






轴承 Bearing	系列、尺寸范围 Series and bore diameter range	滑动摩擦副 Sliding contact surfaces	使用温度范围 Permissible operating temperature range	产品特点 Design characteristics	页码 Page
杆端关节轴承 Rod ends					
	SI...E 5~12 SI...ES 15~80 SA...E 5~12 SA...ES 15~80	钢/钢 Steel/Steel	-50℃~+150℃	<p>组装杆端关节轴承由杆端体和向心关节轴承 GE...E 或 GE...ES 组装而成,杆端体材料是碳钢,表面镀锌; 除型号后置代号为 E 外,其余型号可通过油杯或杆端眼孔润滑。</p> <p>Rod end with male or female thread is made up of a rod end and a radial spherical plain bearing of series GE...E or GE...ES, rod end of steel and zinc coated; Can be relubricated via a nipple or a hole in the rod end, except those of the E design.</p>	83-84
	SIJ... 5~22 SAJ... 5~22 SIZJ... 4.83~19.05 SAZJ... 4.83~19.05			<p>挤压杆端关节轴承杆端体材料是碳钢,表面镀锌,挤压成形,内圈材料是轴承钢,淬火,球面镀硬铬。</p> <p>Rod end of steel and zinc coated, with male or female thread press around the inner ring; inner ring of carbon chromium steel, spherical surface with chromium plating.</p>	85-87
	SIBP...S 5~30 SABP...S 5~30 SIZP...S 4.83~25.4 SAZP...S 4.83~25.4	钢/青铜 Steel/Bronze		<p>镶垫杆端关节轴承杆端体材料是碳钢,表面镀锌,滑动表面镶入青铜衬垫; 内圈材料是轴承钢,淬火,球面镀硬铬,除了孔径小于 6.35 外,其余均可通过油杯润滑。</p> <p>Rod end of steel and zinc coated, with male or female thread, spherical surface with bronze liner; inner ring of carbon chromium steel, spherical surface with chromium plating; Can be relubricated via a nipple or a hole in the rod end, except hole diameter <math>d \leq 6.35</math>.</p>	88-91
	SI...C 5~30 SA...C 5~30	钢/PTFE 复合材料 Steel/PTFE composite material		<p>自润滑组装杆端关节轴承是由杆端体和自润滑向心关节轴承 GE...C 组装而成,杆端体材料是碳钢,表面镀锌; 无需润滑。</p> <p>Maintenance-free rod end with male or female thread is made up of a rod end and maintenance-free radial spherical plain bearing of series GE...C, rod end of steel and zinc coated; maintenance-free.</p>	92-93
	SI...ET-2RS 15~80 SA...ET-2RS 15~80	钢/PTFE 编织物 Steel/PTFE fabric	-30℃~+130℃	<p>自润滑组装杆端关节轴承是由杆端体和自润滑向心关节轴承 GE...ET-2RS 组装而成,杆端体材料是碳钢,表面镀锌; 无需润滑。</p> <p>Maintenance-free rod end with male or female thread is made up of a rod end and maintenance-free radial spherical plain bearing of series GE...ET-2RS, rod end of steel and zinc coated; maintenance-free.</p>	92-93

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	SIJK...C 5~30 SAJK...C 5~30 SIK...C 5~20 SAK...C 5~20	钢/PTFE 复合材料 Steel/PTFE composite material	-50℃~+150℃	自润滑组装杆端关节轴承杆端体材料是碳钢，表面镀锌；外圈材料是青铜，滑动表面衬有 PTFE 复合材料，无需润滑；内圈材料是轴承钢，淬火，球面镀硬铬。 Rod end of steel and zinc coated, with male or female thread; outer ring of bronze, with sliding surface of PTFE composite material, maintenance-free; inner ring of carbon chromium steel, spherical surface with hard chromium plating.	94-96
	SIBP...N 5~20 SABP...N 5~20 SIZP...N 4.83~19.05 SAZP...N 4.83~19.05	钢/PTFE 塑料 Steel/PTFE plastic	-40℃~+75℃	自润滑组装杆端关节轴承是由杆端体、内圈和 PTFE 塑料组成，杆端体材料是碳钢，表面镀锌，无需润滑；内圈材料是轴承钢，淬火，球面镀硬铬。 Maintenance-free rod end with male or female thread is made up of a rod end, inner ring and PTFE plastic; Rod end of steel and zinc coated, maintenance-free; inner ring of carbon chromium steel, spherical surface with hard chromium plating.	97-99
	SK...E 10~12 SK...ES 15~80	钢/钢 Steel/Steel	-50℃~+150℃	焊接型杆端关节轴承由杆端体和向心关节轴承 GE...E 或 GE...ES 组装而成，杆端体材料是易焊接钢，杆端柄部装有弹性销，便于焊接时定位；可通过油杯或杆端眼孔润滑。 Rod end with welding shank is made up of a rod end and a radial spherical plain bearing of series GE...E or GE...ES, rod end of weldable steel, with dowel pin in shank bottom and 45° welding chamfer; Can be relubricated via a nipple or a hole in the rod end.	100
	SF...ES 15~120			焊接型杆端关节轴承由杆端体和向心关节轴承 GE...ES 或 GEEW...ES 组装而成，用挡圈固定，杆端体材料是易焊接钢，带有长方形焊接面；可通过油杯润滑。 Rod end with welding shank is made up of a rod end and a radial spherical plain bearing of series GE...ES or GEEW...ES, fixed in housing by snap rings, rod end of weldable steel, with rectangular welding face; Can be relubricated via a nipple.	101
	SFEW...ES 20~110				102

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	SIR...ES 20~120	钢/钢 Steel/Steel	-50℃~+150℃	带锁口杆端关节轴承由杆端体和向心关节轴承GE...ES 组装而成，用挡圈固定， $d < 60$ ，杆端体材料是碳钢， $60 \leq d \leq 90$ ，杆端体材料是碳钢或球墨铸铁， $d > 90$ ，杆端体材料是球墨铸铁，SIR...ES 杆端体的内螺纹带有锁口，配有螺钉紧固；SIRN...ES 杆端体无锁紧螺钉，均可通过油杯润滑。 Rod end with locking slot is made up of a rod end and a radial spherical plain bearing of series GE...ES, fixed in housing by snap rings, rod end of carbon steel ( $d < 60$ ); carbon steel or spheroidal graphite cast iron ( $60 \leq d \leq 90$ ); spheroidal graphite cast iron ( $d > 90$ ). Thread can be closed because shank is slotted, thread clamping by two hexagon socket screws of series SIR...ES; without socket screw of SIRN...ES; All can be relubricated via a nipple.	103
	SIRN...ES 20~120				104
	SIGEW...ES 12~200			带锁口杆端关节轴承由杆端体和向心关节轴承GEEW...ES 组装而成，用挡圈固定， $d < 63$ ，杆端体材料是碳钢， $63 \leq d \leq 80$ ，杆端体材料是碳钢或球墨铸铁， $d > 80$ ，杆端体材料是球墨铸铁，杆端体的内螺纹带有锁口，配有螺钉紧固；可通过油杯润滑。 Rod end with locking slot is made up of a rod end and a radial spherical plain bearing of series GEEW...ES, fixed in housing by snap rings, rod end of carbon steel ( $d < 63$ ); carbon steel or spheroidal graphite cast iron ( $63 \leq d \leq 80$ ); spheroidal graphite cast iron ( $d > 80$ ). Thread can be closed because shank is slotted, thread clamping by two hexagon socket screws; Can be relubricated via a nipple.	105
	SIQ...ES 12~100			带锁口杆端关节轴承由杆端体和向心关节轴承GE...ES 组装而成，杆端体材料是碳钢，杆端体的内螺纹带有锁口，配有螺钉紧固；可通过油杯润滑。 Rod end with locking slot is made up of a rod end and a radial spherical plain bearing of series GE...ES, rod end of carbon steel, Thread can be closed because shank is slotted, thread clamping by two hexagon socket screws; Can be relubricated via a nipple.	106
	SIA...ES 25~160			带锁口杆端关节轴承由杆端体和向心关节轴承GE...ES 组装而成，用挡圈固定， $d \leq 50$ ，杆端体材料是碳钢， $d > 50$ ，杆端体材料是球墨铸铁，杆端体的内螺纹带有锁口，配有螺钉紧固；可通过油杯润滑。 Rod end with locking slot is made up of a rod end and a radial spherical plain bearing of series GE...ES, fixed in housing by snap rings, rod end of carbon steel ( $d \leq 50$ ) or spheroidal graphite cast iron ( $d > 50$ ), Thread can be closed because shank is slotted, thread clamping by two hexagon socket screws; Can be relubricated via a nipple.	107

**杆端关节轴承**分别可由带有座孔的杆端体和向心关节轴承、杆端体和内圈或杆端体和内圈、滑动层组成，通常可分为左、右旋和内、外螺纹。LS 杆端关节轴承滑动摩擦副可由不同材料组成，主要有钢对钢、钢对青铜、钢对 PTFE 复合材料、钢对 PTFE 编织物和钢对 PTFE 塑料五种。

LS 钢对钢杆端关节轴承和 LS 钢对青铜杆端关节轴承具有较好的耐磨损能力，在少润滑情况下也能正常工作，但在正常情况下，周期性润滑是必须的。这种轴承特别适合于承受交变重载。

LS 自润滑杆端关节轴承滑动摩擦副有三种：钢对 PTFE 复合物、钢对 PTFE 编织物和钢对 PTFE 塑料，这种轴承具有较低的摩擦系数，工作中不需维护。它们应用于需要较长使用寿命或由于工作中无法润滑使钢对钢轴承不适合的场合中，适合于承受恒定重载。

Rod ends consist of an eye-shaped head with integral shank forming a housing and a standard spherical plain bearing, or a spherical plain bearing inner ring, or a spherical plain bearing inner ring and a sliding layer between the bore of the head and the inner ring. As a rule, rod ends are available with left or right-hand female or male threads. LS rod ends have the sliding contact surface combinations steel-on-steel, steel-on-bronze, steel-on-PTFE composite material, steel-on-PTFE fabric and steel-on-PTFE plastic.

LS steel-on-steel and steel-on-bronze rod ends have very wear-resistant sliding surfaces and perform well under conditions of lubricant starvation. Rod ends with this sliding contact surface combination require regular relubrication. They are particularly suited for bearing arrangements where heavy alternating loads have to be accommodated.

LS maintenance-free rod ends sliding contact surfaces have three groups: steel-on-PTFE composite material, steel-on-PTFE fabric and steel-on-PTFE plastic. They have very low friction and can be operated without maintenance. They are used for applications where long bearing lives are required without maintenance, or where operating conditions, such as inadequate lubrication or the absence of lubrication make the use of steel-on-steel bearing inadvisable. The maintenance-free bearings are primarily intended for applications where loads are heavy and have a constant direction.



## 杆端关节轴承公差

Tolerances for Rod ends

内圈 Inner ring

SI···E, SI···ES, SA···E, SA···ES, SIR···ES, SIRN···ES, SIA···ES, SIQ···ES, SK···ES, SF···ES, SI···C, SA···C, SI···ET-2RS, SA···ET-2RS 的  $\Delta dmp$ ,  $\Delta Bs$  同向心关节轴承 GE···E, GE···ES, GE···C, GE···ET-2RS。

The  $\Delta dmp$  and  $\Delta Bs$  of SI···E, SI···ES, SA···E, SA···ES, SIR···ES, SIRN···ES, SIA···ES, SIQ···ES, SK···ES, SF···ES, SI···C, SA···C, SI···ET-2RS, SA···ET-2RS are the same as radial spherical plain bearings GE···E, GE···ES, GE···C and GE···ET-2RS.

SIGEW···ES, SFEW···ES 的  $\Delta dmp$ ,  $\Delta Bs$  同向心关节轴承 GEEW···ES。

The  $\Delta dmp$  and  $\Delta Bs$  of SIGEW···ES, SFEW···ES are the same as radial spherical plain bearings GEEW···ES.

SIBP···S, SABP···S, SIZP···S, SAZP···S, SIZJ···, SAZJ··· 的  $\Delta dmp$ ,  $\Delta Bs$  同向心关节轴承 GEBK···S。

The  $\Delta dmp$  and  $\Delta Bs$  of SIBP···S, SABP···S, SIZP···S, SAZP···S, SIZJ··· and SAZJ··· are the same as radial spherical plain bearings GEBK···S.

SIJK···C, SAJK···C, SIK···C, SAK···C 系列 Series SIJK···C, SAJK···C, SIK···C, SAK···C

d mm		$\Delta dmp$ um		$\Delta Bs$ um	
超过 over	到 incl.	max	min	max	min
—	6	+12	0	0	-150
6	10	+15	0	0	-150
10	12	+18	0	0	-150
12	18	+18	0	0	-200
18	30	+21	0	0	-200

中心高偏差 Center height deviation

d mm		$\Delta hs$ mm		$\Delta h_{1s}$ mm	
超过 over	到 incl.	max	min	max	min
—	6	+0.80	-1.20	+0.65	-1.05
6	20	+0.80	-1.20	+0.80	-1.20
20	30	+1.00	-1.70	+1.00	-1.70
30	45	+1.40	-2.10	+1.40	-2.10
45	60	+1.80	-2.70	+1.80	-2.70
60	80	+2.25	-3.40	+2.25	-3.40
80	125	+2.70	-3.40	+2.70	-3.40
125	200	+3.20	-4.20	+3.20	-4.20

尺寸和公差符号说明详见 P25

Details of dimension and tolerance symbols see page 25

## 杆端关节轴承径向游隙

Radial internal clearance of rod ends

SI···E, SI···ES, SA···E, SA···ES, SK···ES, SF···ES, SFEW···ES, SIRN···ES, SIR···ES, SIGEW···ES, SIQ···ES, SIA···ES 系列

Series SI···E, SI···ES, SA···E, SA···ES, SK···ES, SF···ES, SFEW···ES, SIRN···ES, SIR···ES, SIGEW···ES, SIQ···ES, SIA···ES

d mm		基本组 Group normal $\mu m$	
超过 over	到 incl.	min	max
—	12	23	68
12	20	30	82
20	35	37	100
35	60	43	120
60	90	55	142
90	125	65	165
125	200	65	192

SI...C, SA...C, SI...ET-2RS, SA...ET-2R, SIBP...N, SABP...N, SIZP...N, SAZP...N 系列

Series SI...C, SA...C, SI...ET-2RS, SA...ET-2RS, SIBP...N, SABP...N, SIZP...N, SAZP...N

d mm		基本组 Group normal um	
超过 over	到 incl.	min	max
—	12	0	32
12	20	0	40
20	35	0	50
35	60	0	60
60	80	0	72

SIJ..., SAJ..., SIZJ..., SAZJ...系列 Series SIJ..., SAJ..., SIZJ..., SAZJ...

d mm		基本组 Group normal um	
超过 over	到 incl.	min	max
—	8	10	30
8	14	15	60
14	22	40	80

SIJK...C, SAJK...C, SIK...C, SAK...C 系列 Series SIJK...C, SAJK...C, SIK...C, SAK...C

d mm		基本组 Group normal um	
超过 over	到 incl.	min	max
—	12	0	32
12	20	0	40
20	30	0	50

SIBP...S, SABP...S, SIZP...S, SAZP...S 系列 Series SIBP...S, SABP...S, SIZP...S, SAZP...S

d mm		基本组 Group normal um	
超过 over	到 incl.	min	max
—	30	0	35

### 杆端关节轴承配合

Fits of rod ends

轴配合 Shaft fits

工作条件 Operating conditions	公差 Tolerance
方向不定载荷 With indeterminate loads	n6, p6
一般条件 Normal conditions	h6, h7

螺纹 Thread

外螺纹 Male thread	内螺纹 Female thread
6g	6H
UNF-2A	UNF-2B

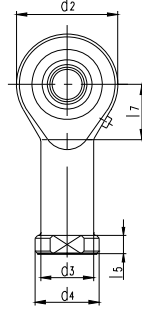
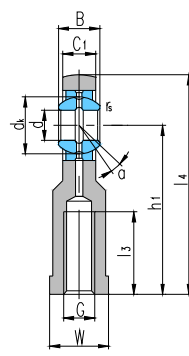
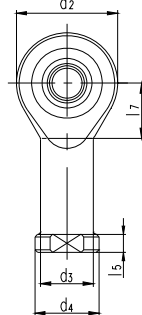
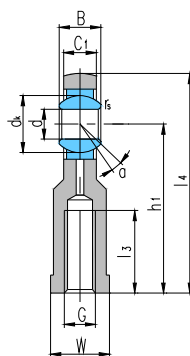
轴径公差 Shaft diameter tolerances

轴径 Shaft diameter mm		轴径公差 Shaft diameter tolerances um							
		h6		h7		n6		p6	
超过 over	到 incl.	high	low	high	low	high	low	high	low
3	6	0	-8	0	-12	+16	+8	+20	+12
6	10	0	-9	0	-15	+19	+10	+24	+15
10	18	0	-11	0	-18	+23	+12	+29	+18
18	30	0	-13	0	-21	+28	+15	+35	+22
30	50	0	-16	0	-25	+33	+17	+42	+26
50	80	0	-19	0	-30	+39	+20	+51	+32
80	120	0	-22	0	-35	+45	+23	+59	+37
120	180	0	-25	0	-40	+52	+27	+68	+43
180	200	0	-29	0	-46	+60	+31	+79	+50





# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 钢

SI...E

SI...ES

Sliding contact surfaces: Steel / Steel

轴承 型号 Bearing number	外形尺寸 Dimensions mm																额定载荷 Load Ratings kN		重量 Weight ≈kg
	d	B	d <sub>K</sub>	C <sub>1</sub> max	d <sub>2</sub>	G 6H	h <sub>1</sub>	l <sub>3</sub> min	l <sub>4</sub>	l <sub>5</sub>	l <sub>7</sub>	W	d <sub>3</sub>	d <sub>4</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic	静载荷 Static	
SI5E <sup>1)</sup>	5	6	10	4.5	21	M5	30	11	40.5	5	11.5	10	10	13	0.3	13	3.4	8.1	0.021
SI6E <sup>1)</sup>	6	6	10	4.5	21	M6	30	11	40.5	5	11.5	11	11	13	0.3	13	3.4	8.1	0.021
SI8E <sup>1)</sup>	8	8	13	6.5	24	M8	36	15	48	5	13	13	13	16	0.3	15	5.5	12.9	0.039
SI10E <sup>1)</sup>	10	9	16	7.5	29	M10	43	20	57.5	6.5	15	16	16	19	0.3	12	8.1	17.6	0.065
SI12E <sup>1)</sup>	12	10	18	8.5	34	M12	50	23	67	7	18	18	19	22	0.3	10	10	24.5	0.096
SI15ES <sup>2)</sup>	15	12	22	10.5	40	M14	61	30	81	8	21	21	21	26	0.3	8	16	36	0.16
SI17ES <sup>2)</sup>	17	14	25	11.5	46	M16	67	34	90	10	23	27	25	29	0.3	10	21	45	0.24
SI20ES <sup>2)</sup>	20	16	29	13.5	53	M20×1.5	77	40	103.5	10	25.5	30	28	34	0.3	9	30	60	0.35
SI25ES	25	20	35.5	18	64	M24×2	94	48	126	12	33	36	35	42	0.6	7	48	83	0.66
SI30ES	30	22	40.7	20	73	M30×2	110	56	146.5	15	37.5	46	42	50	0.6	6	62	110	0.98
SI35ES	35	25	47	22	82	M36×3	125	60	166	15	40	55	48	58	0.6	6	79	146	1.5
SI40ES	40	28	53	24	92	M39×3	142	65	188	18	47	60	52	65	0.6	7	99	180	2.1
SI45ES	45	32	60	28	102	M42×3	145	65	196	20	52	65	58	70	0.6	7	127	240	2.7
SI50ES	50	35	66	31	112	M45×3	160	68	216	20	57	70	62	75	0.6	6	156	290	3.5
SI60ES	60	44	80	39	135	M52×3	175	70	242.5	20	68.5	80	70	88	1	6	245	450	5.6
SI70ES	70	49	92	43	160	M56×4	200	80	280	20	81	85	80	98	1	6	313	610	8.3
SI80ES	80	55	105	48	180	M64×4	230	85	320	25	91	95	95	110	1	6	400	750	13

<sup>1)</sup>不能润滑。Can not be relubricated.

<sup>2)</sup>只能通过杆端眼孔润滑。Can only be relubricated through the rod end housing.

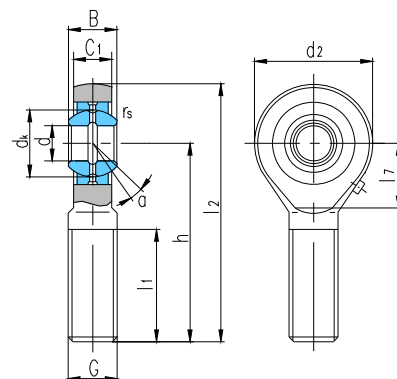
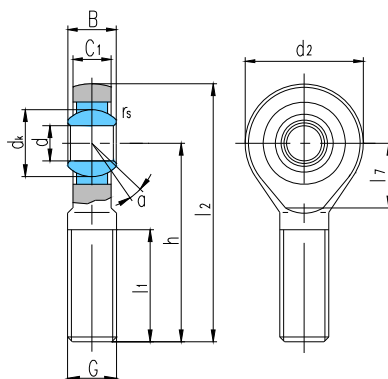
可提供不同螺距或螺纹精度有特殊要求的杆端关节轴承。Can supply other rod ends with different pitch or accuracy of thread.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“左”，例如：SI120ES M20×1.5 左-6H。

For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SI120ES M20×1.5L-6H.



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 钢

SA...E

SA...ES

Sliding contact surfaces: Steel / Steel

轴 承 型 号 Bearing number	外形尺寸 Dimensions												额定载荷 Load ratings kN		重量 Weight ≈kg
	d	B	dk	C1 max	d2	G 6g	h	l1 min	l2	l7	rs min	α° ≈	动载荷 Dynamic	静载荷 Static	
SA5E <sup>1)</sup>	5	6	10	4.5	21	M5	36	16	46.5	11.5	0.3	13	3.4	3.9	0.017
SA6E <sup>1)</sup>	6	6	10	4.5	21	M6	36	16	46.5	11.5	0.3	13	3.4	5.5	0.017
SA8E <sup>1)</sup>	8	8	13	6.5	24	M8	42	21	54	13	0.3	15	5.5	10	0.029
SA10E <sup>1)</sup>	10	9	16	7.5	29	M10	48	26	62.5	15.5	0.3	12	8.1	16	0.050
SA12E <sup>1)</sup>	12	10	18	8.5	34	M12	54	28	71	18	0.3	10	10	23	0.066
SA15ES <sup>2)</sup>	15	12	22	10.5	40	M14	63	34	83	21	0.3	8	16	32	0.12
SA17ES <sup>2)</sup>	17	14	25	11.5	46	M16	69	36	92	24	0.3	10	21	44	0.19
SA20ES <sup>2)</sup>	20	16	29	13.5	53	M20×1.5	78	43	104.5	25.5	0.3	9	30	60	0.31
SA25ES	25	20	35.5	18	64	M24×2	94	53	126	31	0.6	7	48	83	0.56
SA30ES	30	22	40.7	20	73	M30×2	110	65	146.5	35.5	0.6	6	62	110	0.89
SA35ES	35	25	47	22	82	M36×3	140	82	181	41	0.6	6	79	146	1.4
SA40ES	40	28	53	24	92	M39×3	150	86	196	47	0.6	7	99	180	1.8
SA45ES	45	32	60	28	102	M42×3	163	92	214	52	0.6	7	127	240	2.5
SA50ES	50	35	66	31	112	M45×3	185	104	241	60	0.6	6	156	290	3.6
SA60ES	60	44	80	39	135	M52×3	210	115	277.5	75.5	1.0	6	245	450	5.7
SA70ES	70	49	92	43	160	M56×4	235	125	315	95	1.0	6	313	610	7.9
SA80ES	80	55	105	48	180	M64×4	270	140	360	105.5	1.0	6	400	750	12

<sup>1)</sup>不能润滑。Can not be relubricated.

<sup>2)</sup>只能通过杆端眼孔润滑。Can only be relubricated through the rod end housing.

可提供不同螺距或螺纹精度有特殊要求的杆端关节轴承。Can supply other rod ends with different pitch or accuracy of thread.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“左”，例如：SAL20ES M20×1.5 左-6g。

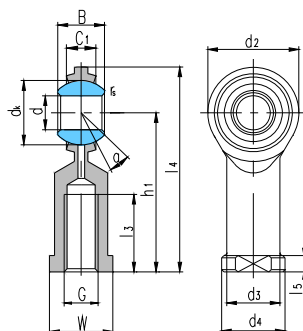
For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SAL20ES M20×1.5L-6g.



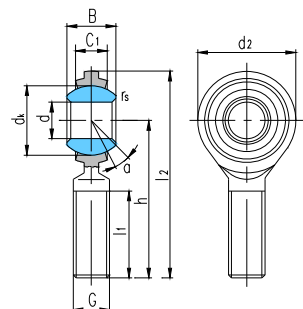
## 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 钢



SIJ...



SAJ...

Sliding contact surfaces: Steel / Steel

轴承 型号 Bearing number	外形尺寸 Dimensions															额定载荷 Load ratings kN		重量 Weight ≈kg
	d	B	d <sub>K</sub>	C <sub>1</sub> max	d <sub>2</sub>	G	h <sub>1</sub>	l <sub>3</sub> min	l <sub>4</sub>	l <sub>5</sub>	W	d <sub>3</sub>	d <sub>4</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic	静载荷 Static	
SIJ5	5	8	11.112	7	16	M5	27	12.5	35	4	10	9	12	0.3	7	2.3	5.9	0.016
SIJ6	6	9	12.7	7	18	M6	30	13.5	39	5	11	10	13	0.3	11	3.2	6.5	0.020
SIJ8	8	12	15.875	9	22	M8	36	16	47	5	14	12.5	16	0.3	14	5.3	8	0.037
SIJ10	10	14	19.05	11	26	M10	43	19.5	56	6.5	17	15	19	0.3	12	7.3	10.5	0.061
SIJ12	12	16	22.225	12	30	M12	50	24	65	6.5	19	17.5	22	0.3	13	8.5	13	0.089
SIJ14	14	19	25.4	14	34	M14	57	27	74	8	22	20	25	0.3	14	12	17	0.135
SIJ16	16	21	28.575	15	38	M16	64	33	83	8	22	22	27	0.3	15	16.5	21	0.171
SIJ18	18	23	31.75	17	42	M18×1.5	71	36	92	10	27	25	31	0.6	14	20	25.5	0.246
SIJ20	20	25	34.925	18	46	M20×1.5	77	40	100	10	30	27.5	34	0.6	14	23	30	0.314
SIJ22	22	28	38.1	20	50	M22×1.5	84	43	109	12	32	30	37	0.6	15	27.5	35.5	0.410

轴 承 型 号  Bearing number	外 形 尺 寸  Dimensions											额定载荷  Load ratings    kN		重量  Weight  ≈kg
	d	B	d <sub>k</sub>	C <sub>1</sub> max	d <sub>2</sub>	G	h	l <sub>1</sub> min	l <sub>2</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic	静载荷 Static	
SAJ5	5	8	11.112	7	16	M5	33	20	41	0.3	7	2.3	2.5	0.011
SAJ6	6	9	12.7	7	18	M6	36	22	45	0.3	11	3.2	4	0.015
SAJ8	8	12	15.875	9	22	M8	42	25	53	0.3	14	5.3	7.5	.030
SAJ10	10	14	19.05	11	26	M10	48	29	61	0.3	12	7.3	10.5	0.048
SAJ12	12	16	22.225	12	30	M12	54	33	69	0.3	13	8.5	13	0.076
SAJ14	14	19	25.4	14	34	M14	60	36	77	0.3	14	12	17	0.115
SAJ16	16	21	28.575	15	38	M16	66	40	85	0.3	15	16.5	21	0.159
SAJ18	18	23	31.75	17	42	M18×1.5	72	44	93	0.6	14	20	25.5	0.222
SAJ20	20	25	34.925	18	46	M20×1.5	78	47	101	0.6	14	23	30	0.292
SAJ22	22	28	38.1	20	50	M22×1.5	84	51	109	0.6	15	27.5	35.5	0.381

可提供不同螺纹精度要求的杆端关节轴承。Can supply other rod ends with different accuracy of thread.

可提供滑动摩擦副为钢/PTFE 复合材料或钢/PTFE 编织物的杆端关节轴承。Can supply other rod ends with Sliding contact surfaces Steel / PTFE composite material or Steel / PTFE fabric.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“左”，例如：SILJ12 M12 左-6H，SALJ12 M12 左-6g。

For left-hand thread, suffix “L” is added to bearings number and suffix “LH” is added to thread sign,

e.g. SILJ12 M12L-6H, SALJ12 M12L-6g.

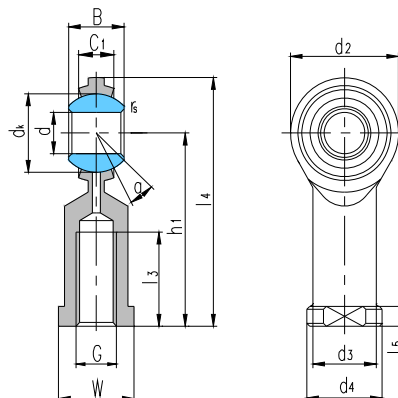
以上产品的杆端体和内圈可用不锈钢制造，轴承型号后面加“X”标识，即 SIJ.../X。

The rod and inner ring of the bearings is of stainless steel and the mark of the items has a letter “X”. That is SIJ.../X..





# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 钢

Sliding contact surfaces: Steel / Steel

轴 承 型 号 Bearing number	外形尺寸 Dimensions mm/inch															额定载荷 Load ratings kN		重量 Weight ≈kg
	d	B	d <sub>k</sub>	C <sub>1</sub> max	d <sub>2</sub>	G	h <sub>1</sub>	l <sub>3</sub> min	l <sub>4</sub>	l <sub>5</sub>	W	d <sub>3</sub>	d <sub>4</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic	静载荷 Static	
SIZJ4	4.83	7.92	11.1	5.94	15.88	10-32	26.97	12.70	34.93	4.75	7.92	7.54	10.31	0.3	10	3.6	6.8	0.018
	0.19	0.312	0.437	0.234	0.625		1.062	0.5	1.375	0.187	0.312	0.297	0.406	0.012				
SIZJ6	6.35	9.53	12.7	6.35	19.05	1/4-28	33.32	15.88	42.85	4.75	9.53	9.15	11.91	0.3	13.5	5.4	9.6	0.023
	0.25	0.375	0.5	0.25	0.75		1.312	0.625	1.687	0.187	0.375	0.36	0.469	0.012				
SIZJ7	7.94	11.10	15.88	7.92	22.23	5/16-24	34.93	15.88	46.02	4.75	11.1	10.72	12.70	0.3	11	8.5	12	0.036
	0.3125	0.437	0.625	0.312	0.875		1.375	0.625	1.812	0.187	0.437	0.422	0.5	0.012				
SIZJ9	9.53	12.70	18.26	9.12	25.40	3/8-24	41.28	19.05	53.98	6.35	14.27	13.89	17.45	0.6	11	11	16	0.059
	0.375	0.5	0.719	0.359	1		1.625	0.75	2.125	0.25	0.562	0.547	0.687	0.024				
SIZJ11	11.11	14.27	20.62	10.31	28.58	7/16-20	46.02	22.23	60.33	6.35	15.88	15.49	19.05	0.6	10.5	14	21	0.082
	0.4375	0.562	0.812	0.406	1.125		1.812	0.875	2.375	0.25	0.625	0.61	0.75	0.024				
SIZJ12	12.7	15.88	23.81	11.50	33.32	1/2-20	53.98	25.40	70.64	6.35	19.05	18.67	22.23	0.6	10	18	28	0.132
	0.5	0.625	0.937	0.453	1.312		2.125	1	2.781	0.25	0.75	0.735	0.875	0.024				
SIZJ15	15.88	19.05	28.58	12.29	38.10	5/8-18	63.50	31.75	82.55	7.92	22.23	21.84	25.40	0.6	13	23	29	0.195
	0.625	0.75	1.125	0.484	1.5		2.5	1.25	3.25	0.312	0.875	0.86	1	0.024				
SIZJ19	19.05	22.23	33.32	15.06	44.45	3/4-16	73.03	34.93	95.25	7.92	25.4	25.02	28.58	0.6	12	34	44	0.295
	0.75	0.875	1.312	0.593	1.75		2.875	1.375	3.75	0.312	1	0.985	1.125	0.024				

可提供不同螺纹精度要求的杆端关节轴承。Can supply other rod ends with different accuracy of thread.

可提供滑动摩擦副为钢/ PTFE 复合材料或钢/ PTFE 编织物的杆端关节轴承。Can supply other rod ends with

Sliding contact surfaces Steel / PTFE composite material or Steel / PTFE fabric.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“LH”，例如：SILZJ12 1/2-20-2BLH。

For left-hand thread, suffix “L” is added to bearings number and suffix “LH” is added to thread sign,

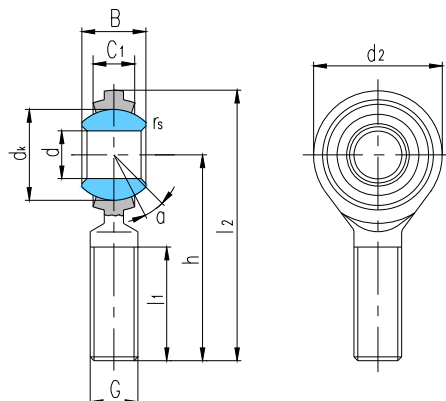
e.g. SILZJ12 1/2-20-2BLH.

以上产品的杆端体和内圈可用不锈钢制造，轴承型号后面加“X”标识，即 SIZJ.../X。

The rod and inner ring of the bearings is of stainless steel and the mark of the items has a letter “X”. That is SIZJ.../X..



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 钢

Sliding contact surfaces: Steel / Steel

轴 承 型 号	外 形 尺 寸											额定载荷		重量
	Dimensions											Load ratings kN		
Bearing number	d	B	d <sub>k</sub>	C <sub>1</sub> max	d <sub>2</sub>	G	h	l <sub>1</sub> min	l <sub>2</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic	静载荷 Static	Weight ≈kg
SAZJ4	4.83	7.92	11.1	5.94	15.88	10-32	31.75	19.05	39.70	0.3	10	3.6	3.8	0.014
	0.19	0.312	0.437	0.234	0.625		1.25	0.75	1.563	0.012				
SAZJ6	6.35	9.53	12.7	6.35	19.05	1/4-28	39.67	25.40	49.20	0.3	13.5	5.4	6.6	0.018
	0.25	0.375	0.5	0.25	0.75		1.562	1	1.937	0.012				
SAZJ7	7.94	11.10	15.88	7.92	22.23	5/16-24	47.63	31.75	58.72	0.3	11	8.5	12	0.032
	0.3125	0.437	0.625	0.312	0.875		1.875	1.25	2.312	0.012				
SAZJ9	9.53	12.70	18.26	9.12	25.40	3/8-24	49.23	31.75	61.93	0.6	11	11	16	0.050
	0.375	0.5	0.719	0.359	1		1.938	1.25	2.438	0.024				
SAZJ11	11.11	14.27	20.62	10.31	28.58	7/16-20	53.98	34.93	68.28	0.6	10.5	14	21	0.068
	0.4375	0.562	0.812	0.406	1.125		2.125	1.375	2.688	0.024				
SAZJ12	12.7	15.88	23.81	11.50	33.32	1/2-20	61.93	38.10	78.59	0.6	10	18	28	0.11
	0.5	0.625	0.937	0.453	1.312		2.438	1.5	3.094	0.024				
SAZJ15	15.88	19.05	28.58	12.29	38.10	5/8-18	66.68	41.28	85.73	0.6	13	23	29	0.16
	0.625	0.75	1.125	0.484	1.5		2.625	1.625	3.375	0.024				
SAZJ19	19.05	22.23	33.32	15.06	44.45	3/4-16	73.03	44.45	95.25	0.6	12	34	44	0.26
	0.75	0.875	1.312	0.593	1.75		2.875	1.75	3.75	0.024				

可提供不同螺纹精度要求的杆端关节轴承。Can supply other rod ends with different accuracy of thread.

可提供滑动摩擦副为钢/ PTFE 复合材料或钢/ PTFE 编织物的杆端关节轴承。Can supply other rod ends with Sliding contact surfaces Steel / PTFE composite material or Steel / PTFE fabric.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“LH”，例如：SALZJ12 1/2-20-2ALH。

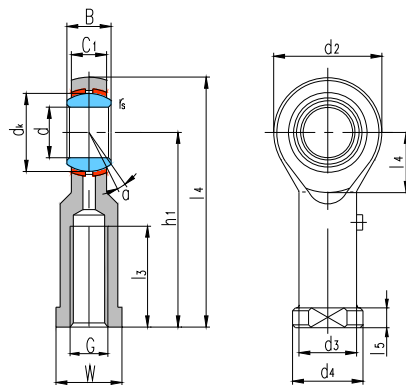
For left-hand thread, suffix “L” is added to bearings number and suffix “LH” is added to thread sign, e.g. SALZJ12 1/2-20-2ALH.

以上产品的杆端体和内圈可用不锈钢制造，轴承型号后面加“X”标识，即SAZJ···/X。

The rod and inner ring of the bearings is of stainless steel and the mark of the items has a letter “X”. That is SAZJ···/X..



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 青铜

Sliding contact surfaces: Steel / Bronze

轴 承 型 号  Bearing number	外 形 尺 寸 Dimensions																额定载荷 Load ratings    kN		重量 Weight ≈kg
	mm																kN		
	d	B	d <sub>K</sub>	C <sub>1</sub> max	d <sub>2</sub>	G 6H	h <sub>1</sub>	l <sub>3</sub> min	l <sub>4</sub>	l <sub>5</sub>	l <sub>7</sub>	W	d <sub>3</sub>	d <sub>4</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic	静载荷 Static	
SIBP5S <sup>1)</sup>	5	8	11.112	6	16	M5	27	14	35	4	8	9	9	11	0.3	13	3.3	4.1	0.016
SIBP6S <sup>1)</sup>	6	9	12.7	6.75	18	M6	30	14	39	5	9	11	10	13	0.3	13	4.3	5.3	0.026
SIBP8S	8	12	15.88	9	22	M8	36	17	47	5	11	14	12.5	16	0.3	14	6.8	8.5	0.044
SIBP10S	10	14	19.05	10.5	26	M10	43	21	56	6.5	13	17	15	19	0.3	14	10	11	0.072
SIBP10S/B1						M10×1.25													
SIBP12S	12	16	22.23	12	30	M12	50	24	65	6.5	15	19	17.5	22	0.3	13	13	14	0.108
SIBP12S/B2						M12×1.25													
SIBP14S	14	19	25.4	13.5	34	M14	57	27	74	8	16	22	20	25	0.3	16	17	20	0.161
SIBP14S/B1						M14×1.5													
SIBP16S	16	21	28.58	15	38	M16	64	33	83	8	17.5	22	22	27	0.3	15	21	25	0.225
SIBP16S/B1						M16×1.5													
SIBP18S	18	23	31.75	16.5	42	M18×1.5	71	36	92	10	19.5	27	25	31	0.6	15	26	30	0.295
SIBP20S	20	25	34.93	18	46	M20×1.5	77	40	100	10	21.5	30	27.5	34	0.6	15	31	35	0.382
SIBP22S	22	28	38.1	20	50	M22×1.5	84	43	109	12	23	32	30	37	0.6	15	38	43	0.488
SIBP25S	25	31	42.86	22	60	M24×2	94	48	124	12	29.5	36	33.5	42	0.6	15	47	65	0.749
SIBP28S	28	35	47.63	25	66	M27×2	103	53	136	12	32.5	41	37	46	0.6	15	59	77	0.949
SIBP30S	30	37	50.8	25	70	M30×2	110	56	145	15	34	41	40	50	0.6	17	63	86	1.13

<sup>1)</sup>不能润滑。Can not be relubricated.

可提供不同螺距或螺纹精度有特殊要求的杆端关节轴承。Can supply other rod ends with different pitch or accuracy of thread.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“左”，例如：SILBP20S M20×1.5 左-6H。

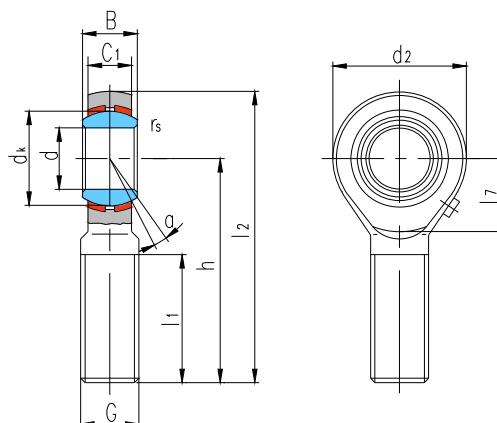
For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SILBP20S M20×1.5L-6H.

以上产品的杆端体和内圈可用不锈钢制造，轴承型号后面加“X”标识，即 SIBP...S/X。

The rod and inner ring of the bearings is of stainless steel and the mark of the items has a letter “X”. That is SIBP...S/X..



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 青铜

Sliding contact surfaces: Steel / Bronze

轴 承 型 号 Bearing number	外形尺寸 Dimensions mm												额定载荷 Load ratings kN		重 量 Weight ≈kg
	d	B	dk	C1 max	d2	G 6g	h	l1 min	l2	l7	rs min	α° ≈	动载荷 Dynamic	静载荷 Static	
SABP5S <sup>1)</sup>	5	8	11.112	6	16	M5	33	20	41	—	0.3	13	3.3	3.9	0.016
SABP6S <sup>1)</sup>	6	9	12.7	6.75	18	M6	36	22	45	—	0.3	13	4.3	5.3	0.026
SABP8S	8	12	15.88	9	22	M8	42	25	53	—	0.3	14	6.8	8.5	0.044
SABP10S	10	14	19.05	10.5	26	M10	48	29	61	—	0.3	14	10	11	0.072
SABP12S	12	16	22.23	12	30	M12	54	33	69	—	0.3	13	13	14	0.108
SABP14S	14	19	25.4	13.5	34	M14	60	36	77	—	0.3	16	17	20	0.161
SABP16S	16	21	28.58	15	38	M16	66	40	85	—	0.3	15	21	25	0.225
SABP18S	18	23	31.75	16.5	42	M18×1.5	72	44	93	23	0.6	15	26	30	0.295
SABP20S	20	25	34.93	18	46	M20×1.5	78	47	101	25	0.6	15	31	35	0.382
SABP22S	22	28	38.1	20	50	M22×1.5	84	51	109	27	0.6	15	38	43	0.488
SABP25S	25	31	42.86	22	60	M24×2	94	57	124	29	0.6	15	47	65	0.749
SABP28S	28	35	47.63	25	66	M27×2	103	62	136	33	0.6	15	59	77	0.949
SABP30S	30	37	50.8	25	70	M30×2	110	66	145	39	0.6	17	63	86	1.13

<sup>1)</sup>不能润滑。Can not be relubricated.

可提供不同螺距或螺纹精度有特殊要求的杆端关节轴承。Can supply other rod ends with different pitch or accuracy of thread.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“左”，例如：SALBP20S M20×1.5 左-6g。

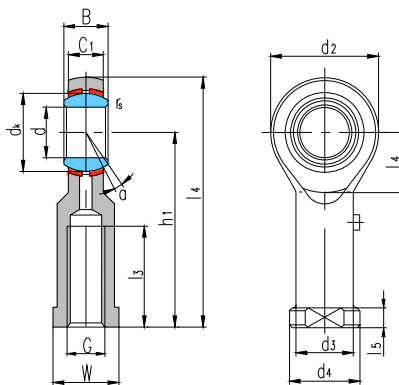
For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SALBP20S M20×1.5L-6g.

以上产品的杆端体和内圈可用不锈钢制造，轴承型号后面加“X”标识，即 SABP...S/X。

The rod and inner ring of the bearings is of stainless steel and the mark of the items has a letter “X”. That is SABP...S/X..



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 青铜

Sliding contact surfaces: Steel / Bronze

轴 承 型 号  Bearing number	外 形 尺 寸 Dimensions															额定载荷 Load ratings kN		重量 Weight ≈kg	
	d	B	d <sub>K</sub>	C <sub>1</sub> max	d <sub>2</sub>	G	h <sub>1</sub>	l <sub>3</sub> min	l <sub>4</sub>	l <sub>5</sub>	l <sub>7</sub>	W	d <sub>3</sub>	d <sub>4</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic		静载荷 Static
SIZP4S <sup>1)</sup>	4.83	7.92	11.1	6.35	15.88	10-32	26.97	14.27	34.93	4.75	9	7.92	7.54	10.31	0.3	10	3.4	4.6	0.015
	0.19	0.312	0.437	0.25	0.625		1.062	0.562	1.375	0.187	0.354	0.312	0.297	0.406	0.012				
SIZP6S <sup>1)</sup>	6.35	9.53	12.7	7.14	19.05	1/4-28	33.32	19.05	42.85	4.75	10.5	9.53	9.15	11.91	0.3	13	4.5	7.7	0.025
	0.25	0.375	0.5	0.281	0.75		1.312	0.75	1.687	0.187	0.413	0.375	0.36	0.469	0.012				
SIZP7S	7.94	11.10	15.88	8.74	22.23	5/16-24	34.93	19.05	46.02	4.75	11.7	11.1	10.72	12.70	0.3	10	6.9	8.4	0.036
	0.3125	0.437	0.625	0.344	0.875		1.375	0.75	1.812	0.187	0.461	0.437	0.422	0.5	0.012				
SIZP9S	9.53	12.70	18.26	10.31	25.40	3/8-24	41.28	23.80	53.98	6.35	12.3	14.27	13.89	17.45	0.6	9	9.4	10	0.061
	0.375	0.5	0.719	0.406	1		1.625	0.937	2.125	0.25	0.484	0.562	0.547	0.687	0.024				
SIZP11S	11.11	14.27	20.62	11.1	28.58	7/16-20	46.02	26.97	60.33	6.35	14	15.88	15.49	19.05	0.6	11	11	13	0.081
	0.4375	0.562	0.812	0.437	1.125		1.812	1.062	2.375	0.25	0.551	0.625	0.61	0.75	0.024				
SIZP12S	12.7	15.88	23.81	12.7	33.32	1/2-20	53.98	30.15	70.64	6.35	16.2	19.05	18.67	22.23	0.6	9	15	19	0.133
	0.5	0.625	0.937	0.5	1.312		2.125	1.187	2.781	0.25	0.638	0.75	0.735	0.875	0.024				
SIZP15S	15.88	19.05	28.58	14.27	38.10	5/8-18	63.50	38.10	82.55	7.92	18.2	22.23	21.84	25.40	0.6	11	20	21	0.190
	0.625	0.75	1.125	0.562	1.5		2.5	1.5	3.25	0.312	0.717	0.875	0.86	1	0.024				
SIZP19S	19.05	22.23	33.32	17.45	44.45	3/4-16	73.03	44.45	95.25	7.92	20.9	25.4	25.02	28.58	0.6	10	29	29	0.285
	0.75	0.875	1.312	0.687	1.75		2.875	1.75	3.75	0.312	0.823	1	0.985	1.125	0.024				
SIZP25S	25.40	34.93	47.63	25.40	69.85	5/4-12	104.78	53.98	139.70	11.10	33.1	38.1	37.72	44.45	0.6	14	60	101	1.00
	1	1.375	1.875	1	2.75		4.125	2.125	5.5	0.437	1.303	1.5	1.485	1.75	0.024				

<sup>1)</sup>不能润滑。Can not be relubricated.

可提供不同螺纹精度要求的杆端关节轴承。Can supply other rod ends with different accuracy of thread.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“LH”，例如：SILZP12S 1/2-20-2BLH。

For left-hand thread, suffix “L” is added to bearings number and suffix “LH” is added to thread sign,

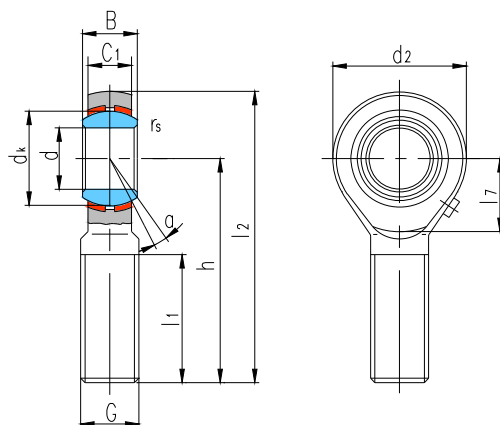
e.g. SILZP12S 1/2-20-2BLH.

以上产品的杆端体和内圈可用不锈钢制造，轴承型号后面加“X”标识，即 SIZP...S/X。

The rod and inner ring of the bearings is of stainless steel and the mark of the items has a letter “X”. That is SIZP...S/X..



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 青铜

Sliding contact surfaces: Steel / Bronze

轴承 型号 Bearing number	外形尺寸 Dimensions												额定载荷 Load ratings kN		重量 Weigh ≈kg
	d	B	dk	C1 max	d2	G	h	l1 min	l2	l7	rs min	α° ≈	动载荷 Dynamic	静载荷 Static	
SAZP4S <sup>1)</sup>	4.83	7.92	11.1	6.35	15.88	10-32	31.75	19.05	39.70	—	0.3	10	3.4	3.8	0.013
	0.19	0.312	0.437	0.25	0.625		1.25	0.75	1.563		0.012				
SAZP6S <sup>1)</sup>	6.35	9.53	12.7	7.14	19.05	1/4-28	39.67	25.40	49.20	—	0.3	13	4.5	6.6	0.022
	0.25	0.375	0.5	0.281	0.75		1.562	1	1.937		0.012				
SAZP7S	7.94	11.10	15.88	8.74	22.23	5/16-24	47.63	31.75	58.72	—	0.3	10	6.9	8.4	0.037
	0.3125	0.437	0.625	0.344	0.875		1.875	1.25	2.312		0.012				
SAZP9S	9.53	12.70	18.26	10.31	25.40	3/8-24	49.23	31.75	61.93	—	0.6	9	9.4	10	0.055
	0.375	0.5	0.719	0.406	1		1.938	1.25	2.438		0.024				
SAZP11S	11.11	14.27	20.62	11.1	28.58	7/16-20	53.98	34.93	68.28	—	0.6	11	11	13	0.078
	0.4375	0.562	0.812	0.437	1.125		2.125	1.375	2.688		0.024				
SAZP12S	12.7	15.88	23.81	12.7	33.32	1/2-20	61.93	38.10	78.59	—	0.6	9	15	19	0.12
	0.5	0.625	0.937	0.5	1.312		2.438	1.5	3.094		0.024				
SAZP15S	15.88	19.05	28.58	14.27	38.10	5/8-18	66.68	41.28	85.73	18.2	0.6	11	20	21	0.18
	0.625	0.75	1.125	0.562	1.5		2.625	1.625	3.375		0.024				
SAZP19S	19.05	22.23	33.32	17.45	44.45	3/4-16	73.03	44.45	95.25	20.9	0.6	10	29	29	0.29
	0.75	0.875	1.312	0.687	1.75		2.875	1.75	3.75		0.024				
SAZP25S	25.40	34.93	47.63	25.40	69.85	5/4-12	104.78	53.98	139.70	33.9	0.6	14	60	101	1.1
	1	1.375	1.875	1	2.75		4.125	2.125	5.5		0.024				

<sup>1)</sup>不能润滑。Can not be relubricated.

可提供不同螺纹精度要求的杆端关节轴承。Can supply other rod ends with different accuracy of thread.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“LH”，例如：SALZP12S 1/2-20-2ALH。

For left-hand thread, suffix “L” is added to bearings number and suffix “LH” is added to thread sign,

e.g. SALZP12S 1/2-20-2ALH.

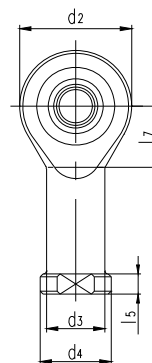
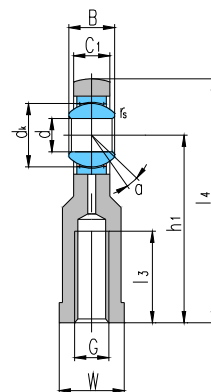
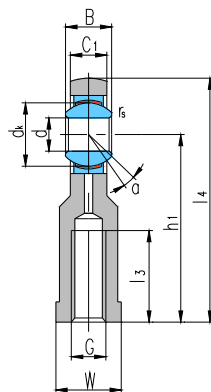
以上产品的杆端体和内圈可用不锈钢制造，轴承型号后面加“X”标识，即 SAZP...S/X。

The rod and inner ring of the bearings is of stainless steel and the mark of the items has a letter “X”. That is SAZP...S/X..





# 杆端关节轴承 Rod ends



滑动摩擦副: 钢 / PTFE 复合材料( $d \leq 30$ )

钢 / PTFE 编织物 ( $d \geq 15$ )

SI...C

SI...ET-2RS、

Sliding contact surfaces: Steel / PTFE composite material( $d \leq 30$ )

Steel / PTFE fabric( $d \geq 15$ )

轴承 型号 Bearing number	外形尺寸 Dimensions mm																额定载荷 Load Ratings kN		重量 Weight ≈kg
	d	B	d <sub>K</sub>	C <sub>1</sub> max	d <sub>2</sub>	G 6H	h <sub>1</sub>	l <sub>3</sub> min	l <sub>4</sub>	l <sub>5</sub>	l <sub>7</sub>	W	d <sub>3</sub>	d <sub>4</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic	静载荷 Static	
SI5C	5	6	10	4.5	21	M5	30	11	40.5	5	11.5	10	10	13	0.3	13	3.6	8.1	0.021
SI6C	6	6	10	4.5	21	M6	30	11	40.5	5	11.5	11	11	13	0.3	13	3.6	8.1	0.021
SI8C	8	8	13	6.5	24	M8	36	15	48	5	13	13	13	16	0.3	15	5.8	12.9	0.039
SI10C	10	9	16	7.5	29	M10	43	20	57.5	6.5	15	16	16	19	0.3	12	8.6	17.6	0.065
SI12C	12	10	18	8.5	34	M12	50	23	67	7	18	18	19	22	0.3	10	11	24.5	0.096
SI15C	15	12	22	10.5	40	M14	61	30	81	8	21	21	21	26	0.3	8	18	36	0.16
SI15ET-2RS																	25		
SI17C	17	14	25	11.5	46	M16	67	34	90	10	24	27	25	29	0.3	10	22	45	0.24
SI17ET-2RS																	32		
SI20C	20	16	29	13.5	53	M20×1.5	77	40	103.5	10	25.5	30	28	34	0.3	9	31	60	0.35
SI20ET-2RS																	45		
SI25C	25	20	35.5	18	64	M24×2	94	48	126	12	33	36	35	42	0.6	7	51	83	0.66
SI25ET-2RS																	85		
SI30C	30	22	40.7	20	73	M30×2	110	56	146.5	15	37.5	46	42	50	0.6	6	65	110	0.98
SI30ET-2RS																	110		
SI35ET-2RS	35	25	47	22	82	M36×3	125	60	166	15	40	55	48	58	0.6	6	140	146	1.5
SI40ET-2RS	40	28	53	24	92	M39×3	142	65	188	18	47	60	52	65	0.6	7	175	180	2.1
SI45ET-2RS	45	32	60	28	102	M42×3	145	65	196	20	52	65	58	70	0.6	7	225	240	2.7
SI50ET-2RS	50	35	66	31	112	M45×3	160	68	216	20	57	70	62	75	0.6	6	275	290	3.5
SI60ET-2RS	60	44	80	39	135	M52×3	175	70	242.5	20	68.5	80	70	88	1	6	430	450	5.6
SI70ET-2RS	70	49	92	43	160	M56×4	200	80	280	20	81	85	80	98	1	6	550	610	8.3
SI80ET-2RS	80	55	105	48	180	M64×4	230	85	320	25	91	95	95	110	1	6	705	750	13

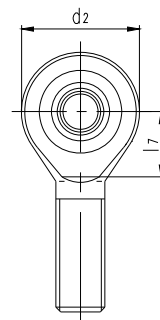
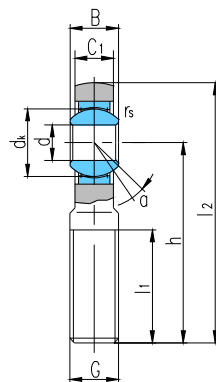
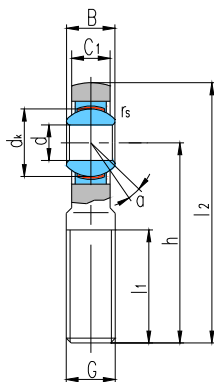
可提供不同螺距或螺纹精度有特殊要求的杆端关节轴承。Can supply other rod ends with different pitch or accuracy of thread.

若是左旋螺纹, 轴承型号和螺纹标记需加“L”和“左”, 例如: SI120C M20×1.5 左-6H。

For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SI120C M20×1.5L-6H.



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / PTFE 复合材料( $d \leq 30$ )  
钢 / PTFE 编织物 ( $d \geq 15$ )

SA...C

SA...ET-2RS

Sliding contact surfaces: Steel / PTFE composite material( $d \leq 30$ )  
Steel / PTFE fabric( $d \geq 15$ )

轴 承 型 号  Bearing number	外 形 尺 寸 Dimensions												额定载荷 Load ratings		重量 Weight ≈kg
	mm												kN		
	d	B	d <sub>k</sub>	C <sub>1</sub> max	d <sub>2</sub>	G 6g	h	l <sub>1</sub> min	l <sub>2</sub>	l <sub>7</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic	静载荷 Static	
SA5C	5	6	10	4.5	21	M5	36	16	46.5	11.5	0.3	13	3.6	3.9	0.017
SA6C	6	6	10	4.5	21	M6	36	16	46.5	11.5	0.3	13	3.6	5.5	0.017
SA8C	8	8	13	6.5	24	M8	42	21	54	13	0.3	15	5.8	10	0.029
SA10C	10	9	16	7.5	29	M10	48	26	62.5	15.5	0.3	12	8.6	16	0.050
SA12C	12	10	18	8.5	34	M12	54	28	71	18	0.3	10	11	23	0.066
SA15C	15	12	22	10.5	40	M14	63	34	83	21	0.3	8	18	32	0.12
SA15ET-2RS													25		
SA17C	17	14	25	11.5	46	M16	69	36	92	24	0.3	10	22	44	0.19
SA17ET-2RS													32		
SA20C	20	16	29	13.5	53	M20×1.5	78	43	104.5	25.5	0.3	9	31	60	0.31
SA20ET-2RS													45		
SA25C	25	20	35.5	18	64	M24×2	94	53	126	31	0.6	7	51	83	0.56
SA25ET-2RS													85		
SA30C	30	22	40.7	20	73	M30×2	110	65	146.5	35.5	0.6	6	65	110	0.89
SA30ET-2RS													110		
SA35ET-2RS	35	25	47	22	82	M36×3	140	82	181	41	0.6	6	140	146	1.4
SA40ET-2RS	40	28	53	24	92	M39×3	150	86	196	47	0.6	7	175	180	1.8
SA45ET-2RS	45	32	60	28	102	M42×3	163	92	214	52	0.6	7	225	240	2.5
SA50ET-2RS	50	35	66	31	112	M45×3	185	104	241	60	0.6	6	275	290	3.6
SA60ET-2RS	60	44	80	39	135	M52×3	210	115	277.5	75.5	1.0	6	430	450	5.7
SA70ET-2RS	70	49	92	43	160	M56×4	235	125	315	95	1.0	6	550	610	7.9
SA80ET-2RS	80	55	105	48	180	M64×4	270	140	360	105.5	1.0	6	705	750	12

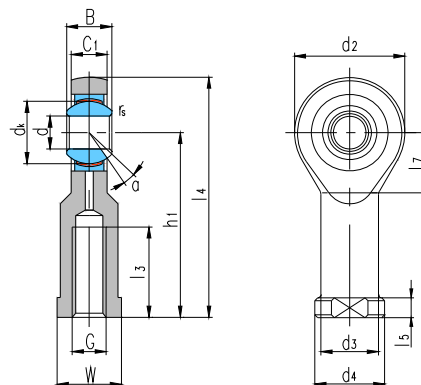
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For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SAL20C M20×1.5L-6g.



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / PTFE 复合材料

Sliding contact surfaces: Steel / PTFE composite material

轴 承 型 号	外形 尺寸																额定载荷		重量	
	Dimensions																Load ratings			Weight
	mm																kN			
Bearing number	d	B	d <sub>K</sub>	C <sub>1</sub> max	d <sub>2</sub>	G 6H	h <sub>1</sub>	l <sub>3</sub> min	l <sub>4</sub>	l <sub>5</sub>	l <sub>7</sub>	W	d <sub>3</sub>	d <sub>4</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic	静载荷 Static	≈kg	
SIJK5C	5	8	11.112	7.5	18	M5	27	8	36	4	10	10	9	12	0.3	4	3.6	4.6	0.020	
SIJK6C	6	9	12.7	7.5	20	M6	30	9	40	5	11	10	10	13	0.3	9	4.7	5.2	0.025	
SIJK8C	8	12	15.88	9.5	24	M8	36	12	48	5	13	13	12.5	16	0.3	12	7.6	8.2	0.047	
SIJK10C	10	14	19.05	11.5	30	M10	43	15	58	6.5	16	16	15	19	0.3	10	12	15	0.088	
SIJK10C/B1						M10×1.25														
SIJK12C	12	16	22.23	12.5	34	M12	50	18	67	6.5	18	18	17.5	22	0.3	12	14	19	0.14	
SIJK12C/B2						M12×1.25														
SIJK14C	14	19	25.4	14.5	38	M14	57	21	76	8	20	21	20	25	0.3	14	19	24	0.20	
SIJK14C/B1						M14×1.5														
SIJK16C	16	21	28.58	15.5	42	M16	64	24	85	8	21	24	22	27	0.3	14	23	29	0.25	
SIJK16C/B1						M16×1.5														
SIJK18C	18	23	31.75	17.5	46	M18×1.5	71	27	94	10	22.5	27	25	31	0.6	13	29	34	0.35	
SIJK20C	20	25	34.93	18.5	50	M20×1.5	77	30	102	10	25	30	27.5	34	0.6	14	34	40	0.43	
SIJK22C	22	28	38.1	21	56	M22×1.5	84	33	112	12	27.5	34	30	37	0.6	14	42	50	0.61	
SIJK25C	25	31	42.86	23	60	M24×2	94	36	124	12	28.5	36	33.5	42	0.6	14	52	57	0.81	
SIJK28C	28	35	47.63	26	66	M27×2	103	41	136	14	31.5	41	37	46	0.6	14	66	69	1.2	
SIJK30C	30	37	50.8	27	70	M30×2	110	45	145	15	33	46	40	50	0.6	15	73	77	1.4	

可提供不同螺距或螺纹精度有特殊要求的杆端关节轴承。Can supply other rod ends with different pitch or accuracy of thread.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“左”，例如：SIJK20C M20×1.5 左-6H。

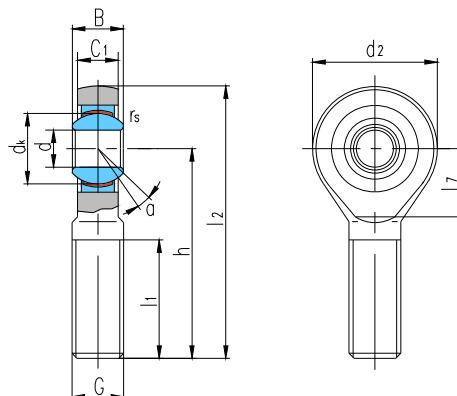
For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SIJK20C M20×1.5L-6H.

以上产品的杆端体和内圈可用不锈钢制造，轴承型号后面加“X”标识，即 SIJK...C/X。

The rod and inner ring of the bearings is of stainless steel and the mark of the items has a letter “X”. That is SIJK...C/X..



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / PTFE 复合材料

Sliding contact surfaces: Steel / PTFE composite material

轴承 型号 Bearing number	外形尺寸 Dimensions												额定载荷 Load ratings		重量 Weigh ≈kg
	d	B	dk	C1 max	d2	G 6g	h	l1 min	l2	l7	rs min	α° ≈	动载荷 Dynamic	静载荷 Static	
SAJK5C	5	8	11.112	7.5	18	M5	33	19	42	—	0.3	4	3.6	3.9	0.013
SAJK6C	6	9	12.7	7.5	20	M6	36	21	46	—	0.3	9	4.7	5.2	0.020
SAJK8C	8	12	15.88	9.5	24	M8	42	25	54	—	0.3	12	7.6	8.2	0.038
SAJK10C	10	14	19.05	11.5	30	M10	48	28	63	—	0.3	10	12	15	0.071
SAJK12C	12	16	22.23	12.5	34	M12	54	32	71	—	0.3	12	14	19	0.12
SAJK14C	14	19	25.4	14.5	38	M14	60	36	79	—	0.3	14	19	24	0.17
SAJK16C	16	21	28.58	15.5	42	M16	66	37	87	—	0.3	14	23	29	0.23
SAJK18C	18	23	31.75	17.5	46	M18×1.5	72	41	95	—	0.6	13	29	34	0.31
SAJK20C	20	25	34.93	18.5	50	M20×1.5	78	45	103	27.5	0.6	14	34	40	0.40
SAJK22C	22	28	38.1	21	56	M22×1.5	84	48	112	30.5	0.6	14	42	50	0.49
SAJK25C	25	31	42.86	23	60	M24×2	94	55	124	33	0.6	14	52	57	0.65
SAJK28C	28	35	47.63	26	66	M27×2	103	62	136	33	0.6	14	66	69	0.87
SAJK30C	30	37	50.8	27	70	M30×2	110	66	145	36	0.6	15	73	77	1.1

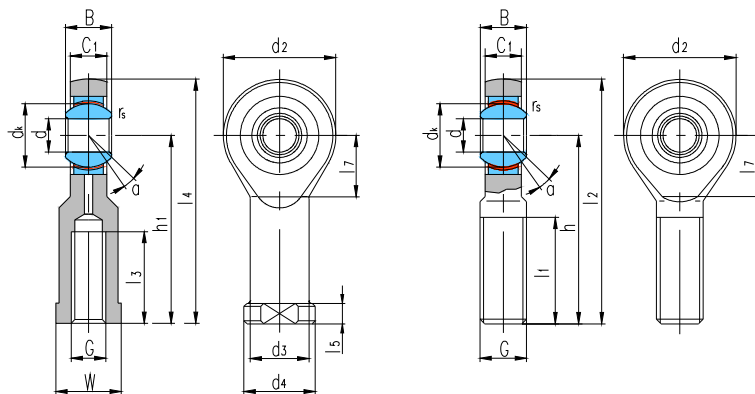
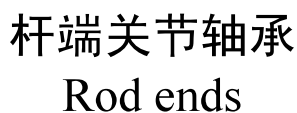
可提供不同螺距或螺纹精度有特殊要求的杆端关节轴承。Can supply other rod ends with different pitch or accuracy of thread.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“左”，例如：SALJK20C M20×1.5 左-6g。

For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SALJK20C M20×1.5L-6g.

以上产品的杆端体和内圈可用不锈钢制造，轴承型号后面加“X”标识，即 SAJK...C/X。

The rod and inner ring of the bearings is of stainless steel and the mark of the items has a letter “X”. That is SAJK...C/X..

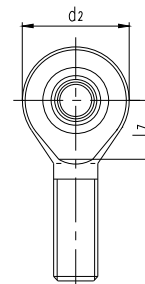
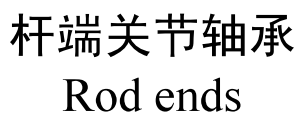


SAK...C

轴 承 型 号	外形尺寸																额定载荷		重量 Weight ≈kg
	Dimensions																Load ratings		
	mm																kN		
Bearing number	d	B	d <sub>K</sub>	C <sub>1</sub> max	d <sub>2</sub>	G 6H	h <sub>1</sub>	l <sub>3</sub> min	l <sub>4</sub>	l <sub>5</sub>	l <sub>7</sub>	W	d <sub>3</sub>	d <sub>4</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic	静载荷 Static	
SIK5C	5	8	11.12	6	19.5	M5	30	12	39.8	5	9.5	10	10	13	0.3	4	3.6	4.6	0.024
SIK6C	6	9	12.7	7.5	21.2	M6	30	9	40.7	5	11	10	10	13	0.3	9	4.7	5.2	0.028
SIK8C	8	12	15.88	9.5	25.5	M8	36	12	48.8	5	13	13	12.5	16	0.3	12	7.6	8.2	0.053
SIK10C	10	14	19.05	11.5	31	M10	43	19	58.6	6.5	16	16	15	19	0.3	10	12	15	0.11
SIK12C	12	16	22.23	12.5	34	M12	50	23	67	6.5	18	18	17.5	22	0.3	12	14	19	0.14
SIK14C	14	19	25.4	14.5	38	M14	57	23	76	8	20	21	20	25	0.3	14	19	24	0.20
SIK16C	16	21	28.58	15.5	42	M16	64	24	85	8	21	24	22	27	0.3	14	23	29	0.25
SIK18C	18	23	31.75	17.5	46	M18×1.5	71	27	94	10	22.5	27	25	31	0.6	13	29	34	0.35
SIK20C	20	25	34.93	18.5	50	M20×1.5	77	30	102	10	25	30	27.5	34	0.6	14	34	40	0.43

轴 承 型 号	外形尺寸												额定载荷		重量
	Dimensionsmm												Load ratingskN		
Bearing number	d	B	d <sub>k</sub>	C <sub>1</sub> max	d <sub>2</sub>	G 6g	h	l <sub>1</sub> min	l <sub>2</sub>	l <sub>7</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic	静载荷 Static	Weight ≈kg
SAK5C	5	8	11.112	6	19.5	M5	33	19	42.8	—	0.3	4	3.6	3.9	0.017
SAK6C	6	9	12.7	7.5	21.2	M6	36	21	46.7	—	0.3	9	4.7	5.2	0.023
SAK8C	8	12	15.88	9.5	25.5	M8	42	25	54.8	—	0.3	12	7.6	8.2	0.047
SAK10C	10	14	19.05	11.5	31	M10	48	28	63.6	—	0.3	10	12	15	0.085
SAK12C	12	16	22.23	12.5	34	M12	54	32	71	—	0.3	12	14	19	0.12
SAK14C	14	19	25.4	14.5	38	M14	60	36	79	—	0.3	14	19	24	0.17
SAK16C	16	21	28.58	15.5	42	M16	66	37	87	—	0.3	14	23	29	0.23
SAK18C	18	23	31.75	17.5	46	M18×1.5	72	41	95	—	0.6	13	29	34	0.31
SAK20C	20	25	34.93	18.5	50	M20×1.5	78	45	103	27.5	0.6	14	34	40	0.40

For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SILK20C M20×1.5L-6H, SALK20C M20×1.5 左-6g



SABP...N

轴 承 型 号  Bearing number	外形 尺寸 Dimensions																额定载荷 Load ratings kN		重量 Weight ≈kg
	mm																Load ratings kN		
	d	B	d <sub>K</sub>	C <sub>1</sub> max	d <sub>2</sub>	G 6H	h <sub>1</sub>	l <sub>3</sub> min	l <sub>4</sub>	l <sub>5</sub>	l <sub>7</sub>	W	d <sub>3</sub>	d <sub>4</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic	静载荷 Static	
SIBP5N	5	8	11.112	6	16	M5	27	14	35	4	8	9	9	11	0.3	13	3.25	5.3	0.016
SIBP6N	6	9	12.7	6.75	18	M6	30	14	39	5	9	11	10	13	0.3	13	4.25	6.8	0.026
SIBP8N	8	12	15.88	9	22	M8	36	17	47	5	11	14	12.5	16	0.3	14	7.1	11.4	0.044
SIBP10N	10	14	19.05	10.5	26	M10	43	21	56	6.5	13	17	15	19	0.3	14	9.8	14.3	0.072
SIBP12N	12	16	22.23	12	30	M12	50	24	65	6.5	15	19	17.5	22	0.3	13	13.2	17	0.108
SIBP14N	14	19	25.4	13.5	34	M14	57	27	74	8	16	22	20	25	0.3	16	17	27.5	0.161
SIBP16N	16	21	28.58	15	38	M16	64	33	83	8	17.5	22	22	27	0.3	15	21.4	34.5	0.225
SIBP18N	18	23	31.75	16.5	42	M18×1.5	71	36	92	10	19.5	27	25	31	0.6	15	26	41.5	0.295
SIBP20N	20	25	34.93	18	46	M20×1.5	77	40	100	10	21.5	30	27.5	34	0.6	15	31	50	0.382

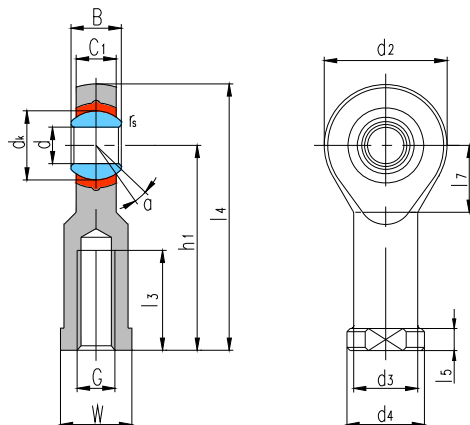
轴 承 型 号	外形尺寸												额定载荷		重 量 Weight ≈kg
	Dimensions												Load ratings    kN		
Bearing number	d	B	d <sub>k</sub>	C <sub>1</sub> max	d <sub>2</sub>	G 6g	h	l <sub>1</sub> min	l <sub>2</sub>	l <sub>7</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic	静载荷 Static	
SABP5N	5	8	11.112	6	16	M5	33	20	41	—	0.3	13	3.25	5.3	0.016
SABP6N	6	9	12.7	6.75	18	M6	36	22	45	—	0.3	13	4.25	6.8	0.026
SABP8N	8	12	15.88	9	22	M8	42	25	53	—	0.3	14	7.1	10	0.044
SABP10N	10	14	19.05	10.5	26	M10	48	29	61	—	0.3	14	9.8	12.5	0.072
SABP12N	12	16	22.23	12	30	M12	54	33	69	—	0.3	13	13.2	15	0.108
SABP14N	14	19	25.4	13.5	34	M14	60	36	77	—	0.3	16	17	25.5	0.161
SABP16N	16	21	28.58	15	38	M16	66	40	85	—	0.3	15	21.4	34.5	0.225
SABP18N	18	23	31.75	16.5	42	M18×1.5	72	44	93	23	0.6	15	26	41.5	0.295
SABP20N	20	25	34.93	18	46	M20×1.5	78	47	101	25	0.6	15	31	50	0.382

For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SILBP20N M20×1.5L-6H, SALBP20N M20×1.5L-6g.





# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / PTFE 塑料

Sliding contact surfaces: Steel / PTFE plastic

轴 承 型 号 Bearing number	外形 尺 寸 Dimensions															额定载荷 Load ratings kN		重量 Weight ≈kg	
	d	B	d <sub>K</sub>	C <sub>1</sub> max	d <sub>2</sub>	G	h <sub>1</sub>	l <sub>3</sub> min	l <sub>4</sub>	l <sub>5</sub>	l <sub>7</sub>	W	d <sub>3</sub>	d <sub>4</sub>	r <sub>s</sub> min	α° ≈	动载荷 Dynamic		静载荷 Static
SIZP4N	4.83	7.92	11.1	6.35	15.88	10-32	26.97	14.27	34.93	4.75	9	7.92	7.54	10.31	0.3	10	3.3	5.38	0.015
	0.19	0.312	0.437	0.25	0.625		1.062	0.562	1.375	0.187	0.354	0.312	0.297	0.406	0.012				
SIZP6N	6.35	9.53	12.7	7.14	19.05	1/4-28	33.32	19.05	42.85	4.75	10.5	9.53	9.15	11.91	0.3	13	6.8	10.9	0.025
	0.25	0.375	0.5	0.281	0.75		1.312	0.75	1.687	0.187	0.413	0.375	0.36	0.469	0.012				
SIZP7N	7.94	11.10	15.88	8.74	22.23	5/16-24	34.93	19.05	46.02	4.75	11.7	11.1	10.72	12.70	0.3	10	7.6	12.2	0.036
	0.3125	0.437	0.625	0.344	0.875		1.375	0.75	1.812	0.187	0.461	0.437	0.422	0.5	0.012				
SIZP9N	9.53	12.70	18.26	10.31	25.40	3/8-24	41.28	23.80	53.98	6.35	12.3	14.27	13.89	17.45	0.6	9	11.9	18.2	0.061
	0.375	0.5	0.719	0.406	1		1.625	0.937	2.125	0.25	0.484	0.562	0.547	0.687	0.024				
SIZP11N	11.11	14.27	20.62	11.1	28.58	7/16-20	46.02	26.97	60.33	6.35	14	15.88	15.49	19.05	0.6	11	17.4	23.8	0.081
	0.4375	0.562	0.812	0.437	1.125		1.812	1.062	2.375	0.25	0.551	0.625	0.61	0.75	0.024				
SIZP12N	12.7	15.88	23.81	12.7	33.32	1/2-20	53.98	30.15	70.64	6.35	16.2	19.05	18.67	22.23	0.6	9	19.9	28.6	0.133
	0.5	0.625	0.937	0.5	1.312		2.125	1.187	2.781	0.25	0.638	0.75	0.735	0.875	0.024				
SIZP15N	15.88	19.05	28.58	14.27	38.10	5/8-18	63.50	38.10	82.55	7.92	18.2	22.23	21.84	25.40	0.6	11	22.9	36.9	0.190
	0.625	0.75	1.125	0.562	1.5		2.5	1.5	3.25	0.312	0.717	0.875	0.86	1	0.024				
SIZP19N	19.05	22.23	33.32	17.45	44.45	3/4-16	73.03	44.45	95.25	7.92	20.9	25.4	25.02	28.58	0.6	10	30.2	48.5	0.285
	0.75	0.875	1.312	0.687	1.75		2.875	1.75	3.75	0.312	0.823	1	0.985	1.125	0.024				

可提供不同螺纹精度要求的杆端关节轴承。Can supply other rod ends with different accuracy of thread.

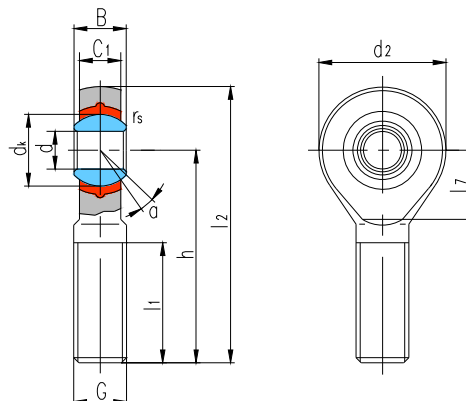
若是左旋螺纹，轴承型号和螺纹标记需加“L”和“LH”，例如：SILZP12N 1/2-20-2BLH。

For left-hand thread, suffix “L” is added to bearings number and suffix “LH” is added to thread sign,

e.g. SILZP12N 1/2-20-2BLH.



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / PTFE 塑料

Sliding contact surfaces: Steel / PTFE plastic

轴 承 型 号 Bearing number	外形尺寸 Dimensions												额定载荷 Load ratings		重量 Weight ≈kg
	d	B	dk	C1 max	d2	G	h	l1 min	l2	l7	rs min	α° ≈	动载荷 Dynamic	静载荷 Static	
SAZP4N	4.83	7.92	11.1	6.35	15.88	10-32	31.75	19.05	39.70	—	0.3	10	3.3	5.38	0.013
	0.19	0.312	0.437	0.25	0.625		1.25	0.75	1.563		0.012				
SAZP6N	6.35	9.53	12.7	7.14	19.05	1/4-28	39.67	25.40	49.20	—	0.3	13	6.8	10.9	0.022
	0.25	0.375	0.5	0.281	0.75		1.562	1	1.937		0.012				
SAZP7N	7.94	11.10	15.88	8.74	22.23	5/16-24	47.63	31.75	58.72	—	0.3	10	7.6	12.2	0.037
	0.3125	0.437	0.625	0.344	0.875		1.875	1.25	2.312		0.012				
SAZP9N	9.53	12.70	18.26	10.31	25.40	3/8-24	49.23	31.75	61.93	—	0.6	9	11.9	18.7	0.055
	0.375	0.5	0.719	0.406	1		1.938	1.25	2.438		0.024				
SAZP11N	11.11	14.27	20.62	11.1	28.58	7/16-20	53.98	34.93	68.28	—	0.6	11	17.4	23.8	0.078
	0.4375	0.562	0.812	0.437	1.125		2.125	1.375	2.688		0.024				
SAZP12N	12.7	15.88	23.81	12.7	33.32	1/2-20	61.93	38.10	78.59	—	0.6	9	19.9	28.6	0.12
	0.5	0.625	0.937	0.5	1.312		2.438	1.5	3.094		0.024				
SAZP15N	15.88	19.05	28.58	14.27	38.10	5/8-18	66.68	41.28	85.73	18.2	0.6	11	22.9	36.9	0.18
	0.625	0.75	1.125	0.562	1.5		2.625	1.625	3.375		0.024				
SAZP19N	19.05	22.23	33.32	17.45	44.45	3/4-16	73.03	44.45	95.25	20.9	0.6	10	30.2	48.5	0.29
	0.75	0.875	1.312	0.687	1.75		2.875	1.75	3.75		0.024				

可提供不同螺纹精度要求的杆端关节轴承。Can supply other rod ends with different accuracy of thread.

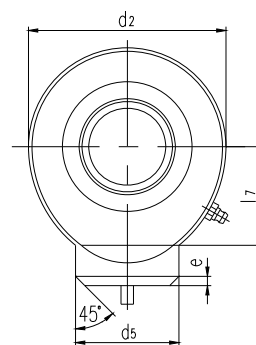
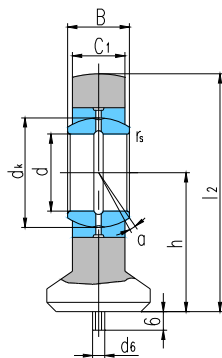
若是左旋螺纹，轴承型号和螺纹标记需加“L”和“LH”，例如：SALZP12N 1/2-20-2ALH。

For left-hand thread, suffix “L” is added to bearings number and suffix “LH” is added to thread sign,

e.g. SALZP12N 1/2-20-2ALH.



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 钢

Sliding contact surfaces: Steel / Steel

轴承 型号 Bearing number	外形尺寸 Dimensions													额定载荷 Load ratings kN		重量 Weight ≈kg
	d	B	d <sub>k</sub>	C <sub>1</sub>	d <sub>2</sub>	h	l <sub>2</sub>	l <sub>7</sub>	d <sub>5</sub>	d <sub>6</sub>	e	r <sub>s</sub>	α° ≈	动载荷 Dynamic	静载荷 Static	
SK10E <sup>1)</sup>	10	9	16	7	29	24	38.5	15	15	3	2	0.3	12	8.1	15	0.041
SK12E <sup>1)</sup>	12	10	18	8	34	27	44	17.5	17.5	3	2	0.3	10	10	21	0.066
SK15ES <sup>2)</sup>	15	12	22	10	40	31	51	20	21	4	2.5	0.3	8	16	32	0.12
SK16ES <sup>2)</sup>	16	14	25	11	46	35	58	23	24	4	3	0.3	10	21	40	0.19
SK17ES <sup>2)</sup>	17	14	25	11	46	35	58	23	24	4	3	0.3	10	21	40	0.18
SK20ES	20	16	29	13	53	38	64.5	27.5	27.5	4	3	0.3	9	30	54	0.26
SK25ES	25	20	35.5	17	64	45	77	33	33.5	4	4	0.6	7	48	72	0.45
SK30ES	30	22	40.7	19	73	51	87.5	37.5	40	4	4	0.6	6	62	95	0.67
SK35ES	35	25	47	21	82	61	102	43	47	4	4	0.6	6	79	125	1.02
SK40ES	40	28	53	23	92	69	115	48	52	4	5	0.6	7	99	156	1.40
SK45ES	45	32	60	27	102	77	128	52	58	6	5	0.6	7	127	208	1.93
SK50ES	50	35	66	30	112	88	144	59	62	6	6	0.6	6	156	250	2.69
SK60ES	60	44	80	38	135	100	167.5	72.5	70	6	8	1	6	245	390	4.60
SK70ES	70	49	92	42	160	115	195	85.5	80	6	10	1	6	313	510	7.00
SK80ES	80	55	105	47	180	141	231	98	95	6	10	1	6	400	620	11.0

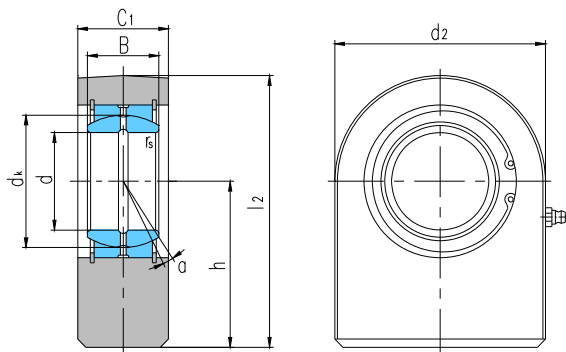
<sup>1)</sup>无润滑通道。No relubrication facility.

<sup>2)</sup>只能通过杆端眼孔润滑。Can only be relubricated through the rod end housing.

可装自润滑向心关节轴承。Can supply rod ends with maintenance-free spherical plain bearing.



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 钢

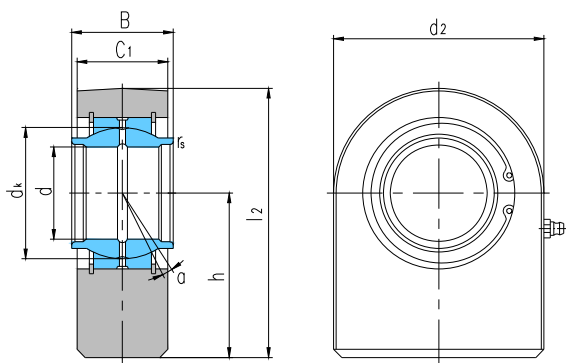
Sliding contact surfaces: Steel / Steel

轴 承 型 号  Bearing number	外 形 尺 寸  Dimensions									额定载荷  Load ratings    kN		重量  Weight ≈kg
	mm									动载荷 Dynamic	静载荷 Static	
	d	B	d <sub>k</sub>	C <sub>1</sub>	d <sub>2</sub>	h	l <sub>2</sub>	r <sub>s</sub>	α° ≈			
SF15ES	15	12	22	16	45	31	53.5	0.3	8	16	53	0.22
SF16ES	16	14	25	17.5	48	35	59	0.3	10	21	59	0.29
SF17ES	17	14	25	17.5	48	35	59	0.3	10	21	59	0.28
SF20ES	20	16	29	19	50	38	63	0.3	9	30	67	0.36
SF25ES	25	20	35.5	23	55	45	72.5	0.6	7	48	69	0.53
SF30ES	30	22	40.7	28	65	51	83.5	0.6	6	62	118	0.85
SF35ES	35	25	47	30	83	61	102.5	0.6	6	79	196	1.50
SF40ES	40	28	53	35	100	69	119	0.6	7	99	305	2.42
SF45ES	45	32	60	40	110	77	132	0.6	7	127	386	3.39
SF50ES	50	35	66	40	123	88	149.5	0.6	6	156	441	4.24
SF60ES	60	44	80	50	140	100	170	1	6	245	570	7.10
SF70ES	70	49	92	55	164	115	197	1	6	313	724	10.7
SF80ES	80	55	105	60	180	141	231	1	6	400	804	15.1
SF90ES	90	60	115	65	226	150	263	1	5	488	1340	23.4
SF100ES	100	70	130	70	250	170	295	1	7	607	1516	33.1
SF110ES	110	70	140	80	295	185	332.5	1	6	654	2340	48.5
SF120ES	120	85	160	90	360	210	390	1	6	950	3210	79.5

可装自润滑向心关节轴承。Can supply rod ends with maintenance-free spherical plain bearing.



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 钢

Sliding contact surfaces: Steel / Steel

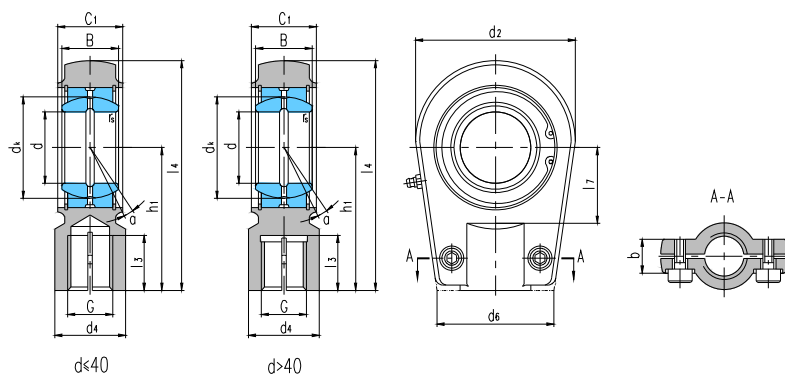
轴 承 型 号  Bearing number	外 形 尺 寸  Dimensions									额定载荷  Load ratings    kN		重量  Weight ≈kg
	mm									kN		
	d	B	d <sub>k</sub>	C <sub>1</sub>	d <sub>2</sub>	h	l <sub>2</sub>	r <sub>s</sub>	α° ≈	动载荷 Dynamic	静载荷 Static	
SFEW20ES	20	20	29	19	50	38	63	0.3	4	30	67	0.37
SFEW25ES	25	25	35.5	23	55	45	72.5	0.6	4	48	69	0.54
SFEW32ES	32	32	43	27	70	65	100	0.6	4	65	168	1.16
SFEW40ES	40	40	53	35	100	69	119	0.6	4	99	305	2.57
SFEW50ES	50	50	66	40	123	88	149.5	0.6	4	156	441	4.50
SFEW63ES	63	63	83	50	145	107	179.5	1	4	253	591	7.14
SFEW70ES	70	70	92	55	164	115	197	1	4	313	724	10.86
SFEW80ES	80	80	105	60	180	141	231	1	4	400	804	15.33
SFEW90ES	90	90	115	65	226	150	263	1	4	488	1340	24.00
SFEW100ES	100	100	130	70	250	170	295	1	4	607	1516	33.44
SFEW110ES	110	110	140	80	295	185	332.5	1	4	654	2340	49.46

可装自润滑向心关节轴承。Can supply rod ends with maintenance-free spherical plain bearing.



# 杆端关节轴承

## Rod ends



滑动摩擦副：钢 / 钢

Sliding contact surfaces: Steel / Steel

轴 承 型 号  Bearing number	外 形 尺 寸 Dimenonsmm															额定载荷 Load ratings kN		锁 紧 螺 钉 Screw	重 量 Weight ≈kg
	d	B	d <sub>K</sub>	C <sub>1</sub>	d <sub>2</sub>	G 6H	h <sub>1</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>7</sub>	d <sub>4</sub>	d <sub>6</sub>	b	r <sub>s</sub>	α° ≈	动载荷 Dynamic	静载荷 Static		
SIR20ES	20	16	29	19	56	M16×1.5	50	17	80	25	25	46	20	0.3	9	30	81	M8×20	0.44
SIR25ES	25	20	35.5	23	56	M16×1.5	50	17	80	25	25	46	21	0.6	7	48	72	M8×20	0.47
SIR30ES	30	22	40.7	28	64	M22×1.5	60	23	94	30	32	50	26	0.6	6	62	106	M8×25	0.77
SIR35ES	35	25	47	30	78	M28×1.5	70	29	112	38	40	66	28	0.6	6	79	153	M10×30	1.24
SIR40ES	40	28	53	35	94	M35×1.5	85	36	135	45	49	76	33	0.6	7	99	250	M10×35	2.12
SIR50ES	50	35	66	40	116	M45×1.5	105	45	168	55	61	90	37	0.6	6	156	365	M12×40	3.74
SIR60ES	60	44	80	50	130	M58×1.5	130	59	200	65	75	120	46	1	6	245	400	M16×45	6.49
SIR60ES-D <sup>1)</sup>																			
SIR70ES	70	49	92	55	154	M65×1.5	150	66	232	75	86	130	51	1	6	313	540	M16×50	9.88
SIR70ES-D <sup>1)</sup>																			
SIR80ES	80	55	105	60	176	M80×2	170	81	265	80	105	160	55	1	6	400	670	M20×55	14.2
SIR80ES-D <sup>1)</sup>																			
SIR90ES	90	60	115	65	206	M100×2	210	101	323	90	124	180	60	1	5	488	980	M20×60	23.5
SIR90ES-D <sup>1)</sup>																			
SIR100ES	100	70	130	70	231	M110×2	235	111	360	105	138	200	65	1	7	607	1120	M24×65	32.14
SIR110ES	110	70	140	80	266	M120×3	265	125	407	115	152	220	74	1	6	654	1700	M24×80	47.6
SIR120ES	120	85	160	90	340	M130×3	310	135	490	140	172	257	84	1	6	950	2900	M24×80	72

<sup>1)</sup>杆端体采用碳钢锻造。Rod end is made of carbon steel.

可装自润滑向心关节轴承。Can supply rod ends with maintenance-free spherical plain bearing.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“左”，例如：SILR40ES M35×1.5 左-6H。

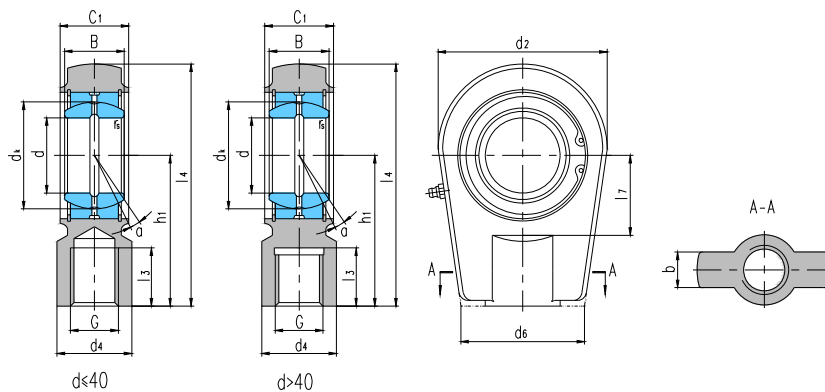
For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SILR40ES M35×1.5L-6H.





# 杆端关节轴承

## Rod ends



滑动摩擦副：钢 / 钢

Sliding contact surfaces: Steel / Steel

轴 承 型 号  Bearing number	外 形 尺 寸  Dimensions															额定载荷  Load ratings    kN		重 量  Weight ≈kg
	mm															kN		
	d	B	d <sub>K</sub>	C <sub>1</sub>	d <sub>2</sub>	G 6H	h <sub>1</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>7</sub>	d <sub>4</sub>	d <sub>6</sub>	b	r <sub>s</sub>	α° ≈	动载荷 Dynamic	静载荷 Static	
SIRN20ES	20	16	29	19	56	M16×1.5	50	17	80	25	25	46	20	0.3	9	30	81	0.44
SIRN25ES	25	20	35.5	23	56	M16×1.5	50	17	80	25	25	46	21	0.6	7	48	72	0.47
SIRN30ES	30	22	40.7	28	64	M22×1.5	60	23	94	30	32	50	26	0.6	6	62	106	0.77
SIRN35ES	35	25	47	30	78	M28×1.5	70	29	112	38	40	66	28	0.6	6	79	153	1.24
SIRN40ES	40	28	53	35	94	M35×1.5	85	36	135	45	49	76	33	0.6	7	99	250	2.12
SIRN50ES	50	35	66	40	116	M45×1.5	105	45	168	55	61	90	37	0.6	6	156	365	3.74
SIRN60ES	60	44	80	50	130	M58×1.5	130	59	200	65	75	120	46	1	6	245	400	6.49
SIRN60ES-D <sup>1)</sup>																		
SIRN70ES	70	49	92	55	154	M65×1.5	150	66	232	75	86	130	51	1	6	313	540	9.88
SIRN70ES-D <sup>1)</sup>																		
SIRN80ES	80	55	105	60	176	M80×2	170	81	265	80	105	160	55	1	6	400	670	14.2
SIRN80ES-D <sup>1)</sup>																		
SIRN90ES	90	60	115	65	206	M100×2	210	101	323	90	124	180	60	1	5	488	980	23.5
SIRN90ES-D <sup>1)</sup>																		
SIRN100ES	100	70	130	70	231	M110×2	235	111	360	105	138	200	65	1	7	607	1120	32.14
SIRN110ES	110	70	140	80	266	M120×3	265	125	407	115	152	220	74	1	6	654	1700	47.6
SIRN120ES	120	85	160	90	340	M130×3	310	135	490	140	172	257	84	1	6	950	2900	72

<sup>1)</sup>杆端体采用碳钢锻造。Rod end is made of carbon steel.

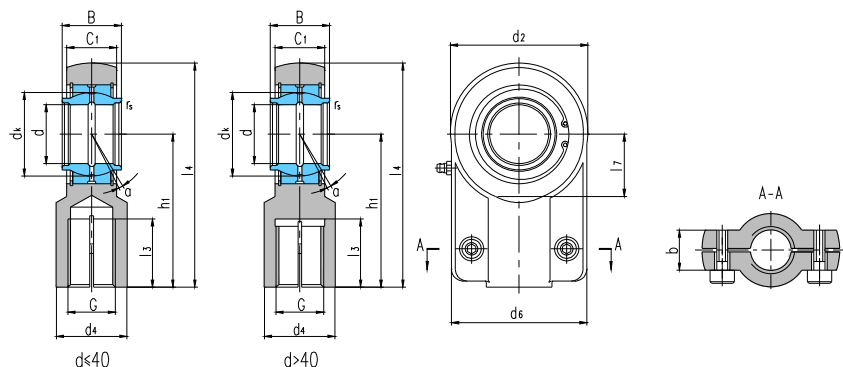
可装自润滑向心关节轴承。Can supply rod ends with maintenance-free spherical plain bearing.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“左”，例如：SILRN40ES M35×1.5 左-6H。

For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SILRN40ES M35×1.5L-6H.



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 钢

Sliding contact surfaces: Steel / Steel

轴 承 型 号  Bearing number	外 形 尺 寸 Dimensions															额定载荷 Load Ratings kN		锁 紧 螺 钉 Screw	重量 Weight ≈kg		
	mm															动载荷 Dynamic				静载荷 Static	
	d	B	d <sub>K</sub>	C <sub>1</sub>	d <sub>2</sub>	G 6H	h <sub>1</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>7</sub>	d <sub>4</sub>	d <sub>6</sub>	b	r <sub>s</sub>	α° ≈						
SIGEW12ES <sup>1)</sup>	12	12	18	11	32	M12×1.25	38	17	54	14	16	32	15	0.3	4	10	24.5	M5×16	0.11		
SIGEW16ES	16	16	23	14	40	M14×1.5	44	19	64	18	21	40	15	0.3	4	17	36.5	M6×16	0.20		
SIGEW20ES	20	20	29	17	47	M16×1.5	52	23	77	22	25	47	19	0.3	4	30	48	M8×20	0.35		
SIGEW25ES	25	25	35.5	22	58	M20×1.5	65	29	96	27	30	54	19	0.6	4	48	78	M8×20	0.62		
SIGEW32ES	32	32	43	28	71	M27×2	80	42	118.5	32	38	66	22	0.6	4	65	114	M10×25	1.15		
SIGEW40ES	40	40	53	33	90	M33×2	97	52.5	146	41	47	80	26	0.6	4	99	204	M10×25	2.18		
SIGEW50ES	50	50	66	40	109	M42×2	120	63.5	179.5	50	58	96	32	0.6	4	156	310	M12×35	3.96		
SIGEW63ES	63	63	83	53	136	M48×2	140	72	211	62	70	114	38	1	4	253	430	M16×40	7.23		
SIGEW63ES-D																					
SIGEW70ES	70	70	92	57	155	M56×2	160	84	245	70	80	135	42	1	4	313	540	M16×40	11.1		
SIGEW70ES-D																					
SIGEW80ES	80	80	105	67	170	M64×3	180	92.5	270	78	90	148	48	1	4	400	695	M20×50	15.01		
SIGEW80ES-D																					
SIGEW90ES	90	90	115	72	185	M72×3	195	103	296	85	100	160	52	1	4	488	750	M20×55	19.1		
SIGEW100ES	100	100	130	85	211	M80×3	210	108	322.5	98	110	178	62	1	4	607	1060	M24×60	25.5		
SIGEW110ES	110	110	140	88	235	M90×3	235	118	364	105	125	190	62	1	4	654	1200	M24×60	36.6		
SIGEW125ES	125	125	160	103	265	M100×3	260	125	405	120	135	200	72	1	4	950	1430	M24×70	52.6		
SIGEW160ES	160	160	200	130	326	M125×4	310	138	488	150	165	250	82	1	4	1360	2200	M24×80	79		
SIGEW200ES	200	200	250	162	418	M160×4	390	173	620	195	215	320	102	1	4	2120	3650	M30×100	164		

<sup>1)</sup>只能通过杆端眼孔润滑。Can only be relubricated through the rod end housing.

<sup>2)</sup>杆端体采用碳钢锻造。Rod end is made of carbon steel.

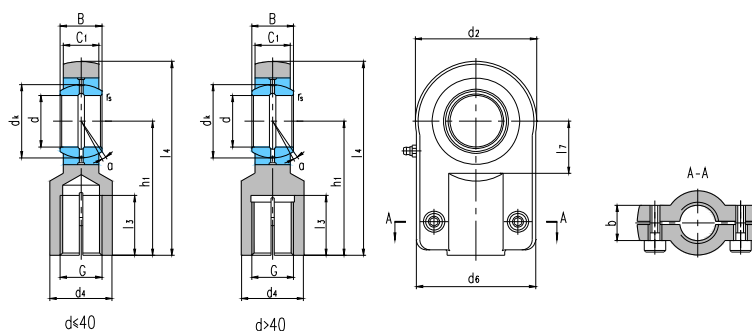
可装自润滑向心关节轴承。Can supply rod ends with maintenance-free spherical plain bearing.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“左”，例如：SILGEW40ES M33×2 左-6H。

For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SILGEW40ES M33×2L-6H.



# 杆端关节轴承 Rod ends



滑动摩擦副：钢 / 钢

Sliding contact surfaces: Steel / Steel

轴承 型号 Bearing number	外形尺寸 Dimensions															额定载荷 Load Ratings kN		锁紧 螺钉 Screw	重量 Weight ≈kg
	d	B	d <sub>K</sub>	C <sub>1</sub>	d <sub>2</sub>	G 6H	h <sub>1</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>7</sub>	d <sub>4</sub>	d <sub>6</sub>	b	r <sub>s</sub>	α° ≈	动载荷 Dynamic	静载荷 Static		
SIQ12E <sup>1)</sup>	12	10	18	8	35	M10×1.25	42	15	59.5	16	17	35	13	0.3	10	10	17	M6×12	0.12
SIQ16ES <sup>2)</sup>	16	14	25	11	45	M12×1.25	48	17	70.5	20	21	45	13	0.3	10	21	28.5	M6×12	0.22
SIQ20ES <sup>2)</sup>	20	16	29	13	55	M14×1.5	58	19	85.5	25	25	55	17	0.3	9	30	42.5	M8×16	0.43
SIQ25ES	25	20	35.5	17	65	M16×1.5	68	23	100.5	30	30	62	17	0.6	7	48	67	M8×16	0.67
SIQ30ES	30	22	40.7	19	80	M20×1.5	85	29	125	35	36	77	19	0.6	6	62	108	M10×20	1.25
SIQ40ES	40	28	53	23	100	M27×2	105	37	155	45	45	90	23	0.6	7	99	156	M10×25	2.16
SIQ50ES	50	35	66	30	120	M33×2	130	54	190	58	55	105	30	0.6	6	156	245	M12×30	3.90
SIQ60ES	60	44	80	38	160	M42×2	150	65	230	68	68	134	36	1	6	245	380	M16×35	8.2
SIQ80ES	80	55	105	47	205	M48×2	185	75	287.5	92	90	156	45	1	6	400	585	M20×45	16.2
SIQ100ES	100	70	130	57	240	M64×3	240	102	360	116	110	190	55	1	7	607	865	M24×55	28.4

<sup>1)</sup> 无润滑通道。No relubrication facility.

<sup>2)</sup> 只能通过杆端眼孔润滑。Can only be relubricated through the rod end housing.

杆端体采用碳钢锻造。Rod end is made of carbon steel.

可装自润滑向心关节轴承。Can supply rod ends with maintenance-free spherical plain bearing.

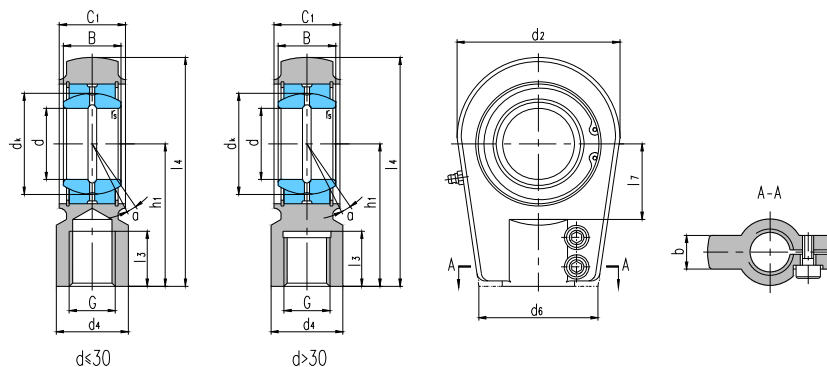
若是左旋螺纹，轴承型号和螺纹标记需加“L”和“左”，例如：SILQ40ES M27×2 左-6H。

For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SILQ40ES M27×2L-6H.



# 杆端关节轴承

## Rod end



滑动摩擦副：钢 / 钢

Sliding contact surfaces: Steel / Steel

轴承 型号 Bearing number	外形尺寸 Dimensions															额定载荷 Load ratings		锁紧 螺钉 Screw	重量 Weight ≈kg
	d	B	d <sub>K</sub>	C <sub>1</sub>	d <sub>2</sub>	G 6H	h <sub>1</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>7</sub>	d <sub>4</sub>	d <sub>6</sub>	b	r <sub>s</sub>	α° ≈	动载荷 Dynamic	静载荷 Static		
SIA25ES	25	20	35.5	23	56	M18×2	65	30	95	29	28	48	21	0.6	7	48	72	M8×20	0.62
SIA30ES	30	22	40.7	28	64	M24×2	75	35	109	34	34	56	26	0.6	6	62	106	M8×25	0.88
SIA35ES	35	25	47	30	78	M30×2	90	46	132	40	45	65	28	0.6	6	79	153	M10×30	1.52
SIA40ES	40	28	53	35	94	M39×3	105	56	155	44	56.5	77	33	0.6	7	99	250	M12×35	2.43
SIA50ES	50	35	66	40	116	M50×3	135	76	198	55	70	88	36	0.6	6	156	365	M12×35	4.75
SIA60ES	60	44	80	50	130	M64×3	170	96	240	65	87	118	46	1	6	245	400	M16×45	8.55
SIA70ES	70	49	92	55	154	M80×3	195	112	277	75	110	128	51	1	6	313	540	M16×50	12.24
SIA80ES	80	55	105	60	176	M90×3	210	122	305	80	128	156	55	1	6	400	670	M20×55	18.35
SIA90ES	90	60	115	65	210	M100×3	250	142	365	90	152	167	60	1	5	488	980	M20×60	31.56
SIA100ES	100	70	130	70	230	M110×4	275	150	400	105	170	171	65	1	7	607	1120	M20×60	34
SIA110ES	110	70	140	80	264	M120×4	300	160	442	115	180	187	75	1	6	654	1700	M24×75	44
SIA120ES	120	85	160	90	340	M150×4	360	192	540	140	210	240	85	1	6	950	2900	M24×85	75
SIA140ES	140	90	180	110	380	M160×4	420	210	620	185	230	244	105	1	7	1070	3350	M30×100	160
SIA160ES	160	105	200	110	480	M180×4	460	220	710	200	260	268	105	1	8	1360	4302	M30×100	185

可装自润滑向心关节轴承。Can supply rod ends with maintenance-free spherical plain bearing.

若是左旋螺纹，轴承型号和螺纹标记需加“L”和“左”，例如：SILA40ES M39×3 左-6H。

For left-hand thread, suffix “L” is added to bearings number and thread sign, e.g. SILA40ES M39×3L-6H.