

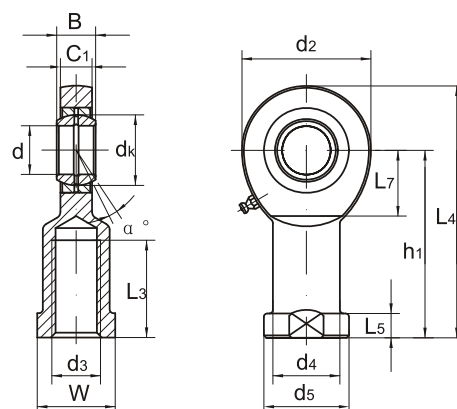
Rod ends SI..E(S), SI..ES 2RS

杆端关节轴承

□ Maintenance required 需润滑

- Rod body with right or left-hand female thread.
- It is made up of a radial spherical plain bearing GE..E(S) or GE..ES 2RS and rod body .
- Surface of rod body zinc plated ,housing of SI..ES with a lubricating hole or grease nipple.

- 杆端体带有左旋或右旋的内螺纹。
- 由杆端体和向心关节轴承GE..E(S)或GE..ES 2RS组成。
- 杆端体表面镀锌，SI..ES型杆端体有润滑油孔或油杯。



型号 Part No.	尺寸mm Dimensions														负荷KN Loadratings		重量Kg Weight
	d	d ₃ 6H	B	C ₁	L ₃ min	W	d ₂	h ₁	L ₄	L ₅	d ₄	d ₅	d _k	α ≈	dyn. 动 C _d	stat. 静 C _s	
SI 6 E*	6	M6×1.0	6	4.4	11	11	21	30	40.5	5	10	13	10	13	3.40	8.15	0.021
SI 8 E*	8	M8×1.25	8	6	15	14	24	36	48	5	12.5	16	13	15	5.50	12.9	0.039
SI 10 E*	10	M10×1.5	9	7	20	17	29	43	57.5	6.5	15	19	16	12	8.15	17.6	0.061
SI 12 E*	12	M12×1.75	10	8	23	19	34	50	67	6.5	17.5	22	18	11	10.8	24.5	0.096
SI 15 ES	15	M14×2.0	12	10	30	22	40	61	81	8	21	26	22	8	17.0	36	0.18
SI 17 ES	17	M16×2.0	14	11	34	27	46	67	90	10	24	30	25	10	21.2	45	0.22
SI 20 ES	20	M20×1.5	16	13	40	32	53	77	103.5	10	27.5	35	29	9	30	60	0.35
SI 25 ES	25	M24×2.0	20	17	48	36	64	94	126	12	33.5	42	35.5	7	48	83	0.64
SI 30 ES	30	M30×2.0	22	19	56	41	73	110	146.5	15	40	50	40.7	6	62	110	0.93
SI 35 ES	35	M36×3.0	25	21	60	50	82	125	166	15	47	58	47	6	80	146	1.3
SI 40 ES	40	M39×3.0	28	23	65	55	92	142	188	18	52	65	53	7	100	180	2.0
SI 40-1 ES	40	M42×3.0	28	23	65	55	92	142	188	18	52	65	53	7	100	180	1.96
SI 45 ES	45	M42×3.0	32	27	65	60	102	145	196	20	58	70	60	7	127	240	2.5
SI 45-1 ES	45	M45×3.0	32	27	65	60	102	145	196	20	58	70	60	7	127	240	2.44
SI 50 ES	50	M45×3.0	35	30	68	65	112	160	216	20	62	75	66	6	156	290	3.5
SI 50-1 ES	50	M52×3.0	35	30	68	65	112	160	216	20	62	75	66	6	156	290	3.4
SI 60 ES	60	M52×3.0	44	38	70	75	135	175	242.5	20	70	88	80	6	245	450	5.5
SI 60-1 ES	60	M60×4.0	44	38	70	75	135	175	242.5	20	70	88	80	6	245	450	5.38
SI 70 ES	70	M56×4.0	49	42	80	85	160	200	280	20	80	98	92	6	315	610	8.6
SI 70-1 ES	70	M72×4.0	49	42	80	85	160	200	280	20	80	98	92	6	315	610	8.42
SI 80 ES	80	M64×4.0	55	47	85	100	180	230	320	25	95	110	105	6	400	750	12
SI 80-1 ES	80	M80×4.0	55	47	85	100	180	230	320	25	95	110	105	6	400	750	11.8

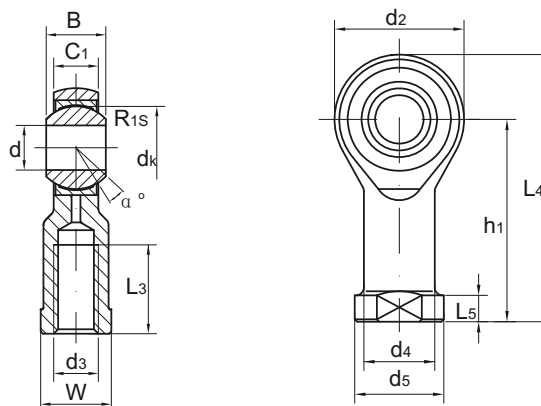
- For left-hand thread ,please add suffix"L",e.g.SIL 30 ES.
- For bearings d15,SI..ES 2RS also available,e.g.SI 25 ES 2RS.
- Lubricating hole or grease nipple isn't available for the sizes marked***.
- 若是左旋螺纹，轴承型号需加"L"，例如：SIL 30 ES。
- 轴承孔径d ≥ 15,也可制造2RS结构，例如：SI 25 ES 2RS。
- 带*的型号均不配油孔或油杯。

Rod ends SI..T/K

杆端关节轴承

□ Maintenance-free 无润滑

- Rod body with right or left-hand female thread.
- It is made up of a maintenance-free radial spherical plain bearing G..PW and rod body.
- Surface of rod body zinc plated.
- 杆端体带有左旋或右旋的内螺纹。
- 由杆端体和自润滑向心关节轴承G..PW组成。
- 杆端体表面镀锌。



Part No. 型号	Dimensions 尺寸mm														Load ratings 负荷KN		Weight 重量Kg
	d	d3 6H	B	C1	W	h1	d2	L4	L5	d4	d5	dk	L3 min	α ≈	dyn. 动 Cd	stat. 静 Cs	
SI 5 T/K	5	M5×0.8	8	6	9	27	18	36	4	8.5	11	11.11	10	13	5.70	6.00	0.016
SI 6 T/K	6	M6×1.0	9	6.75	11	30	20	40	5	10	13	12.70	12	13	7.20	7.65	0.022
SI 8 T/K	8	M8×1.25	12	9	14	36	24	48	5	12.5	16	15.875	16	14	11.6	12.9	0.047
SI 10 T/K	10	M10×1.5	14	10.5	17	43	28	57	6.5	15	19	19.05	20	13	14.5	18	0.077
SI 10-1 T/K	10	M10×1.25	14	10.5	17	43	28	57	6.5	15	19	19.05	20	13	14.5	18	0.077
SI 12 T/K	12	M12×1.75	16	12	19	50	32	66	6.5	17.5	22	22.225	22	13	17	24	0.10
SI 12-1 T/K	12	M12×1.25	16	12	19	50	32	66	6.5	17.5	22	22.225	22	13	17	24	0.10
SI 14 T/K	14	M14×2.0	19	13.5	22	57	36	75	8	20	25	25.40	25	16	24	31	0.16
SI 14-1 T/K	14	M14×1.5	19	13.5	22	57	36	75	8	20	25	25.40	25	16	24	31	0.16
SI 16 T/K	16	M16×2.0	21	15	22	64	42	85	8	22	27	28.575	28	15	28.5	39	0.22
SI 16-1 T/K	16	M16×1.5	21	15	22	64	42	85	8	22	27	28.575	28	15	28.5	39	0.22
SI 18 T/K	18	M18×1.5	23	16.5	27	71	44	93	10	25	31	31.75	32	15	42.5	47.5	0.32
SI 20 T/K	20	M20×1.5	25	18	30	77	50	102	10	27.5	34	34.925	33	14	42.5	57	0.42
SI 22 T/K	22	M22×1.5	28	20	32	84	54	111	12	30	38	38.10	37	15	57	68	0.54
SI 25 T/K	25	M24×2.0	31	22	36	94	60	124	12	33.5	42	42.86	42	15	68	85	0.72
SI 28 T/K	28	M27×2.0	35	24	41	103	66	136	14	37	46	47.63	51	15	86	107	0.82
SI 30 T/K	30	M30×2.0	37	25	41	110	70	145	15	40	50	50.8	51	17	88	114	1.1
SI 30-1 T/K	30	M27×2.0	37	25	41	110	70	145	15	40	50	50.8	51	17	88	114	1.1
SI 35 T/K	35	M36×2.0	43	28	50	125	81	165.5	17	46	58	57.15	56	16	.	.	1.6
SI 40 T/K	40	M42×2.0	49	33	55	142	91	187.5	19	53	65	66.67	60	16	.	.	2.4
SI 50 T/K	50	M48×2.0	60	45	65	160	117	218.5	23	65	75	82.5	65	12	.	.	5.0

-For left-hand thread, please add suffix "L", e.g. SIL 18T/K.

-若是左旋螺纹, 轴承型号需加 "L", 例如: SIL 18 T/K。

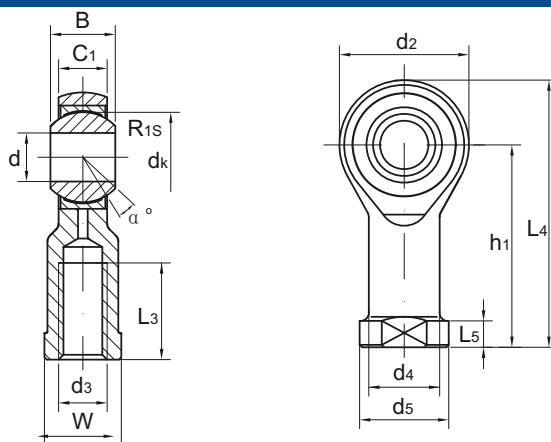
Rod ends SSI..T/K

杆端关节轴承

□ Maintenance-free, stainless 无润滑，不锈钢

-Design features as series SI..T/K, but in stainless steel.

-结构特点与SI..T/K相同，但材料为不锈钢。



Part No. 型号	Dimensions 尺寸mm														Load ratings 负荷KN		Weight 重量Kg
	d	d3 6H	B	C1	W	h1	d2	L4	L5	d4	d5	dk	L3 min	α ≈	dyn. 动 Cd	stat. 静 Cs	
SSI 5 T/K	5	M5×0.8	8	6	9	27	18	36	4	8.5	11	11.11	10	13	5.70	6.00	0.016
SSI 6 T/K	6	M6×1.0	9	6.75	11	30	20	40	5	10	13	12.70	12	13	7.20	7.65	0.022
SSI 8 T/K	8	M8×1.25	12	9	14	36	24	48	5	12.5	16	15.875	16	14	11.6	12.9	0.047
SSI 10 T/K	10	M10×1.5	14	10.5	17	43	28	57	6.5	15	19	19.05	20	13	14.5	18	0.077
SSI 10-1 T/K	10	M10×1.25	14	10.5	17	43	28	57	6.5	15	19	19.05	20	13	14.5	18	0.077
SSI 12 T/K	12	M12×1.75	16	12	19	50	32	66	6.5	17.5	22	22.225	22	13	17	24	0.10
SSI 12-1 T/K	12	M12×1.25	16	12	19	50	32	66	6.5	17.5	22	22.225	22	13	17	24	0.10
SSI 14 T/K	14	M14×2.0	19	13.5	22	57	36	75	8	20	25	25.40	25	16	24	31	0.16
SSI 14-1 T/K	14	M14×1.5	19	13.5	22	57	36	75	8	20	25	25.40	25	16	24	31	0.16
SSI 16 T/K	16	M16×2.0	21	15	22	64	42	85	8	22	27	28.575	28	15	28.5	39	0.22
SSI 16-1 T/K	16	M16×1.5	21	15	22	64	42	85	8	22	27	28.575	28	15	28.5	39	0.22
SSI 18 T/K	18	M18×1.5	23	16.5	27	71	44	93	10	25	31	31.75	32	15	42.5	47.5	0.32
SSI 20 T/K	20	M20×1.5	25	18	30	77	50	102	10	27.5	34	34.925	33	14	42.5	57	0.42
SSI 22 T/K	22	M22×1.5	28	20	32	84	54	111	12	30	38	38.10	37	15	57	68	0.54
SSI 25 T/K	25	M24×2.0	31	22	36	94	60	124	12	33.5	42	42.86	42	15	68	85	0.72
SSI 28 T/K	28	M27×2.0	35	24	41	103	66	136	14	37	46	47.63	51	15	86	107	0.82
SSI 30 T/K	30	M30×2.0	37	25	41	110	70	145	15	40	50	50.8	51	17	88	114	1.10
SSI30-1 T/K	30	M27×2.0	37	25	41	110	70	145	15	40	50	50.8	51	17	88	114	1.10

-For left-hand thread, please add suffix "L", e.g. SSIL18T/K.

-若是左旋螺纹，轴承型号需加“L”，例如：SSIL18T/K。

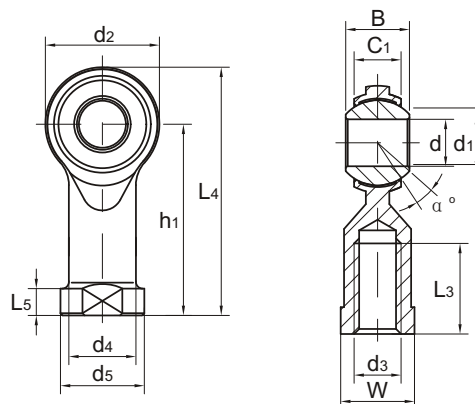
Rod ends SI..PK

杆端关节轴承

□ Maintenance-free 无润滑

- Rod body with right or left-hand female thread.
- Rod body pressed around inner ring.
- Outer race lined with CSB-FR PTFE composite material.
- Surface of rod body zinc plated.

- 杆端体带有左旋或右旋的内螺纹。
- 由杆端体挤压成型。
- 外圈球面衬有CSB-FR PTFE复合材料。
- 杆端体表面镀锌。



Part No. 型号	Dimensions 尺寸mm													Load ratings 负荷KN		Weight 重量Kg
	d	d ₃ 7H	B	C ₁	d ₂	h ₁	L ₄	L ₃ min	d ₄	d ₅	W	L ₅	α ≈	dyn. 动 C _d	stat. 静 C _s	
SI 5 PK	5	M5×0.8	8	6	19	27	36.5	10	9	11	9	4	12	5.70	6	0.018
SI 6 PK	6	M6×1.0	9	6.7	21	30	40.5	12	10	13	11	5	11	7.20	7.65	0.026
SI 8 PK	8	M8×1.25	12	9	25	36	48.5	16	12.5	16	14	5	12	11.6	12.9	0.047
SI 10 PK	10	M10×1.5	14	11	29	43	57.5	20	15	19	17	6.5	12	14.5	18	0.077
SI 10-1 PK	10	M10×1.25	14	11	29	43	57.5	20	15	19	17	6.5	12	14.5	18	0.077
SI 12 PK	12	M12×1.75	16	12	33	50	66.5	22	17.5	22	19	6.5	13	17	24	0.10
SI 12-1 PK	12	M12×1.25	16	12	33	50	66.5	22	17.5	22	19	6.5	13	17	24	0.10
SI 14 PK	14	M14×2.0	19	14	37	57	75.5	25	20	25	22	8	14	24	31	0.16
SI 16 PK	16	M16×2.0	21	15	43	64	85.5	28	22	27	22	8	14	28.5	39	0.22
SI 16-1 PK	16	M16×1.5	21	15	43	64	85.5	28	22	27	22	8	14	28.5	39	0.22
SI 18 PK	18	M18×1.5	23	17	47	71	94.5	32	25	31	27	10	14	42.5	47.5	0.32
SI 20 PK	20	M20×1.5	25	18	51	77	102.5	33	27.5	34	30	10	14	42.5	57	0.42
SI 22 PK	22	M22×1.5	28	20	55	84	111.5	37	30	38	32	12	15	57	68	0.54
SI 25 PK	25	M24×2.0	31	22	61	94	124.5	42	33.5	42	36	12	15	68	85	0.72

-For left-hand thread, please add suffix "L", e.g. SIL 18 PK.

-若是左旋螺纹，轴承型号需加“L”，例如：SIL 18 PK。

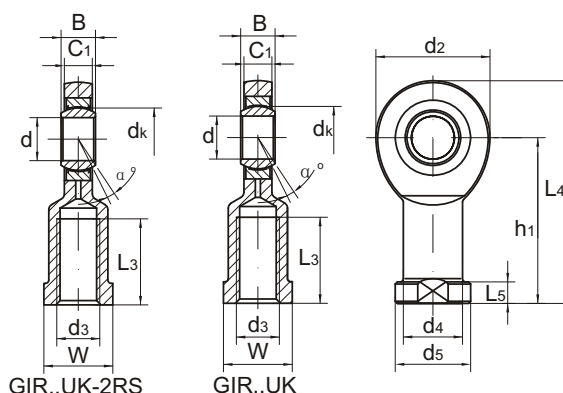
Rod ends GIR..UK, GIR..UK 2RS

杆端关节轴承

□ Maintenance-free 无润滑

- Rod body with right or left-hand female thread.
- It is made up of a maintenance-free radial spherical plain bearing GE.. UK or GE.. UK 2RS and rod body.
- Surface of rod body zinc plated.

- 杆端体带有左旋或右旋的内螺纹。
- 由杆端体和自润滑向心关节轴承GE..UK或GE..UK 2RS 组成。
- 杆端体表面镀锌。



Part No. 型号	Dimensions 尺寸mm														Load ratings 负荷KN		Weight 重量Kg
	d	d ₃ 6H	B	C ₁	d ₂	L ₃ min	W	d ₄	d ₅	L ₅	h ₁	L ₄	d _k	α	dyn. 动 C _d	stat. 静 C _s	
GIR 6 UK	6	M6×1.0	6	4.4	21	11	11	10	13	5	30	40.5	10	13	3.60	8.15	0.021
GIR 8 UK	8	M8×1.25	8	6.0	24	15	14	12.5	16	5	36	48	13	15	5.85	12.9	0.039
GIR 10 UK	10	M10×1.5	9	7.0	29	20	17	15	19	6.5	43	57.5	16	12	8.65	17.6	0.061
GIR 12 UK	12	M12×1.75	10	8.0	34	23	19	17.5	22	6.5	50	67	18	11	11.4	24.5	0.096
GIR 15 UK	15	M14×2.0	12	10	40	30	22	21	26	8	61	81	22	8	17.6	36	0.18
GIR 17 UK(2RS)	17	M16×2.0	14	11	46	34	27	24	30	10	67	90	25	10	22.4	45	0.22
GIR 20 UK(2RS)	20	M20×1.5	16	13	53	40	32	27.5	35	10	77	103.5	29	9	31.5	60	0.35
GIR 25 UK(2RS)	25	M24×2.0	20	17	64	48	36	33.5	42	12	94	126	35.5	7	51.0	83	0.64
GIR 30 UK(2RS)	30	M30×2.0	22	19	73	56	41	40	50	15	110	146.5	40.7	6	66.5	110	0.93
GIR 35 UK 2RS	35	M36×3.0	25	21	82	60	50	47	58	15	125	166	47	6	112	146	1.3
GIR 40 UK 2RS	40	M39×3.0	28	23	92	65	55	52	65	18	142	188	53	7	140	180	2.0
GIR 40-1 UK 2RS	40	M42×3.0	28	23	92	65	55	52	65	18	142	188	53	7	140	180	1.96
GIR 45 UK 2RS	45	M42×3.0	32	27	102	65	60	58	70	20	145	196	60	7	180	240	2.5
GIR 45-1 UK 2RS	45	M45×3.0	32	27	102	65	60	58	70	20	145	196	60	7	180	240	2.44
GIR 50 UK 2RS	50	M45×3.0	35	30	112	68	65	62	75	20	160	216	66	6	220	290	3.5
GIR 50-1 UK 2RS	50	M52×3.0	35	30	112	68	65	62	75	20	160	216	66	6	220	290	3.4
GIR 60 UK 2RS	60	M52×3.0	44	38	135	70	75	70	88	20	175	242.5	80	6	345	450	5.5
GIR 60-1 UK 2RS	60	M60×4.0	44	38	135	70	75	70	88	20	175	242.5	80	6	345	450	5.38
GIR 70 UK RS	70	M56×4.0	49	42	160	80	85	80	98	20	200	280	92	6	440	610	8.6
GIR 70-1 UK 2RS	70	M72×4.0	49	42	160	80	85	80	98	20	200	280	92	6	440	610	8.42
GIR 80 UK 2RS	80	M64×4.0	55	47	180	85	100	95	110	25	230	320	105	6	570	750	12
GIR 80-1 UK 2RS	80	M80×4.0	55	47	180	85	100	95	110	25	230	320	105	6	570	750	11.8

-For left-hand thread, please add suffix"L", e.g. GIL 10 UK.

-若是左旋螺纹，轴承型号需加“L”，例如：GIL 10 UK。

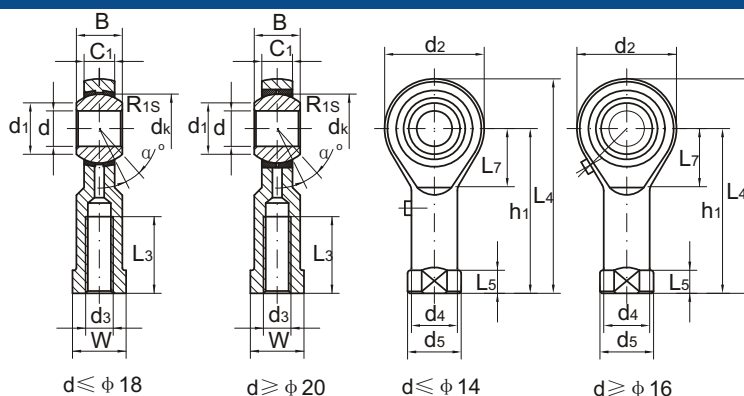
Rod ends PHS..

杆端关节轴承

□ Maintenance required 需润滑

- Rod body with right or left-hand female thread.
- Outer race lined with bronze liner.
- Surface of rod body zinc plated, rod body with a lubricating hole or grease nipple.

- 杆端体带有左旋或右旋的内螺纹。
- 外圈球面镶有青铜衬垫。
- 杆端体表面镀锌，有润滑油孔或油杯。



Part No. 型号	Dimensions 尺寸mm															Load ratings 负荷KN		Weight 重量Kg
	d	d ₃ 6H	B	C ₁	W	L ₃ min	d ₂	L ₄	h ₁	L ₅	d ₄	d ₅	d _k	d ₁	α ≈	dyn. 动 C _d	stat. 静 C _s	
PHS 4	4	M4×0.7	7	5.25	8	8	14	31	24	4	8	9.5	9.525	6.5	13	3.0	5.0	0.009
PHS 5	5	M5×0.8	8	6	9	10	16	35	27	4	8.5	11	11.11	7.70	13	3.25	5.70	0.016
PHS 6	6	M6×1.0	9	6.75	11	12	18	39	30	5	10	13	12.70	8.96	13	4.3	7.20	0.022
PHS 8	8	M8×1.25	12	9	14	16	22	47	36	5	12.5	16	15.875	10.4	14	7.2	11.6	0.047
PHS10	10	M10×1.5	14	10.5	17	20	26	56	43	6.5	15	19	19.05	12.9	13	10	14.5	0.077
PHS 10-1	10	M10×1.25	14	10.5	17	20	26	56	43	6.5	15	19	19.05	12.9	13	10	14.5	0.077
PHS 12	12	M12×1.75	16	12	19	22	30	65	50	6.5	17.5	22	22.225	15.4	13	13.4	17	0.10
PHS 12-1	12	M12×1.25	16	12	19	22	30	65	50	6.5	17.5	22	22.225	15.4	13	13.4	17	0.10
PHS 14	14	M14×2.0	19	13.5	22	25	34	74	57	8	20	25	25.40	16.9	16	17	24	0.16
PHS 14-1	14	M14×1.5	19	13.5	22	25	34	74	57	8	20	25	25.40	16.9	16	17	24	0.16
PHS 16	16	M16×2.0	21	15	22	28	40	84	64	8	22	27	28.575	19.4	15	21.6	28.5	0.22
PHS 16-1	16	M16×1.5	21	15	22	28	40	84	64	8	22	27	28.575	19.4	15	21.6	28.5	0.22
PHS 18	18	M18×1.5	23	16.5	27	32	44	93	71	10	25	31	31.75	21.9	15	26	42.5	0.32
PHS 20	20	M20×1.5	25	18	30	33	50	102	77	10	27.5	34	34.925	24.4	14	31.5	42.5	0.42
PHS 22	22	M22×1.5	28	20	32	37	54	111	84	12	30	38	38.10	25.8	15	38	57	0.54
PHS 25	25	M24×2.0	31	22	36	42	60	124	94	12	33.5	42	42.86	29.6	15	47.5	68	0.73
PHS 28	28	M27×2.0	35	24	41	48	66	136	103	14	37	46	47.63	32.3	15	58	75	0.98
PHS 30	30	M30×2.0	37	25	41	51	70	145	110	15	40	50	50.8	34.8	17	64	88	1.10
PHS 30-1	30	M27×2.0	37	25	41	51	70	145	110	15	40	50	50.8	34.8	17	64	88	1.10

-For left-hand thread, please add suffix "L", e.g. PHSL 8.

-若是左旋螺纹，轴承型号需加"L"，例如：PHSL 8。

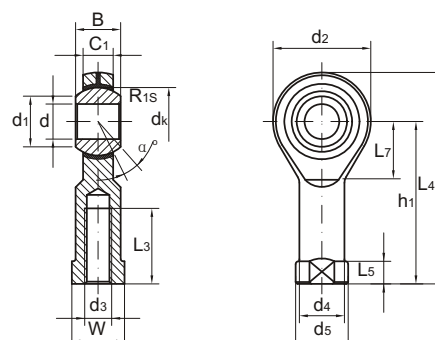
Rod ends SI..ZK.

杆端关节轴承

☐ Maintenance-free 无润滑

- Rod body with right or left-hand female thread.
- With moulded Nylon/Teflon/Fiberglass compound insert .
- Surface of rod body zinc plated.

- 杆端体带有左旋或右旋的内螺纹。
- 外圈用注塑工艺成型。
- 杆端体表面镀锌。



Part No. 型号	Dimensions 尺寸mm															Load ratings 负荷KN		Weight 重量Kg
	d	d ₃ 6H	B	C ₁	W	L ₃ min	d ₂	L ₄	h ₁	L ₅	d ₄	d ₅	d _k	d ₁	α ≈	dyn. 动 C _d	stat. 静 C _s	
SI 4 ZK	4	M4×0.7	7	5.25	8	8	14	31	24	4	8	9.5	9.525	6.5	13	3.0	5.0	0.009
SI 5 ZK	5	M5×0.8	8	6	9	10	16	35	27	4	8.5	11	11.11	7.70	13	3.25	5.70	0.016
SI 6 ZK	6	M6×1.0	9	6.75	11	12	18	39	30	5	10	13	12.70	8.96	13	4.3	7.20	0.022
SI 8 ZK	8	M8×1.25	12	9	14	16	22	47	36	5	12.5	16	15.875	10.4	14	7.2	11.6	0.047
SI 10 ZK	10	M10×1.5	14	10.5	17	20	26	56	43	6.5	15	19	19.05	12.9	13	10	14.5	0.077
SI 10-1 ZK	10	M10×1.25	14	10.5	17	20	26	56	43	6.5	15	19	19.05	12.9	13	10	14.5	0.077
SI 12 ZK	12	M12×1.75	16	12	19	22	30	65	50	6.5	17.5	22	22.225	15.4	13	13.4	17	0.10
SI 12-1 ZK	12	M12×1.25	16	12	19	22	30	65	50	6.5	17.5	22	22.225	15.4	13	13.4	17	0.10
SI 14 ZK	14	M14×2.0	19	13.5	22	25	34	74	57	8	20	25	22.40	16.9	16	17	24	0.16
SI 14-1 ZK	14	M14×1.5	19	13.5	22	25	34	74	57	8	20	25	25.40	16.9	16	17	24	0.16
SI 16 ZK	16	M16×2.0	21	15	22	28	40	84	64	8	22	27	28.575	19.4	15	21.6	28.5	0.22
SI 16-1 ZK	16	M16×1.5	21	15	22	28	40	84	64	8	22	27	28.575	19.4	15	21.6	28.5	0.22
SI 18 ZK	18	M18×1.5	23	16.5	27	32	44	93	71	10	25	31	31.75	21.9	15	26	42.5	0.32
SI 20 ZK	20	M20×1.5	25	18	30	33	50	102	77	10	27.5	34	34.925	24.4	14	31.5	42.5	0.42
SI 22 ZK	22	M22×1.5	28	20	32	37	54	111	84	12	30	38	38.10	25.8	15	38	57	0.54
SI 25 ZK	25	M24×2.0	31	22	36	42	60	124	94	12	33.5	42	42.86	29.6	15	47.5	68	0.73
SI 28 ZK	28	M27×2.0	35	24	41	48	66	136	103	14	37	46	47.63	32.3	15	58	75	0.98
SI 30 ZK	30	M30×2.0	37	25	41	51	70	145	110	15	40	50	50.8	34.8	17	64	88	1.10
SI 30-1 ZK	30	M27×2.0	37	25	41	51	70	145	110	15	40	50	50.8	34.8	17	64	88	1.10

-For left-hand thread, please add suffix"L", e.g. SIL 8 ZK.

-若是左旋螺纹，轴承型号需加“L”，例如：SIL 8 ZK。

Rod ends SIZP..S

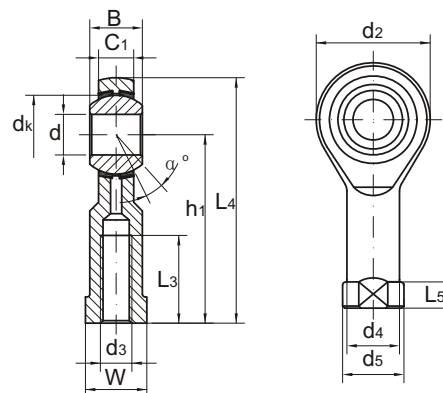
杆端关节轴承

☐ Maintenance required, inch dimensions

需润滑，英制尺寸

- Rod body with right or left-hand female thread.
- Outer race lined with bronze liner.
- Surface of rod body zinc plated.
- In inch dimension series.

- 杆端体带有左旋或右旋的内螺纹。
- 外圈球面镶有青铜衬垫。
- 杆端体表面镀锌。
- 英制系列。



Part No. 型号	Dimensions 尺寸mm														Load ratings 负荷KN		Weight 重量Kg
	d	d ₃ 2B	B	C ₁	dk	d ₂	h ₁	L ₃ min	L ₄	L ₅	d ₄	d ₅	w	α ≈	dyn. 动 C _d	stat. 静 C _s	
SIZP 4 S	4.826	10-32	7.92	6.35	11.11	15.88	26.97	14.27	34.91	4.75	7.54	10.31	7.92	10	3.4	4.6	0.015
SIZP 6 S	6.35	1/4-28	9.53	7.14	12.70	19.05	33.32	19.05	42.85	4.75	9.15	11.91	9.53	13	4.5	7.7	0.025
SIZP 7 S	7.938	5/16-24	11.1	8.74	15.875	22.23	34.93	19.05	46.04	4.75	10.72	12.70	11.1	10	6.9	8.4	0.036
SIZP 9 S	9.525	3/8-24	12.7	10.31	19.05	25.40	41.28	23.80	53.98	6.35	13.89	17.45	14.27	9	9.4	10	0.061
SIZP 11 S	11.113	7/16-20	14.27	11.10	19.05	28.58	46.02	26.97	60.61	6.35	15.49	19.05	15.88	11	11	13	0.081
SIZP 12 S	12.70	1/2-20	15.88	12.70	22.225	33.32	53.98	30.15	70.64	6.35	18.67	22.23	19.05	9	15	19	0.133
SIZP 15 S	15.875	5/8-18	19.05	14.27	28.575	38.10	63.50	38.10	82.55	7.92	21.84	25.40	22.23	11	20	21	0.190
SIZP 19 S	19.05	3/4-16	22.23	17.45	31.75	44.45	73.03	44.45	95.25	7.92	25.02	28.58	25.4	10	29	29	0.285
SIZP 25 S	25.40	5/4-12	34.93	25.40	50.80	69.85	104.78	53.98	139.7	11.1	37.72	44.45	38.1	14	60	101	1.00

-For left-hand thread, please add suffix "L", e.g. SILZP 15 S.

-若是左旋螺纹，轴承型号需加“L”，例如：SILZP 15 S。

Rod ends CF., CF..S

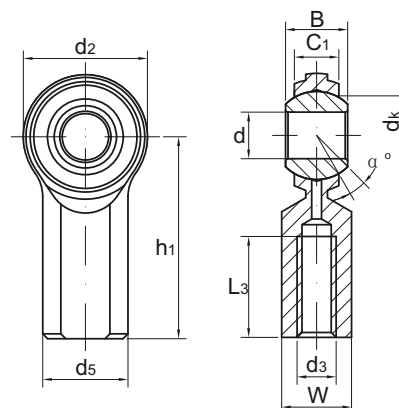
杆端关节轴承

☐ Maintenance required, inch dimensions

需润滑，英制尺寸

- Rod body with right or left-hand female thread.
- Rod body pressed around inner ring.
- Surface of rod body zinc plated.
- In inch dimension series.

- 杆端体带有左旋或右旋的内螺纹。
- 杆端体挤压成型。
- 杆端体表面镀锌。
- 英制系列。



Part No. 型号	Dimensions 尺寸mm											Load ratings 负荷KN	Weight 重量Kg
	d	B	C ₁	h ₁	d ₂	d ₅	W	dk	L ₃ min	d ₃ 2B	α ≈		
CF 3*	4.826	7.92	5.94	26.97	15.88	10.31	7.92	11.10	12.70	10-32	10	9.247	0.018
CF 4*	6.350	9.53	6.35	33.32	19.05	11.91	9.53	12.70	17.45	1/4-28	13.5	14.269	0.023
CF 5*	7.938	11.1	7.92	34.93	22.23	12.7	11.1	15.88	17.45	5/16-24	11	17.009	0.036
CF 6	9.525	12.7	9.12	41.28	25.40	17.45	14.27	18.26	20.62	3/8-24	11	22.627	0.059
CF 7	11.113	14.27	10.31	46.02	28.58	19.05	15.88	20.62	23.80	7/16-20	10.5	28.400	0.082
CF 8	12.70	15.88	11.50	53.98	33.32	22.23	19.05	23.80	26.97	1/2-20	10	40.459	0.132
CF 10	15.875	19.05	12.29	63.50	38.10	25.40	22.23	28.58	34.93	5/8-18	13	43.203	0.195
CF 12	19.05	22.23	15.06	73.03	44.45	28.58	25.40	33.32	39.67	3/4-16	12	63.193	0.295

- For left-hand thread, please add suffix "L", e.g. please use the sign CFL 10.
- Lubricating hole or grease nipple isn't available for the sizes marked***. When grease nipple is required for other sizes, please use the sign CF..S.
- Load ratings only to rod ends without grease nipple.
- 若是左旋螺纹，轴承型号需加“L”，例如：CFL 10。
- 带有“*”的型号均不配油孔或油杯，其余若需配油杯，请用CF..S的代号。
- 表中负荷值仅使用不带油杯的情况。

Rod ends JF., JF..S

杆端关节轴承

☐ Maintenance required, inch dimensions

需润滑，英制尺寸

-Rod body with right or left-hand female thread.

-Outer race lined with bronze liner.

-Surface of rod body zinc plated.

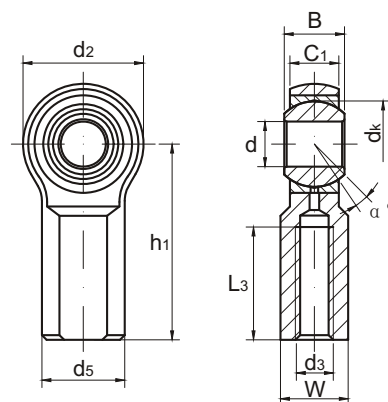
-In inch dimension series.

-杆端体带有左旋或右旋的内螺纹。

-外圈球面镶有青铜衬垫。

-杆端体表面镀锌。

-英制系列。



Part No. 型号	Dimensions 尺寸mm											Load ratings 负荷KN	Weight 重量Kg
	d	B	C ₁	h ₁	d ₂	d ₅	W	d _k	L ₃ min	d ₃ 2B	α ≈		
JF 2*	3.175	6.35	4.75	20.62	12.70	7.92	6.35	7.92	11.10	6-32	8	5.344	0.009
JF 3*	4.826	7.92	6.35	26.97	15.88	10.31	7.92	11.1	14.27	10-32	6.5	6.805	0.017
JF 4*	6.35	9.53	7.14	33.32	19.05	11.91	9.53	12.7	19.05	1/4-28	8	11.297	0.027
JF 5*	7.938	11.1	8.74	34.93	22.23	12.70	11.1	15.88	19.05	5/16-24	7	13.934	0.042
JF 6	9.525	12.7	10.31	41.28	25.40	17.45	14.27	18.26	23.80	3/8-24	6	17.416	0.069
JF 7	11.113	14.27	11.10	46.02	28.58	19.05	15.88	20.62	26.97	7/16-20	7	18.759	0.090
JF 8	12.70	15.88	12.70	53.98	33.32	22.23	19.05	23.80	30.15	1/2-20	6	29.624	0.149
JF 10	15.875	19.05	14.27	63.50	38.10	25.40	22.23	28.58	38.10	5/8-18	8	32.752	0.216
JF 12	19.05	22.23	17.45	73.03	44.45	28.58	25.40	33.32	44.45	3/4-16	7	51.237	0.328
JF 14	22.225	22.23	19.43	85.73	50.80	33.02	28.58	33.32	47.63	7/8-14	3.5	82.185	0.467
JF 14-1	22.225	22.23	17.45	88.90	50.80	33.32	30.15	33.32	46.02	7/8-14	6	101.601	0.467
JF 16	25.4	34.93	25.4	104.78	69.85	41.28	38.1	47.63	53.98	1 1/4-12	8.5	193.67	0.964
JF 16-1	25.4	34.93	25.4	104.78	69.85	41.28	38.1	47.63	53.98	1-14	8.5	193.67	1.093
JF 16-2	25.4	34.93	25.4	104.78	69.85	41.28	38.1	47.63	53.98	1-12	8.5	193.67	1.093

-For left-hand thread, please add suffix "L", e.g. JFL10.

-Lubricating hole or grease nipple isn't available for the sizes marked "*"

When grease nipple is required for other sizes, please use the sign JF..S.

-Load ratings apply only to rod ends without grease nipple.

-若是左旋螺纹，轴承型号需加“L”，例如：JFL10。

-带“*”的型号均不配油孔或油杯，其余若需配油杯，请用JF..S的代号。

-带中负荷值仅使用不带油杯的情况。

Rod ends CF..T

杆端关节轴承

☐ Maintenance-free, inch dimensions

需润滑，英制尺寸

-Rod body with right or left-hand female thread.

-Rod body pressed around inner ring.

-Surface of rod body zinc plated.

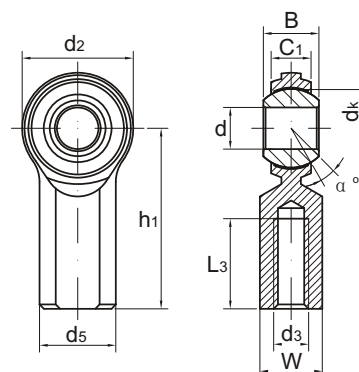
-Outer race lined with PTFE fabric.

-杆端体带有左旋或右旋的内螺纹。

-杆端体挤压成型。

-杆端体表面镀锌。

-外圈内球面粘贴PTFE织物。



Part No. 型号	Dimensions 尺寸mm											Load ratings 负荷KN	Weight 重量Kg
	d	B	C ₁	h ₁	d ₂	d ₅	w	dk	L ₃ min	d ₃ 2B	α ≈		
CF 3 T	4.826	7.92	5.94	26.97	15.875	10.31	7.92	11.1	12.7	10-32	10	8.02	0.018
CF 4 T	6.35	9.53	6.35	33.32	19.05	11.89	9.53	12.7	17.45	1/4-28	13.5	16.082	0.023
CF 5 T	7.938	11.1	7.92	34.93	22.23	12.70	11.10	15.88	17.45	5/16-24	11	28.693	0.036
CF 6 T	9.525	12.7	9.12	41.28	25.40	17.45	14.27	18.26	20.62	3/8-24	11	38.371	0.059
CF 7 T	11.113	14.27	10.31	46.02	28.58	19.05	15.88	20.62	23.80	7/16-20	10.5	41.676	0.082
CF 8 T	12.70	15.88	11.50	53.98	33.32	22.23	19.05	23.80	26.97	1/2-20	10	67.299	0.132
CF 10 T	15.875	19.05	12.29	63.50	38.10	25.40	22.23	28.58	34.93	5/8-18	13	75.271	0.195
CF 12 T	19.05	22.23	15.06	73.03	44.45	28.58	25.40	33.32	39.67	3/4-16	12	113.642	0.295

-For left-hand thread, please add suffix "L", e.g. CFL 10 T.

-若是左旋螺纹，轴承型号需加“L”，例如：CFL 10 T.

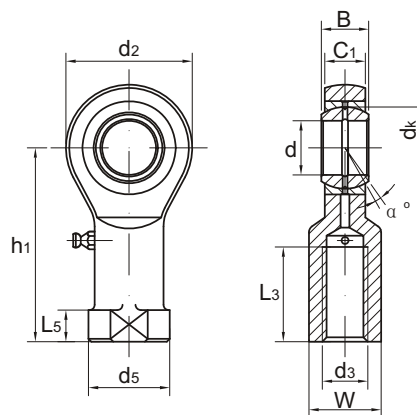
Rod ends KF..

杆端关节轴承

☐ Maintenance required, inch dimension, heavy duty

需润滑，英制尺寸，重负载

- Rod body with right or left-hand female thread.
- It is made up of a radial spherical plain bearing GEZ..ES or GEZ..ES 2RS and rod body.
- Surface of rod body zinc plated, rod body with a grease nipple.
- In inch dimensions series.
- 杆端体带有左旋或右旋的内螺纹。
- 由杆端体和向心关节轴承GEZ..ES或GEZ..2RS组成。
- 杆端体表面镀锌，带有油杯。
- 英制系列。



Part No. 型号	Dimensions 尺寸mm												Load ratings 负荷KN	Weight 重量Kg
	d	B	c ₁	h ₁	d ₂	d ₅	W	L ₅	L _k	L ₃ min	d ₃ 2B	α ≈		
KF 20-1	31.75	27.762	23.80	104.8	69.85	41.28	38.10	12.70	45.59	53.98	1 1/4-12	3.5	197.91	0.964
KF 24-1	38.10	33.325	28.575	136.5	88.90	57.15	50.80	22.23	54.74	66.68	1 1/2-12	3.2	288.06	2.95
KF 32-1	50.80	44.450	38.10	203.2	127	79.38	69.85	52.37	73.03	101.6	2-12	3.0	682.82	6.80

-For left-hand thread please add suffix"L", e.g. KFL 24-1.

-若是左旋螺纹，轴承型号需加“L”，例如：KFL 24-1。

Rod ends for hydraulic components GIHR..DO



用于液压部件的杆端关节轴承

□ Maintenance required, with female thread

需润滑，内螺纹

-Rod end housing with right or left-hand female thread.

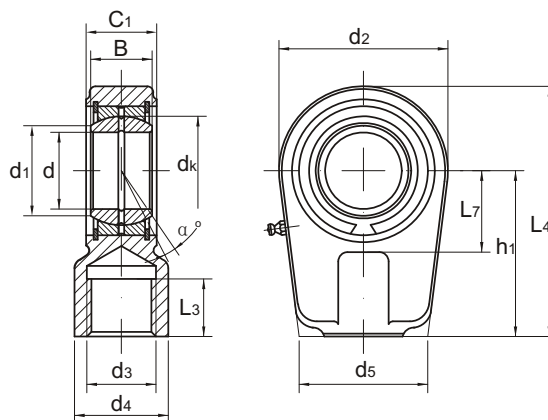
-It is made up of a radial spherical plain bearing GE..ES or GE..ES 2RS and rod end housing.

-Rod end housing with a lubricating hole or grease nipple.

-杆端座体带有左旋或右旋的内螺纹。

-由向心关节轴承GE..ES 或 GE..ES 2RS 和杆端座体组成。

-杆端座体带有润滑油孔或油杯。



Part No. 型号	Dimensions 尺寸mm														Load ratings 负荷KN		Weight 重量Kg
	d	d3 6H	d4	L3 min	B	C1	d2	L7 min	h1	L4	d5	d1	dk	α ≈	Dyn. 动 Cd	stat. 静 Cs	
GIHR 20 DO	20	M16×1.5	25	17	16	19	56	25	50	80	46	24.2	29.0	9	30	72	0.43
GIHR 25 DO	25	M16×1.5	25	17	20	23	56	28	50	80	46	29.3	35.5	7	48	72	0.48
GIHR 30 DO	30	M22×1.5	32	23	22	28	64	30	60	94	50	34.2	40.7	6	62	106	0.74
GIHR 35 DO	35	M28×1.5	40	29	25	30	78	38	70	112	66	39.8	47	6	80	153	1.2
GIHR 40 DO	40	M35×1.5	49	36	28	35	94	45	85	135	76	45.0	53	7	100	250	2.0
GIHR 50 DO	50	M45×1.5	61	46	35	40	116	55	105	168	90	55.9	66	6	156	365	3.8
GIHR 60 DO	60	M58×1.5	75	59	44	50	130	65	130	200	120	66.8	80	6	245	400	5.4
GIHR 70 DO	70	M65×1.5	86	66	49	55	154	75	150	232	130	77.9	92	6	315	540	8.5
GIHR 80 DO	80	M80×2.0	105	81	55	60	176	80	170	265	160	89.4	105	6	400	670	12.0
GIHR 90 DO	90	M100×2.0	124	101	60	65	206	90	210	323	180	98.1	115	5	490	980	21.5
GIHR 100 DO	100	M110×2.0	138	111	70	70	231	105	235	360	200	109.5	130	7	610	1120	27.5
GIHR 110 DO	110	M120×3.0	152	125	70	80	266	115	265	407.5	220	121.2	140	6	655	1700	40.5
GIHR 120 DO	120	M130×3.0	172	135	85	90	340	140	310	490	257	135.5	160	6	950	2900	76.0

-For left-hand thread, please add suffix "L", e.g. GIHL 40 DO.

-若是左旋螺纹，轴承型号需加“L”，例如：GIHL 40 DO。

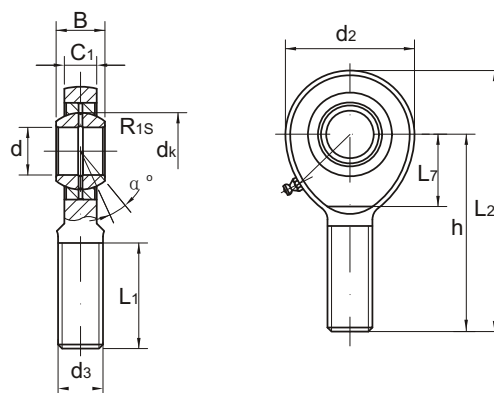
Rod ends SA..E(S), SA..ES 2RS

杆端关节轴承

□ Maintenance required 需润滑

- Rod body with right or left-hand male thread.
- It is made up of a radial spherical plain bearing GE..E(S) or G E..ES 2RS and rod body.
- Surface of rod body zinc plated ,housing of SA..ES with a lubricating hole or grease nipple.

- 杆端体带有左旋或右旋的外螺纹。
- 由杆端体和向心关节轴承GE..E(S)或GE..ES 2RS组成。
- 杆端体表面镀锌，SA..ES型杆端体有润滑油孔或油杯。



Part No. 型号	Dimensions 尺寸mm												Load ratings 负荷KN		Weight 重量Kg
	d	d ₃ 6g	B	C ₁	L ₁ min	d ₂	L ₇ min	h	L ₂	dk	R _{1s}	α ≈	dyn. 动 C _d	stat. 静 C _s	
SA 6 E *	6	M6×1.0	6	4.4	18	21	12	36	46.5	10	0.3	13	3.4	8.15	0.017
SA 8 E*	8	M8×1.25	8	6	22	24	14	42	54	13	0.3	15	5.5	12.9	0.029
SA 10 E*	10	M10×1.5	9	7	26	29	15	48	62.5	16	0.3	12	8.15	17.6	0.051
SA 12 E*	12	M12×1.75	10	8	28	34	18	54	71	18	0.3	11	10.8	24.5	0.086
SA 15 ES	15	M14×2.0	12	10	34	40	20	63	83	22	0.3	8	17	36	0.14
SA 17 ES	17	M16×2.0	14	11	36	46	23	69	92	25	0.3	10	21.2	45	0.19
SA 20 ES	20	M20×1.5	16	13	43	53	27	78	104.5	29	0.6	9	30	60	0.31
SA 25ES	25	M24×2.0	20	17	53	64	32	94	126	35.5	0.6	7	48	83	0.56
SA 30 ES	30	M30×2.0	22	19	65	73	37	110	146.5	40.7	0.6	6	62	110	0.89
SA 35 ES	35	M36×3.0	25	21	82	82	42	140	181	47	0.6	6	80	146	1.4
SA 40 ES	40	M39×3.0	28	23	86	92	48	150	196	53	0.6	7	100	180	1.8
SA 40-1 ES	40	M42×3.0	28	23	86	92	48	150	196	53	0.6	7	100	180	1.85
SA 45 ES	45	M42×3.0	32	27	94	102	52	163	214	60	0.6	7	127	240	2.6
SA 45-1 ES	45	M45×3.0	32	27	94	102	52	163	214	60	0.6	7	127	240	2.66
SA 50 ES	50	M45×3.0	35	30	107	112	60	185	241	66	0.6	6	156	290	3.4
SA 50-1 ES	50	M52×3.0	35	30	107	112	60	185	241	66	0.6	6	156	290	3.5
SA 60 ES	60	M52×3.0	44	38	115	135	75	210	277.5	80	1.0	6	245	450	5.9
SA 60-1 ES	60	M60×4.0	44	38	115	135	75	210	277.5	80	1.0	6	245	450	6.02
SA 70 ES	70	M56×4.0	49	42	125	160	87	235	315	92	1.0	6	315	610	8.2
SA 70-1 ES	70	M72×4.0	49	42	125	160	87	235	315	92	1.0	6	315	610	8.38
SA 80 ES	80	M64×4.0	55	47	140	180	100	270	360	105	1.0	6	400	750	12
SA 80-1 ES	80	M80×4.0	55	47	140	180	100	270	360	105	1.0	6	400	750	12.2

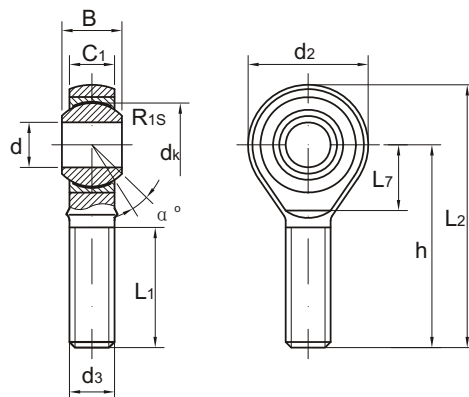
- For left-hand thread ,please add suffix"L", e.g. SAL 30 ES.
- For bearings $d \geq 15$, SA..ES 2RS also available, e.g. SA 25 ES 2RS.
- Lubricating hole or grease nipple isn't available for the sizes marked***.
- 若是左旋螺纹，轴承型号需加“L”，例如：SAL 30 ES。
- 轴承孔径 $d \geq 15$ ，也可制造2RS结构，例如：SA 25 ES 2RS。
- 带“*”的型号均不配油孔或油杯。

Rod ends SA..T/K

杆端关节轴承

□ Maintenance-free 无润滑

- Rod body with right or left-hand male thread.
- It is made up of a maintenance-free radial spherical plain bearing G..PW and rod body.
- Surface of rod body zinc plated.
- 杆端体带有左旋或右旋的外螺纹。
- 由杆端体和自润滑向心关节轴承G..PW组成。
- 杆端体表面镀锌。



Part No. 型号	Dimensions 尺寸mm												Load ratings 负荷KN		Weight 重量Kg
	d	d ₃ G _g	B	C ₁	L ₁ min	d ₂	L ₇	h	L ₂	dk	R _{1s}	α ≈	dyn. 动 C _d	stat. 静 C _s	
SA 5 T/K	5	M5×0.8	8	6	19	18		33	42	11.11	0.3	13	5.7	6.0	0.013
SA 6 T/K	6	M6×1.0	9	6.75	21	20		36	46	12.70	0.3	13	7.2	7.65	0.020
SA 8 T/K	8	M8×1.25	12	9	25	24		42	54	15.875	0.3	14	11.6	12.9	0.038
SA 10 T/K	10	M10×1.5	14	10.5	28	28		48	62	19.05	0.3	13	14.5	18	0.055
SA 12 T/K	12	M12×1.75	16	12	32	32		54	70	22.225	0.3	13	17	24	0.085
SA 12-1 T/K	12	M12×1.25	16	12	32	32		54	70	22.225	0.3	13	17	24	0.085
SA 14 T/K	14	M14×2.0	19	13.5	36	36	18	60	78	25.40	0.3	16	24	31	0.14
SA 16 T/K	16	M16×2.0	21	15	37	42	21	66	87	28.575	0.3	15	28.5	39	0.21
SA 16-1 T/K	16	M16×1.5	21	15	37	42	21	66	87	28.575	0.3	15	28.5	39	0.21
SA 18 T/K	18	M18×1.5	23	16.5	41	44	22	72	94	31.75	0.3	15	42.5	47.5	0.28
SA 20 T/K	20	M20×1.5	25	18	45	50	25	78	103	34.925	0.3	14	42.5	57	0.38
SA 22 T/K	22	M22×1.5	28	20	48	54	27	84	111	38.10	0.3	15	57	68	0.48
SA 25 T/K	25	M24×2.0	31	22	55	60	30	94	124	42.86	0.3	15	68	85	0.64
SA 28 T/K	28	M27×2.0	35	24	62	66	33	103	136	47.63	0.3	15	86	107	0.80
SA 30 T/K	30	M30×2.0	37	25	66	70	35	110	145	50.8	0.3	17	88	114	1.10
SA 35 T/K	35	M36×2.0	43	28	85	81	40	140	180.5	57.15	0.3	16	.	.	1.64
SA 40 T/K	40	M42×2.0	49	33	90	91	45	150	195.5	66.67	0.3	17	.	.	2.30
SA 50 T/K	50	M48×2.0	60	45	105	117	58	185	243.5	82.5	0.3	12	.	.	4.80

-For left-hand thread, please add suffix "L", e.g. SAL18T/K.

-若是左旋螺纹，轴承型号需加“L”，例如：SAL 18T/K。

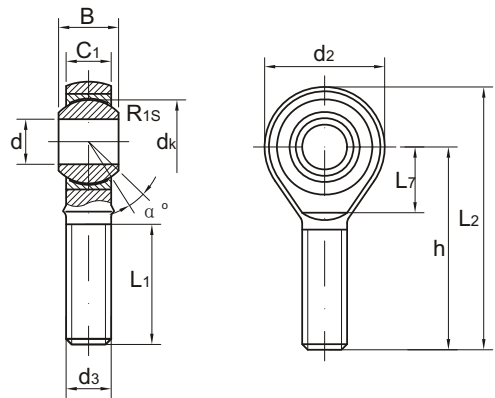
Rod ends SSA..T/K

杆端关节轴承

❑Maintenance-free, stainless 无润滑， 不锈钢

-Design features as series SA..T/K, but in stainless steel.

-结构特点与SA..T/K相同， 但材料为不锈钢。



Part No. 型号	Dimensions 尺寸mm												Load ratings 负荷KN		Weight 重量Kg
	d	d3 dg	B	C1	L1 min	d2	h	L7	L2	dk	R1s	α ≈	dyn. 动 Cd	stat. 静 Cs	
SSA 5 T/K	5	M5×0.8	8	6	19	18	33		42	11.11	0.3	13	5.70	6.00	0.013
SSA 6 T/K	6	M6×1.0	9	6.75	21	20	36		46	12.70	0.3	13	7.20	7.65	0.020
SSA 8T/K	8	M8×1.25	12	9	25	24	42		54	15.875	0.3	14	11.6	12.9	0.038
SSA 10T/K	10	M10×1.5	14	10.5	28	28	48		62	19.05	0.3	13	14.5	18	0.055
SSA 12 T/K	12	M12×1.75	16	12	32	32	54		70	22.225	0.3	13	17.0	24	0.085
SSA 12-1T/K	12	M12×1.25	16	12	32	32	54		70	22.225	0.3	13	17.0	24	0.085
SSA 14 T/K	14	M14×2.0	19	13.5	36	36	60	18	78	25.40	0.3	16	24.0	31	0.14
SSA 16T/K	16	M16×2.0	21	15	37	42	66	21	87	28.575	0.3	15	28.5	39	0.21
SSA 16-1 T/K	16	M16×1.5	21	15	37	42	66	21	87	28.575	0.3	15	28.5	39	0.21
SSA 18T/K	18	M18×1.5	23	16.5	41	44	72	22	94	31.75	0.3	15	42.5	47.5	0.28
SSA 20T/K	20	M20×1.5	25	18	45	50	78	25	103	34.925	0.3	14	42.5	57	0.38
SSA 22 T/K	22	M22×1.5	28	20	48	54	84	27	111	38.10	0.3	15	57	68	0.48
SSA 25 T/K	25	M24×2.0	31	22	55	60	94	30	124	42.86	0.3	15	68	85	0.64
SSA 28 T/K	28	M27×2.0	35	24	62	66	103	33	136	47.63	0.3	15	86	107	0.80
SSA 30 T/K	30	M30×2.0	37	25	66	70	110	35	145	50.80	0.3	17	88	114	1.10

-For left-hand thread, please add suffix"L", e.g. SSAL 18 T/K.

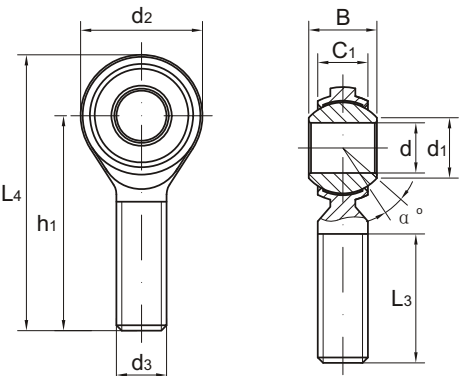
-若是左旋螺纹，轴承型号需加“L”，例如：SSAL 18 T/K。

Rod ends SA..PK

杆端关节轴承

☐ Maintenance-free 无润滑

- Rod body with right or left-hand male thread.
- Rod body pressed around inner ring.
- Outer race lined with CSB-FR PTFE composite material.
- Surface of rod body zinc plated.
- 杆端体带有左旋或右旋的外螺纹。
- 由杆端体挤压成型。
- 外圈球面衬有PTFE复合材料。
- 杆端体表面镀锌。



Part No. 型号	Dimensions 尺寸mm									Load ratings 负荷KN		Weight 重量Kg
	d	d3 6g	B	C1	d2	h1	L4	L3 min	α $\approx$	dyn. 动 Cd	stat. 静 Cs	
SA 5 PK	5	M5×0.8	8	6	19	33	42.5	20	12	5.70	6	0.014
SA 6 PK	6	M6×1.0	9	6.7	21	36	46.5	22	11	7.20	7.65	0.020
SA 8 PK	8	M8×1.25	12	9	25	42	54.5	25	12	11.6	12.9	0.038
SA 10 PK	10	M10×1.5	14	11	29	48	62.5	29	12	14.5	18	0.055
SA 12 PK	12	M12×1.75	16	12	33	54	70.5	33	13	17	24	0.085
SA 14 PK	14	M14×2.0	19	14	37	60	78.5	36	14	24	31	0.14
SA 16 PK	16	M16×2.0	21	15	43	66	87.5	40	14	28.5	39	0.21
SA 18 PK	18	M18×1.5	23	17	47	72	95.5	44	14	42.5	47.5	0.28
SA 20 PK	20	M20×1.5	25	18	51	78	103.5	47	14	42.5	57	0.38
SA 22 PK	22	M22×1.5	28	20	55	84	111.5	50	15	57	68	0.48
SA 25 PK	25	M24×2.0	31	22	61	94	124.5	57	15	68	85	0.64

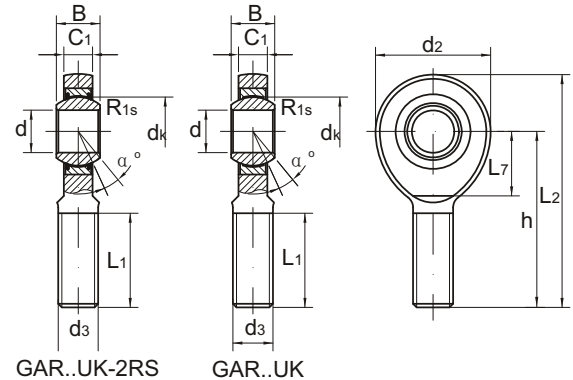
- For left-hand thread, please add suffix"L", e.g. SAL 18 PK.
- 若是左旋螺纹，轴承型号需“L”，例如：SAL 18 PK。

Rod ends GAR..UK, GAR..UK 2RS

杆端关节轴承

□ Maintenance-free 无润滑

- Rod body with right or left-hand male thread.
- It is made up of a maintenance-free radial spherical plain bearing GE.. UK or GE.. UK 2RS and rod body.
- Surface of rod body zinc plated.
- 杆端体带有左旋或右旋的外螺纹。
- 由杆端体和自润滑向心关节轴承GE..UK或GE..UK 2RS组成。
- 杆端体表面镀锌。



Part No. 型号	Dimensions 尺寸mm												Load ratings 负荷KN		Weight 重量Kg
	d	d ₃ 6 _g	B	C ₁	d ₂	L ₂	h	L ₇	L ₁ min	d _k	R _{1s}	α ≈	dyn. 动 C _d	stat. 静 C _s	
GAR 6 UK	6	M6×1.0	6	4.4	21	46.5	36	12	18	10	0.3	13	3.60	8.15	0.017
GAR 8 UK	8	M8×1.25	8	6	24	54	42	14	22	13	0.3	15	5.85	12.9	0.029
GAR 10 UK	10	M10×1.5	9	7	29	62.5	48	15	26	16	0.3	12	8.65	17.6	0.051
GAR 12 UK	12	M12×1.75	10	8	34	71	54	18	28	18	0.3	11	11.4	24.5	0.086
GAR 15 UK	15	M14×2.0	12	10	40	83	63	20	34	22	0.3	8	17.6	36	0.14
GAR 17 UK(2RS)	17	M16×2.0	14	11	46	92	69	23	36	25	0.3	10	22.4	45	0.19
GAR 20 UK(2RS)	20	M20×1.5	16	13	53	104.5	78	27	43	29	0.6	9	31.5	60	0.31
GAR 25 UK(2RS)	25	M24×2.0	20	17	64	126	94	32	53	35.5	0.6	7	51.0	83	0.56
GAR 30 UK(2RS)	30	M30×2.0	22	19	73	146.5	110	37	65	40.7	0.6	6	66.5	110	0.89
GAR 35 UK 2RS	35	M36×3.0	25	21	82	181	140	42	82	47	0.6	6	112	146	1.4
GAR 40 UK 2RS	40	M39×3.0	28	23	92	196	150	48	86	53	0.6	7	140	180	1.8
GAR 40-1 UK 2RS	40	M42×3.0	28	23	92	196	150	48	86	53	0.6	7	140	180	1.85
GAR 45 UK 2RS	45	M42×3.0	32	27	102	214	163	52	94	60	0.6	7	180	240	2.6
GAR 45-1 UK 2RS	45	M45×3.0	32	27	102	214	163	52	94	60	0.6	7	180	240	2.66
GAR 50 UK 2RS	50	M45×3.0	35	30	112	241	185	60	107	66	0.6	6	220	290	3.4
GAR 50-1 UK 2RS	50	M52×3.0	35	30	112	241	185	60	107	66	0.6	6	220	290	3.5
GAR 60 UK 2RS	60	M52×3.0	44	38	135	277.5	210	75	115	80	1.0	6	345	450	5.9
GAR 60-1 UK 2RS	60	M60×4.0	44	38	135	277.5	210	75	115	80	1.0	6	345	450	6.02
GAR 70 UK RS	70	M56×4.0	49	42	160	315	235	87	125	92	1.0	6	440	610	8.2
GAR 70-1 UK 2RS	70	M72×4.0	49	42	160	315	235	87	125	92	1.0	6	440	610	8.38
GAR 80 UK 2RS	80	M64×4.0	55	47	180	360	270	100	140	105	1.0	6	570	750	12
GAR 80-1 UK 2RS	80	M80×4.0	55	47	180	360	270	100	140	105	1.0	6	570	750	12.2

-For left-hand thread, please add suffix "L", e.g. GAL 10 UK.

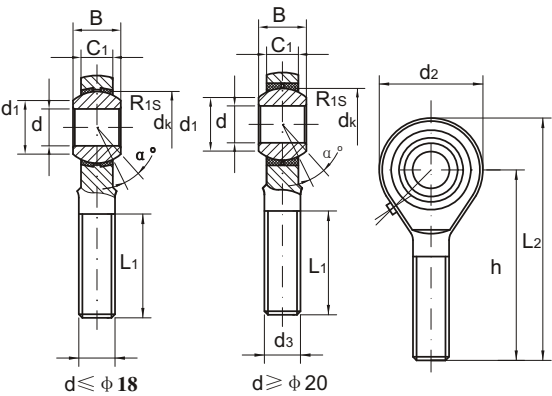
-若是左旋螺纹，轴承型号需加“L”，例如：GAL 10 UK。

Rod ends POS..

杆端关节轴承

☐ Maintenance required 需润滑

- Rod body with right or left-hand male thread.
- Outer race lined with bronze liner.
- Surface of rod body zinc plated, rod body with a lubricating hole or grease nipple.
- 杆端体带有左旋或右旋的外螺纹。
- 外圈球面镶有青铜衬垫。
- 杆端体表面镀锌，有润滑油孔或油杯。



Part No. 型号	Dimensions 尺寸mm												Load ratings 负荷KN		Weight 重量Kg
	d	d3 6g	B	C1	L1 min	d2	h	L2	dk	R1S	d1	α ≈	dyn. 动 Cd	stat. 静 Cs	
POS 5	5	M5×0.8	8	6	20	16	33	41	11.11	0.3	7.70	13	3.25	5.70	0.013
POS 6	6	M6×1.0	9	6.75	22	18	36	45	12.70	0.3	8.96	13	4.30	7.20	0.020
POS 8	8	M8×1.25	12	9	25	22	42	53	15.875	0.3	10.4	14	7.20	11.6	0.030
POS 10	10	M10×1.5	14	10.5	29	26	48	61	19.05	0.3	12.9	13	10	14.5	0.055
POS 12	12	M12×1.75	16	12	33	30	54	69	22.225	0.3	15.4	13	13.4	17	0.085
POS 12-1	12	M12×1.25	16	12	33	30	54	69	22.225	0.3	15.4	13	13.4	17	0.085
POS 14	14	M14×2.0	19	13.5	36	34	60	77	25.40	0.3	16.9	16	17	24	0.14
POS 16	16	M16×2.0	21	15	40	40	66	86	28.575	0.3	19.4	15	21.6	28.5	0.21
POS 16-1	16	M16×1.5	21	15	40	40	66	86	28.575	0.3	19.4	15	21.6	28.5	0.21
POS 18	18	M18×1.5	23	16.5	44	44	72	94	31.75	0.3	21.9	15	26	42.5	0.28
POS 20	20	M20×1.5	25	18	47	50	78	103	34.925	0.3	24.4	14	31.5	52.5	0.38
POS 22	22	M22×1.5	28	20	51	54	84	111	38.10	0.3	25.8	15	38	57	0.48
POS 25	25	M24×2.0	31	22	57	60	94	124	42.86	0.3	29.6	15	47.5	68	0.64
POS 28	28	M27×2.0	35	24	62	66	103	136	47.63	0.3	32.3	15	58	75.5	0.96
POS 30	30	M30×2.0	37	25	66	70	110	145	50.8	0.3	34.8	17	64	88	1.10

- For left-hand thread, please add suffix "L", e.g. POSL 8.
- 若是左旋螺纹，轴承型号需加“L”，例如：POSL 8。

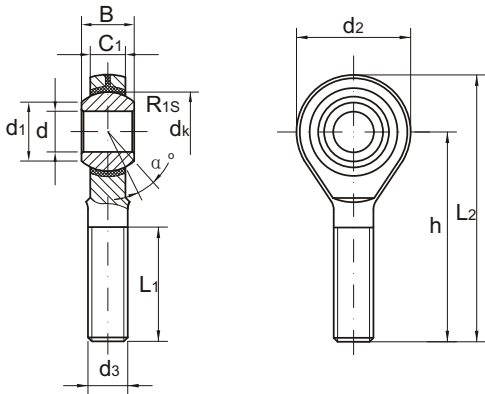
Rod ends SA..ZK

杆端关节轴承

☐ Maintenance-free 无润滑

- Rod body with right or left-hand male thread.
- With moulded Nylon/Teflon/Fiberglass compound insert .
- Surface of rod body zinc plated.

- 杆端体带有左旋或右旋的外螺纹。
- 外圈用注塑工艺成型。
- 杆端体表面镀锌。



Part No. 型号	Dimensions 尺寸mm												Load ratings 负荷KN		Weight 重量Kg
	d	d3 dg	B	C1	L1 min	d2	h	L2	dk	R1s	d1	α ≈	dyn. 动 Cd	stat. 静 Cs	
SA 5 ZK	5	M5×0.8	8	6	20	16	33	41	11.11	0.3	7.70	13	3.25	5.70	0.013
SA 6 ZK	6	M6×1.0	9	6.75	22	18	36	45	12.70	0.3	8.96	13	4.30	7.20	0.020
SA 8 ZK	8	M8×1.25	12	9	25	22	42	53	15.875	0.3	10.4	14	7.20	11.6	0.030
SA 10 ZK	10	M10×1.5	14	10.5	29	26	48	61	19.05	0.3	12.9	13	10	14.5	0.055
SA 12 ZK	12	M12×1.75	16	12	33	30	54	69	22.225	0.3	15.4	13	13.4	17	0.085
SA 12-1 ZK	12	M12×1.25	16	12	33	30	54	69	22.225	0.3	15.4	13	13.4	17	0.085
SA 14 ZK	14	M14×2.0	19	13.5	36	34	60	77	25.40	0.3	16.9	16	17	24	0.14
SA 16 ZK	16	M16×2.0	21	15	40	40	66	86	28.575	0.3	19.4	15	21.6	28.5	0.21
SA 16-1 ZK	16	M16×1.5	21	15	40	40	66	86	28.575	0.3	19.4	15	21.6	28.5	0.21
SA 18 ZK	18	M18×1.5	23	16.5	44	44	72	94	31.75	0.3	21.9	15	26	42.5	0.28
SA 20 ZK	20	M20×1.5	25	18	47	50	78	103	34.925	0.3	24.4	14	31.5	52.5	0.38
SA 22 ZK	22	M22×1.5	28	20	51	54	84	111	38.10	0.3	25.8	15	38	57	0.48
SA 25 ZK	25	M24×2.0	31	22	57	60	94	124	42.86	0.3	29.6	15	47.5	68	0.64
SA 28 ZK	28	M27×2.0	35	24	62	66	103	136	47.63	0.3	32.3	15	58	75.5	0.96
SA 30 ZK	30	M30×2.0	37	25	66	70	110	145	50.8	0.3	34.8	17	64	88	1.10

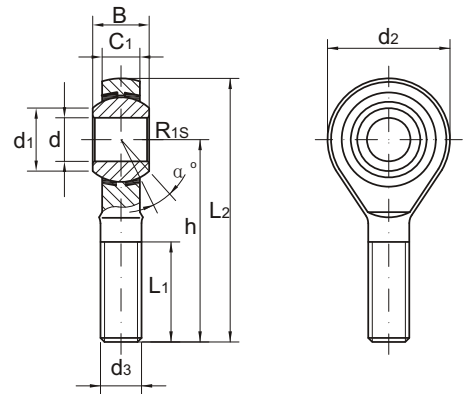
- For left-hand thread, please add suffix "L", e.g. SAL 8 ZK.
- 若是左旋螺纹，轴承型号需加 “L”，例如：SAL 8 ZK。

Rod ends SAZP..S

杆端关节轴承

□ Maintenance required, inch dimensions
需润滑，英制尺寸

- Rod body with right or left-hand male thread.
- Outer race lined with bronze liner.
- Surface of rod body zinc plated.
- In inch dimension series.
- 杆端体带有左旋或右旋的外螺纹。
- 外圈球面镶有青铜衬垫。
- 杆端体表面镀锌。
- 英制系列。



Part No. 型号	Dimensions 尺寸mm											Load ratings 负荷KN		Weight 重量Kg
	d	d3 3A	B	C1	d1	R1s	d2	h	L1 min	L2	α ≈	dyn. 动 Cd	stat. 静 Cs	
SAZP 4 S	4.826	10-32	7.925	6.35	7.79	0.3	15.88	31.75	19.05	39.7	10	3.4	3.8	0.013
SAZP 6 S	6.350	1/4-28	9.525	7.14	8.40	0.3	19.05	39.67	25.40	49.2	13	4.5	6.6	0.022
SAZP 7 S	7.938	5/16-24	11.1	8.74	11.35	0.3	22.23	47.63	31.75	58.72	10	6.9	8.4	0.037
SAZP 9 S	9.525	3/8-24	12.70	10.31	14.20	0.6	25.40	49.23	31.75	61.93	9	9.4	10	0.055
SAZP 11 S	11.113	7/16-20	14.275	11.10	12.62	0.6	28.58	53.98	34.95	68.28	11	11	13	0.078
SAZP 12 S	12.70	1/2-20	15.875	12.70	15.55	0.6	33.32	61.93	38.10	78.59	9	15	19	0.12
SAZP 15 S	15.875	5/8-18	19.05	14.27	21.30	0.6	38.10	66.68	41.28	85.73	11	20	21	0.18
SAZP 19 S	19.05	3/4-16	22.225	17.45	22.67	0.6	44.45	73.03	44.45	95.25	10	29	29	0.29
SAZP 25 S	25.40	5/4-12	34.93	25.40	36.89	0.6	69.85	104.78	53.98	139.7	14	60	101	1.10

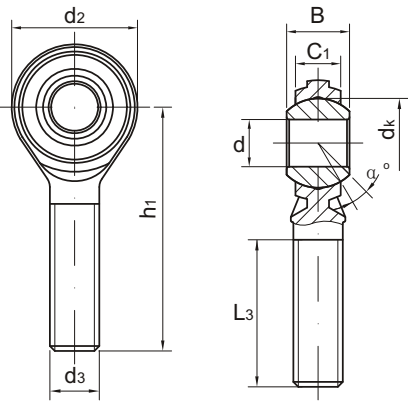
- For left-hand thread, please add suffix "L", e.g. SALZP 15 S.
- 若是左旋螺纹，轴承型号需加“L”，例如：SALZP 15 S。

Rod ends CM.., CM..S

杆端关节轴承

□ Maintenance required, inch dimensions
需润滑，英制尺寸

- Rod body with right or left-hand male thread.
- Rod body pressed around inner ring.
- Surface of rod body zinc plated.
- In inch dimension series.
- 杆端体带有左旋或右旋的外螺纹。
- 杆端体挤压成型。
- 杆端体表面镀锌。
- 英制系列。



Part No. 型号	Dimensions 尺寸mm									Load ratings 负荷KN	Weight 重量Kg
	d	B	C1	h1	d2	dk	L3 min	d3 3A	α $\approx$		
CM 3*	4.826	7.92	5.94	31.75	15.88	11.1	19.05	10-32	10	5.355	0.014
CM 4*	6.350	9.53	6.35	39.67	19.05	12.7	25.40	1/4-28	13.5	9.839	0.018
CM 5*	7.938	11.1	7.92	47.63	22.23	15.88	31.75	5/16-24	11	15.910	0.032
CM 6	9.525	12.7	9.12	49.23	25.40	18.26	31.75	3/8-24	11	22.542	0.050
CM 7	11.113	14.27	10.31	53.98	28.58	20.62	34.93	7/16-20	10.5	28.223	0.068
CM 8	12.70	15.88	11.50	61.93	33.32	23.80	38.10	1/2-20	10	37.087	0.109
CM 10	15.875	19.05	12.29	66.68	38.10	28.58	41.28	5/8-18	13	43.203	0.163
CM 12	19.05	22.23	15.06	73.03	44.45	33.32	44.45	3/4-16	12	63.193	0.259

- For left-hand thread, please add suffix"L", e.g. CML 10.
- Lubricating hole or grease nipple isn't available for the sizes marked"".
- When grease nipple is required for oter sizes, please use the sign CM..S.
- Load ratings apply only to rod ends without grease nipple.

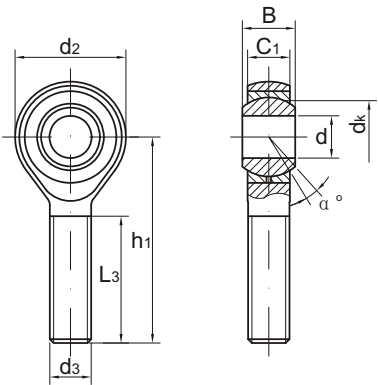
- 若是左旋螺纹，轴承型号需加"L"，例如：CML 10。
- 带有 “*” 的型号均不配油孔或油杯，其余若需配油杯，请用CM..S的代号。
- 表中负荷值仅使用不带油杯的情况。

Rod ends JM., JM..S

杆端关节轴承

□ Maintenance required, inch dimensions
需润滑，英制尺寸

- Rod body with right or left-hand male thread.
- Outer race lined with bronze liner.
- Surface of rod body zinc plated.
- In inch dimension series.
- 杆端体带有左旋或右旋的外螺纹。
- 外圈球面镶有青铜衬垫。
- 杆端体表面镀锌。
- 英制系列。



Part No. 型号	Dimensions 尺寸mm									Load ratings 负荷KN	Weight 重量Kg
	d	B	C1	h1	d2	dk	L3 min	d3 3A	α ≈		
JM 2*	3.175	6.35	4.75	23.80	12.70	7.92	14.27	6-32	8	2.236	0.006
JM 3*	4.826	7.92	6.35	31.75	15.88	11.1	19.05	10-32	6.5	5.197	0.013
JM 4*	6.350	9.53	7.14	39.67	19.05	12.7	25.40	1/4-28	8	9.60	0.020
JM 5*	7.938	11.1	8.74	47.63	22.23	15.88	31.75	5/16-24	7	12.385	0.033
JM 6	9.525	12.7	10.31	49.23	25.40	18.26	31.75	3/8-24	6	17.416	0.051
JM 7	11.113	14.27	11.10	53.98	28.58	20.62	34.93	7/16-20	7	18.759	0.073
JM 8	12.70	15.88	12.70	61.93	33.32	23.80	38.10	1/2-20	6	29.624	0.113
JM 10	15.875	19.05	14.27	66.68	38.10	28.58	41.28	5/8-18	8	32.752	0.173
JM 12	19.05	22.23	17.45	73.03	44.45	33.32	44.45	3/4-16	7	51.237	0.273
JM 14	22.225	22.23	19.43	85.73	50.80	33.32	50.80	7/8-14	3.5	82.185	0.411
JM 14-1	22.225	22.23	17.45	85.73	50.80	33.32	47.63	7/8-14	6	101.601	0.411
JM 16	25.4	34.93	25.4	104.78	69.85	47.63	53.98	1 1/4-12	8.5	193.67	1.091
JM 16-1	25.4	34.93	25.4	104.78	69.85	47.63	53.98	1-14	8.5	193.67	0.965
JM 16-2	25.4	34.93	25.4	104.78	69.85	47.63	53.98	1-12	8.5	193.67	0.965

- For left-hand thread, please add suffix"L", e.g. JML 10.
- Lubricating hole or grease nipple isn't available for the sizes marked"*"
- When grease nipple is required for other sizes, please use the sign JM..S.
- Load ratings apply only to rod ends without grease nipple.

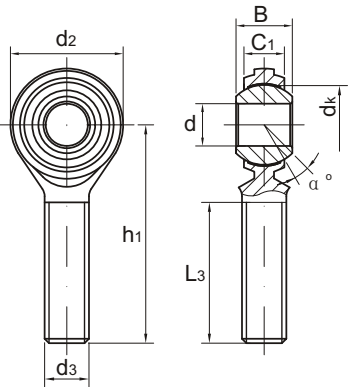
- 若是左旋螺纹，轴承型号需加“L”，例如：JML 10。
- 带“*”的型号均不配油孔或油杯，其余若需配油杯，请用JM..S的代号。
- 带中负荷值仅使用不带油杯的情况。

Rod ends CM..T

杆端关节轴承

☐ Maintenance-free, inch dimensions
 无润滑，英制尺寸

- Rod body with right or left-hand male thread.
- Rod body pressed around inner ring.
- Surface of rod body zinc plated.
- Outer race lined with PTFE fabric.
- 杆端体带有左旋或右旋的外螺纹。
- 杆端体挤压成型。
- 杆端体表面镀锌。
- 外圈内球面粘贴PTFE织物。



Part No. 型号	Dimensions 尺寸mm									Load ratings 负荷KN	Weight 重量Kg
	d	B	C ₁	h ₁	d ₂	d _k	L ₃ min	d ₃ 3A	α ≈		
CM 3 T	4.826	7.92	5.94	31.75	15.875	11.1	19.05	10-32	10	8.02	0.014
CM 4 T	6.35	9.53	6.35	39.67	19.05	12.7	25.4	1/4-28	13.5	16.082	0.018
CM 5 T	7.938	11.1	7.92	47.63	22.23	15.88	31.75	5/16-24	11	28.693	0.032
CM 6 T	9.525	12.7	9.12	49.23	25.40	18.26	31.75	3/8-24	11	38.371	0.050
CM 7 T	11.113	14.27	10.31	53.98	28.58	20.62	34.93	7/16-20	10.5	41.676	0.068
CM 8 T	12.70	15.88	11.50	61.93	33.32	23.80	38.10	1/2-20	10	67.299	0.109
CM 10 T	15.875	19.05	12.29	66.68	38.10	28.58	41.28	5/8-18	13	75.271	0.163
CM 12 T	19.05	22.23	15.06	73.03	44.45	33.32	44.45	3/4-16	12	113.642	0.259

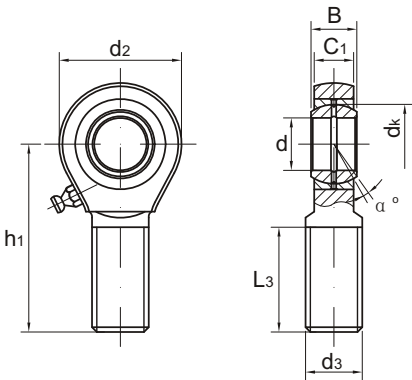
- For left-hand thread, please add suffix"L", e.g. CML 5 T.
- 若是左旋螺纹，轴承型号需加 “L” ，例如：CML 5 T。

Rod ends KM..

杆端关节轴承

□ Maintenance required, inch dimensions, heavy duty
需润滑，英制尺寸，重负载

- Rod body with right or left-hand male thread.
- It is made up of a radial spherical plain bearing
GEZ..ES or GEZ..ES 2RS and rod body.
- Surface of rod body zinc plated, rod boy with a grease nipple.
- In inch dimensions series.
- 杆端体带有左旋或右旋的外螺纹。
- 由杆端体和向心关节轴承GEZ..ES或GEZ..ES 2RS组成。
- 杆端体表面镀锌，带有油杯。
- 英制系列。



Part No. 型号	Dimensions 尺寸mm									Load ratings 负荷KN	Weight 重量Kg
	d	B	c ₁	h ₁	d ₂	D _k	L ₃ min	d ₃ 3A	α ≈		
KM 20-1	31.75	27.762	23.80	104.8	69.85	45.59	53.98	1 1/4-12	3.5	197.91	1.09
KM 24-1	38.10	33.325	28.575	136.5	88.90	54.74	76.20	1 1/2-12	3.2	288.06	2.15
KM 32-1	50.80	44.450	38.10	203.2	127	73.03	114.3	2-12	3.0	682.82	6.46

- For left-hand thread, please add suffix"L", e.g. KML 24-1.
- 若是左旋螺纹，轴承型号需加“L”，例如：KML 24-1。