

滾珠螺桿

BALL SCREWS



Ball Screws

滾珠螺桿選擇

使用條件

• 精度設計

• 螺桿軸設計

• 驅動扭矩

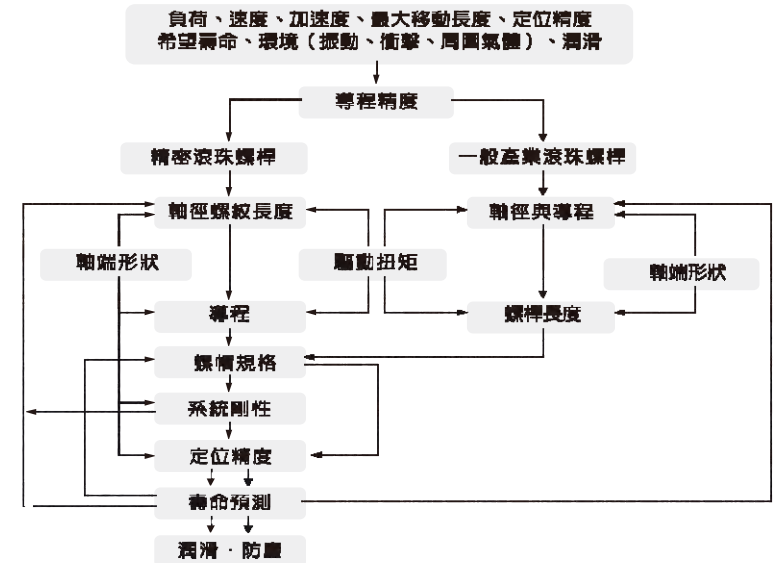
• 螺帽設計

• 剛性檢討

• 定位精度

• 壽命設計

• 注意事項



ZCF 螺桿尺寸明細表

直徑 \ 導程	1	2	2.5	3	4	5	5.08	6	10	12.7	16	20	25	32	40	50
6	◎															
8	◎	◎	◎													
10		◎		◎	◎					◎	◎					
12		◎			◎	◎			◎	◎						
14		◎			◎	◎										
15												◎				
16		◎			◎	◎	◎		◎		◎					
20					◎	◎			◎			◎				
25					◎	◎			◎			◎	◎			
32					◎	◎		◎	◎			◎		◎		
40						◎		◎	◎			◎			◎	
50						◎			◎			◎				◎
63									◎			◎			◎	
80									◎			◎				

• 轉造級 ◎ 研磨級

精密滚珠丝杆系列

Ball and steel rod series

线性导轨

SFT R 025 05 B2 D G C5 P0 1000

螺杆轴全长 (mm)
Overall length of shaft (mm)轴方向间隙预压等级 Axial clearance and preload code
P0、P1、P2、P3、P4导程精度等级 Accuracy grade code
C0、C1、C2、C3、C5、C7、C10制程代号 Produce code
G:研磨 F: 转造 G: Grinding F: Rolled法兰型式 Flange type
N: 无切边 S: 单切边 D: 双切边 N: Not cutting S: Single cutting D: Double cutting珠卷数(卷数x列数) No. of Turn (Circuits) or Turn x Row
卷数: T: 1 (or 0.7) A: 1.5 (or 1.7) B: 2.5 C: 3.5 例: (B2=2.5x2)
(Turn) ex

导程 (mm) Lead (mm)

螺杆轴外径 (mm) Shaft dia. (mm)

螺纹方向 Direction of helix
R: 右 L: 左 R: Right L: Left

螺母型号 Nut type codes

S: S: 单螺母 Single nut D: 双螺母 Double nut

F: F: 有法兰 With flange C: 无法兰 Without flange

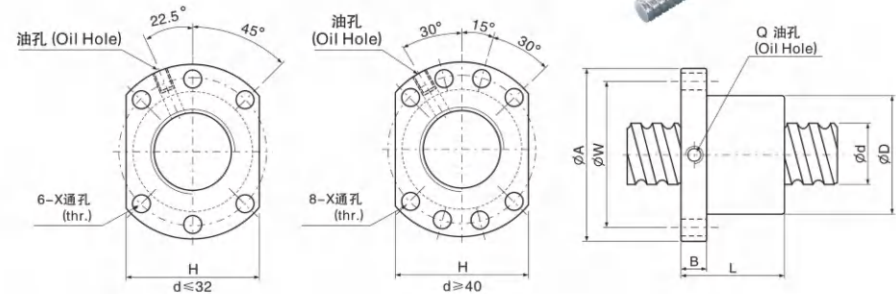
T: T: T型螺母 T type nut I: I型螺母 I type nut D: D型螺母 D type nut E: E型螺母 E type nut

K: K型螺母 K type nut U: DIN规格螺母 DIN nut S: 间行化

(SFI、DFI、SFT、DFT、SFE、SFK)

SFS (DIN 69051 Form B) 滚珠螺杆规格表

Dimension Table of SFS (DIN 69051 Form B) Ball Screws



l: 导程 Lead Da: 球径 Ball Dia. n: 珠圈数 Number of Circuits K: 刚性 Stiffness (Kgf/μm)

Ca: 动额定负荷 Basic Dynamic Rating Load (Kgf) Coa: 静额定负荷 Basic Static Rating Load (Kgf)

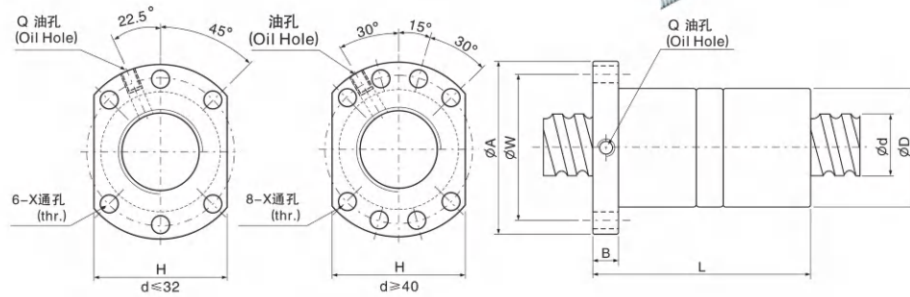
单位 (Unit): mm

型号 Model No.		滚珠螺杆、螺帽之基准数据 Dimensions													
		d	l	Da	D	A	B	L	W	H	X	Q	n	Ca	Coa
SFS01205-2.8	12	5	2.5	24	40	10	31	32	30	4.5	M6*1P	2.8*1	536	794	12.5
SFS01210-2.8		10	2.5	24	40	10	48.5	32	30	4.5	M6*1P	2.8*1	523	776	12.5
SFS01605-3.8		5	2.778	28	48	10	38	38	40	5.5	M6*1P	3.8*1	771	1536	19.6
SFS01610-2.8	15	10	2.778	28	48	10	47	38	40	5.5	M6*1P	2.8*1	592.9	1131.8	14.4
SFS01616-1.8		16	2.778	28	48	10	45	38	40	5.5	M6*1P	1.8*1	405.5	727.6	9.2
SFS01616-2.8		16	2.778	28	48	10	61	38	40	5.5	M6*1P	2.8*1	592.9	1131.8	14.4
SFS01620-1.8	20	20	2.778	28	48	10	57	38	40	5.5	M6*1P	1.8*1	415.2	768	9.2
SFS02005-3.8		5	3.175	36	58	10	40	47	44	6.6	M6*1P	3.8*1	1027.1	2229.4	25.9
SFS02010-3.8		10	3.175	36	58	10	60	47	44	6.6	M6*1P	3.8*1	1049.1	2340.9	25.9
SFS02020-1.8	20	20	3.175	36	58	10	57	47	44	6.6	M6*1P	1.8*1	551.9	1108.8	12.2
SFS02020-2.8		20	3.175	36	58	10	77	47	44	6.6	M6*1P	2.8*1	807	1724.8	19.1
SFS02505-3.8		5	3.175	40	62	10	40	51	48	6.6	M6*1P	3.8*1	1133.1	2786.7	32
SFS02510-3.8	25	10	3.175	40	62	12	62	51	48	6.6	M6*1P	3.8*1	1133.1	2786.7	32
SFS02525-1.8		25	3.175	40	62	12	70	51	48	6.6	M6*1P	1.8*1	606.3	1372.8	15.1
SFS02525-2.8		25	3.175	40	62	12	95	51	48	6.6	M6*1P	2.8*1	886.5	2135.5	23.6
SFS03205-3.8	32	5	3.175	50	80	12	42	65	62	9	M6*1P	3.8*1	1263.1	3567	40.6
SFS03210-3.8		10	3.969	50	80	13	62	65	62	9	M6*1P	3.8*1	1693.4	4354.9	39.7
SFS03220-2.8		20	3.969	50	80	12	80	65	62	9	M6*1P	2.8*1	1324.9	3337.2	29.3
SFS03232-1.8	31	32	3.969	50	80	13	84	65	62	9	M6*1P	1.8*1	906	2145.5	18.8
SFS03232-2.8		32	3.969	50	80	13	116	65	62	9	M6*1P	2.8*1	1324.9	3337.2	29.3
SFS04005-3.8		5	3.175	63	93	15	45	78	70	9	M8*1P	3.8*1	1393.4	4458.8	50.5
SFS04010-3.8	40	10	6.35	63	93	14	63	78	70	9	M8*1P	3.8*1	3496.9	8471.8	49.3
SFS04020-2.8		20	6.35	63	93	14	82	78	70	9	M8*1P	2.8*1	2750.6	6570.9	36.3
SFS04040-1.8		40	6.35	63	93	15	105	78	70	9	M8*1P	1.8*1	1881	4224.1	23.3
SFS04040-2.8	38	40	6.35	63	93	15	145	78	70	9	M8*1P	2.8*1	2750.6	6570.9	36.3
SFS05005-3.8		5	3.175	75	110	15	45	93	85	11	M8*1P	3.8*1	1537.1	5573.5	62.8
SFS05010-3.8		10	6.35	75	110	18	68	93	85	11	M8*1P	3.8*1	3875.4	10701.2	61.6
SFS05020-3.8	48	20	6.35	75	110	18	108	93	85	11	M8*1P	3.8*1	3945.7	11147.1	61.6
SFS05050-1.8		50	6.35	75	110	18	125	93	85	11	M8*1P	1.8*1	2111.2	5491.4	29.2
SFS05050-2.8		50	6.35	75	110	18	175	93	85	11	M8*1P	2.8*1	3087.1	8542.2	45.4
SFS06310-3.8	61	10	6.35	90	125	18	70	108	95	11	M8*1P	3.8*1	4147.4	12484.8	77.6
SFS06320-3.8		20	7.144	95	135	20	116	115	100	13.5	M8*1P	3.8*1	4877.8	14109.1	77.9
SFS08010-3.8		10	6.35	105	145	20	70	125	110	13.5	M8*1P	3.8*1	4632.4	16051.9	97.3
SFS08020-3.8	77	20	9.525	125	165	25	120	145	130	13.5	M8*1P	3.8*1	7891.4	23074.6	98.6
SFS010020-3.8		96	20	12.7	150	202	30	124	176	155	17.5	M8*1P	3.8*1	12725.1	37454.4

备注: 有标注 ★ 记号者可制作左螺纹 Note: with sign ★ can produce left helix

DFS (DIN 69051 Form B) 滚珠螺杆规格表

Dimension Table of DFS (DIN 69051 Form B) Ball Screws



L: 导程 Lead Da: 珠径Ball Dia. n: 珠圈数Number of Circuits K: 刚性 Stiffness (Kgf/μm)
Ca: 动额定负荷 Basic Dynamic Rating Load(Kgf) Coa: 静额定负荷 Basic Static Rating Load(Kgf)

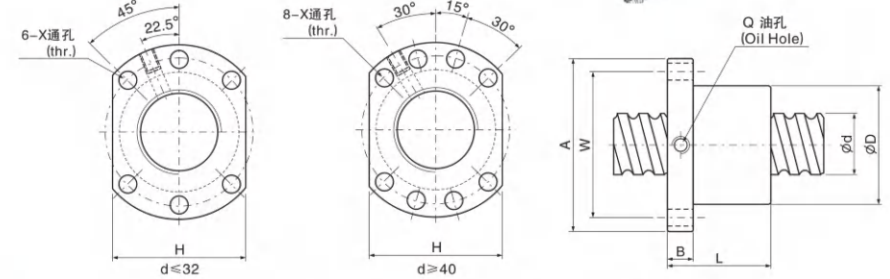
单位 (Unit): mm

型号 Model No.	滚珠螺杆、螺帽之基准数据 Dimensions														
	d	I	Da	D	A	B	L	W	H	X	Q	n	Ca	Coa	K
DFS01605-3.8	15	5	2.778	28	48	10	73	38	40	5.5	M6*1P	3.8*1	771	1536	39.21
DFS01610-2.8		10	2.778	28	48	10	97	38	40	5.5	M6*1P	2.8*1	592.9	1131.8	28.89
DFS02005-3.8	20	5	3.175	36	58	10	75	47	44	6.6	M6*1P	3.8*1	1027.1	2229.4	51.84
DFS02010-3.8		10	3.175	36	58	10	120	47	44	6.6	M6*1P	3.8*1	1049.4	2340.9	51.84
DFS02505-3.8	25	5	3.175	40	62	10	75	51	48	6.6	M6*1P	3.8*1	1133.1	2786.7	64.14
DFS02510-3.8		10	3.175	40	62	12	122	51	48	6.6	M6*1P	3.8*1	1133.1	2786.7	64.14
DFS03205-3.8	32	5	3.175	50	80	12	82	65	62	9	M6*1P	3.8*1	1263.1	3567	81.35
DFS03210-3.8		10	3.969	50	80	13	122	65	62	9	M6*1P	3.8*1	1693.4	4354.9	79.56
DFS03220-2.8	31	20	3.969	50	80	12	160	65	62	9	M6*1P	2.8*1	1324.9	3337.2	58.62
DFS04005-3.8		40	5	3.175	63	93	15	85	78	70	9	M8*1P	3.8*1	1393.4	4458.8
DFS04010-3.8	38	10	6.35	63	93	14	123	78	70	9	M8*1P	3.8*1	3496.9	8471.8	98.76
DFS04020-2.8		20	6.35	63	93	14	162	78	70	9	M8*1P	2.8*1	2750.6	6570.9	72.77
DFS05005-3.8	50	5	3.175	75	110	15	85	93	85	11	M8*1P	3.8*1	1537.1	5573.5	125.62
DFS05010-3.8		10	6.35	75	110	18	138	93	85	11	M8*1P	3.8*1	3875.4	10701.2	123.35
DFS05020-3.8	48	20	6.35	75	110	18	218	93	85	11	M8*1P	3.8*1	3945.7	11147.1	123.35
DFS06310-3.8		10	6.35	90	125	18	140	108	95	11	M8*1P	3.8*1	4147.4	12484.8	155.32
DFS06320-3.8	61	20	7.144	95	135	20	226	115	100	13.5	M8*1P	3.8*1	4877.8	14109.1	155.98
DFS08010-3.8		10	6.35	105	145	20	140	125	110	13.5	M8*1P	3.8*1	4632.4	16051.9	194.67
DFS08020-3.8	77	20	9.525	125	165	25	230	145	130	13.5	M8*1P	3.8*1	7891.4	23074.6	197.33
DFS010020-3.8		96	20	12.7	150	202	30	244	176	155	17.5	M8*1P	3.8*1	12725.1	37454.4

备注: 有标注 ★ 记号者可制作左螺旋 Note: with sign ★ can produce left helix

SFU (DIN 69051 Form B) 滚珠螺杆规格表

Dimension Table of SFU (DIN 69051 Form B) Ball Screws



L: 导程 Lead Da: 珠径Ball Dia. n: 珠圈数Number of Circuits K: 刚性 Stiffness (Kgf/μm)
Ca: 动额定负荷 Basic Dynamic Rating Load(Kgf) Coa: 静额定负荷 Basic Static Rating Load(Kgf)

单位 (Unit): mm

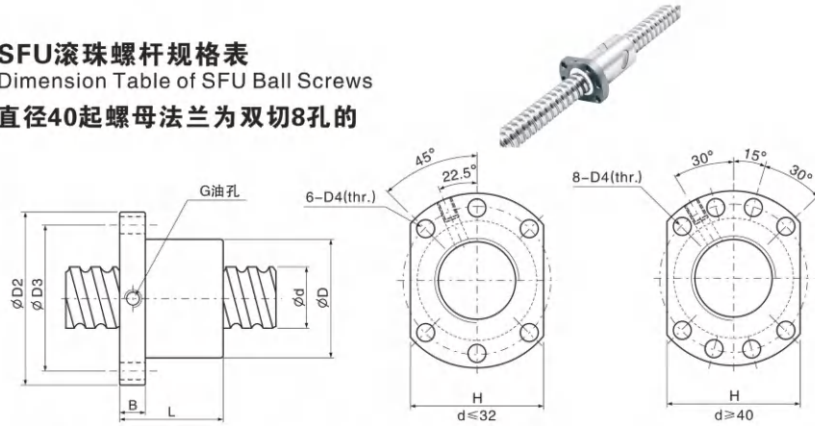
	型号 Model No.	滚珠螺杆、螺帽之基准数据 Dimensions														
		d	I	Da	D	A	B	L	W	H	X	Q	n	Ca	Coa	K
★	SFU 1204-4	12	4	2.381	22/24	40	8	40	32	30	4.5	M6	4	593	1129	12.5
★	SFU 1604-4	16	4	2.381	28	48	10	40	38	40	5.5	M6	4	629	1270	35
★	SFU 1605-4		5	3.175	28	48	10	50	38	40	5.5	M6	4	780	1790	20
★	SFU 1610-3	20	10	3.175	28	48	10	57	38	40	5.5	M6	3	721	1249	15
★	SFU 2004-4		4	2.381	36	58	10	42	47	44	6.6	M6	4	699	1617	41
★	SFU 2005-4	25	5	3.175	36	58	10	51	47	44	6.6	M6	4	1130	2380	25
★	SFU 2504-4		4	2.381	40	62	10	42	51	48	6.6	M6	4	777	2052	48
★	SFU 2505-4	25	5	3.175	40	62	10	51	51	48	6.6	M6	4	1280	3110	35
★	SFU 2506-4		6	3.969	40	62	10	54	51	48	6.6	M6	4	1528	3284	40
★	SFU 2508-4	32	8	4.762	40	62	10	63	51	48	6.6	M6	4	1941	3863	38
★	SFU 2510-4		10	4.762	40	62	12	85	51	48	6.6	M6	4	1944	3877	33
★	SFU 3204-4	32	4	2.381	50	80	12	44	65	62	9	M6	4	871	2661	56
★	SFU 3205-4		5	3.175	50	80	12	52	65	62	9	M6	4	1450	4150	40
★	SFU 3206-4	40	6	3.969	50	80	12	57	65	62	9	M6	4	1720	4298	47
★	SFU 3208-4		8	4.762	50	80	12	65	65	62	9	M6	4	2189	5079	44
★	SFU 3210-4	50	10	6.350	50	80	12	90	65	62	9	M6	4	3390	7170	79
★	SFU 4005-4		5	3.175	63	93	14	55	78	70	9	M8	4	1610	5330	49
★	SFU 4006-4	63	6	3.969	63	93	14	60	78	70	9	M6	4	1911	5458	55
★	SFU 4008-4		8	4.762	63	93	14	67	78	70	9	M6	4	2435	6469	52
★	SFU 4010-4	80	10	6.350	63	93	14	93	78	70	9	M8	4	3910	9520	50
★	SFU 5010-4		10	6.350	75	110	16	93	93	85	11	M8	4	4450	12500	65
★	SFU 5020-4	100	20	7.144	75	110	16	138	93	85	11	M8	4	4644	14327	59.5
★	SFU 6310-4		10	6.350	90	125	18	98	108	95	11	M8	4	5070	16600	80
★	SFU 6320-4	80	20	9.525	95	135	20	149	115	100	13.5	M8	4	7573	23860	84.1
★	SFU 8010-4		10	6.350	105	145	20	98	125	110	13.5	M8	4	5620	21300	90
★	SFU 8020-4	100	20	9.525	125	165	25	154	145	130	13.5	M8	4	8485	30895	84.1
★	SFU10020-4		20	9.525	150	202	30	180	170	155	17.5	M8	4	9420	39183	110.1

备注: 有标注 ★ 记号者可制作左螺旋 Note: with sign ★ can produce left helix

SFU滚珠螺杆规格表

Dimension Table of SFU Ball Screws

直径40起螺母法兰为双切8孔的



l: 导程 Lead Da: 珠径 Ball Dia. n: 珠圈数 Number of Circuits K: 刚性 Stiffness (Kgf/μm)
Ca: 动额定负荷 Basic Dynamic Rating Load (Kgf) Coa: 静额定负荷 Basic Static Rating Load (Kgf)

单位 (Unit): mm

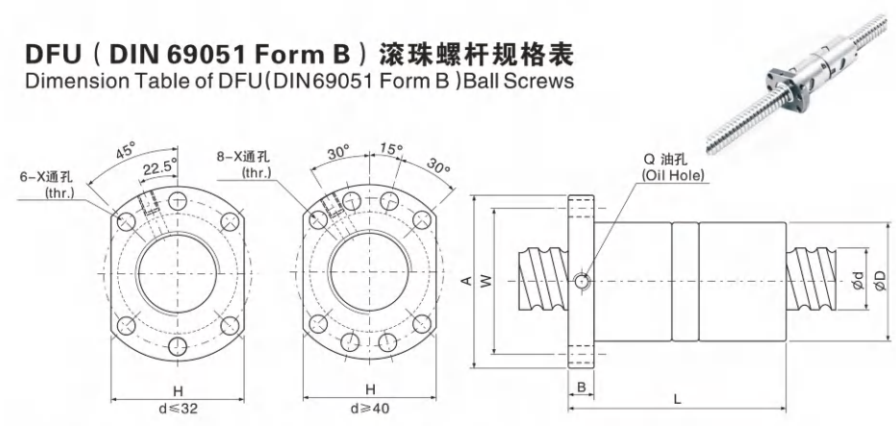
	型号 Model No.	公称直径	公称导程	钢球直径	循环圈数	滚珠丝杠螺母安装尺寸								额定载荷	
						D1 (g6)	D2	D3	D4	L	B	G	H	动载荷 Ca	静载荷 Coa
★	SFU1204-3	12	4	2.381	3	22/24	42	32	4.8	35	8	M6	30	592	1129
★	SFU1604-3	16	4	2.381	3	28	48	38	5.5	36	10	M6	40	629	1270
★	SFU1605-3	16	5	3.175	3	28	48	38	5.5	42	10	M6	40	780	1790
★	SFU1605-4	16	5	3.175	4	28	48	38	5.5	50	10	M6	40	780	1790
	SFU1610-2/4	16	10	3.175	2	28	48	38	5.5	42	10	M6	40	736	1275
	SFU2004-3	20	4	2.381	3	36	58	47	6.7	42	10	M6	44	860	1710
★	SFU2005-3	20	5	3.175	3	36	58	47	6.7	42	10	M6	44	860	1710
★	SFU2005-4	20	5	3.175	4	36	58	47	6.7	51	10	M6	44	1130	2380
	SFU2010-2/4	20	10	3.175	3	36	58	47	6.7	42	10	M5	44	996	2296
★	SFU2505-3	25	5	3.175	3	40	63	51	6.7	42	10	M6	48	980	2300
★	SFU2505-4	25	5	3.175	4	40	63	51	6.7	51	10	M6	48	1280	3110
	SFU2510-3	25	10	4.763	3	40	62	51	6.8	85	15	M6	48	870	2050
★	SFU3205-3	32	5	3.175	3	50	80	65	9	52	12	M6	62	1690	5100
★	SFU3205-4	32	5	3.175	4	50	80	65	9	52	12	M6	62	1450	4150
	SFU3210-3	32	10	6.35	3	50	80	65	9	74	12	M6	62	2610	5310
	SFU3210-4	32	10	6.35	4	50	80	65	9	90	14	M6	62	3390	7170
★	SFU4005-4	40	5	3.175	4	63	93	78	9	55	15	M6	70	1610	5330
★	SFU4005-5	40	5	3.175	5	63	93	78	9	55	14	M6	70	1900	6620
	SFU4010-3	40	10	6.35	3	63	93	78	9	71	14	M6/M8	70	3010	7100
★	SFU4010-4	40	10	6.35	4	63	93	78	9	93	15	M6/M8	70	3910	9520
	SFU5005-4	50	5	3.175	4	75	110	93	11	55	15	M6/M8	85	1880	6690
	SFU5010-4	50	10	6.35	4	75	110	93	11	95	16	M6/M8	85	5310	15500
★	SFU6310-4	63	10	6.35	4	90	125	108	11	97	18	M8	95	5070	16600
	SFU6310-5	63	10	6.35	5	90	125	108	11	97	18	M8	95	6070	20600
	SFU8010-5	80	10	6.35	5	105	145	125	13.5	108	20	M8	110	6660	26500
	SFU8010-6	80	10	6.35	6	105	145	125	13.5	110	22	M8	110	7810	31800
Ca Coa: 载荷单位: kgf 1kgf=9.8N															

Ca Coa: 载荷单位: kgf 1kgf=9.8N

备注: 有标注 ★ 记号者可制作左螺纹 Note: with sign ★ can produce left helix

DFU (DIN 69051 Form B) 滚珠螺杆规格表

Dimension Table of DFU (DIN 69051 Form B) Ball Screws



l: 导程 Lead Da: 珠径 Ball Dia. n: 珠圈数 Number of Circuits K: 刚性 Stiffness (Kgf/μm)
Ca: 动额定负荷 Basic Dynamic Rating Load (Kgf) Coa: 静额定负荷 Basic Static Rating Load (Kgf)

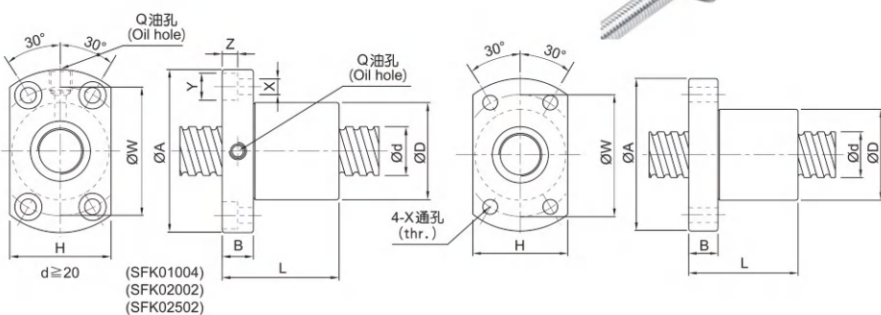
单位 (Unit): mm

	型号 Model No.	滚珠螺杆、螺帽之基准数据 Dimensions														
		d	l	Da	D	A	B	L	W	H	X	Q	n	Ca	Coa	K
★	DFU 1604-4	16	4	2.381	28	48	10	80	38	40	5.5	M6	4	629	1270	35
★	DFU 1605-4		5	3.175	28	48	10	100	38	40	5.5	M6	4	780	1790	20
★	DFU 1610-3		10	3.175	28	48	10	118	38	40	5.5	M6	3	721	1249	15
	DFU 2004-4	20	4	2.381	36	58	10	80	47	44	6.6	M6	4	699	1617	41
★	DFU 2005-4		5	3.175	36	58	10	101	47	44	6.6	M6	4	1130	2380	25
	DFU 2504-4		4	2.381	40	62	10	80	51	48	6.6	M6	4	777	2032	48
★	DFU 2505-4	25	5	3.175	40	62	10	101	51	48	6.6	M6	4	1280	3110	35
	DFU 2506-4		6	3.969	40	62	10	105	51	48	6.6	M6	4	1528	3284	40
	DFU 2508-4		8	4.762	40	62	10	120	51	48	6.6	M6	4	1941	3863	38
★	DFU 2510-4	25	10	4.762	40	62	12	145	51	48	6.6	M6	4	1944	3877	33
	DFU 3204-4		4	2.381	50	80	12	80	65	62	9	M6	4	871	2661	56
★	DFU 3205-4		5	3.175	50	80	12	102	65	62	9	M6	4	1450	4150	40
	DFU 3206-4	32	6	3.969	50	80	12	105	65	62	9	M6	4	1720	4298	47
	DFU 3208-4		8	4.762	50	80	12	122	65	62	9	M6	4	2189	5079	44
★	DFU 3210-4	32	10	6.350	50	80	12	162	65	62	9	M6	4	3390	7170	79
★	DFU 4005-4		5	3.175	63	93	14	105	78	70	9	M8	4	1610	5330	49
	DFU 4006-4		40	6	3.969	63	93	14	108	78	70	9	M6	4	1911	5458
	DFU 4008-4	8		4.762	63	93	14	132	78	70	9	M6	4	2435	6469	52
★	DFU 4010-4	10		6.350	63	93	14	165	78	70	9	M8	4	3910	9520	50
	DFU 5010-4	50	10	6.350	75	110	16	171	93	85	11	M8	4	4450	12500	65
★	DFU 5020-4		20	7.144	75	110	16	280	93	85	11	M8	4	4644	14327	59.5
★	DFU 6310-4		63	10	6.350	90	125	18	182	108	95	11	M8	4	5070	16600
	DFU 6320-4	20		9.525	95	135	20	290	115	100	13.5	M8	4	7573	23860	84.1
★	DFU 8010-4	80	10	6.350	105	145	20	182	125	110	13.5	M8	4	5620	21300	90
	DFU 8020-4		20	9.525	125	165	25	295	145	130	13.5	M8	4	8485	30895	84.1
	DFU10020-4	100	20	9.525	150	202	30	340	170	155	17.5	M8	4	9420	39183	300

备注: 有标注 ★ 记号者可制作左螺纹 Note: with sign ★ can produce left helix

SFK滚珠螺杆规格表

Dimension Table of SFK Ball Screws



单位 (Unit):mm

公称型号	轴径 D	导程 I	珠径 Da	螺帽尺寸										动额定 负荷 Ca	静额定 负荷 Coa	刚性 kgf/ μm	
				D	A	B	L	W	H	X	Y	Z	Q				n
SFK00401	4	1	0.8	10	20	3	12	15	14	2.9	-	-	-	1x2	64	97	5
SFK00601	6	1	0.8	12	24	3.5	15	18	16	3.4	-	-	-	1x3	111	224	9
★ SFK00801	8	1	0.8	14	27	4	16	21	18	3.4	-	-	-	1x4	161	403	14
★ SFK00802		2	1.2	14	27	4	16	21	18	3.4	-	-	-	1x3	222	458	13
SFK008025		2.5	1.2	16	29	4	26	23	20	3.4	-	-	-	1x3	221	457	13
★ SFK01002	10	2	1.2	18	35	5	28	27	22	4.5	-	-	-	1x3	243	569	15
SFK01004		4	2	26	46	10	34	36	28	4.5	8	4.5	M6	1x3	468	905	17
★ SFK01202	12	2	1.2	20	37	5	28	29	24	4.5	-	-	-	1x4	334	906	22
★ SFK01402	14	2	1.2	21	40	6	23	31	26	5.5	-	-	-	1x4	354	1053	24
★ SFK01602	16	2	1.2	25	43	10	40	35	29	5.5	-	-	M6	1x4	373	1200	26
SFK02002	20	2	1.2	50	80	15	55	65	68	6.5	10.5	6	M6	1x6	581	2284	48
SFK02502	25	2	1.2	50	80	13	43	65	68	6.5	10.5	6	M6	1x5	540	2381	46

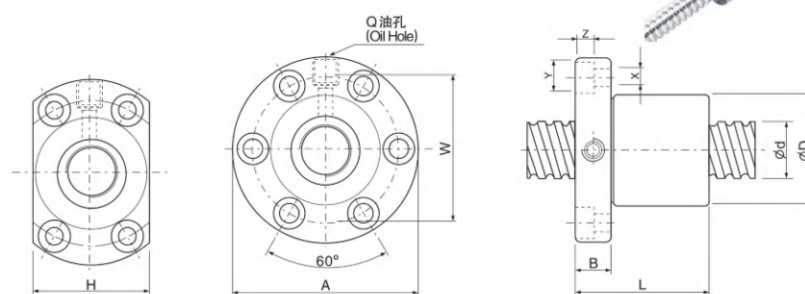
备注: 有标注 ★ 记号者可制作左螺纹 Note: with sign ★ can produce left helix

单位 (Unit):mm

公称型号	轴径 D	导程 I	珠径 Da	螺帽尺寸											动额定 负荷 Ca	静额定 负荷 Coa	刚性 kgf/ μm
				D	A	B	L	W	H	X	Y	Z	Q	n			
XSUR01204T3D-02	12	4	2.5	24	40	6	28	32	25	3.5	-	-	-	1x3	454	722	-
XSUR01205T3D-00		5	2.5	22	37	8	39	29	24	4.5	-	-	-	1x3	675	1316	17

SFI滚珠螺杆规格表

Dimension Table of SFI Ball Screws

I: 导程 Lead Da: 珠径 Ball Dia. n: 珠圈数 Number of Circuits K: 刚性 Stiffness (Kgf/ μ m)

Ca: 动额定负荷 Basic Dynamic Rating Load (Kgf) Coa: 静额定负荷 Basic Static Rating Load (Kgf)

单位 (Unit):mm

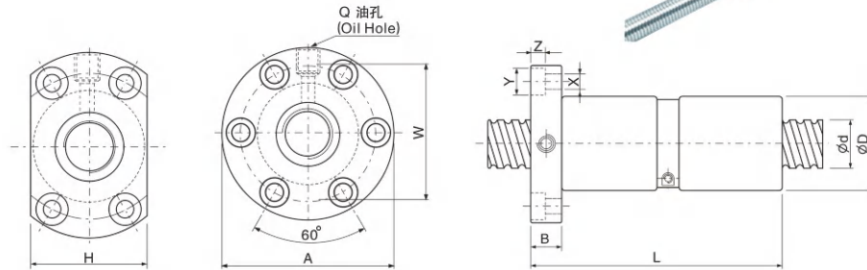
型号 Model No.	滚珠螺杆、螺帽之基准数据 Dimensions																
	d	I	Da	D	A	B	L	W	H	X	Y	Z	Q	n	Ca	Coa	K
★ SFI 1604-4	16	4	2.381	30	49	10	45	39	34	4.5	8	4.5	M6	4	640	1340	16
★ SFI 1605-4		5	3.175	30	49	10	50	39	34	4.5	8	4.5	M6	4	780	1790	20
★ SFI 1610-3		10	3.175	34	58	10	57	45	34	5.5	9.5	5.5	M6	3	833	1249	15
★ SFI 2004-4	20	4	2.381	34	57	11	46	45	40	5.5	9.5	5.5	M6	4	670	1480	25
★ SFI 2005-4		5	3.175	34	57	11	51	45	40	5.5	9.5	5.5	M6	4	1130	2380	25
★ SFI 205T-4		5.08	3.175	34	57	11	51	45	40	5.5	9.5	5.5	M6	4	1130	2380	25
★ SFI 2504-4	25	4	2.381	40	63	11	46	51	46	5.5	9.5	5.5	M6	4	760	1950	31
★ SFI 2505-4		5	3.175	40	63	11	51	51	46	5.5	9.5	5.5	M8	4	1280	3110	35
★ SFI 2510-4		10	4.762	46	72	12	85	58	52	6.5	11	6.5	M6	4	1944	3877	33
★ SFI 3204-4	32	4	2.381	46	72	12	47	58	52	6.5	11	6.5	M6	4	860	3050	40
★ SFI 3205-4		5	3.175	46	72	12	52	58	52	6.5	11	6.5	M8	4	1450	4150	40
★ SFI 3210-4		10	6.35	54	88	15	90	70	62	9	14	8.5	M8	4	3390	7170	40
★ SFI 4005-4	40	5	3.175	56	90	15	55	72	64	9	14	8.5	M8	4	1610	5330	49
SFI 4010-4		10	6.35	62	104	18	93	82	70	11	17.5	11	M8	4	3910	9520	50
SFI 5010-4	50	10	6.35	72	114	18	93	92	82	11	17.5	11	M8	4	4450	12500	65
SFI 6310-4	63	10	6.35	85	131	22	98	107	95	14	20	13	M8	4	5070	16600	80
SFI 8010-4	80	10	6.35	105	150	22	98	127	115	14	20	13	M8	4	5620	21300	90

备注: 有标注 ★ 记号者可制作左螺纹 Note: with sign ★ can produce left helix

DFI滚珠螺杆规格表

Dimension Table of DFI Ball Screws

线性导轨



I: 导程 Lead Da: 珠径 Ball Dia. n: 珠圈数 Number of Circuits K: 刚性 Stiffness (Kg/ μ m)
 Ca: 动额定负荷 Basic Dynamic Rating Load (Kg) Coa: 静额定负荷 Basic Static Rating Load (Kg)

单位 (Unit): mm

	型号 Model No.	滚珠螺杆、螺帽之基准数据 Dimensions																
		d	I	Da	D	A	B	L	W	H	X	Y	Z	Q	n	Ca	Coa	K
★	DFI 1604-4	16	4	2.381	30	49	10	80	39	34	4.5	8	4.5	M6	4	640	1340	35
★	DFI 1605-4		5	3.175	30	49	10	100	39	34	4.5	8	4.5	M6	4	780	1790	36
★	DFI 2004-4	20	4	2.381	34	57	11	80	45	40	5.5	9.5	5.5	M6	4	670	1480	41
★	DFI 2005-4		5	3.175	34	57	11	101	45	40	5.5	9.5	5.5	M6	4	1130	2380	45
★	DFI 2504-4	25	4	2.381	40	63	11	80	51	46	5.5	9.5	5.5	M6	4	760	1950	48
★	DFI 2505-4		5	3.175	40	63	11	101	51	46	5.5	9.5	5.5	M8	4	1280	3110	63
★	DFI 2510-4		10	4.762	46	72	12	145	58	52	6.5	11	6.5	M6	4	1944	3877	65
★	DFI 3204-4	32	4	2.381	46	72	12	80	58	52	6.5	11	6.5	M6	4	860	3050	56
	DFI 3205-4		5	3.175	46	72	12	102	58	52	6.5	11	6.5	M8	4	1450	4150	72
	DFI 3210-4		10	6.35	54	88	15	162	70	62	9	14	8.5	M8	4	3390	7170	72
★	DFI 4005-4	40	5	3.175	56	90	15	105	72	64	9	14	8.5	M8	4	1610	5330	98
★	DFI 4010-4		10	6.35	62	104	18	165	82	70	11	17.5	11	M8	4	3910	9520	90
★	DFI 5010-4	50	10	6.35	72	114	18	171	92	82	11	17.5	11	M8	4	4450	12500	117
★	DFI 6310-4	63	10	6.35	85	131	22	182	107	95	14	20	13	M8	4	5070	16600	114
★	DFI 8010-4	80	10	6.35	105	150	22	182	127	115	14	20	13	M8	4	5620	21300	162

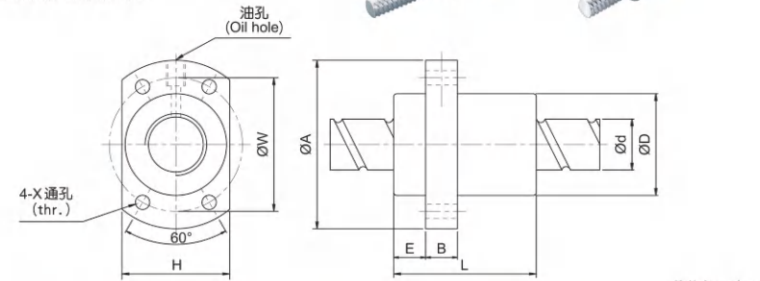
备注: 有标注 ★ 记号者可制作左螺纹 Note: with sign ★ can produce left helix

SFY/SFE滚珠螺杆规格表

Dimension Table of SFY/SFE Ball Screws

转造级库存螺杆系列

Stock Rolled Ball Screw Series



单位 (Unit): mm

二倍导程 公称型号	轴径 D	导程 I	珠径 Da	螺帽尺寸										动额定 负荷 Ca	静额定 负荷 Coa	刚性 kg/ μ m
				D	A	E	B	L	W	H	X	Q	n			
SFY01616-3.6	16	16	2.778	32	53	10.1	10	45	42	34	4.5	M6	1.8x2	1073	2551	31
SFY02020-3.6	20	20	3.175	39	62	13	10	52	50	41	5.5	M6	1.8x2	1387	3515	37
SFY02525-3.6	25	25	3.969	47	74	15	12	64	60	49	6.6	M6	1.8x2	2074	5494	45
SFY03232-3.6	32	32	4.762	58	92	17	12	78	74	60	9	M6	1.8x2	3021	8690	58
SFY04040-3.6	40	40	6.35	73	114	19.5	15	99	93	75	11	M6	1.8x2	4831	14062	70
SFY05050-3.6	50	50	7.938	90	135	21.5	20	117	112	92	14	M6	1.8x2	7220	21974	86

二倍导程 公称型号	轴径 D	导程 I	珠径 Da	螺帽尺寸										动额定 负荷 Ca	静额定 负荷 Coa	刚性 kg/ μ m
				D	A	E	B	L	W	H	X	Q	n			
SFY01632-1.6	16	32	2.778	32	53	10.1	10	42.5	42	34	4.5	M6	0.8x2	493	1116	11
SFY02040-1.6	20	40	3.175	39	62	13	10	48	50	41	5.5	M6	0.8x2	653	1597	15
SFY02550-1.6	25	50	3.969	47	74	15	12	58	60	49	6.6	M6	0.8x2	976	2495	19
SFY03264-1.6	32	64	4.762	58	92	17	12	71	74	60	9	M6	0.8x2	1374	3571	22
SFY04080-1.6	40	80	6.35	73	114	19.5	15	90	93	75	11	M6	0.8x2	2273	6387	29
SFY050100-1.6	50	100	7.938	90	135	21.5	20	111	112	92	14	M6	0.8x2	3398	9980	35

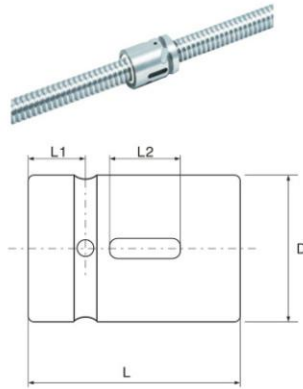
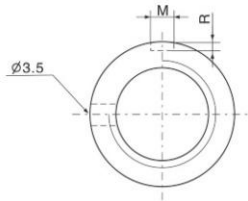
d: 外径 Screw O.D. I: 导程 Lead Da: 珠径 Ball Dia. n: 珠圈数 Number of Circuits Ls: 螺杆长度 Screw Length
 Ca: 动额定负荷 Basic Dynamic Rating Load (Kg) Coa: 静额定负荷 Basic Static Rating Load (Kg)

单位 (Unit): mm

型号 Model No.	滚珠螺杆、螺帽之基准数据 Dimensions															
	d	I	Da	D	A	E	B	L	W	X	H	Q	n	Ca	Coa	Ls
SFER01616A2DFC7	16	16	2.778	32	53	10.1	10	45	42	4.5	34	M6	1.7X2	650	1280	3000
SFER02020A2DFC7	20	20	3.175	39	62	11.5	10	55	50	5.5	41	M6	1.7X2	980	2140	3000
SFER02525A2DFC7	25	25	3.969	47	74	13	12	57	60	6.6	49	M6	1.7X2	1470	3350	6000
SFER03232A2DFC7	32	32	4.762	58	92	16	12	82	74	9.6	60	M6	1.7X2	2140	5260	6000
SFER04040A2DFC7	40	40	6.350	73	114	19	15	99	93	11	75	M6	1.7X2	3410	8820	6000
SFER05050A2DFC7	50	50	7.938	90	135	21.5	20	125	112	14	92	M6	1.7X2	5100	13800	6000

SCI滚珠螺杆规格表
Dimension Table of SCI Ball Screws

线性导轨

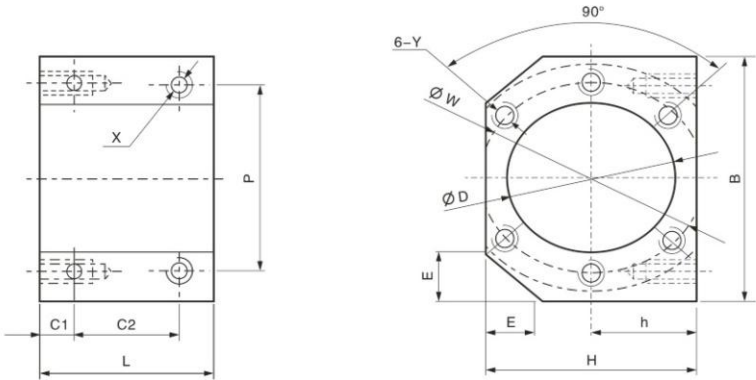


L: 导程 Lead Da: 珠径Ball Dia. n: 珠圈数Number of Circuits K: 刚性 Stiffness (Kg/μm)
Ca: 动额定负荷 Basic Dynamic Rating Load(Kgf) Coa: 静额定负荷 Basic Static Rating Load(Kgf) 单位(Unit):mm

型号 Model No.	滚珠螺杆、螺帽之基准数据 Dimensions												
	d	l	Da	D	L	L1	L2	M	R	n	Ca	Coa	K
SCI 1604-4	16	4	2.381	30	40	9	15	3	1.5	4	640	1340	16
SCI 1605-4		5	3.175	30	45	9	20	5	3	4	780	1790	20
SCI 2004-4	20	4	2.381	34	40	9	15	3	1.5	4	670	1480	25
SCI 2005-4		5	3.175	34	45	9	20	5	3	4	1130	2380	25
SCI 2504-4	25	4	2.381	40	40	9	15	3	1.5	4	760	1950	31
SCI 2505-4		5	3.175	40	45	9	20	5	3	4	1280	3110	35
SCI 2510-4		10	4.762	46	85	13	30	5	3	4	1944	3877	33
SCI 3204-4	32	4	2.381	46	40	9	15	3	1.5	4	860	3050	40
SCI 3205-4		5	3.175	46	45	9	20	5	3	4	1450	4150	40
SCI 3210-4		10	6.35	54	85	13	30	5	3	4	3390	7170	40
SCI 4005-4	40	5	3.175	56	45	9	20	5	3	4	1610	5330	49
SCI 4010-4		10	6.35	62	85	13	30	5	3	4	3910	9520	50
SCI 5010-4	50	10	6.35	72	85	13	30	5	3	4	4450	12500	65
SCI 6310-4	63	10	6.35	85	85	13	30	6	3.5	4	5070	16600	80
SCI 8010-4	80	10	6.35	105	85	13	30	8	4.5	4	5620	21300	90

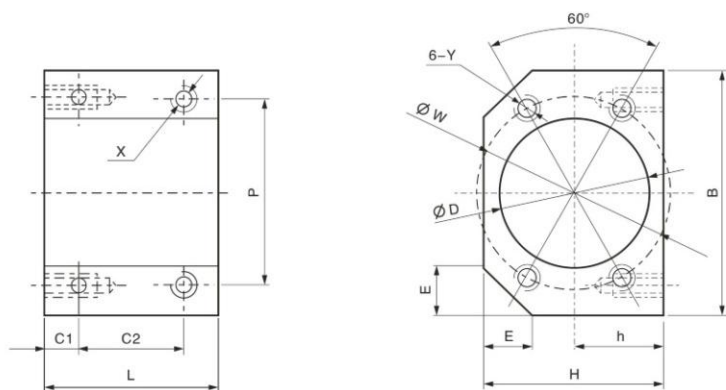
备注: 有标注 ★ 记号者可制作左螺纹 Note: with sign ★ can produce left helix

DSG 螺母座



Parca No	Somun	D	B	H	h	E	L	C1	C2	P	X	W	Y
DSG12H	1204	22.1 24.1	50	35	15	/	36	6	24	35	M5	32	M4
DSG16H	1605	28	52	40	20	12	40	8	24	40	M5	38	M5
DSG20H	2005	36	62	44	22	12	40	8	24	48	M6	47	M6
DSG25H	2505	40	66	48	24	13	40	8	24	50	M6	51	M6
DSG32H	3205	50	86	62	31	17	40	8	24	66	M8	65	M8
DSG40H	4005	63	100	70	35	19	40	8	24	80	M8	78	M8
DSG50H	5010	75	116	85	42.5	22	46	10	26	92	M8	93	M8

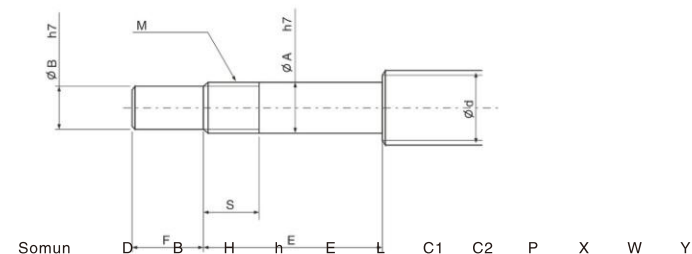
BSG 螺母座



Parca No	Somun	D	B	H	h	E	L	C1	C2	P	X	W	Y
BSG1616	1616	32	55	40	20	6	27	6	15	45	M4	42	M4
BSG2020	2020	39	66	47	23.5	8	35	7	20	56	M5	50	M5
BSG2525	2525	47	80	55	27.5	9	34	7.5	20	68	M6	60	M6
BSG3232	3232	58	95	66	33	10	55	10	35	82	M8	74	M8

Recommended Shaft End Shape

建议轴端尺寸 (固定端)—BK.FK.EK

For Support Unit Type BK and FK and EK
Fixed Side

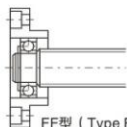
Support Unit model No.	Ball Screw shaft OD	Shaft Support Portion OD						单位 (Unit): mm	
型 号	滚珠丝杠轴外径	轴承部轴外径						公称螺纹 Metric screw thread	
BK 型 (Type BK)	d	A	B	E	F			M	S
BK 10	12/14/15	10	8	36	15			M10X1	16
BK 12	14/15/16	12	10	36	15			M12X1	14
BK 15	18/20	15	12	40	20			M15X1	12
BK 17	20/25	17	15	53	23			M17X1	17
BK 20	25/28	20	17	53	25			M20X1	15
BK 25	32/36	25	20	65	30			M25X1.5	18
BK 30	36/40	30	25	72	38			M30X1.5	25
BK 35	45	35	30	81	45			M35X1.5	28
BK 40	50	40	35	93	50			M40X1.5	35

Support Unit model No.	Ball Screw shaft OD	Shaft Support Portion OD						单位 (Unit): mm	
型 号	滚珠丝杠轴外径	轴承部轴外径						公称螺纹 Metric screw thread	
FK (Type BK)	EK (Type EK)	d	A	B	E	F		M	S
FK 6	EK 6	8	6	4	28	8		M6X0.75	8
FK 8	EK 8	10/12	8	6	32	9		M8X1	10
FK 10	EK 10	12/14/15	10	8	36	15		M10X1	11
FK 12	EK 12	14/15/16	12	10	36	15		M12X1	11
FK 15	EK 15	18/20	15	12	47	20		M15X1	13
FK 20	EK 20	25/28/30	20	17	62	25		M20X1	17
FK 25	-	30/32/36	25	20	76	30		M25X1.5	20
FK 30	-	36/40	30	25	72	38		M30X1.5	25

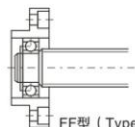
Recommended Shaft End Shape

建议轴端尺寸 (支持端) — FF.EF.BF

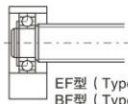
For Support Unit Types FF and EF and BF (Floated Side)



FF型 (Type FF)



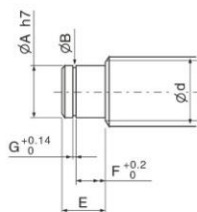
FF型 (Type FF)



EF型 (Type EF)
BF型 (Type BF)

单位 (Unit): mm

Support Unit model No.			Ball Screw shaft OD	Shaft Support Portion OD
型 号			滚珠丝杠轴外径	轴承部轴外径
FF型 (Type FF)	EF型 (Type EF)	BF型 (Type BF)	d	A
FF 10	EF 10	BF 10	12/14/15	8
FF 12	EF 12	BF 12	14/15/16	10
FF 15	EF 15	BF 15	18/20	15
FF 17	-	BF 17	20/25	17
FF 20	EF 20	(BF20) 注NOTE	25/28/30	20
FF 25	-	BF 25	30/32/36	25
FF 30	-	BF 30	36/40	30
-	-	BF 35	40/45	35
-	-	BF 40	50	40



(注)

尺寸表中的 () 尺寸表示BF20的尺寸。它与FF20及EF20的尺寸不同, 因此订货时请务必告知所使用的支撑单元型号。

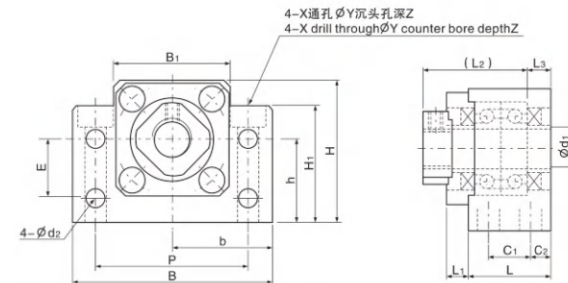
Note:
In this table, dimensions in parentheses are those of type BF20. These dimensions differ from those of type FF20 and EF20. When placing an order, always specify the model number of the Support Unit to be used.

单位 (Unit): mm

型 号		滚珠丝杠轴外径	轴承部轴外径
E	B	F	G
10	7.6	7	0.9
11	9.6	8	1.15
13	14.3	9	1.15
16	16.2	12	1.15
19(16)	19	14(12)	1.35
20	23.9	15	1.35
21	28.6	16	1.75
22	33	17	1.75
23	38	18	1.75

BK 丝杠支撑座

固定端 Fixed Side

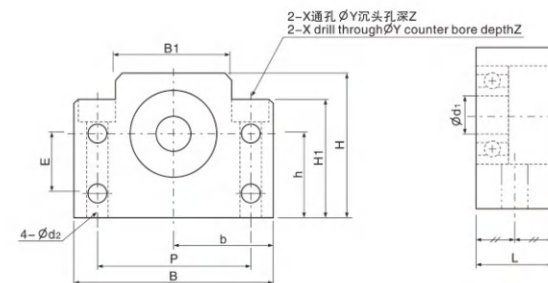


单位 (Unit): mm

公称型号 Model No.	d ₁	L	L ₁	L ₂	L ₃	C ₁	C ₂	B	H	b ^{+0.02} _h	B ₁	H ₁	E	P	d ₂	X	Y	Z	
BK 10	10	25	5	29	5	13	6	60	39	30	22	34	32.5	15	46	5.5	6.6	10.8	5
BK 12	12	25	5	29	5	13	6	60	43	30	25	34	32.5	18	46	5.5	6.6	10.8	1.5
BK 15	15	27	6	32	6	15	6	70	48	35	28	40	38	18	54	5.5	6.6	11	6.5
BK 17	17	35	9	44	7	19	8	86	64	43	39	50	55	28	68	6.6	9	14	8.5
BK 20	20	35	8	43	8	19	8	88	60	44	34	52	50	22	70	6.6	9	14	8.5
BK 25	25	42	12	54	9	22	10	106	80	53	48	64	70	33	85	9	11	17.5	11
BK 30	30	45	14	61	9	23	11	128	89	64	51	76	78	33	102	11	14	20	13
BK 35	35	50	14	67	12	26	12	140	96	70	52	88	79	35	114	11	14	20	13
BK 40	40	61	18	76	15	33	14	160	110	80	60	100	90	37	130	14	18	26	17.5

BF

支持端 Floated Side

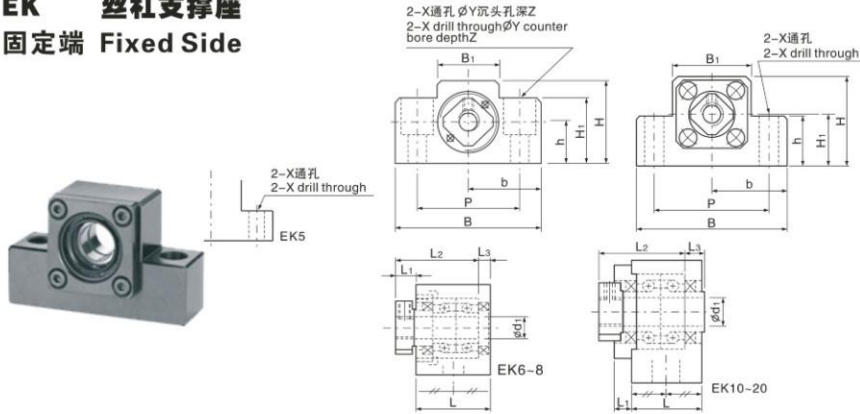


单位 (Unit): mm

公称型号 Model No.	d ₁	L	B	H	^{+0.02} b	^{+0.02} h	B ₁	H ₁	E	P	d ₂	X	Y	Z
BF 10	8	20	60	39	30	22	34	32.5	15	46	5.5	6.6	10.8	5
BF 12	10	20	60	43	30	25	34	32.5	18	46	5.5	6.6	10.8	1.5
BF 15	15	20	70	48	35	28	40	38	18	54	5.5	6.6	11	6.5
BF 17	17	23	86	64	43	39	50	55	28	68	6.6	9	14	8.5
BF 20	20	26	88	60	44	34	52	50	22	70	6.6	9	14	8.5
BF 25	25	30	106	80	53	48	64	70	33	85	9	11	17.5	11
BF 30	30	32	128	89	64	51	76	78	33	102	11	14	20	13
BF 35	35	32	140	96	70	52	88	79	35	114	11	14	20	13
BF 40	40	37	160	110	80	60	100	90	37	130	14	18	26	17.5

EK 丝杠支撑座 固定端 Fixed Side

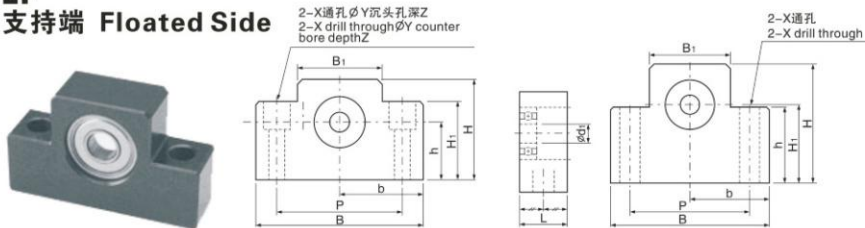
线性导轨



单位 (Unit):mm

公称型号 Model No.	d ₁	L	L ₁	L ₂	L ₃	B	H	b ^{±0.02}	h ^{±0.02}	B ₁	H ₁	P	X	Y	Z
EK 5	5	16.5	5.5	18.5	3.5	36	21	18	11	20	8	28	4.5	-	-
EK 6	6	20	5.5	22	3.5	42	25	21	13	18	20	30	4.5	9.5	11
EK 8	8	23	7	26	4	52	32	26	17	25	26	38	6.6	11	12
EK 10	10	24	6	29.5	6	70	43	35	25	36	24	52	9	-	-
EK 12	12	24	6	29.5	6	70	43	35	25	36	24	52	9	-	-
EK 15	15	25	6	35	5	80	49	40	30	41	25	60	11	-	-
EK 20	20	42	10	50	10	95	58	47.5	30	56	25	75	11	-	-

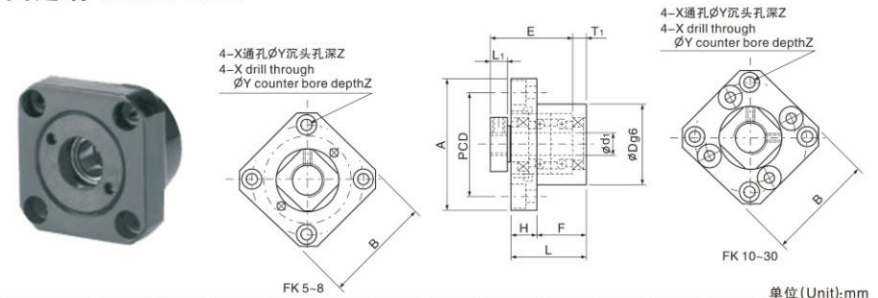
EF 支持端 Floated Side



单位 (Unit):mm

公称型号 Model No.	d ₁	L	B	H	b ^{±0.02}	h ^{±0.02}	B ₁	H ₁	P	X	Y	Z
EF 6	6	12	42	25	21	13	18	20	30	5.5	9.5	11
EF 8	6	14	52	32	26	17	25	26	38	6.6	11	12
EF 10	8	20	70	43	35	25	36	24	52	9	-	-
EF 12	10	20	70	43	35	25	36	24	52	9	-	-
EF 15	15	20	80	49	40	30	41	25	60	9	-	-
EF 20	20	26	95	58	47.5	30	56	25	72	11	-	-

FK 固定端 Fixed Side



单位 (Unit):mm

公称型号 Model No.	d ₁	L	H	F	E	Dg6	A	PCD	B	L ₁	T ₁	X	Y	Z
FK 5	5	16.5	6	10.5	18.5	20	34	26	26	5.5	3.5	3.4	6.5	4
FK 6	6	20	7	13	22	22	36	28	28	5.5	3.5	3.4	6.5	4
FK 8	8	23	9	14	26	28	43	35	35	7	4	3.4	6.5	4
FK 10	10	27	10	17	29.5	34	52	42	42	7.5	5	4.5	8	4
FK 12	12	27	10	17	29.5	36	54	44	44	7.5	5	4.5	8	4
FK 15	15	32	15	17	36	40	63	50	52	10	6	5.5	9.5	6
FK 20	20	52	22	30	50	57	86	70	68	8	10	6.5	11	10
FK 25	25	57	27	30	60	63	98	80	79	13	10	9	15	13
FK 30	30	62	30	32	61	75	117	95	93	11	12	11	17.5	15

FF 支持端 Floated Side



单位 (Unit):mm

公称型号 Model No.	d ₁	L	H	F	Dg6	A	PCD	B	X	Y	Z
FF 6	6	10	6	4	22	36	28	28	3.4	6.5	4
FF 10	8	12	7	5	28	43	35	35	3.4	6.5	4
FF 12	10	15	7	8	34	52	42	42	4.5	8	4
FF 15	15	17	9	8	40	63	50	52	5.5	9.5	5.5
FF 20	20	20	11	9	57	85	70	68	6.6	11	6.5
FF 25	25	24	14	10	63	98	80	79	9	14	8.5
FF 30	30	27	18	9	75	117	95	93	11	17.5	11

圆柱直线导轨（光轴）系列

Cylinder linear rail series

线性导轨

主要用途:

直线轴在自动传动装置上有广泛运用, 诸如工业机器人、自动记录仪、计算机、精密打印机、特殊气缸泵、自动塑木机等工业自动化机器。同时由于他的坚硬, 还可延长普通精密仪器的使用寿命。

材料: Gcr15

硬度: HRC62±2

精度: g6-g5

粗糙度: Ra0.4~0.8

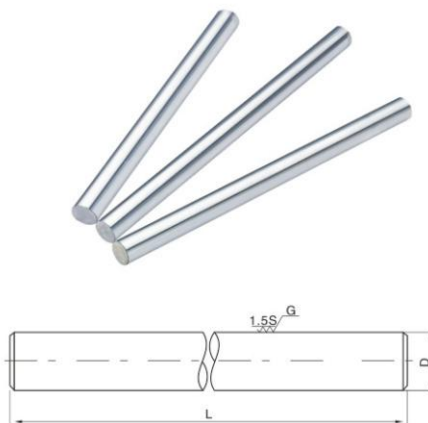
硬带深度: 0.8mm~3mm

整支长度: 1000mm~7000mm

直线度: 100mm不超过5μm

圆度: 不超过0.003mm

标准型 S: 镀铬型 As: 不锈钢



直径 (mm)	型 号		精度 (μ m)	标准长度 (mm)																								有效条 件硬带	重量 (kg/m)
	WC (WCAS)	WCS	g6	100	200	300	400	500	600	700	800	900	1000	1200	1500	1800	2000	2500	3000	3500	4000	5000	6000						
3	WC3	WCS3	-2 ~ -8																								0.06		
4	WC4	WCS4																									0.10		
5	WC5	WCS5	-4 ~ -12																								0.15		
6	WC6	WCS6																									0.23		
8	WC8	WCS8																									0.40		
10	WC10	WCS10	-5 ~ -14																								0.62		
12	WC12	WCS12																									0.89		
13	WC13	WCS13	-6 ~ -17																								1.04		
16	WC16	WCS16																									1.58		
20	WC20	WCS20																									2.47		
25	WC25	WCS25	-7 ~ -20																								3.85		
30	WC30	WCS30																									5.55		
35	WC35	WCS35																									7.55		
40	WC40	WCS40	-9 ~ -25																								9.87		
50	WC50	WCS50																									15.4		
60	WC60	WCS60																									22.2		
80	WC80	WCS80	-10 ~ -29																								39.5		
100	WC100	WCS100																									61.7		
120	WC120	WCS120	-12 ~ -34																								88.8		
150	WC150	WCS150	-14 ~ -39																								139.0		

注: 1、带颜色 ■ 的厂方可以提供各规格的长度。 2、厂方可提供45#碳钢、20CrMo、40CrMo等材料的产品。

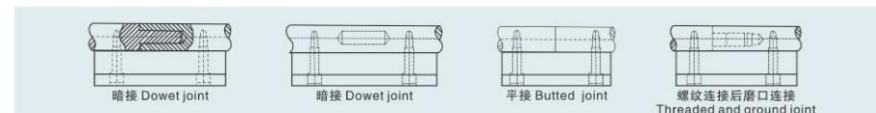
>>> 轴的特殊加工 Spectal Machining for Shaft

我公司可为您提供直径Φ5mm~Φ150mm, 最大长度可达6000mm的各种直线轴。

1.当您在长度上有特殊要求时, 我公司可满足不同长度的加工要求, 当您要求长度大于6000mm时, 我们还可以为您对接。(见图a)

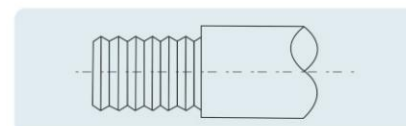
We can offer linear shaft with diameter Φ5 mm~Φ150mm, maximum length up to 6000mm.

1. When you are special requirements on length, we can meet your machining requirements with different length; when you request above 6000mm, we can anti-connect for you. (shown in Fig a)

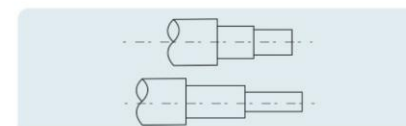


2. 当您对轴有特殊的加工要求时, 如车螺纹、车端头打孔、铣键槽、径向打孔、车阶梯轴等。我们都可以为您提供加工, 并且这些特殊加工是在热处理镀铬后完成的, 因此保证了产品的精度。请把草图或对产品的询价及特殊加工要求告诉我们, 我们的服务会令您满意的。

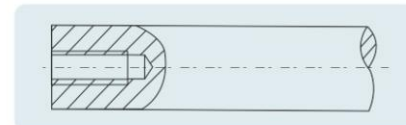
2. When you are special requirements on machining, such as threading, coaxial holes drilled and tapped, radial holes drilled and tapped, reduced shaft diameter etc, we can machine for you, and these special machines are finished after heat treatment and hard chromic so that ensure the precision of product. send us your detailed sketch or blue print for prompt quotation and action. you should be satisfied with our service.



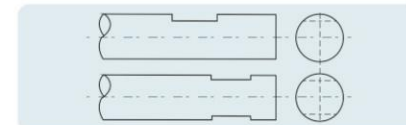
车螺纹 THREADING



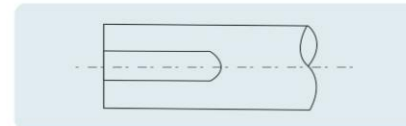
车阶梯轴 REDUCED SHAFT DIAMETER



轴端打孔 COAXIAL HOLES DRILLED AND TAPPED



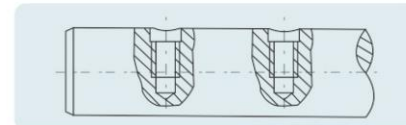
铣槽-单槽或多槽 FLATS-SINGLE OR MULTIPLE



铣键槽 KEY WAY



车卡环槽 SNAP RING GROOVES



径向打孔 RADIAL HOLES DRILLED AND TAPPED

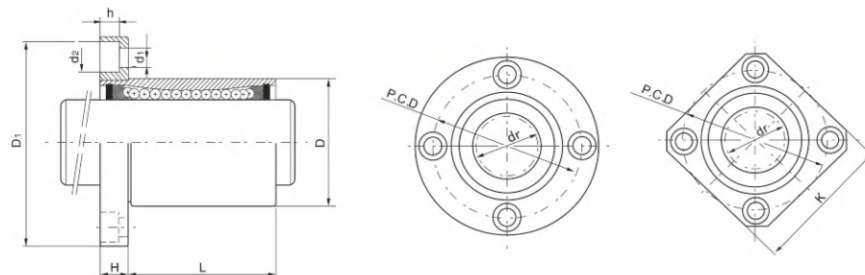


车倒角 CHAMFERING

法兰直线轴承系列

Flange linear bearing series

LMF...UU LMK...UU



SI UNIT: 1N=0.102kgf 单位:mm
国际单位: 1N=0.102kgf Unit:mm

轴承型号 Designation			内径 Inscribed circle diameter		外径 Outer diameter		长度 Length		法兰直径 Flange diameter	
LMF...UU	球列数 Ball circuit	重量 Weight(g)	dr	公差 Tolerance	D	公差 Tolerance	L	公差 Tolerance	D1	公差 Tolerance
LMF6UU	4	26.5	6	0 -0.009	12	0	19	0 -0.2	28	0 -0.2
LMF8UU	4	34	8		15	-0.011	17		32	
LMF8UU	4	40	8		15		24		32	
LMF10UU	4	78	10		19		29		40	
LMF12UU	4	76	12		21	0	30		42	
LMF13UU	4	94	13	0 -0.010	23	-0.013	32	0 -0.3	43	0 -0.3
LMF16UU	5	134	16		28		37		48	
LMF20UU	5	180	20		32	0	42		54	
LMF25UU	6	340	25		40	-0.016	59		62	
LMF30UU	6	460	30		45		64		74	
LMF35UU	6	795	35	0 -0.012	52	0	70	0 -0.3	82	0 -0.3
LMF40UU	6	1054	40		60	-0.019	80		96	
LMF50UU	6	2200	50		80		100		116	
LMF60UU	6	2960	60		90	-0.022	110		134	

注：本公司法兰直线轴承采用螺纹联接，螺纹标准按GB964-67执行，这种结构除了具有标准型外，还可以根据不同的要求进行组装，方便易行，使法兰与轴承具有广泛的互换性。

轴承型号 Designation			内径 Inscribed circle diameter		外径 Outer diameter		长度 Length		法兰直径 Flange diameter	
LMK...UU	球列数 Ball circuit	重量 Weight(g)	dr	公差 Tolerance	D	公差 Tolerance	L	公差 Tolerance	D1	公差 Tolerance
LMK6UU	4	18.5	6	0 -0.009	12	0	19	0 -0.2	28	0 -0.2
LMK8SUU	4	23	8		15	-0.011	17		32	
LMK8UU	4	29	8		15		24		32	
LMK10UU	4	61	10		19		29		40	
LMK12UU	4	56	12		21	0	30		42	
LMK13UU	4	75	13	0 -0.010	23	-0.013	32	0 -0.3	43	0 -0.3
LMK16UU	5	104	16		28		37		48	
LMK20UU	5	145	20		32	0	42		54	
LMK25UU	6	300	25		40	-0.016	59		62	
LMK30UU	6	375	30		45		64		74	
LMK35UU	6	692	35	0 -0.012	52	0	70	0 -0.3	82	0 -0.3
LMK40UU	6	864	40		60	-0.019	80		96	
LMK50UU	6	2020	50		80		100		116	
LMK60UU	6	2520	60		90	-0.022	110		134	

H	P.C.D	联接孔 Hole for attachment d1XdrXh	法兰的角度公差 Angular Radial tolerance of flange μm	偏心度 Eccentricity (max) μm	径向间隙公差 Radial clearance tolerance	基本承载率 Basic load rating		型号 Model No.
						CN	CoN	
5	20	3.4X6.5X3.3	12	12	-5	21	27	LMF6UU
5	24	3.4X6.5X3.3	12	12	-5	18	23	LMF8SUU
5	24	3.4X6.5X3.3	12	12	-5	27	41	LMF8UU
6	29	4.5X8X4.4	12	12	-5	38	56	LMF10UU
6	32	4.5X8X4.4	12	12	-5	42	61	LMF12UU
6	33	4.5X8X4.4	12	12	-7	52	79	LMF13UU
6	38	4.5X8X4.4	12	12	-7	79	120	LMF16UU
8	43	5.5X9.5X5.4	15	15	-9	88	140	LMF20UU
8	51	5.5X9.5X5.4	15	15	-9	100	160	LMF25UU
10	60	6.6X11X6.5	15	15	-9	160	280	LMF30UU
10	67	6.6X11X6.5	20	20	-13	170	320	LMF35UU
13	78	9X14X8.6	20	20	-13	220	410	LMF40UU
13	98	9X14X8.6	20	20	-13	390	810	LMF50UU
18	112	11X17.5X10.8	25	25	-13	480	1020	LMF60UU

K	H	P.C.D	联接孔 Hole for attachment d1XdrXh	法兰的角度公差 Angular Radial tolerance of flange μm	偏心度 Eccentricity (max) μm	径向间隙公差 Radial clearance tolerance	基本承载率 Basic load rating		型号 Model No.
							CN	CoN	
22	5	20	3.4X6.5X3.3	12	12	-5	21	27	LMK6UU
25	5	24	3.4X6.5X3.3	12	12	-5	18	23	LMK8SUU
25	5	24	3.4X6.5X3.3	12	12	-5	27	41	LMK8UU
30	6	29	4.5X8X4.4	12	12	-5	38	56	LMK10UU
32	6	32	4.5X8X4.4	12	12	-5	42	61	LMK12UU
34	6	33	4.5X8X4.4	12	12	-7	52	79	LMK13UU
37	6	38	4.5X8X4.4	12	12	-7	79	120	LMK16UU
42	8	43	5.5X9.5X5.4	15	15	-9	88	140	LMK20UU
50	8	51	5.5X9.5X5.4	15	15	-9	100	160	LMK25UU
58	10	60	6.6X11X6.5	15	15	-9	160	280	LMK30UU
64	10	67	6.6X11X6.5	20	20	-13	170	320	LMK35UU
75	13	78	9X14X8.6	20	20	-13	220	410	LMK40UU
92	13	98	9X14X8.6	20	20	-13	390	810	LMK50UU
106	18	112	11X17.5X10.8	25	25	-13	480	1020	LMK60UU

法兰直线轴承系列

Flange linear bearing series

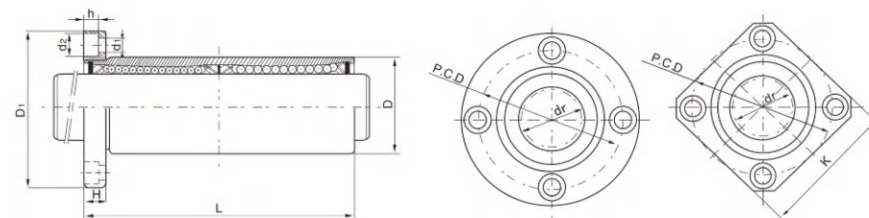
LMF...LUU LMK...LUU

线性导轨



法兰直线轴承系列

Flange linear bearing series



SI UNIT: 1N=0.102kgf 单位:mm
国际单位: 1N=0.102kgf Unit:mm

轴承型号 Designation			内径 Inscribed circle diameter		外径 Outer diameter		长度 Length		法兰直径 Flange diameter	
LMF...UU	球列数 Ball circuit	重量 Weight(g)	dr	公差 Tolerance	D	公差 Tolerance	L	公差 Tolerance	D1	公差 Tolerance
LMF6LUU	4	32	6	0 -0.010	12	0	35	0 -0.3	28	0 -0.2
LMF8LUU	4	53	8		15	-0.013	45		32	
LMF10LUU	4	105	10		19	0	55		40	
LMF12LUU	4	100	12		21	-0.016	57		42	
LMF13LUU	4	130	13		23	0	61		43	
LMF16LUU	5	187	16	0 -0.012	28	0	70	0 -0.4	48	0 -0.3
LMF20LUU	5	260	20		32	-0.019	80		54	
LMF25LUU	6	515	25		40	0	112		62	
LMF30LUU	6	655	30		45	-0.022	123		74	
LMF35LUU	6	970	35		52	0	135		82	
LMF40LUU	6	1560	40	0 -0.015	60	0	154	0 -0.3	96	0 -0.3
LMF50LUU	6	3500	50		80	-0.025	192		116	
LMF60LUU	6	4500	60		90	0	211		134	

H	P.C.D	联接孔 Hole for attachment d1XdxH	法兰的角度公差 Angular Radial tolerance of flange μm	偏心度 Eccentricity (max) μm	径向间隙公差 Radial clearance tolerance	基本承载率 Basic load rating		型号 Model No.
						CN	CoN	
5	20	3.4X6.5X3.3	15	15	-5	324	529	LMF6LUU
5	24	3.4X6.5X3.3	15	15	-5	431	784	LMF8LUU
6	29	4.5X8X4.4	15	15	-5	588	1100	LMF10LUU
6	32	4.5X8X4.4	15	15	-5	657	1200	LMF12LUU
6	33	4.5X8X4.4	15	15	-7	814	1570	LMF13LUU
6	38	4.5X8X4.4	15	15	-7	1230	2350	LMF16LUU
8	43	5.5X9.5X5.4	20	20	-9	1400	2750	LMF20LUU
8	51	5.5X9.5X5.4	20	20	-9	1560	3140	LMF25LUU
10	60	6.6X11X6.5	20	20	-9	2490	5490	LMF30LUU
10	67	6.6X11X6.5	25	25	-13	2650	6270	LMF35LUU
13	78	9X14X8.6	25	25	-13	3430	8040	LMF40LUU
13	98	9X14X8.6	25	25	-13	6080	15900	LMF50LUU
18	112	11X17.5X10.8	25	25	-13	7650	20000	LMF60LUU

轴承型号 Designation			内径 Inscribed circle diameter		外径 Outer diameter		长度 Length		法兰直径 Flange diameter	
LMK...UU	球列数 Ball circuit	重量 Weight(g)	dr	公差 Tolerance	D	公差 Tolerance	L	公差 Tolerance	D1	公差 Tolerance
LMK6LUU	4	26	6	0 -0.010	12	0	35	0 -0.3	28	0 -0.2
LMK8LUU	4	46	8		15	-0.013	45		32	
LMK10LUU	4	88	10		19	0	55		40	
LMK12LUU	4	82	12		21	-0.016	57		42	
LMK13LUU	4	108	13		23	0	61		43	
LMK16LUU	5	160	16	0 -0.012	28	0	70	0 -0.4	48	0 -0.3
LMK20LUU	5	230	20		32	-0.019	80		54	
LMK25LUU	6	475	25		40	0	112		62	
LMK30LUU	6	575	30		45	-0.022	123		74	
LMK35LUU	6	870	35		52	0	135		82	
LMK40LUU	6	1380	40	0 -0.015	60	0	154	0 -0.3	96	0 -0.3
LMK50LUU	6	3300	50		80	-0.025	192		116	
LMK60LUU	6	4060	60		90	0	211		134	

K	H	P.C.D	联接孔 Hole for attachment d1XdxH	法兰的角度公差 Angular Radial tolerance of flange μm	偏心度 Eccentricity (max) μm	径向间隙公差 Radial clearance tolerance	基本承载率 Basic load rating		型号 Model No.
							CN	CoN	
22	5	20	3.4X6.5X3.3	15	15	-5	324	529	LMK6LUU
25	5	24	3.4X6.5X3.3	15	15	-5	431	784	LMK8LUU
30	6	29	4.5X8X4.4	15	15	-5	588	1100	LMK10LUU
32	6	32	4.5X8X4.4	15	15	-5	657	1200	LMK12LUU
34	6	33	4.5X8X4.4	15	15	-7	814	1570	LMK13LUU
37	6	38	4.5X8X4.4	15	15	-7	1230	2350	LMK16LUU
42	8	43	5.5X9.5X5.4	20	20	-9	1400	2750	LMK20LUU
50	8	51	5.5X9.5X5.4	20	20	-9	1560	3140	LMK25LUU
58	10	60	6.6X11X6.5	20	20	-9	2490	5490	LMK30LUU
64	10	67	6.6X11X6.5	25	25	-13	2650	6270	LMK35LUU
75	13	78	9X14X8.6	25	25	-13	3430	8040	LMK40LUU
92	13	98	9X14X8.6	25	25	-13	6080	15900	LMK50LUU
106	18	112	11X17.5X10.8	25	25	-13	7650	20000	LMK60LUU

法兰直线轴承系列

Flange linear bearing series

LMH...UU



轴承型号 Designation			内径 Inscribed circle diameter		外径 Outer diameter		长度 Length		法兰直径 Flange diameter	
LMF...UU	球列数 Ball circuit	重量 Weight(g)	dr	公差 Tolerance	D	公差 Tolerance	L	公差 Tolerance	D1	公差 Tolerance
LMH6UU	4	21	6	0 -0.009	12	0	19	0 -0.2	28	0 -0.2
LMH8UU	4	33	8		15	-0.011	24		32	
LMH10UU	4	64	10		19	0	29		40	
LMH12UU	4	68	12		21	0	30		42	
LMH13UU	4	81	13		23	-0.013	32		43	
LMH16UU	5	112	16	0 -0.010	28	0	37	0 -0.3	48	0 -0.2
LMH20UU	5	167	20		32	0	42		54	
LMH25UU	6	325	25		40	0	59		62	
LMH30UU	6	388	30		45	-0.016	64		74	

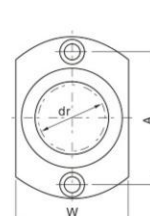
LMH...LUU



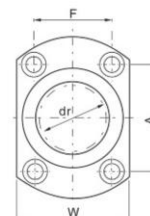
轴承型号 Designation			内径 Inscribed circle diameter		外径 Outer diameter		长度 Length		法兰直径 Flange diameter	
LMH...LUU	球列数 Ball circuit	重量 Weight(g)	dr	公差 Tolerance	D	公差 Tolerance	L	公差 Tolerance	D1	公差 Tolerance
LMH6LUU	4	27	6	0 -0.010	12	0	35	0 -0.3	28	0 -0.2
LMH8LUU	4	46	8		15	-0.013	45		32	
LMH10LUU	4	91	10		19	0	55		40	
LMH12LUU	4	92	12		21	0	57		42	
LMH13LUU	4	117	13		23	-0.016	61		43	
LMH16LUU	5	165	16	0 -0.012	28	0	70	0 -0.4	48	0 -0.2
LMH20LUU	5	247	20		32	0	80		54	
LMH25LUU	6	500	25		40	-0.019	112		62	
LMH30LUU	6	583	30		45	0	123		74	

法兰直线轴承系列

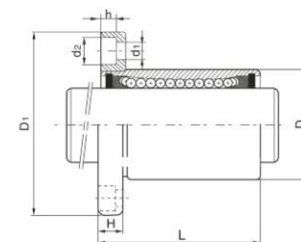
Flange linear bearing series



LMH13或更小

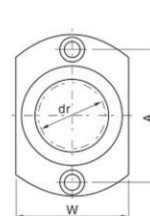


LMH16或更小

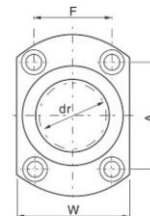


SI UNIT: 1N=0.102kgf 单位:mm
国际单位: 1N=0.102kgf Unit:mm

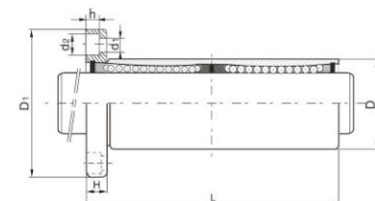
W	H	A	F	联接孔 Hole for attachment d1Xd2Xh	法兰的角度公差 Angular Radial tolerance of flange μm	偏心度 Eccentricity (max) μm	径向间隙公差 Radial clearance tolerance	基本承载率 Basic load rating		型号 Model No.
								CN	CoN	
18	5	20	-	3.4X6.5X3.3	12	12	-5	21	27	LMH6UU
21	5	24	-	3.4X6.5X3.3	12	12	-5	27	41	LMH8UU
25	6	29	-	4.5X8X4.4	12	12	-5	38	56	LMH10UU
27	6	32	-	4.5X8X4.4	12	12	-5	42	61	LMH12UU
29	6	33	-	4.5X8X4.4	12	12	-7	52	79	LMH13UU
34	6	31	22	4.5X8X4.4	12	12	-7	79	120	LMH16UU
38	8	36	24	5.5X9.5X5.4	15	15	-9	88	140	LMH20UU
46	8	40	32	5.5X9.5X5.4	15	15	-9	100	160	LMH25UU
51	10	49	35	6.6X11X6.5	15	15	-9	160	280	LMH30UU



LMH13或更小



LMH16或更小



SI UNIT: 1N=0.102kgf 单位:mm
国际单位: 1N=0.102kgf Unit:mm

W	H	A	F	联接孔 Hole for attachment d1Xd2Xh	法兰的角度公差 Angular Radial tolerance of flange μm	偏心度 Eccentricity (max) μm	径向间隙公差 Radial clearance tolerance	基本承载率 Basic load rating		型号 Model No.
								CN	CoN	
18	5	20	-	3.4X6.5X3.3	15	15	-5	33	54	LMH6LUU
21	5	24	-	3.4X6.5X3.3	15	15	-5	44	80	LMH8LUU
25	6	29	-	4.5X8X4.4	15	15	-5	60	112	LMH10LUU
27	6	32	-	4.5X8X4.4	15	15	-5	67	122	LMH12LUU
29	6	33	-	4.5X8X4.4	15	15	-7	83	160	LMH13LUU
34	6	31	22	4.5X8X4.4	15	15	-7	125	240	LMH16LUU
38	8	36	24	5.5X9.5X5.4	20	20	-9	143	280	LMH20LUU
46	8	40	32	5.5X9.5X5.4	20	20	-9	159	320	LMH25LUU
51	10	49	35	6.6X11X6.5	20	20	-9	254	560	LMH30LUU