

■ 冲压外圈滚针离合器/离合器和轴承组件 Drawn cup roller clutches/clutch bearing assemblies

冲压外圈滚针离合器HF系列

Drawn cup needle clutch HF series

冲压外圈滚针离合器HF，由薄壁冲压外圈和塑料保持架组合。由合金钢制作的冲压外圈内径面上具有夹紧滚针的斜面。经特殊热处理后耐磨性及承载能力得到极大的提高。在塑料保持架上装有金属弹簧，塑料保持架保持滚针运动正确，滚针则起夹紧元件作用。

通过冲压外圈滚针离合器两侧安装相同直径有冲压外圈滚针轴承HK、SCE系列可获得离好的支承刚性及精确的回转性能。



冲压外圈滚针离合器HF
Drawn cup needle clutch HF

The drawn cup needle clutch HF series is composed of thin wall punched outer ring and plastic retainer. There is a clamping slope which holds the needles tightly on the inradius surface of the alloy steel punched out ring. The abrasion resistance and load capacity is greatly increased after special heat treatment. Metal springs are fitted on the plastic retainer which keeps the correct movement of the needles while the needles are used as clamping unit at the same time.

Through fitting NF drawn cup needle roller bearing HK, SCE series of the same diameter on the two sides of drawn cup needle clutch, better supporting rigidity and rotation characteristics are achieved.

冲压外圈滚针离合器和轴承组件HFL系列

Drawn cup needle clutch and bearing assembly HFL series

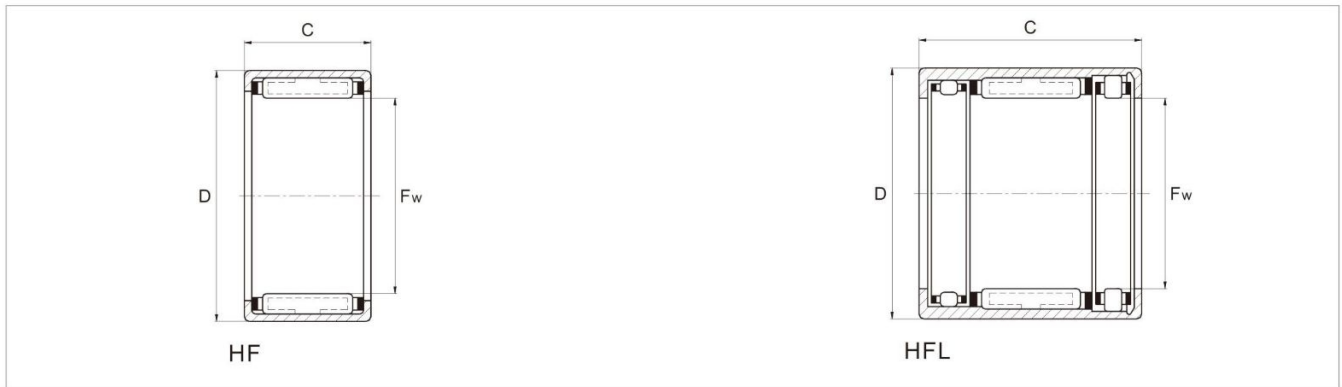
冲压外圈滚针离合器和轴承组件HFL系列有两个合为一体的支承轴承，可作为特别节省空间的支承。支承轴承装在滚针离合器的两侧并承受径向负荷，支承轴承是滚针和塑料保持架组件。

Drawn cup needle clutch and bearing assembly HFL series has a two-in-one supporting bearing which can be a special space-saving support. The supporting bearings fitted be the two sides of the needle clutch bear the radical load. The support bearings are needles and the plastic retainer.



冲压外圈滚针离合器和轴承组件HFL
Drawn cup needle clutch and bearing assembly HFL

■ 冲压外圈滚针离合器/离合器和轴承组件 Drawn cup roller clutches/clutch bearing assemblies



轴径 Shaft Diameter	离合器型号 Clutch Designation			重量 Mass 近似 Approx	外形尺寸 Boundary Dimensions			传动力矩 Torgue Ma	极限转速 ^{注1} Limiting Speed	
	现行的 Current	国外厂商 Other factory			Fw	D	C		n	nA
		INA	托林顿 Torrington							
HF系列/ Series										
4	HF 0406	HF 0406	FC-4	1	4	8	6	0.34	34 000	14 000
6	HF 0612	HF 0612	FCS-6	3	6	10	12	1.76	23 000	13 000
8	HF 0812	HF 0812	-	3.5	8	12	12	3.15	17 000	2 000
10	HF 1012	HF 1012	FCL-10K	4	10	14	12	5.3	14 000	11 000
12	HF 1216	HF 1216	FC-12	11.6	12	18	16	12.2	11 000	8 000
14	HF 1416	HF 1416	-	13	14	20	16	17.3	9 500	8 000
16	HF 1616	HF 1616	FC-16	14	16	22	16	20.5	8 500	7 500
18	HF 1816	HF 1816	-	15.5	18	24	16	24.1	7 500	7 500
20	HF 2016	HF 2016	FC-20	17	20	26	16	28.5	7 000	6 500
25	HF 2520	HF 2520	FC-25	30.9	25	32	20	66	5 500	6 500
30	HF 3020	HF 3020	FC-30	36	30	37	20	90	4 500	4 500
35	HF 3520	HF 3520	FCS-35	40	35	42	20	121	3 900	3 900
HFL系列/ Series										
8	HFL 0822	HFL 0822	FCBL-BK	6.3	8	12	22	3.15	17 000	12 000
10	HFL 1022	HFL 1022	-	7.4	10	14	22	5.3	14 000	11 000
12	HFL 1226	HFL 1226	FCB-12	18	12	18	26	12.2	11 000	8 000
14	HFL 1426	HFL 1426	-	20.3	14	20	26	17.3	9 500	8 000
16	HFL 1626	HFL 1626	FCB-16	22	16	22	26	20.5	8 500	7 500
18	HFL 1826	HFL 1826	-	24.4	18	24	26	24.1	7 500	7 500
20	HFL 2026	HFL 2026	FCB-20	27	20	26	26	28.5	7 000	6 500
25	HFL 2530	HFL 2530	FCB-25	44	25	32	30	66	5 500	5 500
30	HFL 3030	HFL 3030	FCB-30	51	30	37	30	90	4 500	4 500
35	HFL 3530	HFL 3530	-	58	35	42	30	121	3 900	3 900

(1) 极限转速对脂和油润滑都有效。nA指外圈旋转的极限转速。

(2) 为使滚针随时处于锁紧位置，保持架带有不锈钢弹簧片。

(1) Limiting speed is valid both for bearings lubricated with grease and with oil, nA is limiting speed for drawn cup.

(2) To keep the roller always be locked, the cage is designed with stainless steel spring.