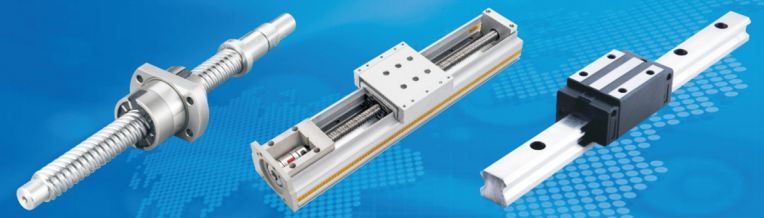
如有任何印刷错漏或翻译上的错误，请电话咨询。
最终解释权归本公司所有！
If you have any printing errors or mistakes in translation, please telephone consultation.
Our company reserves the right to interpret!

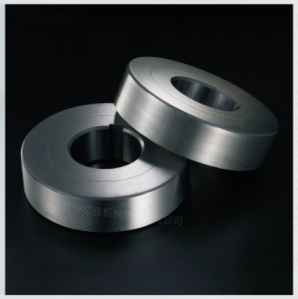
SHANGHAI POETRY SPRINT CO.,LTD

Office:Room 1201, No. 24, 1706 Lane, Zhaolou Road,
Minhang District, Shanghai, China.
Website: www.dtmi-bearing.com
E-mail: jane@dtmi-bearing.com
Tel/fax: 0086-021-61069400
Mobile/What's app number: 008613501924776



产品说明书

精工细作　品质自然卓越



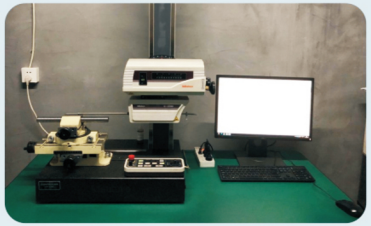
公司厂房

▲ 我们的厂房

▲ 进口数控轧机

▲ 时效炉

▲ 进口数控磨床



▲ 日本三丰轮廓测量机

▲ 数字式卧式测量投影仪

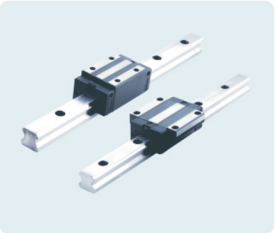
▲ 金相显微镜

产品目录 CONTENTS

滚珠丝杆系列
Ball screw rod series

该产品主要通过螺旋机构把旋转运动转化为直线运动，从而实现工作台的精准定位或切削运动。内部钢珠循环作为传动媒介，把丝杆与螺母的滑动摩擦变为滚动摩擦，从而大幅度地减少传动功率，提高产品精度，延长产品使用寿命，该产品多为配合线性滑轨使用，是现代工业设备广泛使用的产品。

Ball Screw is made of screw and ball nut. Its function is to turn the rotary motion into linear motion which is a future extension and development of ball screw. The significance of the development is to move into a rolling bearing from sliding action. With little frication, Ball Screw are widely used into various industrial equipment and precision instruments.



线性滑轨系列
Linear guide series

线性滑轨由钢珠在滑块与滑轨之间做无限滚动循环，故产品摩擦系数可降至传统滑轨的1/50，相对地减少无效运动的发生，能轻易达到um级进给及定位；高刚性四排珠45°角接触的束制单元设计，使得线性滑轨可同时承受上、下、左、右等各方面负荷，从而负载平台能沿着滑轨轻易地以高精度作直线运动。

linear guide is heavy load linear guide way designed by circular-arc groove and structure optimization are higher over 30% load capacity and rigidity than other similar ball type linear guideway.It features the same load in four directions (up/down/right/left) and self-aligning to absorb installation-error capability.

直线滑动单元系列
Linear motion ball slide units series

T/S系列直线导轨是由箱式直线轴承、高硬度轴及防偏斜铝轨组成的滑动单元。硬度轴与底座铝轨安装所需的螺孔是在轴硬化处理后进行钻削加工，保证了产品的精度。T/S系列产品造价低廉、生产周期短、易于安装等特性，已成为方型直线导轨的替代产品。适用于直线运动精度要求不高的场合。

Shaft Support Rails are designed to support the shafts on which open-type Linear Bushings run to prevent them from bending under load.Shaft Support Rails are delivered in ready-to-mount sections of high dimensional accuracy and are specially designed to give high rigidity.Their low overall height allows the construction of extra-compact linear motion assemblies.This is the sliding unit with the aluminum case, shafts and aluminum rail for preventing deflexion.

圆柱直线导轨（直线光轴）
linear shaft series

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、特殊气缸竿、木工机械等工业自动化机器，同时该产品在双界面的导向作用是无可替代的。

Linear shaft is induction hardened, precision ground, and polished to the tolerances required by the demanding linear motion industry.

直角坐标机器人
Rectangular coordinate robot

直角坐标机器人是工业应用中，能够实现自动控制的、可重复编程的、多功能的、多自由度的、运动自由度间成空间直角关系、多用途的操作机。他能够搬运物体、操作工具，以完成各种作业。

Rectangular coordinate robot are industrial applications, can achieve automatic control, repeatable programming, much work can, multivariant, into space right Angle relationship between the degrees of freedom of movement, multi-purpose manipulator. He was able to move transport objects, operating tools to complete all assignments.

直线轴承系列
Linear bearing series

该产品是以最低成本生产的具有无限行程的直线运动系列，与圆柱轴配合使用。由于承载球与轴呈点接触，故许用负荷小。钢珠以最小的摩擦阻力旋转，因此能获得高精度的平稳运动。

Linear bearings are bearing elements for translation type motion. As in the case of rotary bearings, a distinction is drawn as to whether the forces occurring are transmitted by means of rolling or sliding elements. Each linear design has particular characteristics that make it especially suitable for particular bearing arrangements.

杆端关节轴承系列
Ball join rod ends bearing series

杆端关节轴承能同时承载大径向负载和双向轴向负载的小型自我调准型的球衬套，可用于机床、纺织机械、包装机械中的控制和链接机构。

rod end bearing, also known as a heim joint (N. America) or rose joint (U.K. and elsewhere), is a mechanical articulating joint. Such joints are used on the ends of control rods, steering links, tie rods, or anywhere a precision articulating joint is required. A ball swivel with an opening through which a bolt or other attaching hardware may pass is pressed into a circular casing with a threaded shaft attached. The threaded portion may be either male or female.

滚轮滚针轴承
Needle roller bearing

该产品用于凸轮机构和直线运动的从动轴承，具有高刚性和高精度、易维护的特点，被广泛用于各类机床、工业机器人、电子设备以及OA设备。

Cam Follower Bearings are also referred to as track follower. They are designed to follow a sliding or rotating piece (cam) and they use rollers or needles as the rolling elements. Cam Follower Bearings are therefore able to replicate a specific motion because they are highly versatile. They have thick-walled outer rings that run on a track. They are used to minimize distortion and bending stress while facilitating high load carrying capacity.Generally speaking, cam follower bearings are designed in different configurations and special structures can be designed according to the task requirements.

精密滚珠丝杆系列
Ball and steel rod series

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=2.5x 2）
(Turn) ex

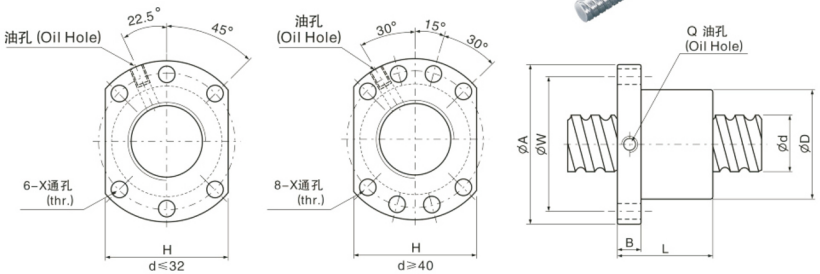
导程（mm） Lead（mm）

螺杆轴外径（mm） Shaft dia.（mm）

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

螺帽型号 Nut type codes
S：S：单螺帽 Single nut D：双螺帽 Double nut
F：F：有法兰 With flange C：无法兰 Without flange
T：T：T型螺帽 T type nut I：I型螺帽 I type nut D：D型螺帽 D type nut E：E型螺帽 E type nut
K：K型螺帽 K type nut U：DIN规格螺帽 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



I: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)

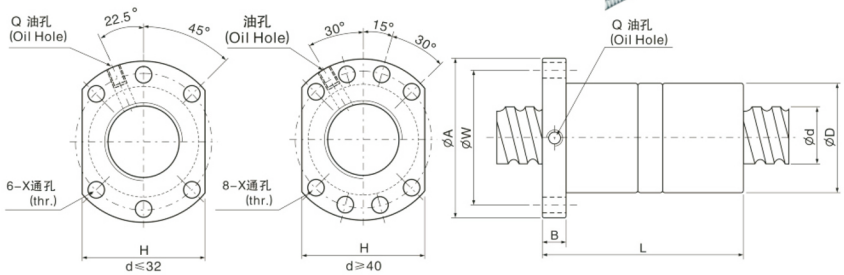
单位(Unit):mm

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
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	15	5	2.778	28	48	10	38	38	40	5.5	M6*1P	3.8*1	771	1536	19.6
SFS01610–2.8		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	2.778	28	48	10	57	38	40	5.5	M6*1P	1.8*1	415.2	768	9.2
SFS02005–3.8	20	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	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	25	5	3.175	40	62	10	40	51	48	6.6	M6*1P	3.8*1	1133.1	2786.7	32
SFS02510–3.8		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	31	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		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	40	5	3.175	63	93	15	45	78	70	9	M8*1P	3.8*1	1393.4	4458.8	50.5
SFS04010–3.8	38	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		40	6.35	63	93	15	145	78	70	9	M8*1P	2.8*1	2750.6	6570.9	36.3
SFS05005–3.8	50	5	3.175	75	110	15	45	93	85	11	M8*1P	3.8*1	1537.1	5573.5	62.8
SFS05010–3.8	48	10	6.35	75	110	18	68	93	85	11	M8*1P	3.8*1	3875.4	10701.2	61.6
SFS05020–3.8		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	77	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		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	123.3

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)

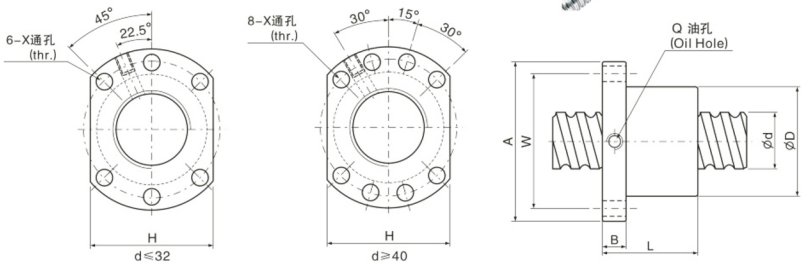
单位(Unit):mm

型号 Model No.	滚珠螺杆、螺帽之基准数据 Dimensions														
	d	l	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	31	10	3.969	50	80	13	122	65	62	9	M6*1P	3.8*1	1693.4	4354.9	79.56
DFS03220-2.8		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	101.02
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	48	10	6.35	75	110	18	138	93	85	11	M8*1P	3.8*1	3875.4	10701.2	123.35
DFS05020-3.8		20	6.35	75	110	18	218	93	85	11	M8*1P	3.8*1	3945.7	11147.1	123.35
DFS06310-3.8	61	10	6.35	90	125	18	140	108	95	11	M8*1P	3.8*1	4147.4	12484.8	155.32
DFS06320-3.8		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	77	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		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	246.7

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

SFU（DIN 69051 Form B）滚珠螺杆规格表

Dimension Table of SFU(DIN69051 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)

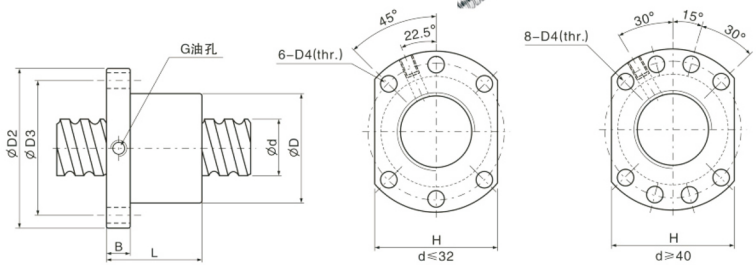
单位(Unit):mm

	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
★	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		10	3.175	28	48	10	57	38	40	5.5	M6	3	721	1249	15
	SFU 2004-4	20	4	2.381	36	58	10	42	47	44	6.6	M6	4	699	1617	41
★	SFU 2005-4		5	3.175	36	58	10	51	47	44	6.6	M6	4	1130	2380	25
	SFU 2504-4	25	4	2.381	40	62	10	42	51	48	6.6	M6	4	777	2052	48
★	SFU 2505-4		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		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		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		10	6.350	50	80	12	90	65	62	9	M6	4	3390	7170	79
★	SFU 4005-4	40	5	3.175	63	93	14	55	78	70	9	M8	4	1610	5330	49
	SFU 4006-4		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		10	6.350	63	93	14	93	78	70	9	M8	4	3910	9520	50
★	SFU 5010-4	50	10	6.350	75	110	16	93	93	85	11	M8	4	4450	12500	65
★	SFU 5020-4		20	7.144	75	110	16	138	93	85	11	M8	4	4644	14327	59.5
★	SFU 6310-4	63	10	6.350	90	125	18	98	108	95	11	M8	4	5070	16600	80
	SFU 6320-4		20	9.525	95	135	20	149	115	100	13.5	M8	4	7573	23860	84.1
★	SFU 8010-4	80	10	6.350	105	145	20	98	125	110	13.5	M8	4	5620	21300	90
	SFU 8020-4		20	9.525	125	165	25	154	145	130	13.5	M8	4	8485	30895	84.1
	SFU10020-4	100	20	9.525	150	202	30	180	170	155	17.5	M8	4	9420	39183	110.1

备注：有标注★ 记号者可制作左螺纹 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



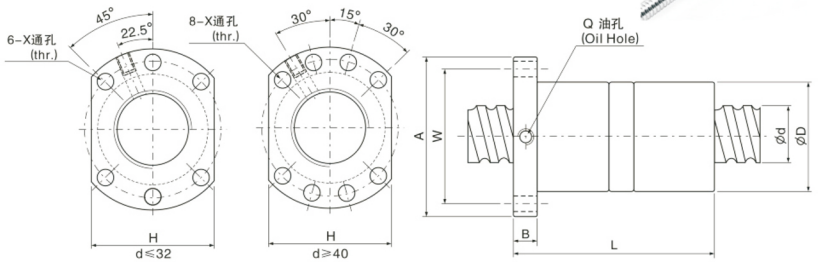
l:导程 Lead Da：珠径Ball Dia. n：珠圈数Number of Circuits K：刚性 Stiffness (Kgf/μm)
Ca：动额定负荷 Basic Dynamic Rating Load(Kgf) Coa:静额定负荷 Basic Static Rating Load(Kgf)

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														

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(DIN69051 Form B)Ball Screws



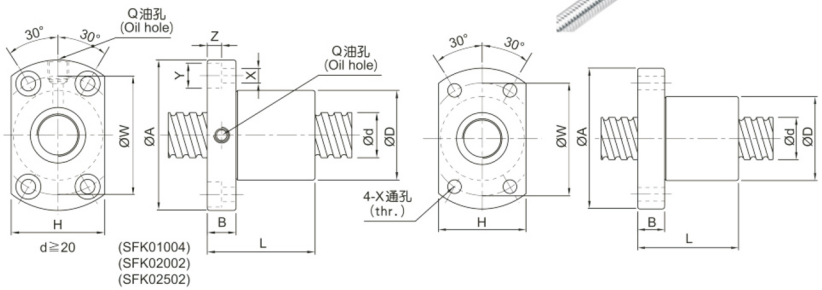
l:导程 Lead Da：珠径Ball Dia. n：珠圈数Number of Circuits K：刚性 Stiffness (Kgf/μm)
Ca：动额定负荷 Basic Dynamic Rating Load(Kgf) Coa:静额定负荷 Basic Static Rating Load(Kgf)

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	25	4	2.381	40	62	10	80	51	48	6.6	M6	4	777	2032	48
★	DFU 2505-4		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		10	4.762	40	62	12	145	51	48	6.6	M6	4	1944	3877	33
	DFU 3204-4	32	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		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		10	6.350	50	80	12	162	65	62	9	M6	4	3390	7170	79
★	DFU 4005-4	40	5	3.175	63	93	14	105	78	70	9	M8	4	1610	5330	49
	DFU 4006-4		6	3.969	63	93	14	108	78	70	9	M6	4	1911	5458	55
	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	80
	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

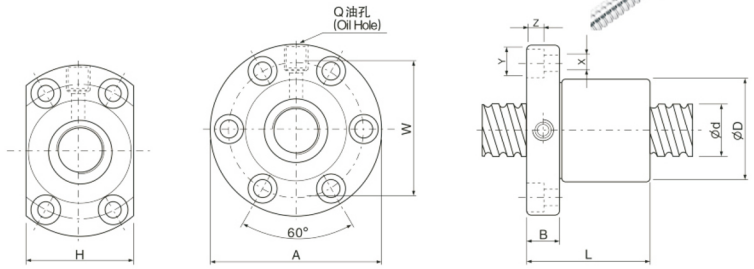
	公称型号	轴径 D	导程 l	珠径 Da	螺帽尺寸 D	A	B	L	W	H	X	Y	Z	Q	n	动额定负荷 Ca	静额定负荷 Coa	刚性 kgf/μm
	SFK00401	4	1	0.8	10	20	3	12	15	14	2.9	–	–	–	1x2	64	97	5
	SFK00601	6	1	0.8	12	24	3.5	15	18	16	3.4	–	–	–	1x3	111	224	9
★	SFK00801	8	1	0.8	14	27	4	16	21	18	3.4	–	–	–	1x4	161	403	14
★	SFK00802		2	1.2	14	27	4	16	21	18	3.4	–	–	–	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 l	珠径 Da	螺帽尺寸 D	A	B	L	W	H	X	Y	Z	Q	n	动额定负荷 Ca	静额定负荷 Coa	刚性 kgf/μm
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



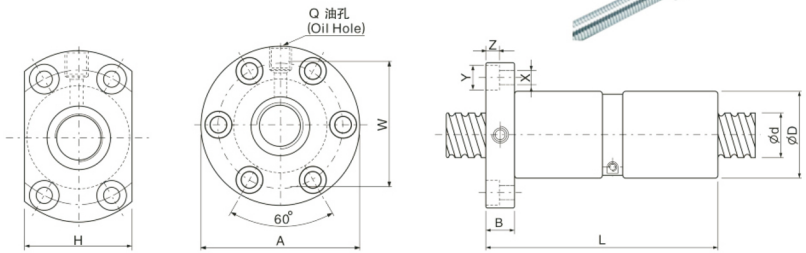
l:导程 Lead Da：珠径Ball Dia. n：珠圈数Number of Circuits K：刚性 Stiffness (Kgf/μm)
Ca:动额定负荷 Basic Dynamic Rating Load(Kgf) Coa:静额定负荷 Basic Static Rating Load(Kgf)

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	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



I: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)

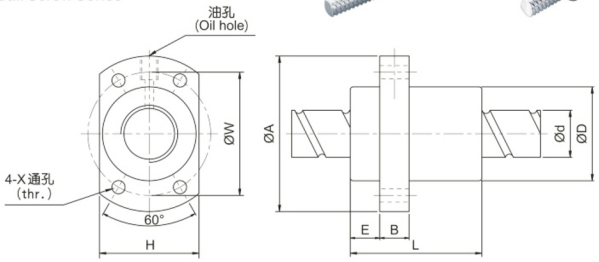
单位(Unit):mm

	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	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

一倍导程 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 kgf/μm
				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 kgf/μm
				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

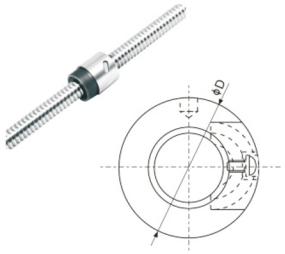
d：外径 ScrewO.D. I:导程 Lead Da：珠径Ball Dia. n：珠圈数Number of Circuits Ls：螺杆长度 Screw Length
Ca：动额定负荷 Basic Dynamic Rating Load(Kgf) Coa:静额定负荷 Basic Static Rating Load(Kgf)

单位(Unit):mm

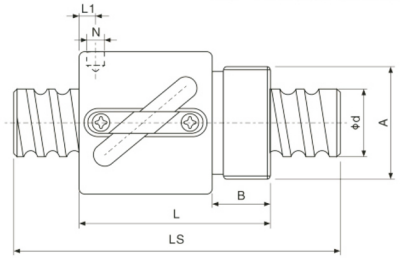
型号 Model No.	滚珠螺杆、螺帽之基准数据 Dimensions															
	d	I	Da	D	A	E	B	L	W	X	H	Q	n	Ca	Coa	Ls
SFER01616A2DFC7	16	16	2.778	32	53	10.1	10	45	42	4.5	34	M6	1.7X2	650	1280	3000
SFER02020A2DFC7	20	20	3.175	39	62	11.5	10	55	50	5.5	41	M6	1.7X2	980	2140	3000
SFER02525A2DFC7	25	25	3.969	47	74	13	12	57	60	6.6	49	M6	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

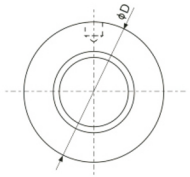
BSH滚珠螺杆规格表
Dimension Table of BSH Ball Screws

转造级库存螺杆系列
Stock Rolled Ball Screw Series

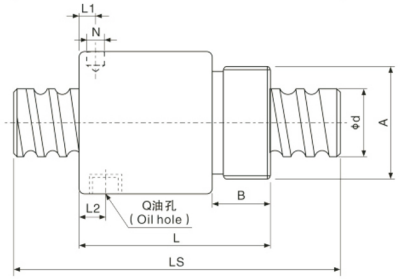


d≤14(External circulation type)
外循环





d≥16(Internal circulation type)
内循环



d：外径 ScrewO.D. l: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(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	L1	N	L2	Q	n	Ca	Coa	Ls
BSHR0080EB1FC7	8	2.5	1.2	17.5	M15x1P	7.5	23.5	10	3	–	M3	2.5X1	151	232	1200
BSHR01002C1FC7	10	2	1.2	19.5	M17x1P	7.5	22	3	3.2	–	M4	3.5X1	222	400	1200
BSHR01004B1FC7		4	2	25	M20x1P	10	34	3	3	–	M4	2.5X1	337	492	1200
BSHR01204C1FC7	12	4	2.5	25.5	M20x1P	10	34	13	3	–	M3	3.5X1	425	738	1800
BSHR01205C1FC7		5	2.5	25.5	M20x1P	10	39	16.25	3	–	M4	3.5X1	650	992	1800
BSHR01404C1FC7	14	4	2.381	32.1	M25x1.5P	10	35	13	3	–	M5	3.5X1	318	485	1800
BSHR01604T3FC7	16	4	2.381	29	M22x1.5P	8	32	4	3.2	–	M5	3X1	491	952	3000
BSHR01605T3FC7		5	3.175	32.5	M26x1.5P	12	42	19.25	3	–	M5	3X1	716	1230	3000
BSHR02005T3FC7	20	5	3175	38	M35x1.5P	15	45	20.3	3	–	M6	3X1	799	1577	3000
BSHR02505T3FC7	25	5	3.175	43	M40x1.5P	19	69	32.11	3	8	M6	4X1	1280	3110	4000

螺帽型号编码说明：

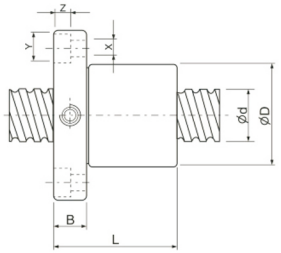
BSH R 016 05 T4 F
1 2 3 4 5 6

1.螺帽型号 Nut Model no. 2.螺纹方向 Right Hand. 3.螺杆外径 Shaft Dia. (mm)
4.导程 Lead (mm) 5.珠卷数 Circuit no. 6.转造级 Rolled

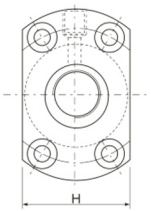
备注：转造级库存螺杆可供应C7及C10 Note: Both C7 and C10 accuracy are available for Rolled Ball Screws.

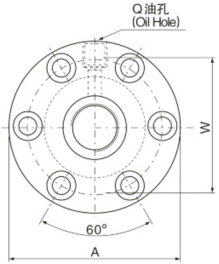
SFM/DFM滚珠螺杆规格表
Dimension Table of SFM/DFM Ball Screws

Type： SFM

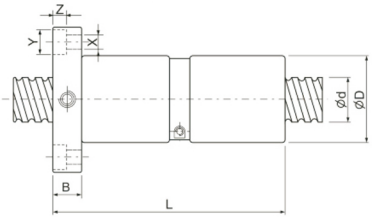


铣床专用
Used for Milling Machine Only





Type： DFM



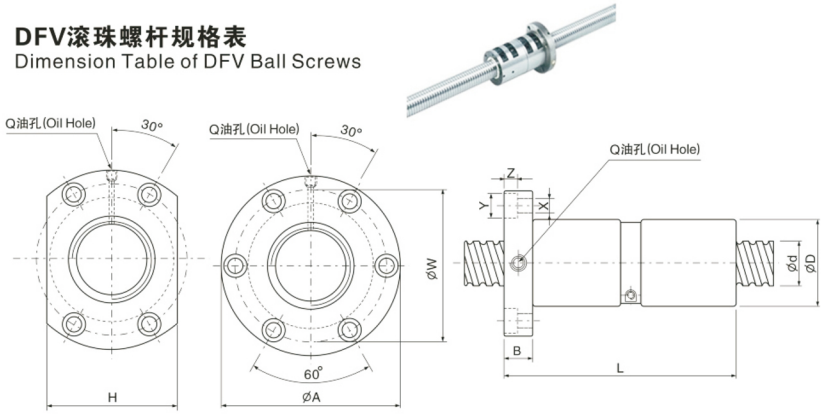
l:导程 Lead Da：珠径Ball Dia. n：珠圈数Number of Circuits K：刚性 Stiffness (Kgf/μm)
Ca：动额定负荷 Basic Dynamic Rating Load(Kgf) Coa:静额定负荷 Basic Static Rating Load(Kgf)

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	Y	Z	Q	n	Ca	Coa	K
★	SFM3205-4	32	5	3.175	48	74	12	52	60	60	6.5	11	6.5	M8	4	1450	4150	40
★	SFM325T-4		5.08	3.175	48	74	12	53	60	60	6.5	11	6.5	M8	4	1450	4150	40
★	DFM3205-4	32	5	3.175	48	74	12	102	60	60	6.5	11	6.5	M8	4	1450	4150	72
★	DFM325T-4		5.08	3.175	48	74	12	104	60	60	6.5	11	6.5	M8	4	1450	4150	72

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

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



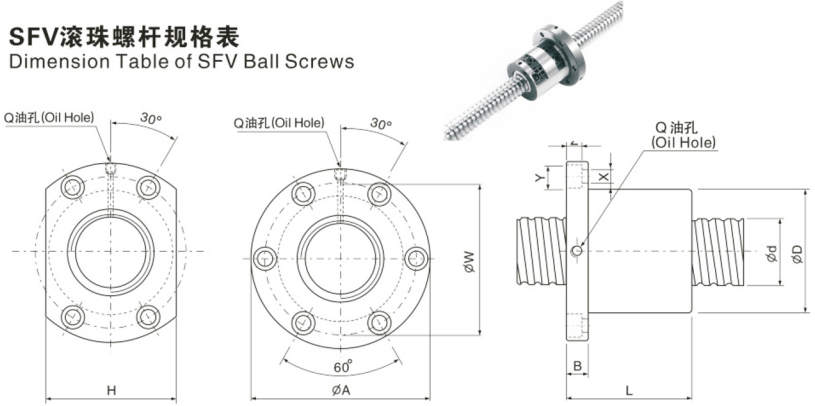
l:导程 Lead Da：珠径Ball Dia. n：珠圈数Number of Circuits K：刚性 Stiffness (Kgf/μm)
Ca:动额定负荷 Basic Dynamic Rating Load(Kgf) Coa:静额定负荷 Basic Static Rating Load(Kgf)

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
DFV01510-2.7	15	10	3.175	34	58	10	107	45	34	5.5	M6	2.7*1	693	1267	28
DFV02005-4.8	20	5	3.175	44	67	11	112	55	52	5.5	M6	4.8*1	1255	2816	65
DFV02510-2.7	25	10	6.35	68	102	15	130	84	82	9	M8	2.7*1	2205	4118	47
DFV03210-4.8	32	10	6.35	74	108	15	186	90	82	9	M8	4.8*1	3963	9011	106
DFV03220-2.7		20	6.35	74	108	16	200	90	82	9	M8	2.7*1	2481	5385	59
DFV04010-4.8	40	10	6.35	82	124	18	188	102	94	11	M8	4.8*1	4372	11264	130
DFV04020-2.7		20	6.35	82	124	18	200	102	90	11	M8	2.7*1	2723	6653	73
DFV05010-4.8	50	10	6.35	93	135	16	173	113	98	11	M8	4.8*1	4823	14080	162
DFV05020-2.7		20	9.525	105	152	28	221	128	110	14	M8	2.7*1	5149	12118	93
DFV06310-4.8	63	10	6.35	108	154	22	195	130	110	14	M8	4.8*1	5377	18023	202
DFV06320-2.7		20	9.525	122	180	28	220	150	130	18	M8	2.7*1	5651	14969	115
DFV08010-4.8	80	10	6.35	130	176	22	195	152	132	14	M8	4.8*1	5931	22528	255
DFV08020-4.8		20	9.525	143	204	28	340	172	148	18	M8	4.8*1	10352	34215	258
DFV08020-7.6		20	9.525	143	204	28	460	172	148	18	M8	3.8*2	15370	54175	409

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

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



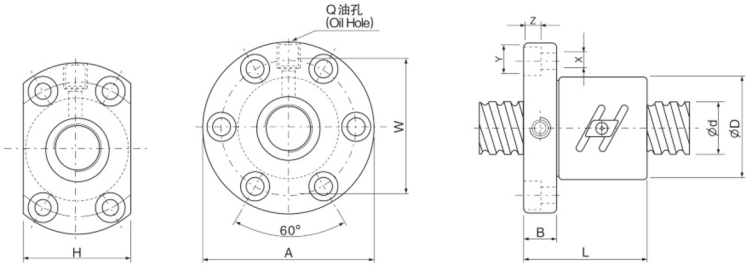
l:导程 Lead Da：珠径Ball Dia. n：珠圈数Number of Circuits K：刚性 Stiffness (Kgf/μm)
Ca:动额定负荷 Basic Dynamic Rating Load(Kgf) Coa:静额定负荷 Basic Static Rating Load(Kgf)

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
SFV01210-2.7	12	10	2.5	30	50	10	53	40	32	4.5	M6	2.7*1	451	785	11
SFV01510-2.7	15	10	3.175	34	58	10	57	45	34	5.5	M6	2.7*1	693	1267	14
SFV02010-2.7	20	10	3.969	46	74	13	57	59	46	6.6	M6	2.7*1	1065	2104	18
SFV02510-2.7	25	10	6.35	68	102	15	70	84	82	9	M8	2.7*1	2205	4118	23
SFV03210-4.8	32	10	6.35	74	108	15	96	90	82	9	M8	4.8*1	3963	9011	53
SFV03220-2.7		20	6.35	74	108	16	100	90	82	9	M8	2.7*1	2481	5385	29
SFV04010-4.8	40	10	6.35	82	124	18	100	102	94	11	M8	4.8*1	4372	11264	65
SFV04020-2.7		20	6.35	82	124	18	100	102	90	11	M8	2.7*1	2723	6653	36
SFV05010-4.8	50	10	6.35	93	135	16	93	113	98	11	M8	4.8*1	4823	14080	81
SFV05020-2.7		20	9.525	105	152	28	121	128	110	14	M8	2.7*1	5149	12118	46
SFV06310-4.8	63	10	6.35	108	154	22	105	130	100	14	M8	4.8*1	5377	18023	101
SFV06320-2.7		20	9.525	122	180	28	120	150	130	18	M8	2.7*1	5651	14969	57
SFV08010-4.8	80	10	6.35	130	176	22	105	152	132	14	M8	4.8*1	5931	22528	127
SFV08020-4.8		20	9.525	143	204	28	180	172	148	18	M8	4.8*1	10352	34215	129
SFV08020-7.6		20	9.525	143	204	28	240	172	148	18	M8	3.8*2	15370	54175	204

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

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



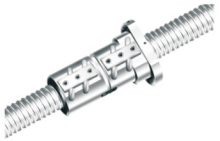
l:导程 Lead Da：珠径Ball Dia. n：珠圈数Number of Circuits K：刚性 Stiffness (Kgf/μm)
Ca:动额定负荷 Basic Dynamic Rating Load(Kgf) Coa:静额定负荷 Basic Static Rating Load(Kgf)

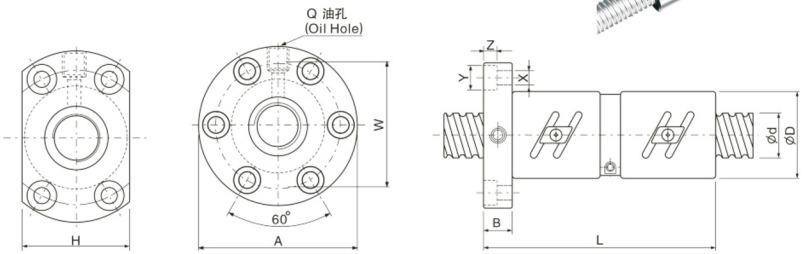
单位(Unit):mm

	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	Y	Z	Q	n	Ca	Coa	K
★	SFT2005-5	20	5	3.175	44	67	11	57	55	52	5.5	9.5	5.5	M6	2.5X2	1546	3068	37
★	SFT2505-5	25	5	3.175	50	73	11	55	61	52	5.5	9.5	5.5	M8	2.5X2	1690	4460	46
★	SFT2510-2.5		10	6.350	68	102	15	70	84	82	9	14	8.5	M8	2.5X1	2440	4730	26
★	SFT3205-5	32	5	3.175	58	85	12	56	71	64	6.6	11	6.5	M8	2.5X2	1880	5720	55
★	SFT3206-5		6	3.969	62	89	12	65	75	68	6.6	11	6.5	M8	2.5X2	2520	7080	56
★	SFT3208-5		8	4.762	66	100	15	82	82	76	9	14	8.5	M8	2.5X2	3230	8360	58
★	SFT3210-5		10	6.350	74	108	15	96	90	82	9	14	9	M8	2.5X2	4820	11500	63
★	SFT3220-2.5		20	6.350	74	108	16	100	90	82	9	14	8.5	M8	2.5X1	2680	6020	30
★	SFT4005-5	40	5	3.175	67	101	15	59	83	72	9	14	8.5	M8	2.5X2	2026	7200	66
★	SFT4010-5		10	6.350	82	124	18	100	102	94	11	17.5	11	M8	2.5X2	5300	14000	72
★	SFT4020-2.5		20	6.350	82	124	18	100	102	90	11	17.5	11	M8	2.5X1	2970	7370	38
★	SFT5010-5	50	10	6.350	93	135	18	103	113	98	11	17.5	11	M8	2.5X2	5940	18000	89
★	SFT5020-2.5		20	9.525	105	152	28	121	128	110	14	20	13	M8	2.5X1	7400	18700	45
★	SFT6310-5	63	10	6.350	108	154	22	105	130	110	14	20	13	M8	2.5X2	6550	22700	107
★	SFT6320-2.5		20	9.525	122	180	28	127	150	130	18	26	17.5	M8	2.5X1	8810	23200	73
★	SFT8010-5	80	10	6.350	130	176	22	105	152	132	14	20	13	M8	2.5X2	7200	28900	129
★	SFT8020-5		20	9.525	143	204	28	180	172	148	18	26	18	M8	2.5X2	16700	60100	175
★	SFT8020-7.5		20	9.525	143	204	28	240	172	148	18	26	18	M8	2.5X3	23500	89100	252

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

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





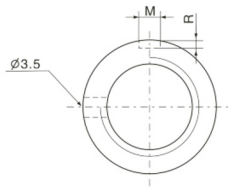
l:导程 Lead Da：珠径Ball Dia. n：珠圈数Number of Circuits K：刚性 Stiffness (Kgf/μm)
Ca:动额定负荷 Basic Dynamic Rating Load(Kgf) Coa:静额定负荷 Basic Static Rating Load(Kgf)

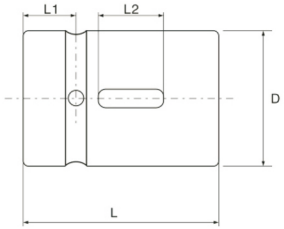
单位(Unit):mm

	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	Y	Z	Q	n	Ca	Coa	K
★	DFT2005-5	20	5	3.175	44	67	11	105	55	52	5.5	9.5	5.5	M6	2.5X2	1546	3068	75
★	DFT2505-5	25	5	3.175	50	73	11	105	61	52	5.5	9.5	5.5	M8	2.5X2	1690	4460	89
★	DFT2510-2.5		10	6.350	68	102	15	130	84	82	9	14	8.5	M8	2.5X1	2440	4730	48
★	DFT3205-5	32	5	3.175	58	85	12	106	71	64	6.6	11	6.5	M8	2.5X2	1880	5720	108
★	DFT3206-5		6	3.969	62	89	12	123	75	68	6.6	11	6.5	M8	2.5X2	2520	7080	111
★	DFT3208-5		8	4.762	66	100	15	154	82	76	9	14	8.5	M8	2.5X2	3230	8360	113
★	DFT3210-5		10	6.350	74	108	16	187	90	82	9	14	8.5	M8	2.5X2	4820	11500	117
★	DFT3220-2.5		20	6.350	74	108	16	198	90	82	9	14	8.5	M8	2.5X1	2680	6020	60
★	DFT4005-5	40	5	3.175	67	101	15	109	83	72	9	14	8.5	M8	2.5X2	2060	7200	130
★	DFT4010-5		10	6.350	82	124	18	188	102	94	11	17.5	11	M8	2.5X2	5300	14000	141
★	DFT4020-2.5		20	6.350	82	124	18	200	102	90	11	17.5	11	M8	2.5X1	2970	7370	75
★	DFT5010-5	50	10	6.350	93	135	18	193	113	98	11	17.5	11	M8	2.5X2	5940	18000	170
★	DFT5020-2.5		20	9.525	105	152	28	225	128	110	14	20	13	M8	2.5X1	7400	18700	90
★	DFT6310-5	63	10	6.350	108	154	22	197	130	110	14	20	13	M8	2.5X2	6550	22700	200
★	DFT6320-2.5		20	9.525	122	180	28	227	150	130	18	26	17.5	M8	2.5X1	8810	23200	84
★	DFT8010-5	80	10	6.350	130	176	22	195	152	132	14	20	13	M8	2.5X2	7200	28900	240
★	DFT8020-5		20	9.525	143	204	28	340	172	148	18	26	18	M8	2.5X2	16700	60100	330

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

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





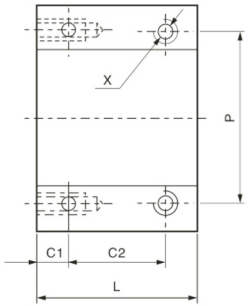
l:导程 Lead Da：珠径Ball Dia. n：珠圈数Number of Circuits K：刚性 Stiffness (Kgf/μm)
Ca：动额定负荷 Basic Dynamic Rating Load(Kgf) Coa:静额定负荷 Basic Static Rating Load(Kgf)

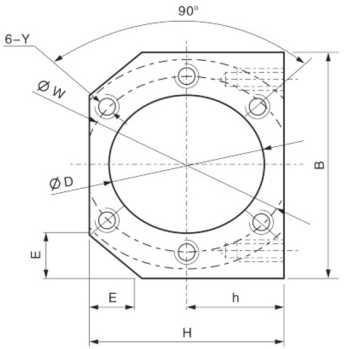
单位(Unit):mm

	型号 Model No.	滚珠螺杆、螺帽之基准数据 Dimensions												
		d	l	Da	D	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

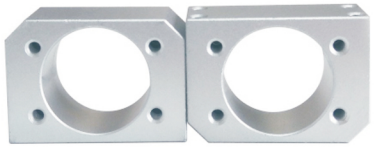
DSG 螺母座

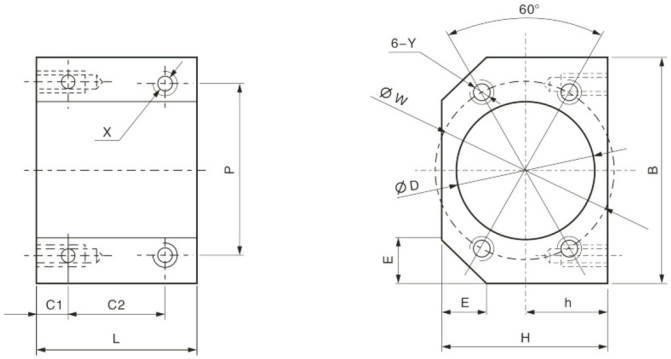




Parca No	Somun	D	B	H	h	E	L	C1	C2	P	X	W	Y
DSG12H	1204	22.1 24.1	50	35	15	/	36	6	24	35	M5	32	M4
DSG16H	1605	28	52	40	20	12	40	8	24	40	M5	38	M5
	1610												
DSG20H	2005	36	62	44	22	12	40	8	24	48	M6	47	M6
	2010												
DSG25H	2505	40	66	48	24	13	40	8	24	50	M6	51	M6
	2510												
DSG32H	3205	50	86	62	31	17	40	8	24	66	M8	65	M8
	3210												
DSG40H	4005	63	100	70	35	19	40	8	24	80	M8	78	M8
	4010												
DSG50H	5010	75	116	85	42.5	22	46	10	26	92	M8	93	M8

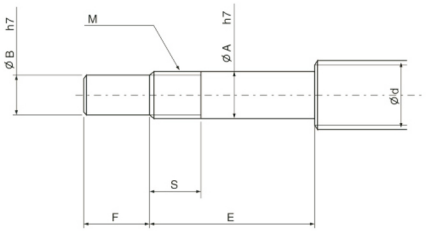
BSG 螺母座





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



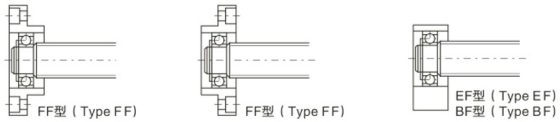
Support Unit model No. | Ball Screw shaft OD | Shaft Support Portion OD | 单位(Unit)：mm

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

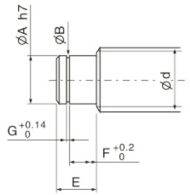
型 号		滚珠丝杠轴外径	轴承部轴外径				公称螺纹 Metric screw thread	
FK(Type FK)	EK(Type EK)	d	A	B	E	F	M	S
FK 6	EK 6	8	6	4	28	8	M6X0.75	8
FK 8	EK 8	10/12	8	6	32	9	M8X1	10
FK 10	EK 10	12/14/15	10	8	36	15	M10X1	11
FK 12	EK 12	14/15/16	12	10	36	15	M12X1	11
FK 15	EK 15	18/20	15	12	47	20	M15X1	13
FK 20	EK 20	25/28/30	20	17	62	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）



单位(Unit):mm

Support Unit model No. 型 号			Ball Screw shaft OD 滚珠丝杠轴外径	Shaft Support Portion OD 轴承部轴外径
FF型 (Type FF)	EF型 (Type FF)	BF型 (Type FF)	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



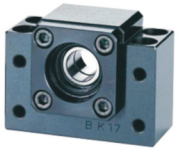
（注）
尺寸表中的（　　）尺寸表示BF20的尺寸。它与FF20及EF20的尺寸不同，因此订货时请务必告知所使用的支撑单元型号。

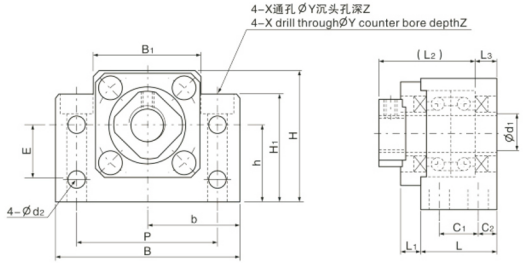
Note:
In this table,dimensions in parentheses are those of type BF20.These dimensions differ from those of type FF20 and EF20.When placing an order,always specify the model number of the Support Unit to be used.

单位(Unit):mm

扣环沟槽 Snap-ring Groove			
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

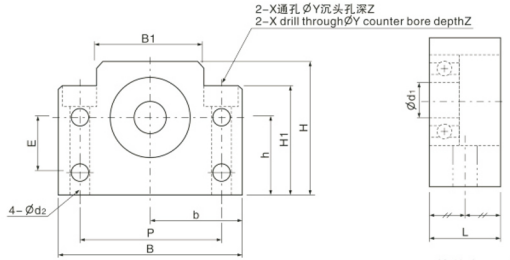




单位(Unit):mm

公称型号 Model No.	d_1	L	L_1	L_2	L_3	C_1	C_2	B	H	$b^{\pm0.02}$	$h^{\pm0.02}$	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

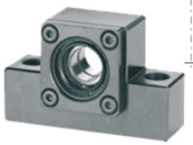
BF
支持端 Floated Side

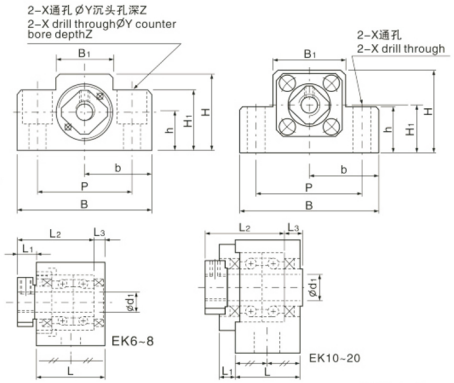


单位(Unit):mm

公称型号 Model No.	d_1	L	B	H	$b^{\pm0.02}$	$h^{\pm0.02}$	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

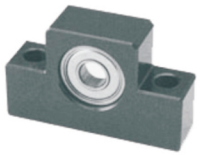


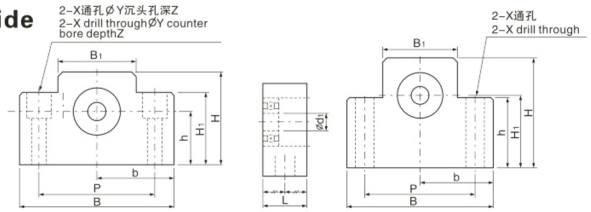


单位(Unit):mm

公称型号 Model No.	d1	L	L1	L2	L3	B	H	b ±0.02	h ±0.02	B1	H1	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

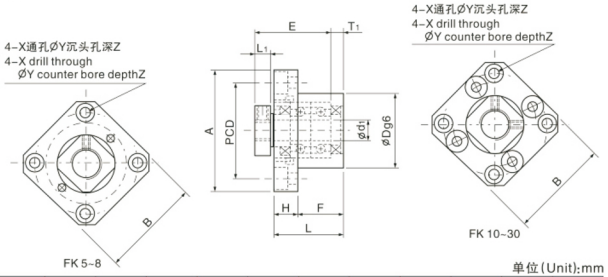




单位(Unit):mm

公称型号 Model No.	d1	L	B	H	b ±0.02	h ±0.02	B1	H1	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	–	–

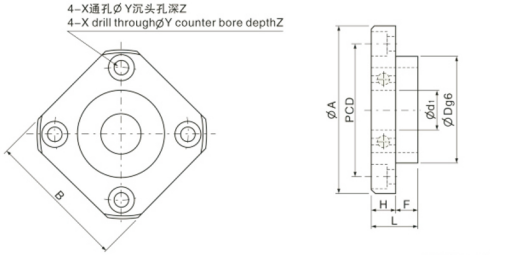
FK
固定端 Fixed Side



单位(Unit):mm

公称型号 Model No.	d1	L	H	F	E	Dg6	A	PCD	B	L1	T1	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.	d1	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

HG系列：重负荷型滚珠线性滑轨　　线性导轨产品型号

HG　W　25　C　A　E　2　R　1600　E　ZA　P　II + DD / □

- HG：HG系列
- W：滑块型式 W：法兰型 H：四方型
- 25：尺寸：15，20，25，30，35，45，55，65
- C：负荷型式 C：重负荷 H：超重负荷
- A：滑块固定方式 A：上锁式 B：下锁式 C：上或下锁式
- E：滑块特殊加工 无记号：滑块无特殊加工
- 2：单支导轨组装的滑块数
- R：导轨固定方式 R：上锁式 T：下锁式
- 1600：导轨长度（mm）
- E：导轨特殊加工 无记号：导轨无特殊加工
- ZA：预压：ZO，ZA，ZB
- P：精度：C，H，P
- II：单轴导轨数[1]
- DD：防尘配备[2]
- □：特殊样式 E1：自润式 SE：金属端

EG　W　25　C　A　E　2　R　1600　E　ZA　P　II + DD / □

- EG：EG系列
- W：滑块型式 W：法兰型 H：四方型
- 25：尺寸：15，20，25，30
- C：负荷型式 C：重负荷 S：中负荷
- A：滑块固定方式 A：上锁式 B：下锁式
- E：滑块特殊加工 无记号：滑块无特殊加工
- 2：单支导轨组装的滑块数
- R：导轨固定方式 R/U：上锁式 T：下锁式
- 1600：导轨长度（mm）
- E：导轨特殊加工 无记号：导轨无特殊加工
- ZA：预压：ZO，ZA，ZB
- P：精度：C，H，P，SP，UP
- II：单轴导轨数[1]
- DD：防尘配备[2]
- □：特殊样式 E1：自润式 SE：金属端

MGW　12　C　E　2　R1600　E　Z1　P　M　II + U

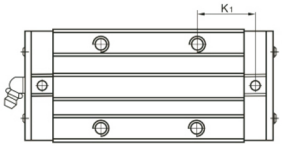
- MGW：MGN,MGW系列
- 12：尺寸：7，9，12，15
- C：负荷型式 C：标准型 H：加长型
- E：滑块特殊加工 无记号：滑块无特殊加工
- 2：单支导轨组装的滑块数
- R1600：导轨长度（mm）
- E：滑块特殊加工 无记号：导轨无特殊加工
- Z1：预压：ZF，ZO，Z1
- P：精度：C，H，P
- M：导轨材质：M：不锈钢 无记号：合金钢
- II：单轴导轨数[1]
- U：防尘片选用[2]

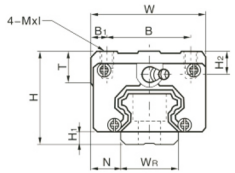
注：1、单轴导轨数若只使用一支导轨则不写，两支标记为Ⅱ，三支标记为Ⅲ，以此类推。
2、防尘配备中无记号为防尘标准配备刮油片和防尘片。
ZZ为刮油片加防尘片加金属刮板
KK为变刮油片加防尘片加金属刮板
DD为变刮油片加防尘片
U为MGN及MGW12，15规格可选用防尘片

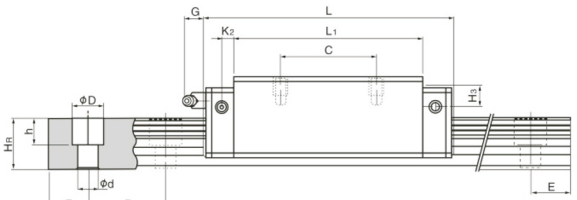
HGL 系列线性导轨

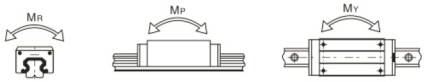
HGL系列线性导轨尺寸表（高组装四方型）

HGL-CA/HGL-HA









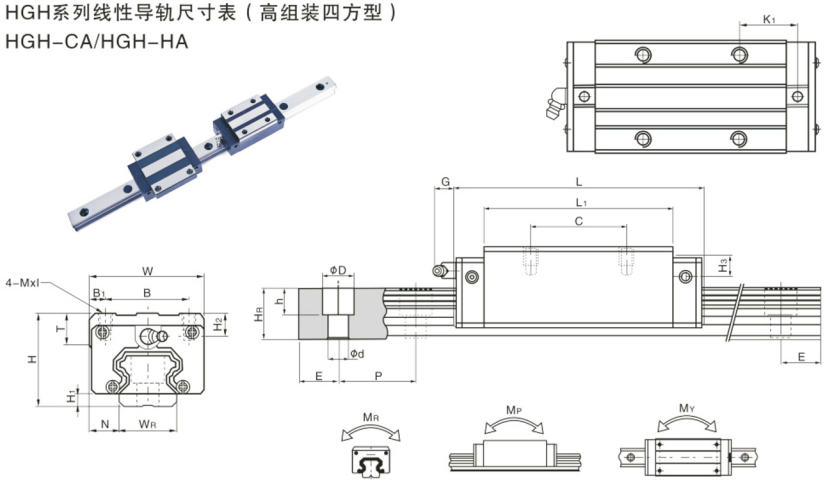
型号	组件尺寸（mm）			滑块尺寸（mm）													滑轨尺寸（mm）							滑轨的固定螺栓尺寸	基本动额定负荷	基本静额定负荷	容许静力矩			重量	
	H	H_1	N	W	B	B_1	C	L_1	L	K_1	K_2	G	M_{x1}	T	H_2	H_3	W_R	H_R	D	h	d	P	E	(mm)	C(KN)	Co(KN)	M_R kN-m	M_P kN-m	M_Y kN-m	滑块 kg	滑轨 kg/m
HGL15CA	24	4.3	9.5	34	26	4	26	39.4	61.4	10	4.85	5.3	M4x4	6	3.95	3.7	15	15	7.5	5.3	4.5	60	20	M4x16	11.38	16.97	0.12	0.10	0.10	0.14	1.45
HGL25CA	36	5.5	12.5	48	35	6.5	35	58	84	16.8	6	12	M6x6	8	6	9	23	22	11	9	7	60	20	M6x20	26.48	36.49	0.42	0.33	0.33	0.42	3.21
HGL25HA							50	78.6	104.6	19.6															32.75	49.44	0.56	0.57	0.57	0.57	
HGL30CA	42	6	16	60	40	10	40	70	97.4	20.25	6	12	M8x10	8.5	6.5	10.8	28	26	14	12	9	80	20	M8x25	38.74	52.19	0.66	0.53	0.53	0.78	4.47
HGL30HA							60	93	120.4	21.75															47.27	69.16	0.88	0.92	0.92	1.03	
HGL35CA	48	7.5	18	70	50	10	50	80	112.4	20.6	7	12	M8x12	10.2	9	12.6	34	29	14	12	9	80	20	M8x25	49.52	69.16	1.16	0.81	0.81	1.14	6.30
HGL35HA							72	105.8	138.2	22.5															60.21	91.63	1.54	1.40	1.40	1.52	
HGL45CA	60	9.5	20.5	86	60	13	60	97	139.4	23	10	12.9	M10x17	16	8.5	20.5	45	38	20	17	14	105	22.5	M12x35	77.57	102.71	1.98	1.55	1.55	2.08	10.41
HGL45HA							80	128.8	171.2	28.9															94.54	136.46	2.63	2.68	2.68	2.75	
HGL55CA	70	13	23.5	100	75	12.5	75	117.7	166.7	27.35	11	12.9	M12x18	17.5	12	19	53	44	23	20	16	120	30	M14x45	114.44	148.33	3.69	2.64	2.64	3.25	15.08
HGL55HA							95	155.8	204.8	36.4															139.35	196.20	4.88	4.57	4.57	4.27	

注：1kgf=9.81 N

HGH 系列线性导轨

HGH系列线性导轨尺寸表（高组装四方型）

HGH-CA/HGH-HA



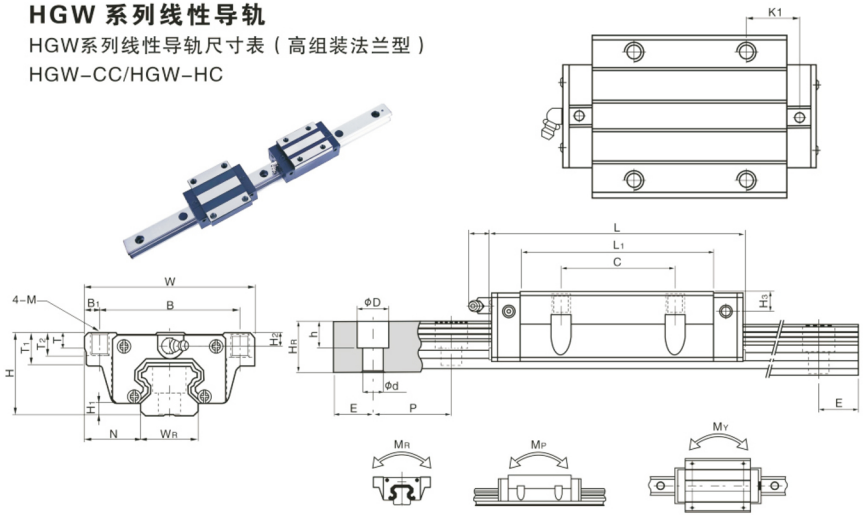
型号	组件尺寸（mm）			滑块尺寸（mm）													滑轨尺寸（mm）							滑轨的固定螺栓尺寸	基本动额定负荷	基本静额定负荷	容许静力矩			重量	
	H	H1	N	W	B	B1	C	L1	L	K1	G	Mx1	T	H2	H3	WR	HR	D	h	d	P	E	(mm)	C(KN)	Co(KN)	MR kN-m	MP kN-m	MY kN-m	滑块 kg	滑轨 kg/m
HGH 15CA	28	4.3	9.5	34	26	4	26	39.4	61.4	10	5.3	M4x5	6	7.95	7.7	15	15	7.5	5.3	4.5	60	20	M4x16	11.38	25.31	0.17	0.15	0.15	0.18	1.45
HGH 20CA	30	4.6	12	44	32	6	36	50.5	77.5	12.25	12	M5x6	8	6	7	20	17.5	9.5	8.5	6	60	20	M5x16	17.75	37.84	0.38	0.27	0.27	0.30	2.21
HGH 20HA							50	65.2	92.2	12.6														21.18	48.84	0.48	0.47	0.47	0.39	
HGH 25CA	40	5.5	12.5	48	35	6.5	35	58	84	16.8	12	M6x8	8	10	13	23	22	11	9	7	60	20	M6x20	26.48	56.19	0.64	0.51	0.51	0.51	3.21
HGH 25HA							50	78.6	104.6	19.6														32.75	76.00	0.87	0.88	0.88	0.69	
HGH 30CA	45	6	16	60	40	10	40	70	97.4	20.25	12	M8x10	8.5	9.5	13.8	28	26	14	12	9	80	20	M8x25	38.74	83.06	1.06	0.85	0.85	0.88	4.47
HGH 30HA							60	93	120.4	21.75														47.27	110.13	1.40	1.47	1.47	1.16	
HGH 35CA	55	7.5	18	70	50	10	50	80	112.4	20.6	12	M8x12	10.2	16	19.6	34	29	14	12	9	80	20	M8x25	49.52	102.87	1.73	1.20	1.20	1.45	6.30
HGH 35HA							72	105.8	138.2	22.5														60.21	136.31	2.29	2.08	2.08	1.92	
HGH 45CA	70	9.5	20.5	86	60	13	60	97	139.4	23	12.9	M10x17	16	18.5	30.5	45	38	20	17	14	105	22.5	M12x35	77.57	155.93	3.01	2.35	2.35	2.73	
HGH 45HA							80	128.8	171.2	28.9														94.54	207.12	4.00	4.07	4.07	3.61	
HGH 55CA	80	13	23.5	100	75	12.5	75	117.7	166.7	27.35	12.9	M12x18	17.5	22	29	53	44	23	20	16	120	30	M14x45	114.44	227.81	5.66	4.06	4.06	4.17	15.08
HGH 55HA							95	155.8	204.8	36.4														139.35	301.26	7.49	7.01	7.01	5.49	
HGH 65CA	90	15	31.5	126	76	25	70	144.2	200.2	43.1	12.9	M16x20	25	15	15	63	53	26	22	18	150	35	M16x50	163.63	324.71	10.02	6.44	6.44	7.00	21.18
HGH 65HA							120	203.6	259.6	47.8														208.36	457.15	14.15	11.12	11.12	9.82	

注：1kgf=9.81 N

HGW 系列线性导轨

HGW系列线性导轨尺寸表（高组装法兰型）

HGW-CC/HGW-HC

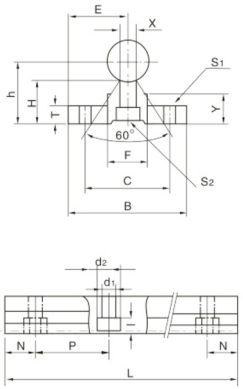


型号	组件尺寸（mm）			滑块尺寸（mm）													滑轨尺寸（mm）							滑轨的固定螺栓尺寸	基本动额定负荷	基本静额定负荷	容许静力矩			重量	
	H	H1	N	W	B	B1	C	L1	L	K1	G	M	T	T1	T2	H2	H3	WR	HR	D	h	d	P	E	(mm)	C(KN)	Co(KN)	MR kN-m	MP kN-m	MY kN-m	滑块 kg	滑轨 kg/m
HGW 15CC	24	4.3	16	47	38	4.5	30	39.4	61.4	8	5.3	M5	6	8.9	6.95	3.95	3.7	15	15	7.5	5.3	4.5	60	20	M4x16	11.38	25.31	0.17	0.15	0.15	0.17	1.45
HGW 20CC	30	4.6	21.5	63	53	5	40	50.5	77.5	10.25	12	M6	8	10	9.5	6	7	20	17.5	9.5	8.5	6	60	20	M5x16	17.75	37.84	0.38	0.27	0.27	0.40	2.21
HGW 20HC								65.2	92.2	17.6															21.18	48.84	0.48	0.47	0.47	0.52	
HGW 25CC	36	5.5	23.5	70	57	6.5	45	58	84	11.8	12	M8	8	14	10	6	9	23	22	11	9	7	60	20	M6x20	26.78	56.19	0.64	0.51	0.51	0.59	3.21
HGW 25HC								78.6	104.6	22.1															32.75	76.00	0.87	0.88	0.88	0.80	
HGW 30CC	42	6	31	90	72	9	52	70	97.4	14.25	12	M10	8.5	16	10	6.5	10.8	28	26	14	12	9	80	20	M8x25	38.74	83.06	1.06	0.85	0.85	1.09	4.47
HGW 30HC								93	120.4	25.75															47.27	110.13	1.40	1.47	1.47	1.44	
HGW 35CC	48	7.5	33	100	82	9	62	80	112.4	14.6	12	M10	10.1	18	13	9	12.6	34	29	14	12	9	80	20	M8x25	49.52	102.87	1.73	1.20	1.20	1.56	6.30
HGW 35HC								105.8	138.2	27.5															60.21	136.31	2.29	2.08	2.08	2.06	
HGW 45CC	60	9.5	37.5	120	100	10	80	97	139.4	13	12.9	M12	15.1	22	15	8.5	20.5	45	38	20	17	14	105	22.5	M12x35	77.57	155.93	3.01	2.35	2.35	2.79	10.41
HGW 45HC								128.8	171.2	28.9															94.547	207.12	4.00	4.07	4.07	3.69	
HGW 55CC	70	13	43.5	140	116	12	95	117.7	166.7	17.35	12.9	M14	17.5	26.5	17	12	19	53	44	23	20	16	120	30	M14x45	114.44	227.81	5.66	4.06	4.06	4.52	15.08
HGW 55HC								158.8	204.8	36.4															139.35	301.26	7.49	7.01	7.01	5.96	
HGW 65CC	90	15	53.5	170	142	14	110	144.2	200.2	23.1	12.9	M16	25	37.5	23	15	15	63	53	26	22	18	150	35	M16x50	163.63	324.71	10.02	6.44	6.44	9.17	21.18
HGW 65HC								203.6	259.6	52.8															208.36	457.15	14.15	11.12	11.12	12.89	

注：1kgf=9.81 N

直线滑动单元支撑系列
Linear motion ball slide units series

SBR



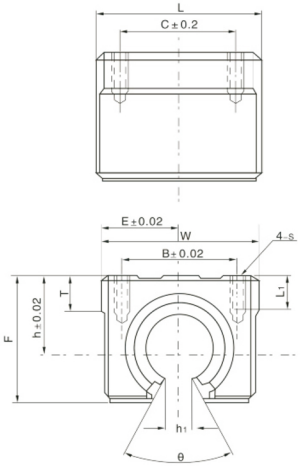
支撑型号 Support Designation	轴径尺寸 Shaft Dimensions	尺寸 Dimensions (mm)											重量 Weight (kg/m)
		E	h	B	H	T	F	X	Y	C	S_1	S_2 $d_1 x d_2 x l$	
SBR16	Φ16	20	25	40	45	5	18.5	8	11.7	30	Φ5.5	5.5X9.5X5.4	1.00
SBR20	Φ20	22.5	27	45	50	5	19	8	10	30	Φ5.5	5.5X9.5X5.4	1.07
SBR25	Φ25	27.5	33	55	60	6	21.5	8	12	35	Φ6.6	6.6X11X6.5	1.50
SBR30	Φ30	30	37	60	70	7	26.5	10.3	13	40	Φ6.6	6.6X11X6.5	1.90
SBR35	Φ35	32.5	43	65	80	8	28	13	15.5	45	Φ 9	9X14X8.6	2.45
SBR40	Φ40	37.5	48	75	90	9	38	15.5	17	55	Φ 9	9X14X8.6	3.25
SBR50	Φ50	47.5	62	95	115	11	45	20	21	70	Φ 11	11X17.5X10.8	5.26

导轨支撑的标准长度和尺寸 Support Rail Stand Lengths and Dimensions

型号 Model No.	SBR16	SBR20	SBR25	SBR30	SBR35	SBR40	SBR50
标准长度 Standard Length L	190	340	250	450	460	460	470
	340	640	450	850	660	660	670
	640	940	850	1250	860	860	870
	940	1240	1250	1450	1060	1060	1070
						1260	1270
N	20	20	25	25	30	30	35
P	150	150	200	200	200	200	200
最大长度Max.Length	1390	1390	1850	1850	1860	1860	2070

直线滑动单元滑块系列
Linear motion ball slide units series

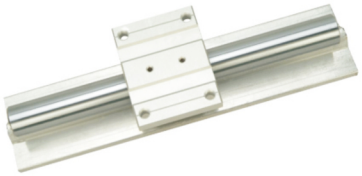
SBR...UU SBR...LUU

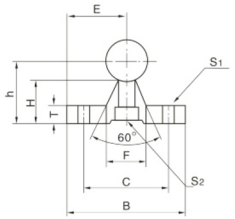


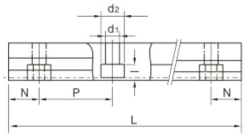
滑块型号 Unit Designation	主要尺寸 Dimensions (mm)												配合直线轴承Slide bush			重量 Weight (kg/m)
	h	E	W	L	F	h1	θ	B	C	S	L_1	T	型号 Designation	基本负荷率 Basic load rating 动 dynamic C/N	静 static C0/N	
SBR 10UU	15	18	36	32	24	6	80°	25	20	M5	10	7	LM10UU-OP	372	549	65
SBR 13UU	17	20	40	39	27.6	8.5	80°	28	28	M5	10	8	LM13UU-OP	510	784	100
SBR 16UU	20	22.5	45	45	33	10	80°	32	30	M5	12	9	LM16UU-OP	774	1180	150
SBR 20UU	23	24	48	50	39	10	60°	35	35	M6	12	11	LM20UU-OP	882	1370	200
SBR 25UU	27	30	60	65	47	11.5	50°	40	40	M6	12	14	LM25UU-OP	980	1570	450
SBR 30UU	33	35	70	70	56	14	50°	50	50	M8	18	15	LM30UU-OP	1570	2740	630
SBR 35UU	37	40	80	80	63	16	50°	55	55	M8	18	18	LM35UU-OP	1670	3140	925
SBR 40UU	42	45	90	90	72	19	50°	65	65	M10	20	20	LM40UU-OP	2160	4020	1330
SBR 50UU	53	60	120	110	92	23	50°	94	80	M10	20	25	LM50UU-OP	3820	7940	3000
SBR 16LUU	20	22.5	45	85	33	10	80°	32	60	M5	12	9	LM16LUU-OP	1548	2360	300
SBR 20LUU	23	24	48	96	39	10	60°	35	70	M6	12	11	LM20LUU-OP	1764	2740	400
SBR 25LUU	27	30	60	130	47	11.5	50°	40	100	M6	12	14	LM25LUU-OP	1960	3140	900
SBR 30LUU	33	35	70	140	56	14	50°	50	110	M8	18	15	LM30LUU-OP	3140	5480	1260
SBR 40LUU	42	45	90	175	72	19	50°	65	180	M10	20	20	LM40LUU-OP	4320	8040	2660

直线滑动单元支撑系列
Linear motion ball slide units series

TBR







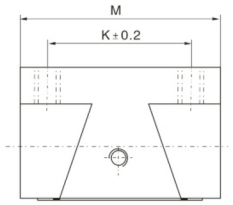
支撑型号 Support Designation	轴径尺寸 Shaft Dimensions	尺寸 Dimensions (mm)									重量 Weight (kg/m)
		E	h	B	H	T	F	C	S_1	S_2	
TBR16	Φ16	25	22.14	50	14.96	6	18.71	37	Φ5.5	5.5X9.5X5.4	1.10
TBR20	Φ20	27.5	29.01	55	19.37	8	18.96	40	Φ5.5	5.5X9.5X5.4	1.80
TBR25	Φ25	32.5	31.97	65	20.14	10	20	45	Φ6.6	6.6X11X6.5	2.05
TBR30	Φ30	37.5	36.52	75	22.45	12	22.96	55	Φ6.6	6.6X11X6.5	2.80

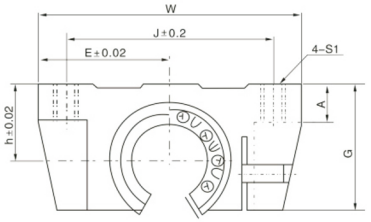
导轨支撑的标准长度和尺寸 Support Rail Stand Lengths and Dimensions

型号 Model No.	TBR16	TBR20	TBR25	TBR30
标准长度 Standard Length L	190	340	250	450
	240	640	450	850
	640	940	850	1250
	940	1240	1250	1450
N	20	20	25	25
P	150	150	200	200
最大长度Max.Length	4000	4000	4000	4000

直线滑动单元滑块系列
Linear motion ball slide units series

TBR...UU TBR...LUU

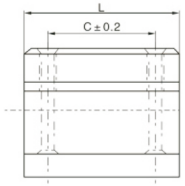


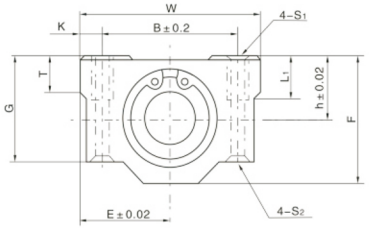


支撑型号 Support Designation	轴承尺寸 Shaft Dimensions	基本负荷率 Basic load rating		尺寸 Dimensions (mm)									配合直线轴承 Slide bush		
		动 dynamic CN	静 static CoN	W	G	A	M	S_1	J	K	E	h	型号 Designation	基本负荷率 Basic load rating 动 dynamic CN	静 static CoN
TBR16UU	Φ16	392	490	62	26	8	42	M5	50	30	31	18	LM16UU-OP	392	490
TBR20UU	Φ20	784	1176	68	31	10	51	M6	54	37	34	21	LM20UU-OP	784	1176
TBR25UU	Φ25	1568	2352	82	41	12	65	M8	65	50	41	28	LM25UU-OP	1568	2352
TBR30UU	Φ30	1764	2940	91	48	12	75	M8	75	60	45.5	33.5	LM30UU-OP	1764	2940
TBR16LUU	Φ16	780	980	62	26	8	85	M5	50	60	31	18	LM16LUU-OP	392	490
TBR20LUU	Φ20	1568	2352	68	31	10	96	M6	54	70	34	21	LM20LUU-OP	784	1176
TBR25LUU	Φ25	3136	4704	82	41	12	130	M8	65	100	41	28	LM25LUU-OP	1568	2352
TBR30LUU	Φ30	3528	5880	91	48	12	140	M8	75	110	45.5	33.5	LM30LUU-OP	1764	2940

直线滑动单元滑块系列
Linear motion ball slide units series

SCS...UU SCS...LUU

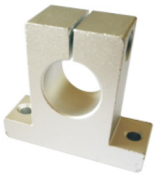


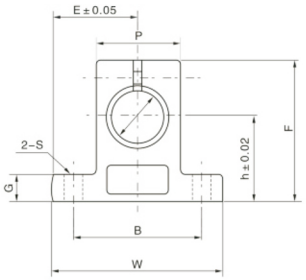


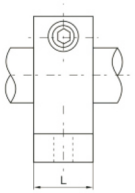
滑块型号 Unit Designation	主要尺寸 Dimensions (mm)													配合直线轴承 Slide bush			重量 Weight (kg/m)
	T	h	E	W	L	F	G	B	C	K	S_1	S_2	L_1	型号 Designation	基本负荷率 Basic load rating 动 dynamic CON	静 static CON	
SCS 6UU	6	9	15	30	25	18	15	20	15	5	M4	3.4	8	LM 6UU	206	265	34
SCS 8UU	6	11	17	34	30	22	18	24	18	5	M4	3.4	8	LM 8UU	274	392	52
SCS 10UU	8	13	20	40	35	26	21	28	21	6	M5	4.3	12	LM 10UU	372	549	92
SCS 12UU	8	15	21	42	36	28	24	30.5	26	5.75	M5	4.3	12	LM 12UU	510	784	102
SCS 13UU	8	15	22	44	39	30	24.5	33	26	5.5	M5	4.3	12	LM13UU	510	784	120
SCS 16UU	9	19	25	50	44	38.5	32.5	36	34	7	M5	4.3	12	LM 16UU	774	1180	200
SCS 20UU	11	21	27	54	50	41	35	40	40	7	M6	5.2	12	LM 20UU	882	1370	255
SCS 25UU	12	26	38	76	67	51.5	42	54	50	11	M8	7	18	LM 25UU	980	1570	600
SCS 30UU	15	30	39	78	72	59.5	49	58	58	10	M8	7	18	LM 30UU	1570	2740	735
SCS 35UU	18	34	45	90	80	68	54	70	60	10	M8	7	18	LM 35UU	1670	3140	1100
SCS 40UU	20	40	51	102	90	78	62	80	60	11	M10	8.7	25	LM 40UU	2160	4020	1590
SCS 50UU	25	52	61	122	110	102	80	100	80	11	M10	8.7	25	LM 50UU	3820	7940	3340
SCS 60UU	30	58	66	132	122	114	94	108	90	12	M10	10.7	25	LM 60UU	4700	10000	4270
SCS 8LUU	6	11	17	34	58	22	18	24	42	5	M4	3.4	8	LM 8LUU	274	392	0.1
SCS 10LUU	8	13	20	40	68	26	21	28	456	6	M5	4.3	12	LM 10LUU	372	549	0.18
SCS 12LUU	8	15	21	42	70	28	24	30.5	50	5.75	M5	4.3	12	LM 12LUU	510	784	0.20
SCS 13LUU	8	15	22	44	75	30	24.5	33	50	5.5	M5	4.3	12	Lm13LUU	510	784	0.23
SCS 16LUU	9	19	25	50	85	38.5	32.5	36	60	7	M5	4.3	12	LM 16LUU	774	1180	0.39
SCS 20LUU	11	21	27	54	96	41	35	40	70	7	M6	5.2	12	LM 20LUU	882	1370	0.49
SCS 25LUU	12	26	38	76	130	51.5	42	54	100	11	M8	7	18	LM 25LUU	980	1570	1.165
SCS 30LUU	15	30	39	78	140	59.5	49	58	110	10	M8	7	18	LM 30LUU	1570	2740	1.43
SCS 35LUU	18	34	45	90	155	68	54	70	120	10	M8	7	18	LM 35LUU	1670	3140	2.13
SCS 40LUU	20	40	51	102	175	78	62	80	140	11	M10	8.7	25	LM 40LUU	2160	4020	3.09
SCS 50LUU	25	52	61	122	215	102	80	100	160	11	M10	8.7	25	LM 50LUU	3820	7940	6.53
SCS 60LUU	30	58	66	132	240	114	94	108	180	12	M12	10.7	25	LM 60LUU	4700	10000	9.29

直线滑动单元支撑系列
Linear motion ball slide units series

SH...A



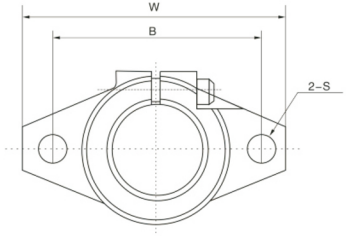


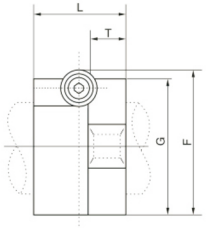


支撑型号 Support Designation	轴承尺寸 Shaft Demensions	主要尺寸 Dimensions (mm)									锁紧螺栓 Locking Bolt	安装螺栓 Clamping Bolt	重量 Weight (kg/m)
		h	E	W	L	F	G	P	B	S			
SH 8A	8	20	21	42	14	32.8	6	18	32	5.5	M4	M5	24
SH 10A	10	20	21	42	14	32.8	6	18	32	5.5	M4	M5	24
SH 12A	12	23	21	42	14	37.5	6	20	32	5.5	M4	M5	30
SH 13A	13	23	21	42	14	37.5	6	20	32	5.5	M4	M5	30
SH 16A	16	27	24	48	16	44	8	25	38	5.5	M4	M5	40
SH 20A	20	31	30	60	20	51	10	30	45	6.6	M5	M6	70
SH 25A	25	35	35	70	24	60	12	38	56	6.6	M6	M6	130
SH 30A	30	42	42	84	28	70	12	44	64	9	M6	M8	180
SH 35A	35	50	49	98	32	82	15	50	74	11	M8	M10	270
SH 40A	40	60	57	114	36	96	15	60	90	11	M8	M10	420
SH 50A	50	70	63	126	40	120	18	74	100	14	M12	M12	750
SH 60A	60	80	74	148	45	136	18	90	120	14	M12	M12	1100

直线滑动单元支撑系列
Winding shape ball joint rod ends series

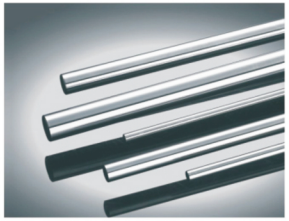
SHF...A





型号 Model No.	轴径 Shaft Diameter	主要尺寸 Dimensions (mm)							锁紧螺栓 Locking Bolt	安装螺栓 Clamping Bolt	重量 Weight (kg/m)
		W	L	T	F	G	B	S			
SHF 3A	3	43	10	5	24	20	32	5.5	M4	M5	0.013
SHF 4A	4	43	10	5	24	20	32	5.5	M4	M5	0.013
SHF 5A	5	43	10	5	24	20	32	5.5	M4	M5	0.013
SHF 6A	6	43	10	5	24	20	32	5.5	M4	M5	0.013
SHF 8A	8	43	10	5	24	20	32	5.5	M4	M5	0.013
SHF 10A	10	43	10	5	24	20	32	5.5	M4	M5	0.013
SHF 12A	12	47	13	7	28	25	36	5.5	M4	M5	0.020
SHF 13A	13	47	13	7	28	25	36	5.5	M4	M5	0.020
SHF 16A	16	50	16	8	31	28	40	5.5	M4	M5	0.027
SHF 20A	20	60	20	8	37	34	48	7	M5	M6	0.040
SHF 25A	25	70	25	10	42	40	56	7	M5	M6	0.060
SHF 30A	30	80	30	12	50	46	64	9	M6	M8	0.110
SHF 35A	35	92	35	14	58	50	72	12	M8	M10	0.380
SHF 40A	40	102	40	16	67	56	80	12	M10	M10	0.510
SHF 50A	50	122	50	19	83	70	96	14	M12	M12	0.890
SHF 60A	60	140	60	23	95	82	112	14	M12	M12	1.500

空心轴
Hollow Shaft



○ 空心轴：可根据客户要求定制内径和壁厚
Hollow shaft：the internal diameter and wall thickness can be customized according to customer requirements.

○ 材质：GCr15 轴承钢（SUJ2），硬度HRC60-62
○ Material:GCr15 (SUJ2), Rigidity:HRC60-62

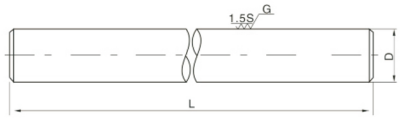
公制空心轴（the metric system of hollow shaft）

型号 Model No.	内径（mm） Inner Diameter	外径（mm） Outer Diameter	精度 Diameter Tolerance		淬硬度深度 Depth of effevtive hardness larer
			g6	h6	
SP12	6	12	−0.006−0.017	0−0.011	0.6~1.5
SP13	6	13	−0.006−0.017	0−0.011	0.6~1.5
SP16	10	16	−0.006−0.017	0−0.011	0.8~2.0
SP20	13	20	−0.007−0.020	0−0.013	0.8~2.0
SP25	17	25	−0.007−0.020	0−0.013	0.8~2.0
SP30	20	30	−0.009−0.025	0−0.016	0.8~3.0
SP35	24	35	−0.009−0.025	0−0.016	0.8~3.0
SP40	30	40	−0.009−0.025	0−0.016	0.8~3.0
SP50	38	50	−0.009−0.025	0−0.016	0.8~3.0
SP60	48	60	−0.010−0.029	0−0.019	0.8~3.0

圆柱直线导轨（光轴）系列
Cylinder linear rail series

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、特殊气缸竿、自动塑木机等工业自动机器。同时由于他的坚硬，还可延长普通精密仪器的传用寿命。

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
等待长度：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

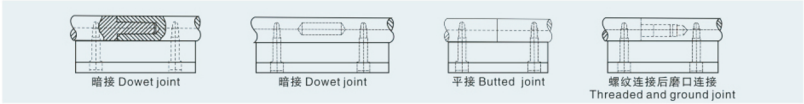


直径 (mm)	型号 WC (WCAS)	型号 WCS	精度(μm) g6	100	200	300	400	500	600	700	800	900	1000	1200	1500	1800	2000	2500	3000	3500	4000	5000	6000			有效条件硬带	重量 (kgf/m)
3	WC3	WCS3	-2~-8																								0.06
4	WC4	WCS4	-4~-12																							不多于1.0	0.10
5	WC5	WCS5																									0.15
6	WC6	WCS6																									0.23
8	WC8	WCS8	-5~-14																								0.40
10	WC10	WCS10																								不少于1.0	0.62
12	WC12	WCS12	-6~-17																								0.89
13	WC13	WCS13																									1.04
16	WC16	WCS16																									1.58
20	WC20	WCS20	-7~-20																							不少于1.5	2.47
25	WC25	WCS25																									3.85
30	WC30	WCS30																								不少于2.0	5.55
35	WC35	WCS35	-9~-25																								7.55
40	WC40	WCS40																								不少于2.5	9.87
50	WC50	WCS50																									15.4
60	WC60	WCS60	-10~-29																								22.2
80	WC80	WCS80																								不少于3.0	39.5
100	WC100	WCS100	-12~-34																								61.7
120	WC120	WCS120																									88.8
150	WC150	WCS150	-14~-39																								139.0

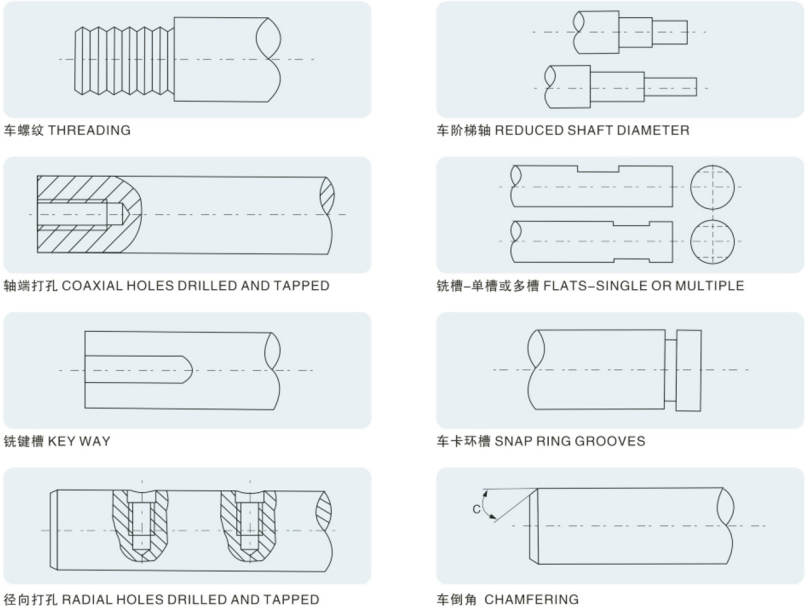
注：1、带颜色 ■ 的厂方可以提供各规格的长度。　2、厂方可提供45#碳钢、20CrMo、40CrMo等材料的产品。

>>> 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 diameterΦ5 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硬铬后完成的，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 propmt quotatine and action. your 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