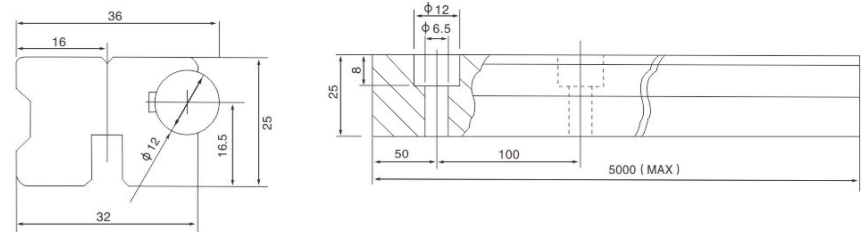
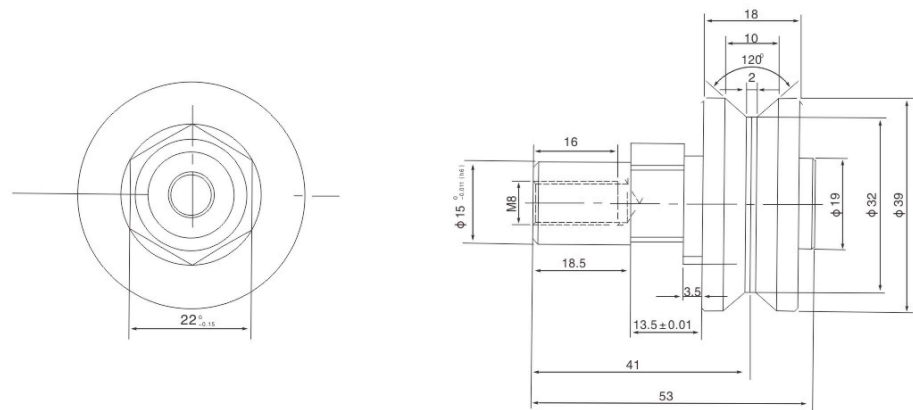


Single axis guideway TGD12



Roller bearing BD391518

Note: Roller bearings have two kinds of eccentric and non-eccentric eccentric adjustable clearance of 1.5mm.



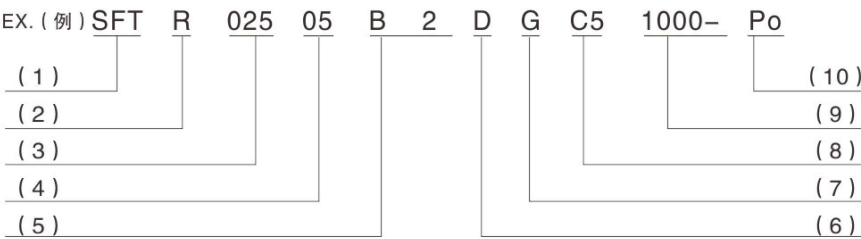
导轨 型号	滚轮轴 承型号	轴径	基本额定动载荷		基本额定静载荷		容许静力矩			重量	
			c (kgf)	c (kgf)	c (kgf)	c (kgf)	To (kgf-m)	Tx (kgf-m)	Ty (kgf-m)	滑块 Kg	轨道 kg/m
TGD12	BD391518	12	180	290	5.4	4.0	4.8	0.53			

BALL SCREW SERIES



滚珠丝杠的公称代码
Specification Number

标准精密组合品 Model-number coding



(1) 螺母型号 Nut type codes S: DIN规格螺母 DIN nut T: T型螺母 T type nut
S: 单螺母 Single nut F: 有法兰 With flange I: I型螺母 I type nut
D: 双螺母 Double nut C: 没法兰 Without flanges V: V型螺母 V type nut
(SFS、DFS、SFI、DFT、SFT、SFV、DFV、SFE、SFK、SBH、SCI) E: E型螺母 E type nut
K: K型螺母 K type nut
U: DIN规格螺母 DIN nut

(2) 螺母方向 Direction of helix R: 右 L: 左 R: Right L: Left

(3) 丝杠外径 (mm) Shaft dia. (Mm)

(4) 导程 (mm) Lead(Mm)

(5) 珠卷数 (卷数 X 列数) No.of Turn(Circuits)of Turn x Row
卷数: T: 1 A: 1.5 (or 1.7) B: 2.5 C: 3.5 例: (B2=2.5x2)

(6) 法兰型式 Flange type N: 无切边 S: 单切边 D(U): 双切边 N: Not cutting S: Single cutting D (U) : Double cutting

(7) 制程代号 Produce code G(P): 研磨 F(T): 制造 G(P): Grinding F (T) : Rolled

(8) 导程精度等级 Accuracy grade code C0、C1、C2、C3、C5、C7、C10 (C1、C2、C3、C4、C5、C7、C10)

(9) 丝杠轴全长 (mm) Overall length of shaft (mm)

(10) 轴方向间隙预压等级 Axial clearance and perload code P0、P1、P2、P3、P4

导程精度 (允许公差值)

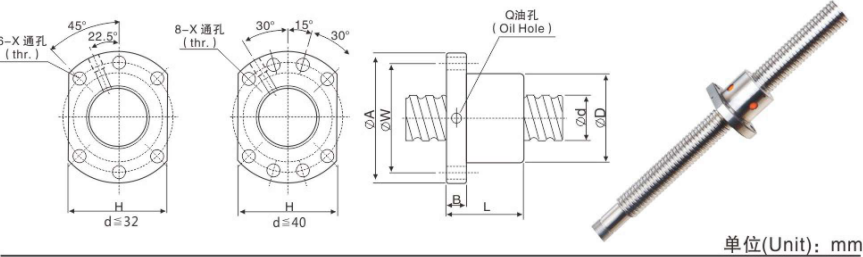
		精度丝杠										轧制丝杠		
精度等级		C0		C1		C2		C3		C5		C7	C8	C10
螺有效长度		累积代表导程误差	变动量	累积代表导程误差	变动量	累积代表导程误差	变动量	累积代表导程误差	变动量	累积代表导程误差	变动量	累积导程误差	累积导程误差	累积导程误差
超过	以下													
--	1001	3	3	3.5	5	5	7	8	8	18	18	±50 /300mm	±50 /300mm	±50 /300mm
100	200	3.5	3	4.5	5	7	7	10	8	20	18			
200	315	4	3.5	6	5	8	7	12	8	23	18			
315	400	5	3.5	7	5	9	7	13	10	25	20			
400	500	6	4	8	5	10	7	15	10	27	20			
500	630	6	4	9	6	11	8	16	12	30	23			
630	800	7	5	10	7	13	9	18	13	35	25			
800	1000	8	6	11	8	15	10	21	15	40	27			
1000	1250	9	6	13	9	18	11	24	16	46	30			
1250	1600	11	7	15	10	21	13	29	18	54	35			
1600	2000	/	/	18	11	25	15	35	21	65	40			
2000	2500	/	/	22	13	3	18	41	24	77	46			
2500	3150	/	/	26	15	36	21	50	29	93	54			
3150	4000	/	/	30	18	44	25	60	35	115	65			
4000	5000	/	/	/	/	52	30	72	41	140	77			
5000	6300	/	/	/	/	65	36	90	50	170	93			
6300														
8000														

螺纹300mm长时变动量允许值

精度等级	C0	C1	C2	C3	C5	C7	C8	C10
变动量/300mm	3.5	5	7	8	18	25	28	34
变动量/2π	3	4	5	6	8	10	12	14

滚珠丝杠副规格表
Specification table for ball screw set

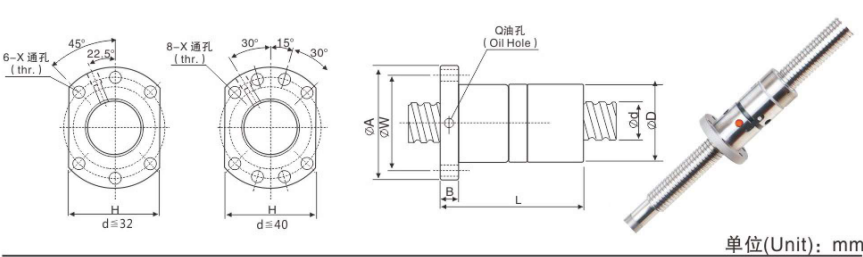
1、型式 (TYPE) : SFU(DIN 69051 Formolu B)



l: 导程 Lead Da: 珠经 Ball Dia. N: 珠圈数 Number of Circuite 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)

型号 Type	滚珠丝杠、螺母之基准数据 Dimensions														
	d	l	Da	D	A	B	L	W	X	H	Q	N	Ca	Coa	K
SFU1204-4	12	4	2.381	24	40	10	40	32	4.5	30		4	593	1129	12.5
SFU1604-4		4	2.381	28	48	10	40	38	5.5	40	M6	4	629	1270	35
SFU1605-3		5	3.175	28	48	10	43	38	5.5	40	M6	3	765	1240	17
SFU1605-4	16	5	3.175	28	48	10	50	38	5.5	40	M6	4	780	1790	20
SFU1610-3/2		10	3.175	28	48	10	47	38	5.5	40	M6	3	721	1249	15
SFU2005-3		5	3.175	36	58	10	43	47	6.5	44	M6	3	860	1710	22
SFU2005-4	20	5	3.175	36	58	10	51	47	6.6	44	M6	4	1130	2380	25
SFU2010-3/2		10	3.175	36	58	10	47	47	6.6	44	M6	3	830	1680	20
SFU2505-3		5	3.175	40	63	10	43	51	6.6	48	M6	3	980	2300	32
SFU2505-4	25	5	3.175	40	63	10	51	51	6.6	48	M6	4	1280	3110	35
SFU2510-4		10	4.762	40	63	12	85	51	6.6	48	M6	4	1944	3877	33
SFU2510-4/2		10	3.175	40	63	10	54	51	6.6	48	M6	4	1150	2950	30
SFU3205-4		5	3.175	50	81	12	52	65	9	62	M6	4	1450	4150	40
SFU3206-4	32	6	3.175	50	81	12	57	65	9	62	M6	4	1720	4298	47
SFU3210-4		10	6.350	50	81	14	90	65	9	62	M6	4	3390	7170	79
SFU4005-4		5	3.175	63	93	14	55	78	9	70	M8	4	1610	5330	49
SFU4010-4	40	10	6.350	63	93	14	93	78	9	70	M8	4	3910	9520	50
SFU5010-4	50	10	6.350	75	110	16	93	93	11	85	M8	4	4450	12500	65
SFU5020-4		20	7.144	75	110	16	138	93	11	85	M8	4	4644	14327	59.5
SFU6310-4	63	10	6.350	90	125	18	98	108	11	95	M8	4	5070	16600	80
SFU6320-4		20	9.525	95	135	20	149	115	13.5	100	M8	4	7573	23860	84.1
SFU8010-4		10	6.350	105	145	20	98	125	13.5	110	M8	4	5620	21300	90
SFU8010-6	80	10	6.350	105	145	22	118	125	13.5	110	M8	6	7810	31800	100
SFU8020-4		20	9.525	125	165	25	154	145	13.5	130	M8	4	8485	30895	84.1
SFU10020-4	100	20	9.525	150	202	30	180	170	17.5	155	M8	4	9420	39183	110.1

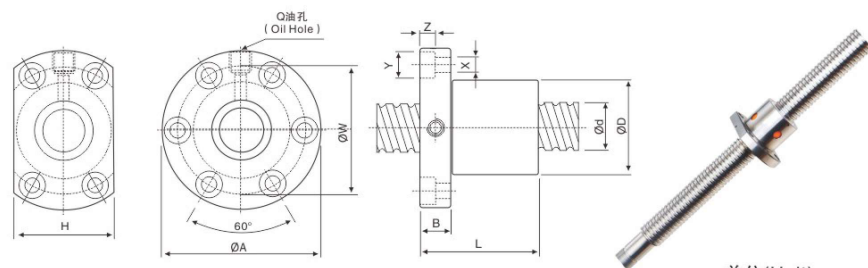
2、型式 (TYPE) : DFU(DIN 69051FORM B)



l: 导程 Lead Da: 珠经 Ball Dia. N: 珠圈数 Number of Circuite 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)

型号 Type	滚珠丝杠、螺母之基准数据 Dimensions														
	d	l	Da	D	A	B	L	W	X	H	Q	N	Ca	Coa	K
DFU1604-4		4	2.381	28	48	10	80	38	5.5	40	M6	4	629	1270	35
DFU1605-3		5	3.175	28	48	10	86	38	5.5	40	M6	3	765	1240	17
DFU1605-4	16	5	3.175	28	48	10	100	38	5.5	40	M6	4	780	1790	20
DFU1610-3/2		10	3.175	28	48	10	96	38	5.5	40	M6	3	721	1249	15
DFU2005-3		5	3.175	36	58	10	86	47	6.6	44	M6	3	860	1710	22
DFU2005-4	20	5	3.175	36	58	10	101	47	6.6	44	M6	4	1130	2380	25
DFU2010-3/2		10	3.175	36	58	10	96	47	6.6	44	M6	3	830	1680	20
DFU2505-3		5	3.175	40	63	10	86	51	6.6	48	M6	3	980	2300	32
DFU2505-4	25	5	3.175	40	63	10	101	51	6.6	48	M6	4	1280	3110	35
DFU2510-4		10	4.762	40	63	12	145	51	6.6	48	M6	4	1944	3877	33
DFU2510-4/2		10	3.175	40	63	10	103	51	6.6	48	M6	4	1150	2950	30
DFU3205-4		5	3.175	50	81	12	102	65	9	62	M6	4	1450	4150	40
DFU3206-4	32	6	3.175	50	81	12	105	65	9	62	M6	4	1720	4298	47
DFU3210-4		10	6.350	50	81	14	162	65	9	62	M6	4	3390	7170	79
DFU4005-4	40	5	3.175	63	93	14	105	78	9	70	M8	4	1610	5330	49
DFU4010-4		10	6.350	63	93	14	165	78	9	70	M8	4	3910	9520	50
DFU5010-4	50	10	6.350	75	110	16	171	93	11	85	M8	4	4450	12500	65
DFU5020-4		20	7.144	75	110	16	280	93	11	85	M8	4	4644	14327	59.5
DFU6310-4	63	10	6.350	90	125	18	182	108	11	95	M8	4	5070	16600	80
DFU6320-4		20	9.525	95	135	20	290	115	13.5	100	M8	4	7573	23860	84.1
DFU8010-4	80	10	6.350	105	145	20	182	125	13.5	110	M8	4	5620	21300	90
DFU8010-6		10	6.350	105	145	22	220	125	13.5	110	M8	6	7810	31800	100
DFU8020-4		20	9.525	125	165	25	295	145	13.5	130	M8	4	8485	30895	84.1
DFU10020-4	100	20	9.525	150	202	30	340	170	17.5	155	M8	4	9420	39183	300

3、型式 (TYPE) : SFI



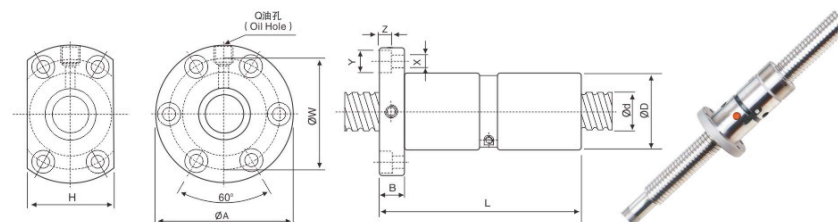
单位(Unit): mm

I: 导程 Lead Da: 珠径 Ball Dia. N: 珠圈数 Number of Circuite 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)

	型号 Type	滚珠丝杠、螺母之基准数据 Dimensions																
		d	l	Da	D	A	B	L	W	H	X	Y	Z	Q	N	Ca	Coa	K
★	SFI1604-4		4	2.381	30	49	10	45	39	34	4.5	8	4.5	M6	4	640	1340	16
★	SFI1605-3		5	3.175	30	49	10	43	39	34	4.5	8	4.5	M6	3	765	1240	17
★	SFI1605-4	16	5	3.175	30	49	10	50	39	34	4.5	8	4.5	M6	4	780	1790	20
★	SFI1610-3/2		10	3.175	34	58	10	47	45	34	5.5	9.5	5.5	M6	3	833	1249	15
★	SFI2005-3		5	3.175	34	58	10	43	45	40	5.5	9.5	5.5	M6	3	860	1710	22
	SFI2005-4	20	5	3.175	34	58	10	51	45	40	5.5	9.5	5.5	M6	4	1130	2380	25
★	SFI2010-3/2		10	3.175	34	58	10	47	45	40	5.5	9.5	5.5	M6	3	830	1680	20
	SFI2505-3		5	3.175	40	63	11	43	51	46	5.5	9.5	5.5	M6	3	980	2300	32
	SFI2505-4	25	5	3.175	40	63	10	51	51	46	5.5	9.5	5	M6	4	1280	3110	35
★	SFI2510-4/2		10	3.175	40	63	10	54	51	52	5.5	9.5	5.5	M6	4	1150	2950	30
★	SFI2510-4		10	4.762	40	72	12	85	58	52	6.5	11	6.5	M6	4	1944	3877	33
	SFI3205-4	32	5	3.175	46	72	12	52	58	52	6.5	11	6	M8	4	1450	4150	40
★	SFI3210-4		10	6.35	54	84	15	90	70	62	9	14	8.5	M8	4	3390	7170	40
★	SFI4005-4	40	5	3.175	56	93	15	55	72	64	9	14	8.5	M8	4	1610	5330	49
★	SFI4010-4		10	6.35	62	96	18	93	82	70	11	17.5	11	M8	4	3910	9520	50
★	SFI5010-4	50	10	6.35	72	113	18	93	92	82	11	17.5	11	M8	4	4450	12500	65
★	SFI6310-4	63	10	6.35	85	128	22	98	107	95	14	20	13	M8	4	5070	16600	80
★	SFI8010-4	80	10	6.35	105	148	22	98	125	115	14	20	15	M8	4	5620	21300	90
★	SFI8010-6		10	6.35	105	148	22	220	125	115	14	20	15	M8	6	7810	31800	100

★ Marked for customized nuts

4、型式 (TYPE) : DFI



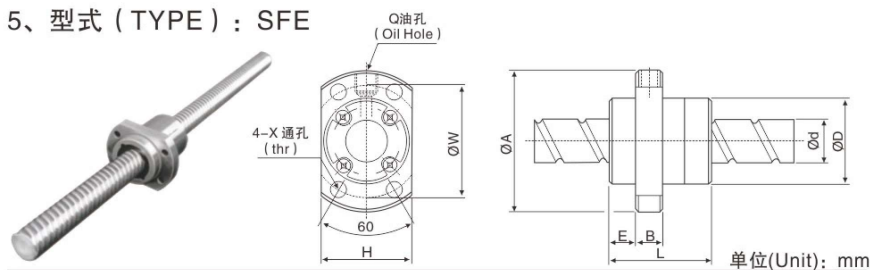
单位(Unit): mm

I: 导程 Lead Da: 珠径 Ball Dia. N: 珠圈数 Number of Circuite 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)

	型号 Type	滚珠丝杠、螺母之基准数据 Dimensions																
		d	l	Da	D	A	B	L	W	H	X	Y	Z	Q	N	Ca	Coa	K
★	DFI1604-4		4	2.381	30	49	10	80	39	34	4.5	8	4.5	M6	4	640	1340	35
★	DFI1605-3	16	5	3.175	30	49	10	86	39	34	4.5	8	4.5	M6	3	765	1240	17
★	DFI1605-4		5	3.175	30	49	10	100	39	34	4.5	8	4.5	M6	4	780	1790	36
	DFI1610-3/2		10	3.175	30	49	10	96	39	34	4.5	8	4.5	M6	3	833	1249	15
★	DFI2005-3		5	3.175	34	57	10	86	45	40	5.5	9.5	5.5	M6	3	860	1710	22
	DFI2005-4	20	5	3.175	34	57	10	101	45	40	5.5	9.5	5.5	M6	4	1130	2380	45
★	DFI2010-3/2		10	3.175	34	57	10	96	45	40	5.5	9.5	5.5	M6	3	760	1950	48
	DFI2505-3		5	3.175	40	63	10	86	51	46	5.5	9.5	5.5	M8	3	980	2300	32
★	DFI2505-4	25	5	3.175	40	63	11	101	51	46	5.5	9.5	5.5	M8	4	1280	3110	63
★	DFI2510-4/2		10	3.175	40	57	10	96	45	44	5.5	9.5	5.5	M6	3	830	1680	20
★	DFI2510-4		10	4.762	40	72	12	145	58	52	6.5	11	6.5	M6	4	1944	3877	65
★	DFI3205-4	32	5	3.175	46	72	12	102	58	52	6.5	11	6.5	M8	4	1450	4150	72
★	DFI3210-4		10	6.35	54	88	15	162	70	62	9	14	8.5	M8	4	3390	7170	72
★	DFI4005-4	40	5	3.175	56	90	15	105	72	64	9	14	8.5	M8	4	1610	5330	98
★	DFI4010-4		10	6.35	62	104	18	165	82	70	11	17.5	11	M8	4	3910	9520	90
★	DFI5010-4	50	10	6.35	72	114	18	171	92	82	11	17.5	11	M8	4	4450	12500	117
★	DFI6310-4	63	10	6.35	85	131	22	182	107	95	14	20	13	M8	4	5070	16600	114
★	DFI8010-4	80	10	6.35	105	148	22	182	125	115	14	20	15	M8	4	5620	21300	162
★	DFI8010-6		10	6.35	105	148	22	220	125	110	14	20	15	M8	6	7810	31800	100

★ Marked for customized nuts

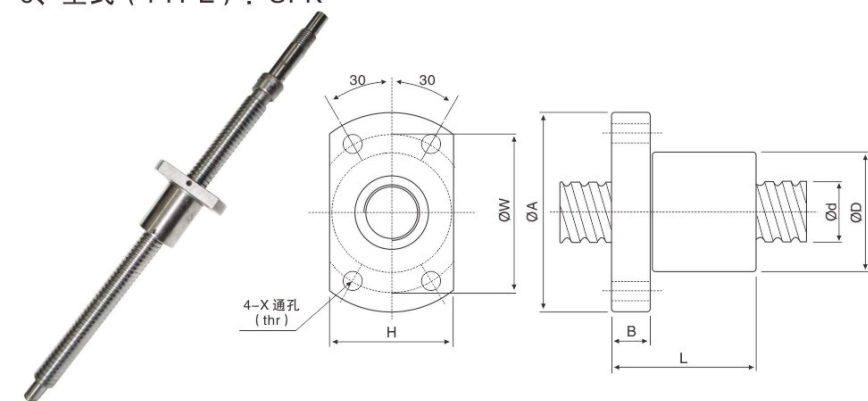
5、型式 (TYPE) : SFE



I: 导程 Lead Da: 珠径 Ball Dia. N: 珠圈数 Number of Circuite 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)

型号 Type	滚珠丝杠、螺母之基准数据 Dimensions															
	d	l	Da	D	A	E	B	L	X	W	H	Q	N	Ca	Coa	K
SFE1616-3	16	16	2.778	32	53	10.1	10	38	4.5	42	34	M6 1.7×2	650	1280	19	
SFE1616-6		16	2.778	32	53	10.1	10	38	4.5	42	34	M6 1.7×4	1180	2550	36	
SFE1632-3	16	32	3.175	34	55	10.5	10	34	5.5	45	36	M6 0.7×2	410	680	21	
SFE1632-6		32	3.175	34	55	10.5	10	34	5.5	45	36	M6 0.7×4	820	1360	41	
SFE2020-3	20	20	3.175	39	62	11.5	10	47	5.5	50	41	M6 1.7×2	980	2140	25	
SFE2020-6		20	3.175	39	62	11.5	10	47	5.5	50	41	M6 1.7×4	1780	4280	49	
SFE2040-3	20	40	3.175	38	58	11	10	41	5.5	48	40	M6 0.7×2	455	880	25	
SFE2040-6		40	3.175	38	58	11	10	41	5.5	48	40	M6 0.7×4	910	1760	49	
SFE2525-3		25	3.696	47	74	13	10	57	6.6	60	49	M6 1.7×2	1470	3350	31	
SFE2525-6	25	25	3.696	47	74	13	12	57	6.6	60	49	M6 1.7×4	2660	6690	60	
SFE2550-3		50	3.696	46	70	13	12	50	6.6	58	48	M6 0.7×2	685	1380	31	
SFE2550-6	25	50	3.696	46	70	13	12	50	6.6	58	48	M6 0.7×4	1370	2760	60	
SFE3232-3		32	4.762	58	92	16	12	71	9	74	60	M6 1.7×2	2140	5260	40	
SFE3232-6	32	32	4.762	58	92	16	12	71	9	74	60	M6 1.7×4	3890	10500	76	
SFE3264-3		64	4.762	58	92	15.5	12	62	9	74	60	M6 0.7×2	1000	2130	40	
SFE3264-6	32	64	4.762	58	92	15.5	12	62	9	74	60	M6 0.7×4	2000	4260	77	
SFE4040-3		40	6.350	73	114	19	15	89	11	93	75	M6 1.7×2	3410	8820	49	
SFE4040-6	40	40	6.350	73	114	19	15	89	11	93	75	M6 1.7×4	6200	17600	95	
SFE5050-3	50	50	7.938	90	135	21.5	20	107	14	112	92	M6 1.7×2	5100	13800	60	
SFE5050-6		50	7.938	90	135	21.5	20	107	14	112	92	M6 1.7×4	7260	27600	117	

6、型式 (TYPE) : SFK



单位(Unit): mm

I: 导程 Lead Da: 珠径 Ball Dia. N: 珠圈数 Number of Circuite 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)

型号 Type	滚珠丝杠、螺母之基准数据 Dimensions																
	d	l	Da	D	A	B	L	W	H	X	Y	Z	Q	n	Ca	Coa	K
SFK0401	4	1	0.8	10	20	3	12	15	14	2.9	-	-	-	2	40	51	2.8
SFK0601	6	1	0.8	12	24	3.5	15	18	16	3.4	-	-	-	3	73	121	6.8
SFK0801		1	0.8	14	27	4	16	21	18	3.4	-	-	-	4	93	173	10.7
SFK0802	8	2	1.2	14	27	4	16	21	18	3.4	-	-	-	3	135	225	8.2
SFK0802.5		2.5	1.2	16	29	4	26	23	20	3.4	-	-	-	3	177	278	8.2
SFK1002	10	2	1.2	18	35	5	28	27	22	4.5	-	-	-	3	185	305	10.1
SFK1004		4	2	26	46	10	34	36	28	4.5	8	4.5	M6 3	395	590	10.4	
SFK1202		2	1.2	20	37	5	28	29	24	4.5	-	-	-	4	173	317	16.1
SFK1402	14	2	1.2	21	40	6	23	31	26	5.5	-	-	-	4	287	633	18.6
SFK1602	16	2	1.2	25	43	10	40	35	29	5.5	-	-	-	4	253	670	21.2

注: 1、o4-o6螺母无刮刷器。

2、螺母标准品无刮刷器, 如需刮刷器, 请告知业务员。

Note:1.Nuts do not have seals form o4 to O6.

Note:2.Standard nuts are no seals,if required,please advise.