	BCE3410	53.975	63.500	15.875	31000	57000	5200
	SCE3416	-	53.975	63.500	25.400	50000	103000	5200
57.150	SCE3612	BCE3612	57.150	66.675	19.050	37500	72000	4900
	SCE3616	BCE3616	57.150	66.675	25.400	50000	107000	4900
69.850	SCE4412	BCE4412	69.850	79.375	19.050	38500	80000	4000

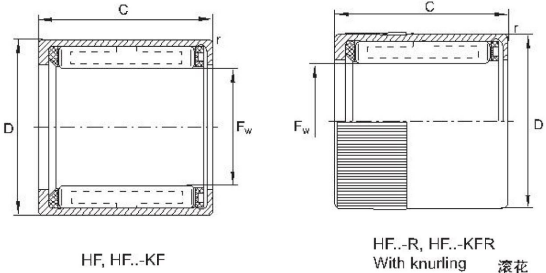
轴承型号 Bearing Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions (mm)				基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C _{ur} N	极限转速 Limiting speed n _G min ⁻¹	参考转速 Reference speed n _B min ⁻¹
		Fw	D	C	r min.	dyn. C _r N	静. C _{or} N			
HN1010	4.6	10	14	10	0.4	7200	11100	1540	10000	13300
HN1210	5.3	12	16	10	0.4	8000	13400	1850	8600	11300
HN1212	10.5	12	18	12	0.8	10200	15200	1950	8000	10800
HN1412	12	14	20	12	0.8	11000	17500	2280	7100	9500
HN1516	14	15	21	16	0.8	15400	27500	3600	6700	8700
HN1612	13	16	22	12	0.8	12000	20300	2600	6300	8400
HN1816	20	18	24	16	0.8	17000	32500	4250	5700	7500
HN2016	22	20	26	16	0.8	18100	36500	4750	5200	6800
HN2020	29.5	20	26	20	0.8	22400	48000	6600	5200	6700
HN2520	39.6	25	32	20	0.8	28000	59000	7900	4200	5500
HN2820	44	28	35	20	0.8	30000	67000	9000	3800	4950
HN3520	54	35	42	20	0.8	33500	83000	11100	3100	4100
HN4020	60.5	40	47	20	0.8	36000	95000	12700	2750	3650
HN4520	66	45	52	20	0.8	38500	108000	14500	2470	3300
HN4525	85	45	52	25	0.8	47000	139000	19500	2470	3250
HN5020	85.3	50	58	20	0.8	44500	119000	16200	2220	3000
HN5025	107	50	58	25	0.8	54000	152000	21700	2220	2950

英制满装滚针系列
Full complement needle roller set
Inch series



轴径 Shaft Diameter	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 Dyn.	静 Stat. Cor	
6.35	SN45	-	6.35	11.112	7.938	4350	4900	10000
7.938	SN55	-	7.938	12.700	7.938	5600	6200	8300
	SN56	-	7.938	12.700	9.525	6800	8000	8300
	SN57	-	7.938	12.700	11.113	6200	5800	8300
9.525	SN65	-	9.525	14.288	7.938	6200	7400	7100
	SN66	-	9.525	14.288	9.525	5800	5300	7100
	SN68	-	9.525	14.288	12.700	7700	7700	7100
11.112	SN76	-	11.112	15.875	9.525	7600	11000	6300
	SN78	-	11.112	15.875	12.700	9900	16000	6300
	SN88	-	12.700	17.462	12.700	11800	18400	5600
12.700	SN810	-	12.700	17.462	15.875	12900	23600	5600
	SN812	-	12.700	17.462	19.050	15900	29500	5600
	SN105	-	15.875	20.638	7.938	6400	6700	4550
17.462	SN116	-	17.462	22.225	9.525	9300	17100	4200
19.050	SN128	-	19.050	25.400	12.700	15000	25000	3750
22.225	SN148	-	22.225	28.575	12.700	17400	31500	3250
28.575	SN1816	-	28.575	34.925	25.400	36500	90000	2600

单向滚针离合器
One way needle clutch



轴承型号 Bearing Designation		质量 (克) Mass	尺寸(毫米) Dimensions (mm)				允许扭矩 Permissible torque M _{d por}	极限转速 Limitingspeed		冲压滚针轴承型号 Drawn cup needle roller bearings for radial beaing arrangement
塑料簧片 Plastic springs	金属簧片 Steel springs	≐ g	Fw	D	C	r	Nm	n _{GW}	n _{GA}	Designation
HF0306-KF	-	1	3	6,5	6	0.3	0.18	45000	8000	HK0306-TV
HF0306-KFR	-	1	3	6,5	6	0.3	0.06	45000	8000	HK0306-TV
HF0406-KF	-	1	4	8	6	0.3	0.34	34000	8000	HK0408
HF0406-KFR	-	1	4	8	6	0.3	0.1	34000	8000	HK0408
HF0612-KF	HF0612	3	6	10	12	0.3	1.76	23000	13000	HK0608
HF0612-KFR	HF0612-R	3	6	10	12	0.3	0.6	23 000	13000	HK0608
HF0812-KF	HF0812	3.5	8	12	12	0.3	3.15	17000	12000	HK0808
HF0812-KFR	HF0812-R	3.5	8	12	12	0.3	1	17000	12000	HK0808
HF1012-KF	HF1012	4	10	14	12	0.3	5.3	14000	11000	HK1010
-	HF1216	11	12	18	16	0.3	12.2	11000	8000	HK1212
-	HF1416	13	14	20	16	0.3	17.3	9500	8000	HK1412
-	HF1616	14	16	22	16	0.3	20.5	8500	7500	HK1612
-	HF1816	16	18	24	16	0.3	24.1	7500	7800	HK1812
-	HF2016	17	20	26	16	0.3	28.5	7000	6500	HK2010
-	HF2520	30	25	32	20	0.3	66	5500	5500	HK2512
-	HF3020	36	30	37	20	0.3	90	4500	4500	HK3012
-	HF3520	40	35	42	20	0.3	121	3900	3900	HK3512

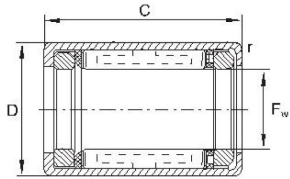
n_{GW} = 适用于轴转动时的极限转速

n_{GA} = 适用于外圈转动时的极限转速

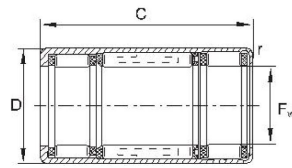
冲压外圈滚针轴承 • DRAWN CUP NEEDLE BEARINGS

滚针轴承 NEEDLE BEARINGS

单向滚针离合器
One way needle clutch

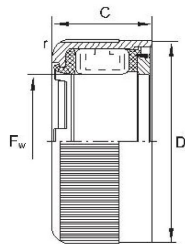


两端带滑动轴承
HFL, HFL...KF, with plain bearing
arr. (HFL0308-KF, HFL0408-KF,
HFL0615-KF, HFL0822-KF)

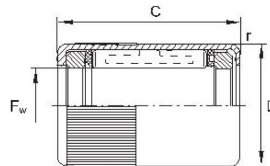


两端带滚动轴承
HFL, HFL...KF, with rolling bearing
arr. (Fw 8 mm and C 22mm)
and HFL0822-KFR, HFL0822-R

轴承型号 Bearing Designation		质量 (克) Mass	尺寸(毫米) Dimensions (mm)				允许扭矩 Permissible torque M _{d per}	极限转速 Limiting speeds	允许径向载荷 Permissible radial load F _{r max}	极限载荷 Limiting load (F _r n) _{max}	基本额定载荷 Basic load ratings dyn. stat. C _r C _{0r}	极限疲劳载荷 Fatigue limit load C _{ur}
塑料簧片 Plastic springs	金属簧片 Steel springs	≈ g	Fw	D	C	r	Nm	n _{GW} min ⁻¹	n _{GA} min ⁻¹	N	N/min	N
HFL0308-KF	-	1.4	3	6.5	8	0.3	0.18	45000	87000	60	16000	-
HFL0308-KFR	-	1.4	3	6.5	8	0.3	0.06	45000	8000	60	16000	-
HFL0408-KF	-	1.6	4	8	8	0.3	0.34	34000	8000	80	16000	-
HFL0408-KFR	-	1.6	4	8	8	0.3	0.1	34000	8000	80	16000	-
HFL0606-KFR	-	1	6	10	6	0.3	0.5	23000	13000	40	4200	-
HFL0615-KF	HFL0615	4	6	10	15	0.3	1.76	23000	13000	110	18000	-
HFL0615-KFR	HFL0615-R	4	6	10	15	0.3	0.6	23000	13000	110	18000	-
HFL0806-KFR	-	2	8	12	6	0.3	0.7	17000	12000	54	4200	-
HFL0822-KF	HFL0822	7	8	12	22	0.3	3.15	17000	12000	-	3650	3950
HFL0822-KFR	HFL0822-R	7	8	12	22	0.3	1	17000	12000	-	3650	3950
-	HFL1022	8	10	14	22	0.3	5.3	14000	11000	-	3950	4500
-	HFL1226	18	12	18	26	0.3	12.2	11000	8000	-	6300	6700
-	HFL1426	20	14	20	26	0.3	17.3	9500	8000	-	6800	7800
-	HFL1626	22	16	22	26	0.3	20.5	8500	7500	-	7400	9000
-	HFL1826	25	18	24	26	0.3	24.1	7500	7500	-	8000	10200
-	HFL2026	27	20	26	26	0.3	28.5	7000	6500	-	8500	11400
-	HFL2530	44	25	32	30	0.3	66	5500	5500	-	10600	14000
-	HFL3030	51	30	37	30	0.3	90	4500	4500	-	11600	16900
-	HFL3530	58	35	42	30	0.3	121	3900	3900	-	12200	18800

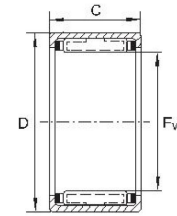


HFL0606-KFR³⁾, HFL0806-KFR³⁾

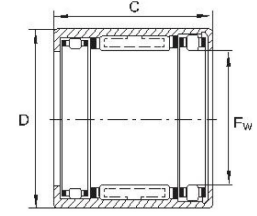


HFL0308-KFR, HFL0408-KFR,
HFL0615-R, HFL0615-KFR

单向滚针离合器
One way needle clutch



RC FC



RCB FCB

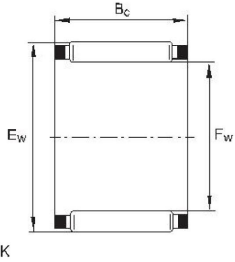
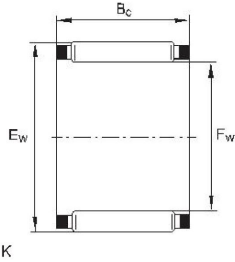
型号	重量	主要尺寸			
		d r	D	B	传动力矩
FC4K	1	4	8	6	0.34
FC6	3	6	10	12	1.76
FC6K	3	6	10	12	1.76
FC8	4	8	14	12	5.3
FC8K	3.5	8	12	12	5
FC10	4.8	10	16	12	6
FCL10K	4	10	14	12	5.3
FC12	11	12	18	16	12.2
FC14K	13	14	20	16	17.3
FC16	14	16	22	16	20.5
FC20	17	20	26	16	28.5
FC25	30	25	32	20	66
FC30	36	30	37	20	90
FC35	40	35	42	20	121

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

型号	重量	主要尺寸			
		d r	D	B	传动力矩
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-FC	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-FC	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-FC	16.2	25.4	33.338	15.88	45

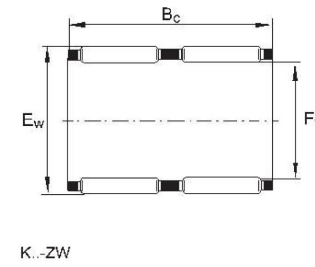
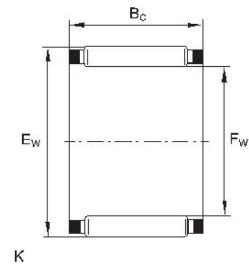
单列或双列
Single row and double row



轴承型号 Bearing Designation	质量 (克) Mass	尺寸(毫米) Dimensions (mm)			基本额定负荷 Basic load ratings			极限疲劳 载荷 Fatigue limit load C _{10L} N	极限转速 Limiting speed n _G min ⁻¹	参考转速 Reference speed n _B min ⁻¹
		F _W	E _W	B _C	dyn.		stat. C _{0R} 静态 N			
	C _r N				动态					
K3X5X7-TV	0.3	3	5	7	1540		1290	152	50000	78000
K3X5X9-TV	0.4	3	5	9	1710		1480	188	50000	80000
K3X6X7-TV	0.4	3	6	7	1430		970	109	47000	75000
K4X7X7-TV	0.5	4	7	7	1740		1270	145	42500	59000
K4X7X10-TV	0.7	4	7	10	2330		1840	236	42500	59000
K5X8X8-TV	0.7	5	8	8	2350		1920	237	39000	48000
K5X8X10-TV	0.9	5	8	10	3000		2650	350	39000	47000
K6X9X8-TV	0.8	6	9	8	2600		2280	285	36500	41000
K6X9X10-TV	1.1	6	9	10	3350		3150	420	36500	40000
K6X10X13-TV	1.9	6	10	13	3800		3100	395	35500	40000
K7X9X7-TV	0.6	7	9	7	1730		1770	215	35500	40000
K7X10X8-TV	0.9	7	10	8	2850		2650	330	34500	36000
K7X10X10-TV	1	7	10	10	3650		3600	485	34500	35000
K8X11X8-TV	1	8	11	8	3100		3000	375	32500	32000
K8X11X10-TV	1.2	8	11	10	3950		4100	560	32500	31000
K8X11X13-TV	1.7	8	11	13	5100		5800	790	32500	30500
K8X12X10-TV	2	8	12	10	5000		4700	560	31500	29000
K9X12X10-TV	1.5	9	12	10	4500		5000	680	31000	27500
K9X12X13-TV	2.1	9	12	13	5900		7100	970	31000	27000
K10X13X10-TV	1.6	10	13	10	4750		5500	750	29500	24900
K10X13X13-TV	2.3	10	13	13	6200		7800	1060	29500	24400
K10X13X16-TV	2.9	10	13	16	7100		9300	1310	29500	24600
K10X14X10-TV	2.5	10	14	10	5800		6000	720	29000	23500
K10X14X13-TV	4.6	10	14	13	7500		8400	1020	29000	23000
K10X16X12-TV	5.5	10	16	12	8100		7200	1000	27500	21800
K12X15X10-TV	2.9	12	15	10	4900		6100	830	27000	21500
K12X15X13-TV	2.3	12	15	13	6400		8500	1170	27000	21100
K12X16X13-TV	5.5	12	16	13	8000		9400	1150	26500	19900
K12X17X13-TV	4.9	12	17	13	9600		10400	1330	26500	18800
K12X18X12-TV	6	12	18	12	10000		9900	1400	26000	18100

轴承型号 Bearing Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions (mm)			基本额定负荷 Basic load ratings			极限疲劳 载荷 Fatigue limit load C _{ur} N	极限转速 Limiting speed n _G min ⁻¹	参考转速 Reference speed n _B min ⁻¹
		F _W	E _W	B _C	dyn.		stat.			
					C _r N	动态				
K14X18X10	4	14	18	10	7100		8500	1060	25000	17300
K14X18X13	6.5	14	18	13	8200		10100	1320	25000	17700
K14X18X15-TV	5	14	18	15	9500		12300	1540	25000	17400
K14X18X17	8	14	18	17	10800		14400	1890	25000	17300
K14X20X12	8.5	14	20	12	10300		10600	1490	24300	16200
K15X18X17-TV	4.6	15	18	17	8000		12100	1730	24600	17700
K15X19X10	5	15	19	10	7500		9200	1140	24300	16200
K15X19X13	7	15	19	13	8500		10900	1420	24300	16600
K15X19X17	9.5	15	19	17	11300		15600	2040	24300	16200
K15X20X13	7	15	20	13	9900		11500	1430	23900	15900
K15X21X15	11	15	21	15	14300		16400	2210	23600	14700
K15X21X21	17	15	21	21	19400		24300	3300	23600	14400
K16X20X10	5.5	16	20	10	7800		9900	1230	23600	15200
K16X20X13	7.5	16	20	13	8900		11800	1530	23600	15600
K16X20X17	10	16	20	17	11700		16800	2190	23600	15200
K16X22X12	10	16	22	12	11500		12500	1780	22900	14300
K16X22X16	12	16	22	16	14800		17500	2390	22900	14100
K16X22X20	17	16	22	20	18300		22800	3050	22900	14000
K16X24X20	22	16	24	20	21400		23500	2950	22400	13200
K17X21X10	5.5	17	21	10	8100		10600	1310	22900	14400
K17X21X13	6.5	17	21	13	10400		14600	1810	22900	14100
K17X21X17	9.5	17	21	17	12200		17900	2350	22900	14400
K18X22X10	6	18	22	10	8400		11300	1400	22400	13600
K18X22X13	8	18	22	13	9200		12700	1650	22400	14200
K18X22X17	11	18	22	17	12100		18000	2360	22400	13900
K18X24X12	12	18	24	12	12800		14900	2120	21800	12700
K18X24X13	13	18	24	13	13100		15300	1990	21800	12900
K18X24X20	18	18	24	20	20200		27000	3550	21800	12400
K18X25X22	23	18	25	22	23100		29000	3750	21600	12200
K19X23X13	8	19	23	13	9500		13500	1760	21800	13500
K19X23X17	11	19	23	17	12500		19200	2500	21800	13200

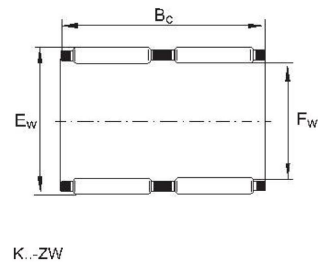
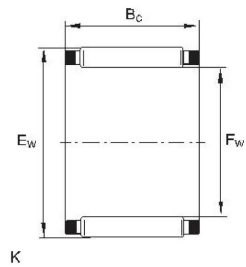
单列或双列
Single row and double row



轴承型号 Bearing Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions (mm)			基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C _{ur} N	极限转速 Limiting speed n _G min ⁻¹	参考转速 Reference speed n _B min ⁻¹
		F _W	E _W	B _C	dyn.	stat.			
					C _r N 动 态	C _{or} N 静 态			
K20X24X10	6.5	20	24	10	8900	12600	1570	21300	12400
K20X24X13	9	20	24	13	9800	14300	1860	21300	12800
K20X24X17	12	20	24	17	12900	20400	2650	21300	12500
K20X16X12	11	20	26	12	13400	16200	2310	20900	11700
K20X26X13	12	20	26	13	14400	17900	2330	20900	11600
K20X26X17	16	20	26	17	19200	26000	3300	20900	11200
K20X26X20	19	20	26	20	21100	29000	3850	20900	11400
K20X28X16	20	20	28	16	19800	22400	3000	20400	11100
K20X28X20	27	20	28	20	23900	28500	3600	20400	11100
K20X28X25	32	20	28	25	30500	39000	5300	20400	10800
K20X30X30	49	20	30	30	35500	41500	5500	19600	10800
K21X25X13	9	21	25	13	10100	15100	1970	20900	12300
K22X26X10	7.5	22	26	10	9100	13400	1670	20400	11500
K22X26X13	9.5	22	26	13	10400	15900	2080	20400	11800
K22X26X17	12	22	26	17	13700	22700	3000	20400	11500
K22X28X17	18	22	28	17	19400	27000	3450	19600	10500
K22X29X16	16	22	29	16	20000	25500	3350	19200	10300
K22X30X15-TV	18	22	30	15	20100	23400	3050	18800	10200
K22X32X24	43	22	32	24	34000	40000	4900	18100	9700
K23X35X16-TV	29	23	35	16	24500	23900	2950	16900	9500
K24X28X10	8.5	24	28	10	9600	14800	1840	18800	10600
K24X28X13	10	24	28	13	11000	17600	2290	18800	10800
K24X28X17	13	24	28	17	14500	25000	3300	18800	10600
K24X30X17	19	24	30	17	19500	27500	3500	18100	10000
K24X30X31-ZW	32	24	30	31	27500	43500	5800	18100	10400

轴承型号 Bearing Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions (mm)			基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C _{ur} N	极限转速 Limiting speed n _G min ⁻¹	参考转速 Reference speed n _B min ⁻¹	
		F _W	E _W	B _C	dyn.					stat.
					C _r N	动态				C _{or} N
K25X29X10	8.5	25	29	10	9900	15400	1930	18100	10200	
K25X29X13	11	25	29	13	11300	18400	2400	18100	10400	
K25X29X17	14	25	29	17	14900	26000	3450	18100	10200	
K25X30X17	16	25	30	17	18700	30000	3850	17800	9600	
K25X30X20	18	25	30	20	21700	36500	4850	17800	9500	
K25X30X26-ZW	19	25	30	26	21400	35500	4500	17800	10400	
K25X31X17	19	25	31	17	19600	28500	3600	17500	9600	
K25X31X21	20	25	31	21	24700	38000	5100	17500	9400	
K25X32X16	21	25	32	16	20800	27500	3750	17200	9400	
K25X33X20	33	25	33	20	28500	38000	4850	16900	9000	
K25X33X24	39	25	33	24	34000	47000	6300	16900	8900	
K25X35X30	65	25	35	30	47000	62000	8300	16300	8500	
K26X30X13	11	26	30	13	11600	19200	2500	17500	10100	
K26X30X17	15	26	30	17	15200	27500	3600	17500	9800	
K26X30X22-ZW	12	26	30	22	15700	28500	3550	17500	10400	
K28X33X13	13	28	33	13	15300	24200	3100	16100	9800	
K28X33X17	17	28	33	17	19700	33500	4250	16100	8700	
K28X34X17	24	28	34	17	21800	33500	4300	15800	8600	
K28X35X16	24	28	35	16	21500	29500	3950	15600	8700	
K28X35X18	27	28	35	18	24000	34000	4700	15600	8600	
K28X40X25	70	28	40	25	45500	55000	6600	14400	7700	
K30X34X13	14	30	34	13	12300	21700	2850	15300	8900	
K30X35X13	14	30	35	13	15600	25500	3250	15100	8400	
K30X35X17	19	30	35	17	19600	34000	4300	15100	8300	
K30X35X27	30	30	35	27	30500	59000	8500	15100	8100	
K30X37X16	27	30	37	16	23100	33500	4450	14600	8000	
K30X37X18	30	30	37	18	26000	38500	5300	14600	8000	
K30X40X18	48	30	40	18	32000	40000	5000	14000	7600	
K30X40X30	73	30	40	30	49000	69000	9200	14000	7500	

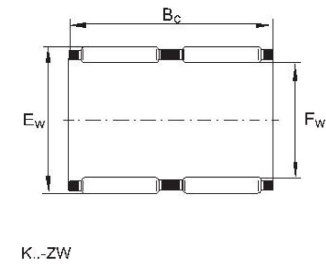
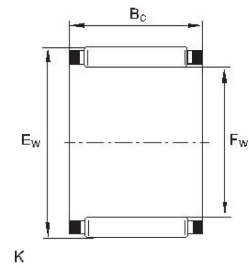
单列或双列
Single row and double row



轴承型号 Bearing Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions (mm)			基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C _u N	极限转速 Limiting speed n _G min ⁻¹	参考转速 Reference speed n _B min ⁻¹
		F _W	E _W	B _C	dyn.				
					C _r N	动态			
K32X37X13	18	32	37	13	15500	25500	3300	14200	8100
K32X37X17	19	32	37	17	19900	35500	4500	14200	7900
K32X37X27	30	32	37	27	30000	60000	8500	14200	7800
K32X38X20	30	32	38	20	26500	45000	6000	14000	7700
K32X39X16	37	32	39	16	23800	35500	4700	13800	7600
K32X39X18	31	32	39	18	26500	41000	5600	13800	7500
K32X40X25	49	32	40	25	37500	58000	7900	13600	7400
K32X40X42-ZW-TV	77	32	40	42	50000	84000	10500	13600	7800
K32X46X32	119	32	46	32	66000	84000	11100	12600	6700
K35X40X13	19	35	40	13	16200	28000	3600	13100	7500
K35X40X17	21	35	40	17	20800	38500	4900	13100	7400
K35X40X25	31	35	40	25	29500	60000	8400	13100	7200
K35X40X27-TV	39	35	40	27	25000	48500	6700	13100	7900
K35X42X16	34	35	42	16	24400	37500	5000	12700	7100
K35X42X18	34	35	42	18	27500	43000	6000	12700	7100
K35X42X20	37	35	42	20	30000	49000	6200	12700	7000
K35X42X30	67	35	42	30	39000	68000	9400	12700	7200
K35X45X20	56	35	45	20	37000	50000	6500	12300	6800
K35X45X30	80	35	45	30	53000	79000	10500	12300	6700
K37X42X17	22	37	42	17	22400	43000	5500	12400	6900
K38X43X17	29	38	43	17	20500	38500	4850	12100	7000
K38X43X27	43	38	43	27	31500	68000	9600	12100	6800
K38X46X20	47	38	46	20	35500	57000	7200	11700	6300
K38X46X32	76	38	46	32	55000	99000	14200	11700	6200
K39X44X26-ZW	45	39	44	26	27500	56000	7100	11800	7000

轴承型号 Bearing Designation	质量 (克)	尺寸(毫米) Dimensions (mm)			基本额定负荷 Basic load ratings		极限疲劳 载荷	极限转速	参考转速
	Mass ≈ g	F _W	E _W	B _C			Fatigue limit load C _{ur} N	speed n _G min ⁻¹	Reference speed n _B min ⁻¹
					dyn.	stat.			
					C _r N	动态 C _{or} N			
K40X45X13	22	40	45	13	17600	32500	4200	11500	6600
K40X45X17	31	40	45	17	21400	41500	5200	11500	6700
K40X45X27	46	40	45	27	33000	73000	10300	11500	6500
K40X47X18	39	40	47	18	29500	50000	6900	11300	6300
K40X47X20	42	40	47	20	32500	57000	7200	11300	6200
K40X48X20	49	40	48	20	36000	59000	7500	11100	6100
K42X47X13	18	42	47	13	17800	33500	4350	11000	6400
K42X47X17	32	42	47	17	21700	43000	5400	11000	6400
K42X47X30-ZW	54	42	47	30	33500	76000	10000	11000	6400
K42X50X20	53	42	50	20	35000	57000	7300	10700	6000
K43X48X17	30	43	48	17	21600	43000	5400	10800	6300
K43X48X27	50	43	48	27	33500	75000	10700	10800	6200
K45X50X17	34	45	50	17	22500	46000	5800	10300	6100
K45X50X27	51	45	50	27	34500	80000	11400	10300	5900
K45X52X18	42	45	52	18	31500	57000	7900	10100	5700
K45X53X20	55	45	53	20	39000	67000	8700	10000	5500
K45X53X21	60	45	53	21	38500	67000	8600	10000	5600
K45X53X28	81	45	53	28	52000	98000	13700	10000	5400
K45X59X18-TV	72	45	59	18	44000	54000	6900	9400	5400
K45X59X32	148	45	59	32	73000	103000	13800	9400	5300
K47X52X17	35	47	52	17	23300	49000	6100	9900	5800
K47X52X27	51	47	52	27	35000	83000	11800	9900	5700

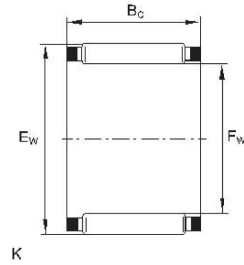
单列或双列
Single row and double row



轴承型号 Bearing Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions (mm)			基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C _{ur} N	极限转速 Limiting speed n _e min ⁻¹	参考转速 Reference speed n _e min ⁻¹	
		F _w	E _w	B _c	dyn.					stat.
					C _r N	动态				C _{or} N
K50X55X13.5	30	50	55	13.5	18200	36500	4600	9300	5700	
K50X55X17	35	50	55	17	22100	47000	7300	9300	5700	
K50X55X20	43	50	55	20	26500	60000	7800	9300	5500	
K50X55X30	65	50	55	30	39000	97000	13900	9300	5400	
K50X57X18	47	50	57	18	33500	63000	8800	9200	5200	
K50X58X20	75	50	58	20	35500	62000	8800	9100	5400	
K50X58X25	90	50	58	25	44000	81000	10800	9100	5300	
K52X57X12	24	52	57	12	18000	36500	4600	9000	5400	
K55X60X20	40	55	60	20	28500	66000	8600	8500	5100	
K55X60X27	60	55	60	27	38000	97000	13600	8500	4950	
K55X60X30	71	55	60	30	41000	108000	15400	8500	4950	
K55X62X18	52	55	62	18	35500	70000	9800	8400	4750	
K55X63X20	57	55	63	20	40000	74000	9500	8300	4800	
K55X63X25	80	55	63	25	51000	101000	13700	8300	4700	
K55X63X32	102	55	63	32	62000	130000	18600	8300	4650	
K58X65X18	52	58	65	18	35000	70000	9800	8000	4650	
K58X65X36-ZW	127	58	65	36	49000	107000	14600	8000	5100	
K60X65X20	52	60	65	20	29500	72000	9300	7800	4750	
K60X65X30	77	60	65	30	42500	116000	16600	7800	4650	
K60X66X33-ZW	104	60	66	33	46000	112000	15100	7800	4800	
K60X66X40-ZW	116	60	66	40	58000	151000	19900	7800	4650	
K60X68X20	71	60	68	20	43500	85000	11000	7700	4400	
K60X68X23	94	60	68	23	49500	101000	13500	7700	4350	
K60X68X25	89	60	68	25	53000	111000	15200	7700	4350	
K60X68X30-ZW	129	60	68	30	44500	88000	11300	7700	4950	
K60X75X42	140	60	75	42	118000	199000	27000	7300	4050	
K62X70X40-ZW	174	62	70	40	66000	146000	20500	7400	4550	
K64X70X16	53	64	70	16	28000	60000	8100	7300	4500	

轴承型号 Bearing Designation	质量 (克) Mass	尺寸(毫米) Dimensions (mm)			基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C _{ur} N	极限转速 Limiting speed n _G min ⁻¹	参考转速 Reference speed n _B min ⁻¹
		F _W	E _W	B _C	dyn.				
	C _r N				动态	C _{or} N	静态		
K65X70X20	56	65	70	20	30500	77000	10000	7300	4450
K65X70X30	83	65	70	30	44000	124000	17800	7300	4350
K65X73X23	108	65	73	23	46000	94000	12200	7100	4300
K65X73X30	141	65	73	30	57000	123000	17100	7100	4300
K68X74X20	71	68	74	20	35500	84000	11000	6900	4200
K68X74X30	100	68	74	30	46500	118000	16900	6900	4300
K68X74X35-ZW	120	68	74	35	48500	125000	17200	6900	4450
K70X76X20	71	70	76	20	36000	86000	11300	6700	4100
K70X76X30	110	70	76	30	52000	139000	20100	6700	4000
K70X78X30	148	70	78	30	60000	135000	18800	6600	4000
K72X80X20	98	72	80	20	41500	85000	11900	6400	4050
K73X79X20	75	73	79	20	37000	90000	11800	6400	4000
K75X81X20	79	75	81	20	37500	94000	12300	6300	3850
K75X81X30	114	75	81	30	52000	143000	20400	6300	3850
K75X83X23	124	75	83	23	50000	109000	14200	6200	3800
K75X83X30	147	75	83	30	62000	143000	20000	6200	3800
K75X83X35-ZW	182	75	83	35	63000	147000	19900	6200	3950
K75X83X40-ZW	211	75	83	40	73000	177000	25000	6200	3900
K80X86X20	60	80	86	20	38500	98000	12900	5900	3700
K80X88X30	138	80	88	30	71000	176000	25000	5800	3400
K80X88X40-ZW	227	80	88	40	78000	192000	27000	5800	3700
K80X88X46-ZW	260	80	88	46	88000	231000	30000	5800	3650
K85X92X20	102	85	92	20	44500	108000	15100	5500	3450
K90X97X20	109	90	97	20	45000	113000	15800	5200	3300
K90X98X27	150	90	98	27	61000	150000	20300	5200	3300
K90X98X30	172	90	98	30	68000	172000	24000	5200	3300
K95X103X30	165	95	103	30	69000	180000	25000	4950	3150
K95X103X40-ZW	266	95	103	40	83000	228000	32500	4950	3200

单列或双列
Single row and double row



轴承型号 Bearing Designation	质量 (克) Mass ≈ g	尺寸(毫米) Dimensions (mm)			基本额定负荷 Basic load ratings		极限疲劳 载荷 Fatigue limit load C _{ur} N	极限转速 Limiting speed n _G min ⁻¹	参考转速 Reference speed n _R min ⁻¹
		F _w	E _w	B _C	dyn.				
					C _r N	动态 静态 C _{or} N			
K100X107X21	120	100	107	21	48000	127000	17600	4750	3100
K100X108X27	185	100	108	27	57000	143000	18900	4700	3200
K100X108X30	180	100	108	30	71000	188000	26000	4700	3050
K105X112X21	129	105	112	21	47500	127000	17400	4500	3000
K110X117X24	172	110	117	24	56000	158000	19800	4300	2850
K110X118X30	217	110	118	30	78000	219000	29500	4300	2750
K115X123X27	200	115	123	27	63000	170000	21600	4100	2850
K120X127X24	165	120	127	24	59000	174000	21400	3950	2650
K125X133X35	275	125	133	35	86000	260000	34500	3800	2600
K130X137X24	170	130	137	24	61000	186000	22300	3650	2500
K135X143X35	300	135	143	35	91000	290000	37500	3550	2390
K145X153X26	262	145	153	26	74000	225000	27000	3300	2280
K150X160X46	570	150	160	46	147000	470000	60000	3150	2100
K155X163X26	285	155	163	26	75000	236000	28000	3100	2180
K160X170X46	550	160	170	46	152000	510000	63000	2950	1970
K165X173X26	320	165	173	26	81000	265000	30500	2900	2030
K175X183X32	400	175	183	32	99000	350000	41500	2750	1930
K185X195X37	607	185	195	37	128000	425000	48500	2600	1840
K195X205X37	620	195	205	37	133000	450000	51000	2450	1760
K210X220X42	740	210	220	42	154000	560000	63000	2280	1590
K220X230X42	790	220	230	42	158000	590000	66000	2180	1510
K240X250X42	850	240	250	42	164000	630000	69000	2000	1390
K265X280X50	1810	265	280	50	255000	860000	91000	1800	1160



推力滚针轴承 AXK, AXW 系列

推力圆柱滚子轴承 811, 812, 893, 874, 894 系列

LWB-推力滚针和保持架组件或推力圆柱滚子轴承是在一套滚动垫圈间配置带保持架的滚针(滚子), 保持架可靠地引导并夹持大量滚动体, 同一组件中的滚动体仅有极其微小的差异。LWB-推力滚针轴承或推力圆柱轴承仅能支承一个方向轴向负荷的轴承, 可作为刚性良好且轴向占有空间最小的轴承配置。若相邻部件的表机可作为滚针和保持架推力组件的滚道, 轴承配置可极其紧凑。如这种方案不能实施, 在有足够支承空间的条件下, 采用AS系列垫圈组合也能获得很小的轴向断面高度。与较厚的LS、GS、WS、ZS系列垫圈的组合, 应用在所需不同的场合同样十分有效。适用的AS、LS、GA、WS、ZS系列垫圈, 订货时须单独订购。

Thrust needle roller bearings AX, AXW series

Thrust-cylindrical roller bearings 811, 812, 893, 874, 894 series

LWB thrust needle and retainer assembly are composed of a set of tray ring gaskets combined with retainer with roll bearings (needles). The stand leads and holds many rolling elements (only very tiny differences among the elements in the same group). The thrust needle bearings or Thrust-cylindrical roller bearings can support the bearings with the axial directional load and so they can be used as the bearings with good rigidity and minimum axial occupied spaces. If the surface of the adjacent parts can be used as a tray for the rolling needles and the holding stand assembly should be recommended when the support space is big enough so that a small axial cross sectional altitude can be achieved. Same effectiveness can be ensured in different cases when combined with the relatively thicker ring gaskets of LS, GS, WS, ZS series. The applicable gaskets series of AS, LS, GS, WS, ZS are optional and will be ordered separately by the buyers.