



Ningbo Yinzhou Gonuo Hardware Co., LTD
Professional Manufacturer of Rod End Bearings



SITE: www.gnfasteners.com

E-mail: lucy@gonuo-hardware.com

TEL: +86-0574-87732906 +86 18868534347

ADD: 9-4 No.426,Xueshi Road,Yinzhou,Ningbo,China,315100



WeChat Work



Official Website



固诺杆端
关节轴承

产品目录 **Rod End**

PRODUCT CATALOG

Ningbo Yinzhou Gonuo Hardware

Professional Manufacturer of Rod End Bearings



 Ball Joint

 Rod End

 Hydraulic Cylinder Accessories



ABOUT GONUO

Gonuo Hardware: Your Professional Partner for Ball Joints, End Rods & Clevises Transmission Components

With over 20 years of dedicated experience, Gonuo Hardware is a trusted brand in high-performance transmission components, specializing in the precision manufacturing of ball joints, end rods, and clevises for the global industrial and construction machinery sectors. Rooted in Ningbo, China, we're an integrated industry-trade enterprise, recognized globally for consistent quality and sophisticated manufacturing.

Core Business & Product Portfolio

We specialize in the design, customization, production and sales of various bearings, covering two core series to meet diverse industrial needs:

Standard Bearings: Full-spec general-purpose bearings for conventional industrial scenarios, complying with mainstream international standards.

Custom Non-standard Bearings: Tailor-made bearings per customers' drawings, performance requirements and application scenarios, with one-stop customization solutions for custom requirements.

Global Market Layout

Leveraging Ningbo's industrial advantages, our products are exported to North America, South America, Russia and other key regions. We have built a mature overseas sales and service network, are deeply integrated into the global industrial supply chain, and guarantee stable, on-time delivery for core customers worldwide.

Core Competitive Advantages

Our integrated industry-trade model underpins our reliable quality and competitive edge, with three core strengths:

1.Full-process Quality Control: A strict quality management system runs through raw material procurement, production processing and finished product inspection, ensuring all products meet industry and customer standards.

2.Professional Customization Capacity: Our technical team optimizes product designs and manufacturing processes, guaranteeing high accuracy and manufacturability of custom non-standard bearings.

3.Efficient Supply Chain & Service: We maintain full control over the entire production chain, streamlining links to boost delivery efficiency. Beyond supply, we provide one-stop support from pre-sales demand communication to post-sales follow-up, acting as customers' long-term reliable partners.

Product Application Fields

Our high-adaptability bearings are widely applied in various industrial automation equipment, including intelligent manufacturing, engineering machinery, logistics conveying, precision machinery and light industrial equipment, providing stable core component support for efficient equipment operation.

 **70+**
Employees

 **120+**
Production Equipment Units

 **4500m²**
Production Workshop

 **70+**
Countries and Sales Regions



 **GONUO** 20+Years of Rod End Bearings Experience
70+ Countries and Regions Served Globally

Our Factory and Team

Made In China, Creating World-Class Quality

20+ Years of Rod End Bearings Experience

70+ Countries and Regions Served Globally



CNC Workshop

100 CNC Lathes and Milling Machines

CNC Workshop

4 Vertical Machining Centers
2 Horizontal Machining Centers

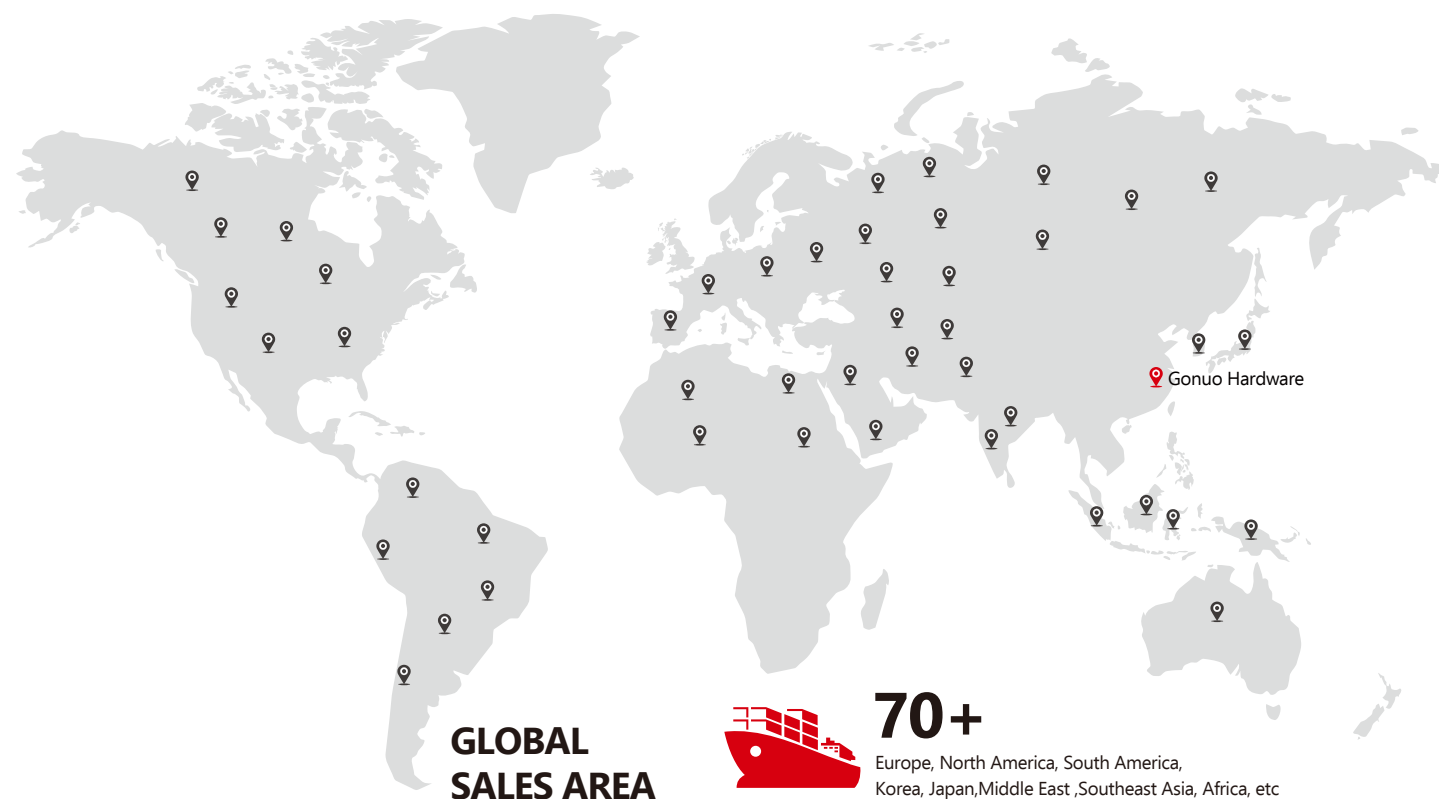


Our Office

50 workers and 5 Engineers

Design Team

4 Person Customized Design Team



ABOUT GONUO'S HISTORY

2000
Inception and Initial Growth

It Relocated To A 1,500 m² Factory With 25 Employees. Automated Production Lines Were Introduced, And Export Markets Expanded To North America, South America, Russia, And Other Countries And Regions.

The Company Was Established In Ningbo, Zhejiang, Focusing On Bearing Production. It Rented A 500 m² Workshop With 10 Employees, Specializing In The Design, Manufacturing, And Sales Of Various Bearings, Mainly Producing Ball Joints, End Rods, And Clevises.

2016
Quality Enhancement And Compliance

The Workforce Reached 52 Employees. An R&D Department Was Established To Develop High-Strength, Anti-Wear, And Anti-Corrosion Ball Joints, End Rods, And Clevises.

2013
Capacity Expansion & Global Reach

The Workforce Grew To 45 Employees. Advanced Grinding Equipment Was Added To Enhance The Precision Of Our Ball Joints, End Rods, And Clevises, And We Also Obtained ISO 9001:2015 To Ensure Our Quality Management And Product Compliance.

2025- Present
Digital Transformation And Global Competitiveness

2020
R&D Innovation And Market Expansion

The Workforce Reached 76 Employees. A Digital Workshop Was Established For Customized Stainless Steel Ball Joints, End Rods, And Clevises Solutions. A Global Supply Chain Management System Was Implemented To Ensure Efficient Delivery And Stable Quality Of Our Key Connecting Components.

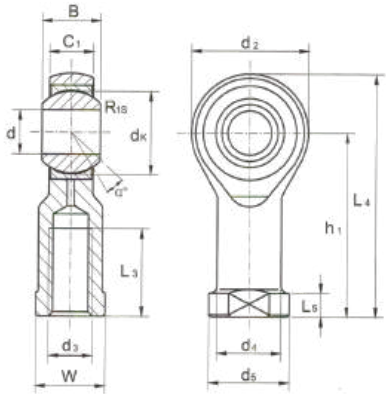
杆端关节轴承
Rod ends SI...T/K

Maintenance-free

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.



滑动摩擦副: Sliding Contact Pair:	钢/PTFE复合材料 Steel/PTFE Composite
杆端体材料: Rod End Body Material:	中碳钢, 环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
外圈材料: Outer Ring Material:	黄铜 Brass
钢球: Ball:	轴承钢, 热处理 硬度HRC58-62, 镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions														额定载荷 kN Load Ratings		重量 g Weight
	d	d3	B	C1	W	h1	d2	L4	L5	d4	d5	dk	L3 min	α° ≈	动载荷 Dynamic	静载荷 Static	
SI5T/K	5	M5×0.8	8	6	9	27	18	36	4	8.5	11	11.11	10	13	5.70	6.00	17.5
SI6T/K	6	M6×1.0	9	6.75	11	30	20	40	5	10	13	12.70	12	13	7.20	7.65	25
SI8T/K	8	M8×1.25	12	9	14	36	24	48	5	12.5	16	15.875	16	14	11.6	12.9	49
SI10T/K	10	M10×1.5	14	10.5	17	43	28	57	6.5	15	19	19.05	20	13	14.5	18.0	74.6
SI10-1T/K	10	M10×1.25	14	10.5	17	43	28	57	6.5	15	19	19.05	20	13	14.5	18.0	74.6
SI12T/K	12	M12×1.75	16	12	19	50	32	66	6.5	17.5	22	22.225	22	13	17.0	24.0	107
SI12-1T/K	12	M12×1.25	16	12	19	50	32	66	6.5	17.5	22	22.225	22	13	17.0	24.0	107
SI14T/K	14	M14×2.0	19	13.5	22	57	38	75	8	20	25	25.40	25	16	24.0	31.0	163
SI14-1T/K	14	M14×1.5	19	13.5	22	57	38	75	8	20	25	25.40	25	16	24.0	31.0	163
SI16T/K	16	M16×2.0	21	15	24	64	40	84	8	22	27	28.575	28	15	28.5	39.0	216
SI16-1T/K	16	M16×1.5	21	15	24	64	40	84	8	22	27	28.575	28	15	28.5	39.0	216
SI18T/K	18	M18×1.5	23	16.5	27	71	46	93	10	25	31	31.75	32	15	42.5	47.5	303
SI20T/K	20	M20×1.5	25	18	30	77	50	102	10	27.5	34	34.925	33	14	42.5	57.0	386
SI22T/K	22	M22×1.5	28	20	32	84	54	111	12	30	38	38.10	37	15	57.0	68.0	500
SI25T/K	25	M24×2.0	31	22	36	94	60	124	12	33.5	42	42.85	42	15	68.0	85.0	645
SI28T/K	28	M27×2.0	35	24	41	103	66	136	14	37	46	47.60	51	15	86.0	107.0	714
SI30T/K	30	M30×2.0	37	25	41	110	70	145	15	40	50	50.80	51	17	88.0	114.0	1105
SI30-1T/K	30	M27×2.0	37	25	41	110	70	145	15	40	50	50.80	51	17	88.0	114.0	1105
SI35T/K	35	M36×2.0	43	28	50	125	81	165.5	17	46	58	57.10	56	16	101	206	1600
SI40T/K	40	M42×2.0	49	33	55	142	91	187.5	19	53	65	66.60	60	17	124	280	2400
SI50T/K	50	M48×2.0	60	45	60	160	117	218.5	23	65	75	82.50	65	12	308	485	5000

备注(Tips):

- 1.若是左旋螺纹，轴承型号需加“L”，例如：SIL 18 T/K
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., SIL 18 T/K.
- 2.如需不锈钢材料，请在型号前加“S”，例如：SSI8 T/K
For bearings made of stainless steel, add the prefix “S” to the model designation, e.g., SSI8 T/K.

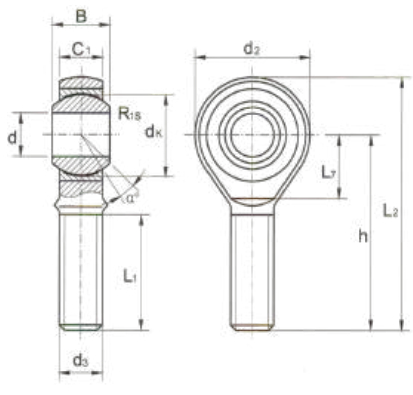
杆端关节轴承
Rod ends SA...T/K

Maintenance-free

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.



滑动摩擦副: Sliding Contact Pair:	钢/PTFE复合材料 Steel/PTFE Composite
杆端体材料: Rod End Body Material:	中碳钢, 环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
外圈材料: Outer Ring Material:	黄铜 Brass
钢球: Ball:	轴承钢, 热处理 硬度HRC58-62, 镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions												额定载荷 kN Load Ratings		重量 g Weight
	d	d ₃	B	C ₁	L ₁	d ₂	L ₇	h	L ₂	d _k	R _{1s}	α° ≈	动载荷 Dynamic	静载荷 Static	
SA5T/K	5	M5×0.8	8	6	19	18	/	33	42	11.11	0.3	13	5.70	6.00	14.5
SA6T/K	6	M6×1.0	9	6.75	21	20	/	36	46	12.70	0.3	13	7.20	7.65	19.5
SA8T/K	8	M8×1.25	12	9	25	24	/	42	54	15.875	0.3	14	11.6	12.9	36.5
SA10T/K	10	M10×1.5	14	10.5	28	28	/	48	62	19.05	0.3	13	14.5	18.0	60
SA12T/K	12	M12×1.75	16	12	32	32	/	54	70	22.225	0.3	13	17.0	24.0	95
SA14T/K	14	M14×2.0	19	13.5	36	38	18	60	78	25.40	0.3	16	24.0	31.0	146
SA16T/K	16	M16×2.0	21	15	37	40	21	66	87	28.575	0.3	15	28.5	39.0	188
SA18T/K	18	M18×1.5	23	16.5	41	46	22	72	94	31.75	0.3	15	42.5	47.5	277
SA20T/K	20	M20×1.5	25	18	45	50	25	78	103	34.925	0.3	14	42.5	57.0	356
SA22T/K	22	M22×1.5	28	20	48	54	27	84	111	38.10	0.3	15	57.0	68.0	457
SA25T/K	25	M24×2.0	31	22	55	60	30	94	124	42.85	0.3	15	68.0	85.0	607
SA28T/K	28	M27×2.0	35	24	62	66	33	103	136	47.60	0.3	15	86.0	107.0	830
SA30T/K	30	M30×2.0	37	25	66	70	35	110	145	50.80	0.3	17	88.0	114.0	1003
SA35T/K	35	M36×2.0	43	28	85	81	41	140	180.5	57.10	0.3	16	101	260	1640
SA40T/K	40	M42×2.0	49	33	90	91	46	150	195.5	66.60	0.3	17	124	280	2300
SA50T/K	50	M48×2.0	60	45	105	117	59	185	243.5	82.50	0.3	12	308	485	4800

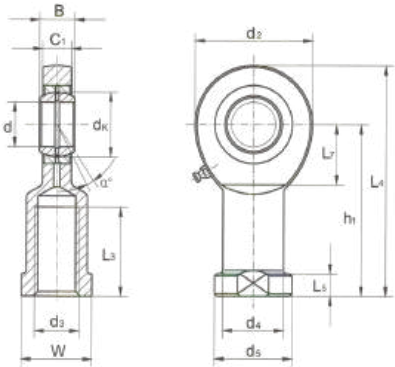
备注(Tips):

- 1.若是左旋螺纹，轴承型号需加“L”，例如：SAL 18 T/K
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., SAL 18 T/K.
- 2.如需不锈钢材料，请在型号前加“S”，例如：SSA8 T/K
For bearings made of stainless steel, add the prefix “S” to the model designation, e.g., SSA8 T/K.

杆端关节轴承
Rod ends
SI..E(S),SI..ES 2RS



滑动摩擦副： Sliding Contact Pair:	钢/钢 Steel/Steel
杆端体材料： Rod End Body Material:	中碳钢，环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
外圈材料： Outer Ring Material:	轴承钢，热处理 硬度HRC54-60，磷化 Bearing Steel,Heat Treatment Hardness HRC 54-60,Phosphating
钢球： Ball:	轴承钢，热处理 硬度HRC58-62，磷化 Bearing Steel,Heat Treatment Hardness HRC 54-60,Phosphating



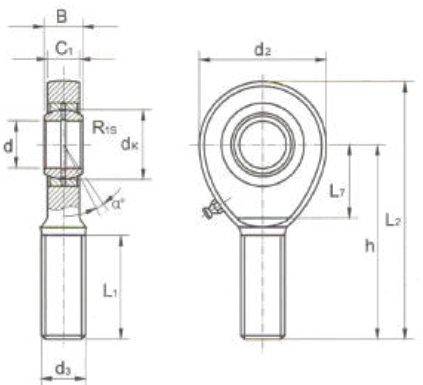
轴承型号 Bearing number	外形尺寸 Dimensions														额定载荷 kN Load Ratings		重量 g Weight
	d	d ₃ 6H	B	C ₁	L ₃ min	W	d ₂	h ₁	L ₄	L ₅	d ₄	d ₅	dk	α° ≈	动载荷 Dynamic	静载荷 Static	
SI 6 E*	6	M6×1.0	6	4.4	11	11	21	30	40.5	5	10	13	10	13	3.40	8.15	21
SI 8 E*	8	M8×1.25	8	6.0	15	14	24	36	48	5	12.5	16	13	15	5.50	12.9	39
SI 10 E*	10	M10×1.5	9	7.0	20	17	29	43	57.5	6.5	15	19	16	12	8.15	17.6	61
SI 12 E*	12	M12×1.75	10	8.0	23	19	34	50	67	6.5	17.5	22	18	11	10.8	24.5	96
SI 15 ES	15	M14×2.0	12	10	30	22	40	61	81	8	21	26	22	8	17.0	36.0	180
SI 17 ES	17	M16×2.0	14	11	34	27	46	67	90	10	24	30	25	10	21.2	45.0	220
SI 20 ES	20	M20×1.5	16	13	40	32	53	77	103.5	10	27.5	35	29	9	30.0	60.0	350
SI 25 ES	25	M24×2.0	20	17	48	36	64	94	126	12	33.5	42	35.5	7	48.0	83.0	640
SI 30 ES	30	M30×2.0	22	19	56	41	73	110	146.5	15	40	50	40.7	6	62.0	110	930
SI 35 ES	35	M36×3.0	25	21	60	50	82	125	166	15	47	58	47	6	80.0	146	1300
SI 40 ES	40	M39×3.0	28	23	65	55	92	142	188	18	52	65	53	7	100	180	2000
SI 45 ES	45	M42×3.0	32	27	65	60	102	145	196	20	58	70	60	7	127	240	2500
SI 50 ES	50	M45×3.0	35	30	68	65	112	160	216	20	62	75	66	6	156	290	3500
SI 60 ES	60	M52×3.0	44	38	70	75	135	175	242.5	20	70	88	80	6	245	450	5500
SI 70 ES	70	M56×4.0	49	42	80	85	160	200	280	20	80	98	92	6	315	610	8600
SI 80 ES	80	M64×4.0	55	47	85	100	180	230	320	25	95	110	105	6	400	750	12000

备注(Tips):
1.若是左旋螺纹， 轴承型号需加 “L” ， 例如： SI 20 ES 2RS
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., SI 20 ES 2RS.
2.轴承孔径d≥15， 也可制造-2RS结构， 例如： SI 20 ES 2RS
For bearing bore diameter d ≥ 15, the -2RS sealed variant is also available, e.g., SI 20 ES 2RS.
3.带*的型号均不配油孔或油杯
Models marked with an asterisk (*) do not include a lubrication hole or grease nipple.

杆端关节轴承
Rod ends
SA..E(S),SA..ES 2RS



滑动摩擦副： Sliding Contact Pair:	钢/钢 Steel/Steel
杆端体材料： Rod End Body Material:	中碳钢，环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
外圈材料： Outer Ring Material:	轴承钢，热处理 硬度HRC54-60，磷化 Bearing Steel,Heat Treatment Hardness HRC 54-60,Phosphating
钢球： Ball:	轴承钢，热处理 硬度HRC58-62，磷化 Bearing Steel,Heat Treatment Hardness HRC 54-60,Phosphating



轴承型号 Bearing number	外形尺寸 Dimensions														额定载荷 kN Load Ratings		重量 g Weight
	d	d ₃ 6H	B	C ₁	L ₁ min	d ₂	L ₇ min	h	L ₂	dk	R _{1S}	α° ≈	动载荷 Dynamic	静载荷 Static			
SA 6 E*	6	M6×1.0	6	4.4	18	21	11	36	46.5	10	0.3	13	3.40	8.15	17		
SA 8 E*	8	M8×1.25	8	6	22	24	14	42	54	13	0.3	15	5.50	12.9	29		
SA 10 E*	10	M10×1.5	9	7	26	29	15	48	62.5	16	0.3	12	8.15	17.6	51		
SA 12 E*	12	M12×1.75	10	8	28	34	17	54	71	18	0.3	11	10.8	24.5	86		
SA 15 ES	15	M14×2.0	12	10	34	40	20	63	83	22	0.3	8	17.0	36.0	140		
SA 17 ES	17	M16×2.0	14	11	36	46	23	69	92	25	0.3	10	21.2	45.0	190		
SA 20 ES	20	M20×1.5	16	13	43	53	27	78	104.5	29	0.6	9	30.0	60.0	310		
SA 25 ES	25	M24×2.0	20	17	53	64	32	94	126	35.5	0.6	7	48.0	83.0	560		
SA 30ES	30	M30×2.0	22	19	65	73	37	110	146.5	40.7	0.6	6	62.0	110	890		
SA 35 ES	35	M36×3.0	25	21	82	82	41	140	181	47	0.6	6	80.0	146	1400		
SA 40 ES	40	M39×3.0	28	23	86	92	46	150	196	53	0.6	7	100	180	1800		
SA 45 ES	45	M42×3.0	32	27	94	102	51	163	214	60	0.6	7	127	240	2600		
SA 50 ES	50	M45×3.0	35	30	107	112	56	185	241	66	0.6	6	156	290	3400		
SA 60 ES	60	M52×3.0	44	38	115	135	68	210	277.5	80	1.0	6	245	450	5900		
SA 70 ES	70	M56×4.0	49	42	125	160	80	235	315	92	1.0	6	315	610	8200		
SA 80 ES	80	M64×4.0	55	47	140	180	90	270	360	105	1.0	6	400	750	12000		

备注(Tips):
1.若是左旋螺纹， 轴承型号需加 “L” ， 例如： SA 20 ES 2RS
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., SA 20 ES 2RS.
2.轴承孔径d≥15， 也可制造-2RS结构， 例如： SI 20 ES 2RS
For bearing bore diameter d ≥ 15, the -2RS sealed variant is also available, e.g., SI 20 ES 2RS.
3.带*的型号均不配油孔或油杯
Models marked with an asterisk (*) do not include a lubrication hole or grease nipple.

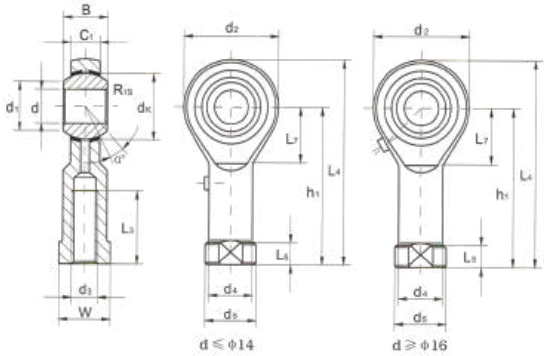
杆端关节轴承
Rod ends PHS

Maintenance required

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
外圈球面镶嵌青铜衬垫
Outer race lined with bronze liner.
杆端体表面镀锌，有润滑油孔或油杯
The rod end body is zinc-plated and equipped with a lubrication hole or grease nipple.



滑动摩擦副： Sliding Contact Pair:	钢/青铜 Steel/Bronze
杆端体材料： Rod End Body Material:	中碳钢，环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
外圈材料： Outer Ring Material:	外圈球面镶嵌青铜衬垫 Outer race lined with bronze liner.
钢球： Ball:	轴承钢，热处理 硬度HRC58-62，镀铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions															额定载荷 kN Load Ratings		重量 g Weight
	d	d ₃	B	C ₁	W	L ₃ min	d ₂	L ₄	h ₁	L ₅	d ₄	d ₅	d _k	d ₁	α° ≈	动载荷 Dynamic	静载荷 Static	
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	15.2
PHS 6	6	M6×1.0	9	6.75	11	12	18	39	30	5	10.0	13	12.7	8.96	13	4.30	7.20	22.3
PHS 8	8	M8×1.25	12	9	14	16	22	47	36	5	12.5	16	15.875	10.4	14	7.20	11.6	42.2
PHS 10	10	M10×1.5	14	10.5	17	20	26	56	43	6.5	15.0	19	19.05	12.9	13	10.0	14.5	68.6
PHS 10-1	10	M10×1.25	14	10.5	17	20	26	56	43	6.5	15.0	19	19.05	12.9	13	10.0	14.5	68.6
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	104
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	104
PHS 14	14	M14×2.0	19	13.5	22	25	34	74	57	8	20.0	25	25.4	16.9	16	17.0	24.0	143.5
PHS 14-1	14	M14×1.5	19	13.5	22	25	34	74	57	8	20.0	25	25.4	16.9	16	17.0	24.0	143.5
PHS 16	16	M16×2.0	21	15	24	28	38	83	64	8	22.0	27	28.575	19.4	15	21.6	28.5	197.5
PHS 16-1	16	M16×1.5	21	15	24	28	38	83	64	8	22.0	27	28.575	19.4	15	21.6	28.5	197.5
PHS 18	18	M18×1.5	23	16.5	27	32	42	92	71	10	25.0	31	31.75	21.9	15	26.0	42.5	297
PHS 20	20	M20×1.5	25	18	30	33	46	100	77	10	27.5	34	34.925	24.4	14	31.5	42.5	350
PHS 22	22	M22×1.5	28	20	32	37	50	111	84	12	30.0	38	38.10	25.8	15	38.0	57.0	478
PHS 25	25	M24×2.0	31	22	36	42	60	124	94	12	33.5	42	42.85	29.6	15	47.5	68.0	688
PHS 28	28	M27×2.0	35	24	41	48	66	136	103	14	37.0	46	47.6	32.3	15	58.0	75.0	929
PHS 30	30	M30×2.0	37	25	41	51	70	145	110	15	40.0	50	50.8	34.8	17	64.0	88.0	1076
PHS 30-1	30	M27×2.0	37	25	41	51	70	145	110	15	40.0	50	50.8	34.8	17	64.0	88.0	1076

备注(Tips):

- 1.若是左旋螺纹，轴承型号需加“L”，例如：PHSL 8。
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., PHSL 8.
- 2.如需不锈钢材料，请在型号前加“S”，例如：SPHS 8
For bearings made of stainless steel, add the prefix “S” to the model designation, e.g., SPHS 8.

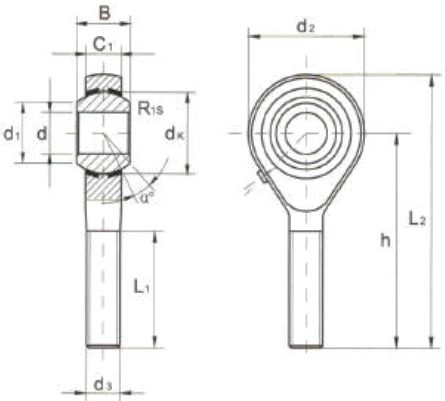
杆端关节轴承
Rod ends POS

Maintenance required

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
外圈球面镶嵌青铜衬垫
Outer race lined with bronze liner.
杆端体表面镀锌，有润滑油孔或油杯
The rod end body is zinc-plated and equipped with a lubrication hole or grease nipple.



滑动摩擦副： Sliding Contact Pair:	钢/青铜 Steel/Bronze
杆端体材料： Rod End Body Material:	中碳钢，环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
外圈材料： Outer Ring Material:	外圈球面镶嵌青铜衬垫 Outer race lined with bronze liner.
钢球： Ball:	轴承钢，热处理 硬度HRC58-62，镀铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions												额定载荷 kN Load Ratings		重量 g Weight
	d	d3	B	C1	L1	d2	h	L2	dk	R1s	d1	α° ≈	动载荷 Dynamic	静载荷 Static	
POS 5	5	M5×0.8	8	6	20	16	33	41	11.11	0.3	7.70	13	3.25	5.70	12
POS 6	6	M6×1.0	9	6.75	22	18	36	45	12.70	0.3	8.96	13	4.30	7.20	16.9
POS 8	8	M8×1.25	12	9	25	22	42	53	15.875	0.3	10.4	14	7.20	11.6	33.4
POS 10	10	M10×1.5	14	10.5	29	26	48	61	19.05	0.3	12.9	13	10.0	14.5	54.7
POS 12	12	M12×1.75	16	12	33	30	54	69	22.225	0.3	15.4	13	13.4	17.0	84.3
POS 14	14	M14×2.0	19	13.5	36	34	60	77	25.40	0.3	16.9	16	17.0	24.0	126.6
POS 16	16	M16×2.0	21	15	40	38	66	85	28.575	0.3	19.4	15	21.6	28.5	175.5
POS 18	18	M18×1.5	23	16.5	44	42	72	94	31.75	0.3	21.9	15	26.0	42.5	243
POS 20	20	M20×1.5	25	18	47	46	78	101	34.925	0.3	24.4	15	31.5	52.5	317
POS 22	22	M22×1.5	28	20	51	50	84	111	38.10	0.3	25.8	15	38.0	57.0	410
POS 25	25	M24×2.0	31	22	57	60	94	124	42.85	0.3	29.6	15	47.5	68.0	616.5
POS 28	28	M27×2.0	35	24	62	66	103	136	47.60	0.3	32.3	15	58.0	75.5	836.5
POS 30	30	M30×2.0	37	25	66	70	110	145	50.80	0.3	34.8	17	64.0	88.0	1020

备注(Tips):

- 1.若是左旋螺纹，轴承型号需加“L”，例如：POSL 8
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., POSL 8.
- 2.如需不锈钢材料，请在型号前加“S”，例如：SPOS 8
For bearings made of stainless steel, add the prefix “S” to the model designation, e.g., SPOS 8.

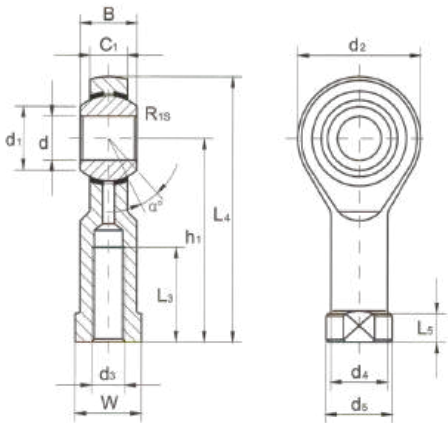
杆端关节轴承
Rod ends PHSB

Maintenance required, inch dimensions

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
杆端体表面镀锌，有润滑油孔或油杯
The rod end body is zinc-plated and equipped with a lubrication hole or grease nipple.



滑动摩擦副： Sliding Contact Pair:	钢/青铜 Steel/Bronze
杆端体材料： Rod End Body Material:	中碳钢，环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
外圈材料： Outer Ring Material:	外圈球面镶嵌青铜衬垫 Outer race lined with bronze liner.
钢球： Ball:	轴承钢，热处理 硬度HRC58-62，镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions															负荷 kN Load Ratings		重量 g Weight
	d	d ₃ 2B	B	C ₁	d ₁	R _{1s}	d ₂	h ₁	L ₃ min	L ₄	L ₅	d ₄	d ₅	W	α ≈	动载荷 Dynamic	静载荷 Static	
PHSB 3	4.826	10-32	7.92	6.35	7.80	0.3	15.88	26.97	14.27	34.91	4.75	7.54	10.31	7.92	10	3.4	4.6	15
PHSB 4	6.350	¼-28	9.53	7.14	8.40	0.3	19.05	33.32	19.05	42.85	4.75	9.15	11.91	9.53	13	4.5	7.7	25
PHSB 5	7.938	⅝-24	11.10	8.74	11.4	0.3	22.23	34.93	19.05	46.04	4.75	10.72	12.70	11.1	10	6.9	8.4	36
PHSB 6	9.525	¾-24	12.70	10.31	13.1	0.3	25.40	41.28	23.80	53.98	6.35	13.89	17.45	14.27	9	9.4	10	61
PHSB 7	11.113	7/16-20	14.27	11.10	14.9	0.6	28.58	46.02	26.97	60.31	6.35	15.49	19.05	15.88	11	11	13	81
PHSB 8	12.70	½-20	15.88	12.70	17.7	0.6	33.32	53.98	30.15	70.64	6.35	18.67	22.23	19.05	9	15	19	133
PHSB 10	15.875	⅝-18	19.05	14.27	21.3	0.6	38.10	63.50	38.10	82.55	7.92	21.84	25.40	22.23	11	20	21	190
PHSB 12	19.05	¾-16	22.23	17.45	24.8	0.6	44.45	73.03	44.45	95.25	7.92	25.02	28.58	25.40	10	29	29	285
PHSB 16	25.40	⅞-12	34.93	25.40	32.2	0.6	69.85	104.78	53.98	139.7	11.1	37.72	44.45	38.10	14	60	101	1000

备注(Tips):

- 1.若是左旋螺纹，轴承型号需加“L”和“左”，例如：PHSB6L M3/8X24g左
For bearings with a left-hand thread, the model code must incorporate the suffix “L” and the designator “左”. Example: PHSB6L M3/8X24g Left-Hand (LH).
- 2.外圈球面镶嵌青铜衬垫
Outer race lined with bronze liner.

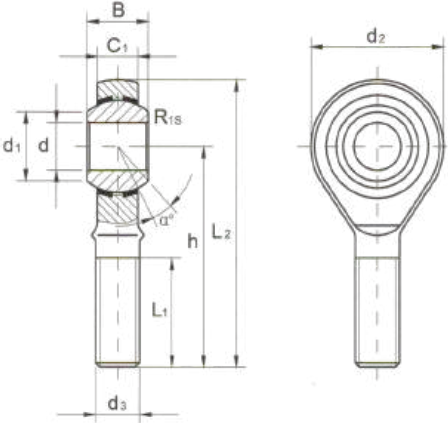
杆端关节轴承
Rod ends POSB

Maintenance required, inch dimensions

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
杆端体表面镀锌，有润滑油孔或油杯
The rod end body is zinc-plated and equipped with a lubrication hole or grease nipple.



滑动摩擦副： Sliding Contact Pair:	钢/青铜 Steel/Bronze
杆端体材料： Rod End Body Material:	中碳钢，环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
外圈材料： Outer Ring Material:	外圈球面镶嵌青铜衬垫 Outer race lined with bronze liner.
钢球： Ball:	轴承钢，热处理 硬度HRC58-62，镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions											负荷 kN Load Ratings		重量 g Weight
	d	d _{3A}	B	C ₁	d ₁	R _{1s}	d ₂	h	L ₁	L ₂	α	动载荷 Dynamic	静载荷 Static	
POSB 3	4.826	10-32	7.925	6.35	7.80	0.3	15.88	31.75	19.05	39.70	10	3.4	3.8	13
POSB 4	6.350	¼-28	9.525	7.14	8.40	0.3	19.05	39.67	25.40	49.20	13	4.5	6.6	22
POSB 5	7.938	⅝ ₁₆ -24	11.10	8.74	11.4	0.3	22.23	47.63	31.75	58.72	10	6.9	8.4	37
POSB 6	9.525	¾-24	12.70	10.31	13.1	0.6	25.40	49.23	31.75	61.93	9	9.4	10	55
POSB 7	11.113	7 ₁₆ -20	14.275	11.10	14.9	0.6	28.58	53.98	34.95	68.28	11	11	13	78
POSB 8	12.70	½-20	15.875	12.70	17.7	0.6	33.32	61.93	38.10	78.59	9	15	19	120
POSB 10	15.875	⅝-18	19.05	14.27	21.3	0.6	38.10	66.68	41.28	85.73	11	20	21	180
POSB 12	19.05	¾-16	22.225	17.45	24.8	0.6	44.45	73.03	44.45	95.25	10	29	29	290
POSB 16	25.40	⅞ ₄ -12	34.93	25.40	32.2	0.6	69.85	104.78	53.98	139.7	14	60	101	1100

备注(Tips):

- 1.若是左旋螺纹，轴承型号需加“L”和“左”，例如：POSB6L M3/8X24g左
For bearings with a left-hand thread, the model code must incorporate the suffix “L” and the designator “左”. Example: POSB6L M3/8X24g Left-Hand (LH).
- 2.外圈球面镶嵌青铜衬垫
Outer race lined with bronze liner.

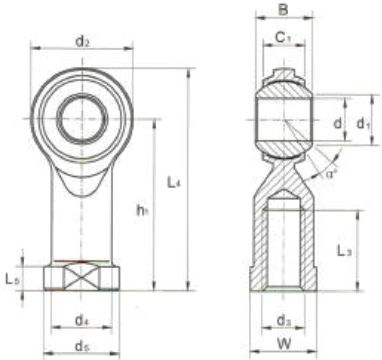
杆端关节轴承
Rod ends NHS

Maintenance free

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
外圈球面粘贴有PTFE合成材料
A PTFE composite material layer is bonded to the spherical surface of the outer ring.
杆端体表面镀锌
The rod end body is zinc-plated.



滑动摩擦副: Sliding Contact Pair:	钢/PTFE复合材料 Steel/PTFE Composite
杆端体材料: Rod End Body Material:	中碳钢, 环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
杆端体: Rod end body:	挤压成型 Extrusion-formed
钢球: Ball:	轴承钢, 热处理 硬度HRC58-62, 镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions														额定载荷 kN Load Ratings		重量 g Weight
	d	d3	B	C1	W	h1	d2	L4	L5	d4	d5	dk	L3 min	α° ≈	动载荷 Dynamic	静载荷 Static	
NHS 3	3	M3×0.5	6	4.5	7	21	12	27	3	6.5	8	7.89	10	11	1.7	2.0	10
NHS 4	4	M4×0.7	7	5.25	8	24	14	31	4	8	9.5	9.49	12	12	2.5	2.9	12
NHS 5	5	M5×0.8	8	6	9	27	18	36.5	4	8.5	11	11.11	10	13	5.70	6.00	16
NHS 6	6	M6×1.0	9	6.7	11	30	20	40.5	5	10	13	12.70	12	13	7.20	7.65	22
NHS 8	8	M8×1.25	12	9	14	36	24	48.5	5	12.5	16	15.875	16	14	11.6	12.9	47
NHS 10	10	M10×1.5	14	11	17	43	28	57.5	6.5	15	19	19.05	20	13	14.5	18.0	77
NHS 10-1	10	M10×1.25	14	11	17	43	28	57.5	6.5	15	19	19.05	20	13	14.5	18.0	77
NHS 12	12	M12×1.75	16	12	19	50	32	66.5	6.5	17.5	22	22.225	22	13	17.0	24.0	100
NHS 12-1	12	M12×1.25	16	12	19	50	32	66.5	6.5	17.5	22	22.225	22	13	17.0	24.0	100
NHS 14	14	M14×2.0	19	14	22	57	38	75.5	8	20	25	25.40	25	16	24.0	31.0	160
NHS 14-1	14	M14×1.5	19	14	22	57	38	75.5	8	20	25	25.40	25	16	24.0	31.0	160
NHS 16	16	M16×2.0	21	15	24	64	40	85.5	8	22	27	28.575	28	15	28.5	39.0	220
NHS 16-1	16	M16×1.5	21	15	24	64	40	85.5	8	22	27	28.575	28	15	28.5	39.0	220
NHS 18	18	M18×1.5	23	17	27	71	46	94.5	10	25	31	31.75	32	15	42.5	47.5	320
NHS 20	20	M20×1.5	25	18	30	77	50	102.5	10	27.5	34	34.925	33	14	42.5	57.0	420
NHS 22	22	M22×1.5	28	20	32	84	54	111.5	12	30	38	38.10	37	15	57.0	68.0	540
NHS 25	25	M24×2.0	31	22	36	94	60	124.5	12	33.5	42	42.85	42	15	68.0	85.0	720

备注(Tips):

- 1.若是左旋螺纹, 轴承型号需加 "L", 例如: NHS 18 L
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., NHS 18 L.
- 2.杆端体挤压成型
The rod end body is manufactured by the extrusion forming process.

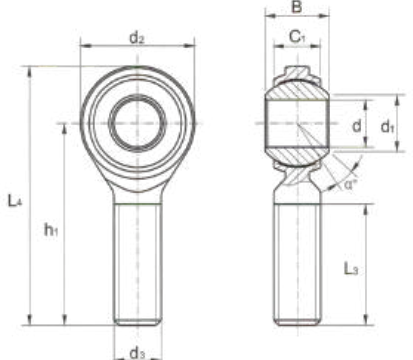
杆端关节轴承
Rod ends NOS

Maintenance free

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
外圈球面粘贴有PTFE合成材料
A PTFE composite material layer is bonded to the spherical surface of the outer ring.
杆端体表面镀锌
The rod end body is zinc-plated.



滑动摩擦副: Sliding Contact Pair:	钢/PTFE复合材料 Steel/PTFE Composite
杆端体材料: Rod End Body Material:	中碳钢, 环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
杆端体: Rod end body:	挤压成型 Extrusion-formed
钢球: Ball:	轴承钢, 热处理 硬度HRC58-62, 镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions									额定载荷 kN Load Ratings		重量 g Weight
	d	d ₃	B	C ₁	d ₂	h ₁	L ₄	L ₃ min	α° ≈	动载荷 Dynamic	静载荷 Static	
NOS 3	3	M3×0.5	6	4.9	12	27	33	15	11	1.7	2.00	10
NOS 4	4	M4×0.7	7	5.25	14	30	37	17	12	2.5	2.90	12
NOS 5	5	M5×0.8	8	6	18	33	42.5	20	13	5.70	6.00	13
NOS 6	6	M6×1.0	9	6.7	20	36	46.5	22	13	7.20	7.65	20
NOS 8	8	M8×1.25	12	9	24	42	54.5	25	14	11.6	12.9	38
NOS 10	10	M10×1.5	14	11	28	48	62.5	29	13	14.5	18.0	55
NOS 12	12	M12×1.75	16	12	32	54	70.5	33	13	17.0	24.0	85
NOS 14	14	M14×2.0	19	14	38	60	78.5	36	16	24.0	31.0	140
NOS 16	16	M16×2.0	21	15	40	66	87.5	40	15	28.5	39.0	210
NOS 18	18	M18×1.5	23	17	46	72	95.5	44	15	42.5	47.5	280
NOS 20	20	M20×1.5	25	18	50	78	103.5	47	14	42.5	57.0	380
NOS 22	22	M22×1.5	28	20	54	84	111.5	50	15	57.0	68.0	480
NOS 25	25	M24×2.0	31	22	60	94	124.5	57	15	68.0	85.0	640

备注(Tips):

- 1.若是左旋螺纹, 轴承型号需加 "L", 例如: NOS 18 L
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., NOS 18 L.
- 2.杆端体挤压成型
The rod end body is manufactured by the extrusion forming process.

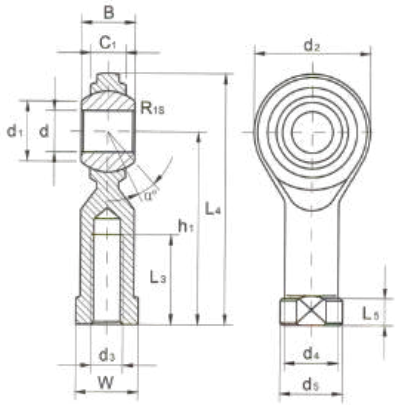
杆端关节轴承
Rod ends SIZJ

Maintenance required, inch dimensions

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
杆端体表面镀锌
The rod end body is zinc-plated.



滑动摩擦副: Sliding Contact Pair:	钢/PTFE复合材料 Steel/PTFE Composite
杆端体材料: Rod End Body Material:	中碳钢, 环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
杆端体: Rod end body:	挤压成型 Extrusion-formed
钢球: Ball:	轴承钢, 热处理 硬度HRC58-62, 镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions															额定载荷 kN Load Ratings		重量 g Weight
	d	B	R1S min	C1	d1 min	d2	d3 2B	h1	L3 min	L4	L5	d4	d5	W	α° ≈	动载荷 Dynamic	静载荷 Static	
SIZJ 4	4.826	7.92	0.3	5.94	7.8	15.88	10-32	26.97	12.70	34.93	4.75	7.54	10.31	7.92	10	3.6	6.8	18
SIZJ 6	6.350	9.53	0.3	6.35	8.4	19.5	¼-28	33.32	15.88	42.85	4.75	9.15	11.91	9.53	13.5	5.4	9.6	23
SIZJ 7	7.938	11.1	0.3	7.92	11.4	22.23	⅝-24	34.93	15.88	46.02	4.75	10.72	12.70	11.10	11	8.5	12	30
SIZJ 9	9.525	12.7	0.6	9.12	13.1	25.40	⅜-24	41.28	19.05	53.98	6.35	13.89	17.45	14.27	11	11	16	59
SIZJ 11	11.113	14.27	0.6	10.31	14.9	28.58	7/16-20	46.02	22.23	60.33	6.35	15.49	19.05	15.88	10.5	14	21	82
SIZJ 12	12.70	15.88	0.6	11.5	17.7	33.32	½-20	53.98	25.40	70.64	6.35	18.67	22.23	19.05	10	18	28	132
SIZJ 15	15.875	19.05	0.6	12.29	21.3	38.10	⅝-18	63.50	31.75	82.55	7.92	21.84	25.40	22.23	13	23	29	195
SIZJ 19	19.05	22.23	0.6	15.06	24.8	44.5	¾-16	73.03	34.93	95.25	7.92	25.02	28.58	25.40	12	34	44	295

备注(Tips):
1.若是左旋螺纹, 轴承型号需加 "L", 例如: SILZJ 15
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., SILZJ 15.
2.杆端体挤压成型
The rod end body is manufactured by the extrusion forming process.
3.英制系列
Inch Series

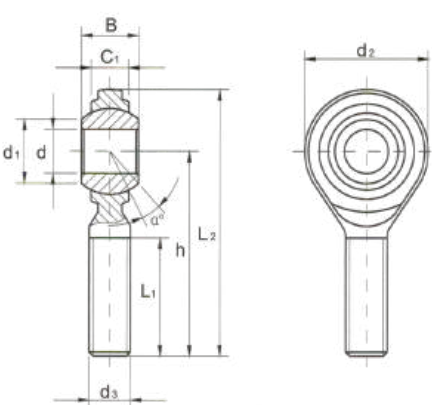
杆端关节轴承
Rod ends SAZJ

Maintenance required, inch dimensions

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
杆端体表面镀锌
The rod end body is zinc-plated.



滑动摩擦副: Sliding Contact Pair:	钢/PTFE复合材料 Steel/PTFE Composite
杆端体材料: Rod End Body Material:	中碳钢, 环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
杆端体: Rod end body:	挤压成型 Extrusion-formed
钢球: Ball:	轴承钢, 热处理 硬度HRC58-62, 镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions											额定载荷 kN Load Ratings		重量 g Weight
	d	B	R1 _{5 min}	C ₁	d _{1 min}	d ₂	d _{3 3A}	h	L _{1 min}	L ₂	α° ≈	动载荷 Dynamic	静载荷 Static	
SAZJ 4	4.826	7.92	0.3	5.94	7.8	15.88	10-32	31.75	19.05	39.70	10	3.6	3.8	14
SAZJ 6	6.350	9.53	0.3	6.35	8.4	19.05	¼-28	39.67	25.40	49.20	13.5	5.4	6.6	18
SAZJ 7	7.938	11.10	0.3	7.92	11.4	22.23	⅝ ₁₆ -24	47.63	31.75	58.72	11	8.5	12	32
SAZJ 9	9.525	12.70	0.6	9.12	13.1	25.40	⅜-24	49.23	31.75	61.93	11	11	16	50
SAZJ 11	11.113	14.27	0.6	10.31	14.9	28.58	7/16-20	53.98	34.93	68.28	10.5	14	21	68
SAZJ 12	12.70	15.88	0.6	11.50	17.7	33.32	½-20	61.93	38.10	78.59	10	18	28	110
SAZJ 15	15.875	19.05	0.6	12.29	21.3	38.10	⅝-18	66.68	41.28	85.73	13	23	29	160
SAZJ 19	19.05	22.23	0.6	15.06	24.8	44.45	¾-16	73.03	44.45	95.25	12	34	44	260

备注(Tips):
1.若是左旋螺纹, 轴承型号需加 "L", 例如: SALZJ 15
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., SALZJ 15.
2.杆端体挤压成型
The rod end body is manufactured by the extrusion forming process.
3.英制系列
Inch Series

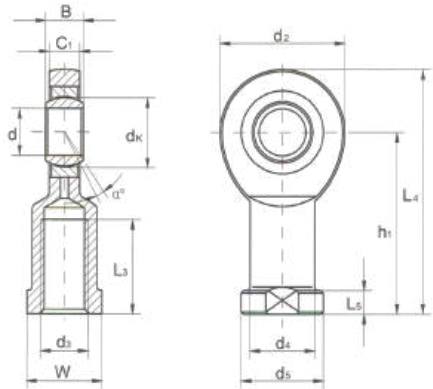
杆端关节轴承
Rod ends SI..C
SI..ET 2RS

Maintenance free

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
由杆端体和向自润滑向心关节轴承GE..UK或GE..ET 2RS组成
Composed of rod end body and self-lubricating radial spherical plain bearing GE..UK or GE..ET 2RS.
杆端体表面镀锌
The rod end body is zinc-plated.



滑动摩擦副： Sliding Contact Pair:	钢/PTFE复合材料 Steel/PTFE Composite
杆端体材料： Rod End Body Material:	中碳钢，环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
外圈材料： Outer Ring Material:	碳钢 Carbon Steel
钢球： Ball:	轴承钢，热处理 硬度HRC58-62，镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions														额定载荷 kN Load Ratings		重量 g Weight
	d	d3	B	C1	d2	L3 min	W	d4	d5	L5	h1	L4	dk	α° ≈	动载荷 Dynamic	静载荷 Static	
SI 6 C	6	M6×1.0	6	4.4	21	11	11	10	13	5	30	40.5	10	13	3.60	8.15	21
SI 8 C	8	M8×1.25	8	6	24	15	14	12.5	16	5	36	48	13	15	5.85	12.9	39
SI 10 C	10	M10×1.5	9	7	29	20	17	15	19	6.5	43	57.5	16	12	8.65	17.6	61
SI 12 C	12	M12×1.75	10	8	34	23	19	17.5	22	6.5	50	67	18	11	11.4	24.5	96
SI 15 C	15	M14×2.0	12	10	40	30	22	21	26	8	61	81	22	8	17.6	36.0	180
SI 17 C	17	M16×2.0	14	11	46	34	27	24	30	10	67	90	25	10	22.4	45.0	220
SI 20 C	20	M20×1.5	16	13	53	40	32	27.5	35	10	77	103.5	29	9	31.5	60	350
SI 25 C	25	M24×2.0	20	17	64	48	36	33.5	42	12	94	126	35.5	7	51.0	83.0	640
SI 30 C	30	M30×2.0	22	19	73	56	41	40	50	15	110	146.5	40.7	6	66.5	110	930
SI 35 ET 2RS	35	M36×3.0	25	21	82	60	50	47	58	15	125	166	47	6	112	146	1300
SI 40ET 2RS	40	M39×3.0	28	23	92	65	55	52	65	18	142	188	53	7	140	180	2000
SI 45ET 2RS	45	M42×3.0	32	27	102	65	60	58	70	20	145	196	60	7	180	240	2500
SI 50ET 2RS	50	M45×3.0	35	30	112	68	65	62	75	20	160	216	66	6	220	290	3500
SI 60ET 2RS	60	M52×3.0	44	38	135	70	75	70	88	20	175	242.5	80	6	345	450	5500
SI 70ET 2RS	70	M56×4.0	49	42	160	80	85	80	98	20	200	280	92	6	440	610	8600
SI 80ET 2RS	80	M64×4.0	55	47	180	85	100	95	110	25	230	320	105	6	570	750	12000

备注(Tips):
1.若是左旋螺纹，轴承型号需加“L”，例如：SIL6 C
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., SIL6C.
2.轴承孔径d≥35，需采用 ET 2RS 结构
For bearing bore diameter d ≥ 35, the ET 2RS (sealed) design is required.

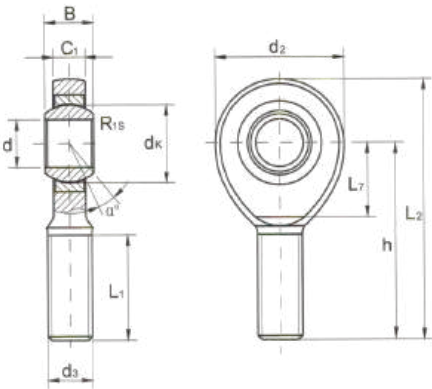
杆端关节轴承
Rod ends SA..C
SA..ET 2RS

Maintenance free

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
由杆端体和向自润滑向心关节轴承GE..UK或GE..ET 2RS组成
Composed of rod end body and self-lubricating radial spherical plain bearing GE..UK or GE..ET 2RS.
杆端体表面镀锌
The rod end body is zinc-plated.



滑动摩擦副： Sliding Contact Pair:	钢/PTFE复合材料 Steel/PTFE Composite
杆端体材料： Rod End Body Material:	中碳钢，环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
外圈材料： Outer Ring Material:	碳钢 Carbon Steel
钢球： Ball:	轴承钢，热处理 硬度HRC58-62，镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



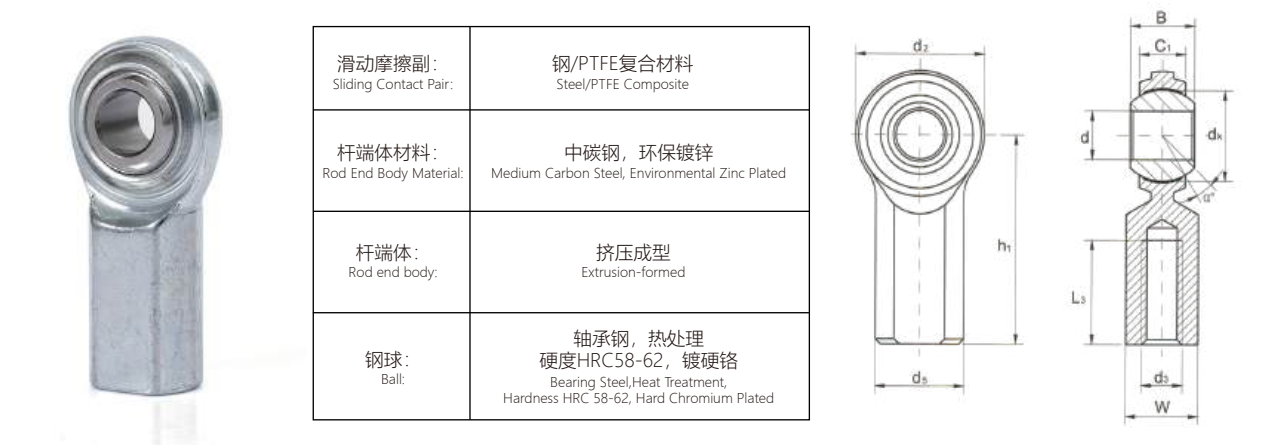
轴承型号 Bearing number	外形尺寸 Dimensions														额定载荷 kN Load Ratings		重量 g Weight
	d	d3	B	C1	d2	L2 min	h	L7	L1 min	dk	R1S	α° ≈	动载荷 Dynamic	静载荷 Static			
SA 6 C	6	M6×1.0	6	4.4	21	46.5	36	12	18	10	0.3	13	3.60	8.15	17		
SA 8 C	8	M8×1.25	8	6	24	54	42	14	22	13	0.3	15	5.85	12.9	29		
SA 10 C	10	M10×1.5	9	7	29	62.5	48	15	26	16	0.3	12	8.65	17.6	51		
SA 12 C	12	M12×1.75	10	8	34	71	54	18	28	18	0.3	11	11.4	24.5	86		
SA 15 C	15	M14×2.0	12	10	40	83	63	20	34	22	0.3	8	17.6	36.0	140		
SA 17 C	17	M16×2.0	14	11	46	92	69	23	36	25	0.3	10	22.4	45.0	190		
SA 20 C	20	M20×1.5	16	13	53	104.5	78	27	43	29	0.6	9	31.5	60.0	310		
SA 25 C	25	M24×2.0	20	17	64	126	94	32	53	35.5	0.6	7	51.0	83.0	560		
SA 30 C	30	M30×2.0	22	19	73	146.5	110	37	65	40.7	0.6	6	66.5	110	890		
SA 35 ET 2RS	35	M36×3.0	25	21	82	181	140	42	82	47	0.6	6	112	146	1400		
SA 40 ET 2RS	40	M39×3.0	28	23	92	196	150	48	86	53	0.6	7	140	180	1800		
SA 45 ET 2RS	45	M42×3.0	32	27	102	214	163	52	94	60	0.6	7	180	240	2600		
SA 50 ET 2RS	50	M45×3.0	35	30	112	241	185	60	107	66	0.6	6	220	290	3400		
SA 60 ET 2RS	60	M52×3.0	44	38	135	277.5	210	75	115	80	1.0	6	345	450	5900		
SA 70 ET 2RS	70	M56×4.0	49	42	160	315	235	87	125	92	1.0	6	440	610	8200		
SA 80 ET 2RS	80	M64×4.0	55	47	180	360	270	100	140	105	1.0	6	570	750	12000		

备注(Tips):
1.若是左旋螺纹，轴承型号需加“L”，例如：SAL6 C
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., SAL6 C.
2.轴承孔径d≥35，需采用 ET 2RS 结构
For bearing bore diameter d ≥ 35, the ET 2RS (sealed) design is required.

杆端关节轴承
Rod ends CF..T

Maintenance free, inch dimensions

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
杆端体表面镀锌
The rod end body is zinc-plated.
外圈球面粘贴有PTFE合成材料
A PTFE composite material layer is bonded to the spherical surface of the outer ring.



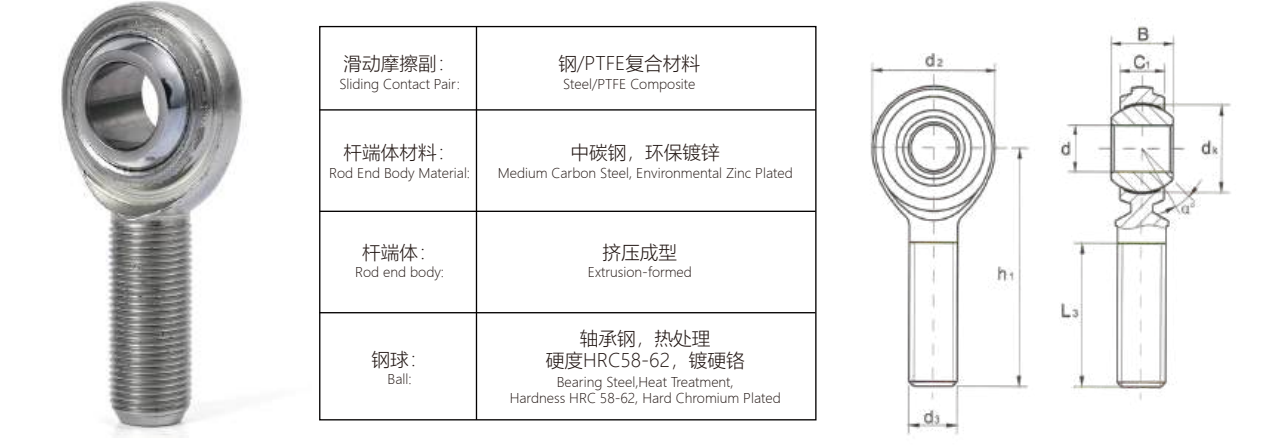
轴承型号 Bearing number	外形尺寸 Dimensions											额定载荷 kN Load Ratings	重量 g Weight
	d	B	C1	h1	d2	d5	W	dk	L3 min	d3 2B	α° ≈		
CF5T	7.938	11.10	7.92	34.93	22.23	12.70	11.10	15.06	17.45	5/16-24	11	28.693	36
CF6T	9.525	12.70	9.12	41.28	25.40	17.45	14.27	17.45	20.62	3/8-24	11	38.371	59
CF7T	11.113	14.27	10.31	46.02	28.58	19.05	15.88	19.84	23.80	7/16-20	10.5	41.676	82
CF8T	12.700	15.88	11.50	53.98	33.32	22.23	19.05	23.80	26.97	1/2-20	10	67.299	132
CF10T	15.875	19.05	12.29	63.50	38.10	25.40	22.23	26.97	34.93	5/8-18	13	75.271	195
CF12T	19.050	22.23	15.06	73.03	44.45	28.58	25.40	31.75	39.67	3/4-16	12	113.642	295

备注(Tips):
1.若是左旋螺纹，轴承型号需加“L”，例如：CFL 10 T
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., CFL 10 T.
2.杆端体挤压成型
The rod end body is manufactured by the extrusion forming process.

杆端关节轴承
Rod ends CM..T

Maintenance free, inch dimensions

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
杆端体表面镀锌
The rod end body is zinc-plated.
外圈球面粘贴有PTFE合成材料
A PTFE composite material layer is bonded to the spherical surface of the outer ring.



轴承型号 Bearing number	外形尺寸 Dimensions									额定载荷 kN Load Ratings	重量 g Weight
	d	B	C ₁	h ₁	d ₂	d _k	L ₃ min	d ₃ 2B	α° ≈		
CM5T	7.938	11.10	7.92	47.63	22.23	15.06	31.75	⁵ / ₁₆ -24	11	28.693	32
CM6T	9.525	12.70	9.12	49.23	25.40	17.45	31.75	³ / ₈ -24	11	38.371	50
CM7T	11.113	14.27	10.31	53.98	28.58	19.84	34.93	⁷ / ₁₆ -20	10.5	41.676	68
CM8T	12.700	15.88	11.50	61.93	33.32	23.80	38.10	¹ / ₂ -20	10	67.299	109
CM10T	15.875	19.05	12.29	66.68	38.10	26.97	41.28	⁵ / ₈ -18	13	75.271	163
CM12T	19.050	22.23	15.06	73.03	44.45	31.75	44.45	³ / ₄ -16	12	113.642	259

备注(Tips):
1.若是左旋螺纹，轴承型号需加“L”，例如：CML 10 T
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., CML 10 T.
2.杆端体挤压成型
The rod end body is manufactured by the extrusion forming process.

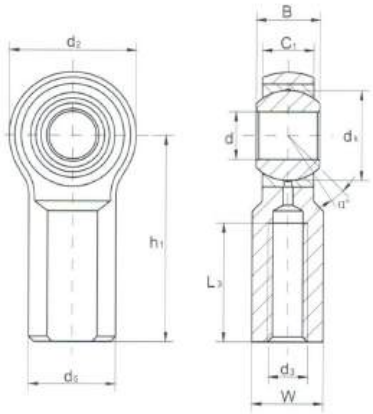
杆端关节轴承
Rod ends JF..T

Maintenance free

杆端体带有左旋或右旋的内螺纹
Rod body with right or left-hand female thread.
由杆端体和向自润滑向心关节轴承组成
Composed of rod end body and self-lubricating radial spherical plain.
杆端体表面镀锌
Surface of rod body zinc plated.



滑动摩擦副: Sliding Contact Pair:	钢/PTFE复合材料 Steel/PTFE Composite
杆端体材料: Rod End Body Material:	中碳钢, 环保镀锌 Medium Carbon Steel, Environmental Zinc Plated
外圈材料: Outer Ring Material:	碳钢 Carbon Steel
钢球: Ball:	轴承钢, 热处理 硬度HRC58-62, 镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions											负荷 kN Load Ratings	重量g Weight
	d	B	C1	h1	d2	d5	W	dk	L3 min	d3 2B	$\alpha \approx$		
JF2T	3.175	6.35	4.75	20.62	12.70	7.92	6.35	7.92	11.10	6-32	8	5.344	9
JF3T	4.826	7.92	6.35	26.97	15.88	10.31	7.92	11.10	14.27	10-32	6.5	6.805	17
JF4T	6.350	9.53	7.14	33.32	19.05	11.91	9.53	12.70	19.05	1/4-28	8	11.297	27
JF5T	7.938	11.10	8.74	34.93	22.23	12.70	11.10	15.88	19.05	5/16-24	7	13.934	42
JF6T	9.525	12.70	10.31	41.28	25.40	17.45	14.27	18.26	23.80	3/8-24	6	17.416	69
JF7T	11.113	14.27	11.10	46.02	28.58	19.05	15.88	20.62	26.97	7/16-20	7	18.759	90
JF8T	12.70	15.88	12.70	53.98	33.32	22.23	19.05	23.80	30.15	1/2-20	6	29.624	149
JF10T	15.875	19.05	14.27	63.50	38.10	25.40	22.23	28.58	38.10	5/8-18	8	32.752	216
JF12T	19.05	22.23	17.45	73.03	44.45	28.58	25.40	33.32	44.45	3/4-16	7	51.237	328
JF14T	22.225	22.23	19.43	85.73	50.80	33.02	28.58	34.93	47.63	7/8-14	3.5	82.185	467
JF16T	25.40	34.93	25.40	104.78	69.85	41.28	38.10	47.63	53.98	1 1/4-12	8.5	193.670	964

备注(Tips):
1.若是左旋螺纹, 轴承型号需加 "L", 例如: JFL 10T
For left-hand thread,please add suffix"L",e.g.JFL 10T
2.英制系列
In inch dimension series.

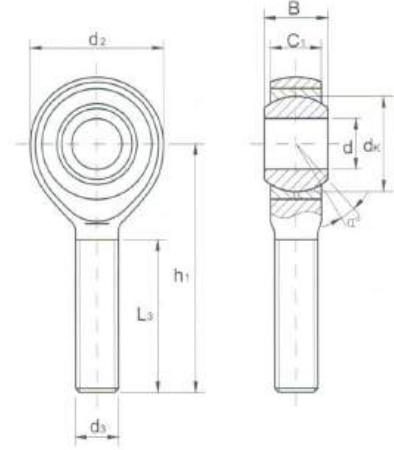
杆端关节轴承
Rod ends JM..T

Maintenance free

杆端体带有左旋或右旋的外螺纹
Rod body with right or left-hand male thread
由杆端体和向自润滑向心关节轴承组成
Composed of rod end body and self-lubricating radial spherical plain.
杆端体表面镀锌
Surface of rod body zinc plated.



滑动摩擦副: Sliding Contact Pair:	钢/PTFE复合材料 Steel/PTFE Composite
杆端体材料: Rod End Body Material:	合金钢, 环保镀锌 Alloy Steel, Environmental Zinc Plated
外圈材料: Outer Ring Material:	碳钢 Carbon Steel
钢球: Ball:	轴承钢, 热处理 硬度HRC58-62, 镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions									负荷 kN Load Ratings	重量g Weight
	d	B	C1	h1	d2	dk	L3 min	d3 3A	$\alpha \approx$		
JM2T	3.175	6.35	4.75	23.80	12.70	7.92	14.27	6-32	8	2.236	6
JM3T	4.826	7.92	6.35	31.75	15.88	11.10	19.05	10-32	6.5	5.197	13
JM4T	6.350	9.53	7.14	39.67	19.05	12.70	25.40	1/4-28	8	9.600	20
JM5T	7.938	11.10	8.74	47.63	22.23	15.88	31.75	5/16-24	7	12.385	33
JM6T	9.525	12.70	10.31	49.23	25.40	18.26	31.75	3/8-24	6	17.416	51
JM7T	11.113	14.27	11.10	53.98	28.58	20.62	34.93	7/16-20	7	18.759	73
JM8T	12.70	15.88	12.70	61.93	33.32	23.8	38.10	1/2-20	6	29.624	113
JM10T	15.875	19.05	14.27	66.68	38.10	28.58	41.28	5/8-18	8	32.752	173
JM12T	19.05	22.23	17.45	73.03	44.45	33.32	44.45	3/4-16	7	51.237	273
JM14T	22.225	22.23	19.43	85.73	50.80	34.93	50.80	7/8-14	3.5	82.185	411
JM16	25.40	34.93	25.40	104.78	69.85	47.63	53.98	1 1/4-12	8.5	193.670	1091

备注(Tips):
1.若是左旋螺纹, 轴承型号需加 "L", 例如: JML 10T
For left-hand thread,please add suffix"L",e.g.JML 10T.
2.英制系列
In inch dimension series.

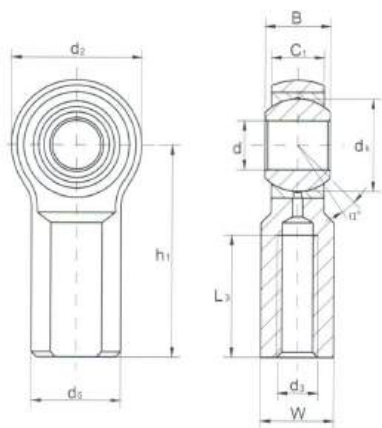
杆端关节轴承
Rod ends JFX

Maintenance free

杆端体带有左旋或右旋的内螺纹
Rod body with right or left-hand female thread.
由杆端体和向自润滑向心关节轴承S组成
Composed of rod end body and self-lubricating radial spherical plain
杆端体表面镀锌
Surface of rod body zinc plated.



滑动摩擦副： Sliding Contact Pair:	钢/PTFE复合材料 Steel/PTFE Composite
杆端体材料： Rod End Body Material:	合金钢，环保镀锌 Alloy Steel, Environmental Zinc Plated
外圈材料： Outer Ring Material:	合金钢 Alloy Steel
钢球： Ball:	轴承钢，热处理 硬度HRC58-62，镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions											负荷 kN Load Ratings	重量g Weight
	d	B	C1	h1	d2	d5	W	dk	L3 min	d3 2B	$\alpha \approx$		
JFX3	4.826	7.92	6.35	26.97	15.88	10.31	7.92	11.10	14.27	10-32	6.5	6.805	17
JFX4	6.350	9.53	7.14	33.32	19.05	11.91	9.53	12.70	19.05	¹ / ₄ -28	8	11.297	27
JFX5	7.938	11.10	8.74	34.93	22.23	12.70	11.10	15.88	19.05	⁵ / ₁₆ -24	7	13.934	42
JFX6	9.525	12.70	10.31	41.28	25.40	17.45	14.27	18.26	23.80	³ / ₈ -24	6	17.416	69
JFX7	11.113	14.27	11.10	46.02	28.58	19.05	15.88	20.62	26.97	⁷ / ₁₆ -20	7	18.759	90
JFX8	12.70	15.88	12.70	53.98	33.32	22.23	19.05	23.80	30.15	¹ / ₂ -20	6	29.624	149
JFX10	15.875	19.05	14.27	63.50	38.10	25.40	22.23	28.58	38.10	⁵ / ₈ -18	8	32.752	216
JFX12	19.05	22.23	17.45	73.03	44.45	28.58	25.40	33.32	44.45	³ / ₄ -16	7	51.237	328
JFX14	22.225	22.23	19.43	85.73	50.80	33.02	28.58	34.93	47.63	⁷ / ₈ -14	3.5	82.185	467
JFX16	25.40	34.93	25.40	104.78	69.85	41.28	38.10	47.63	53.98	1 ¹ / ₄ -12	8.5	193.670	964

备注(Tips):

- 1.若是左旋螺纹，轴承型号需加“L”，例如：JFX 10L
For left-hand thread,please add suffix“L”,e.g.JFX 10L.
- 2.英制系列，用于高负荷结构
In inch dimension series,suitable for high-load structural applications

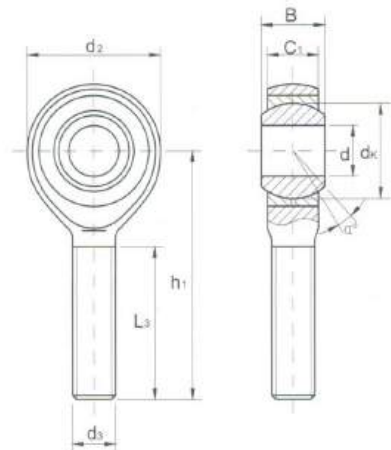
杆端关节轴承
Rod ends JMX

Maintenance free

杆端体带有左旋或右旋的外螺纹
Rod body with right or left-hand male thread
由杆端体和向自润滑向心关节轴承S组成
Composed of rod end body and self-lubricating radial spherical plain.
杆端体表面镀锌
Surface of rod body zinc plated.



滑动摩擦副： Sliding Contact Pair:	钢/PTFE复合材料 Steel/PTFE Composite
杆端体材料： Rod End Body Material:	合金钢，环保镀锌 Alloy Steel, Environmental Zinc Plated
外圈材料： Outer Ring Material:	碳钢 Carbon Steel
钢球： Ball:	轴承钢，热处理 硬度HRC58-62，镀硬铬 Bearing Steel,Heat Treatment, Hardness HRC 58-62, Hard Chromium Plated



轴承型号 Bearing number	外形尺寸 Dimensions									负荷 kN Load Ratings	重量g Weight
	d	B	C ₁	h ₁	d ₂	d _k	L ₃ min	d ₃ 3A	α ≈		
JMX3	4.826	7.92	6.35	31.75	15.88	11.10	19.05	10-32	6.5	5.197	13
JMX4	6.350	9.53	7.14	39.67	19.05	12.70	25.40	¹ / ₄ -28	8	9.600	20
JMX5	7.938	11.10	8.74	47.63	22.23	15.88	31.75	⁵ / ₁₆ -24	7	12.385	33
JMX6	9.525	12.70	10.31	49.23	25.40	18.26	31.75	³ / ₈ -24	6	17.416	51
JMX7	11.113	14.27	11.10	53.98	28.58	20.62	34.93	⁷ / ₁₆ -20	7	18.759	73
JMX8	12.70	15.88	12.70	61.93	33.32	23.8	38.10	¹ / ₂ -20	6	29.624	113
JMX10	15.875	19.05	14.27	66.68	38.10	28.58	41.28	⁵ / ₈ -18	8	32.752	173
JMX12	19.05	22.23	17.45	73.03	44.45	33.32	44.45	³ / ₄ -16	7	51.237	273
JMX14	22.225	22.23	19.43	85.73	50.80	34.93	50.80	⁷ / ₈ -14	3.5	82.185	411
JMX16	25.40	34.93	25.40	104.78	69.85	47.63	53.98	1 ¹ / ₄ -12	8.5	193.670	1091

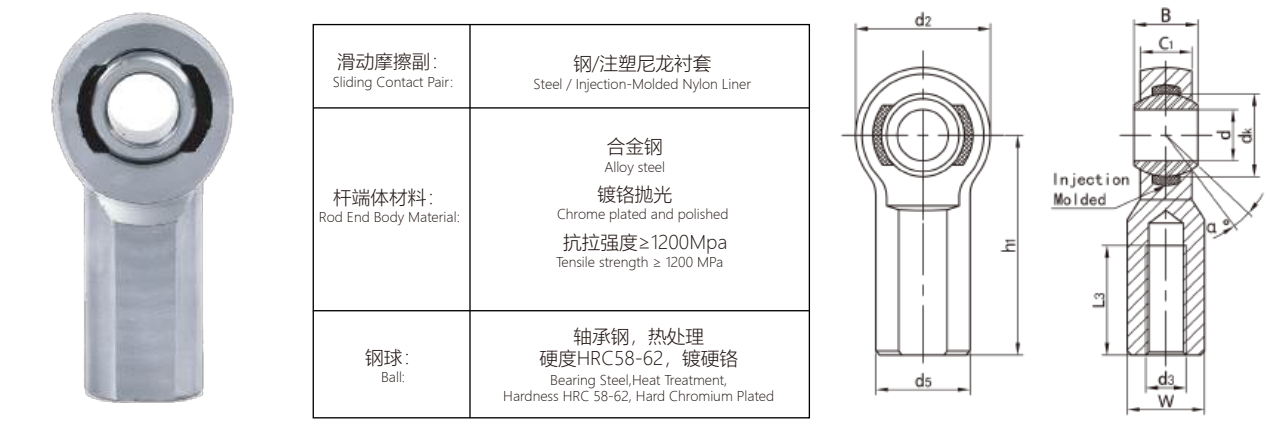
备注(Tips):

- 1.若是左旋螺纹，轴承型号需加“L”，例如：JMX 10L
For left-hand thread,please add suffix“L”,e.g.JMX 10L.
- 2.英制系列，用于高负荷结构
In inch dimension series,suitable for high-load structural applications

杆端关节轴承
Rod ends KFX

Maintenance free

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
钢球由注塑尼龙衬套包裹，压入杆端体
The steel ball is encased in an injection-molded nylon liner and press-fitted into the rod end body.
适用于高载荷，高频率摆动和冲击
Suitable for high load, high-frequency oscillation, and impact applications.



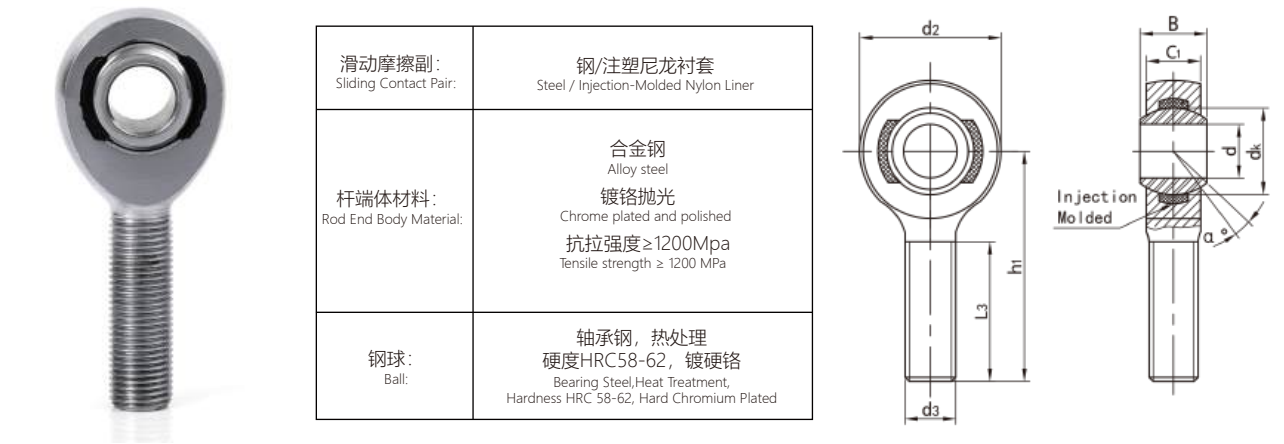
轴承型号 Bearing number	外形尺寸 Dimensions											负荷 kN Load Ratings	重量g Weight
	d	B	C1	h1	d2	d5	W	dk	L3 min	d3	α $\approx$		
KFX3	4.826	7.920	6.350	26.970	15.880	10.310	7.920	11.100	14.270	10-32	13	16.500	17
KFX4	6.350	9.530	7.140	33.320	19.050	11.910	9.530	12.700	19.050	$1\frac{1}{4}$ -28	16	27.400	27
KFX5	7.938	11.100	8.740	34.930	22.230	12.700	11.100	15.880	19.050	$5\frac{16}{16}$ -24	14	33.650	42
KFX6	9.525	12.700	10.310	41.280	25.400	17.450	14.270	18.260	23.800	$3\frac{8}{8}$ -24	12	42.060	69
KFX7	11.113	14.270	11.100	46.020	28.580	19.050	15.880	20.620	26.970	$7\frac{16}{16}$ -20	14	45.600	90
KFX8	12.700	15.880	12.700	53.980	33.320	22.230	19.050	23.800	30.150	$1\frac{2}{2}$ -20	12	67.920	149
KFX10	15.875	19.050	14.270	63.500	38.100	25.400	28.580	28.580	38.100	$5\frac{8}{8}$ -18	16	79.520	216
KFX12	19.050	22.230	17.450	73.030	44.450	28.580	25.400	33.320	44.450	$3\frac{4}{4}$ -16	14	124.420	328
KFX14	22.225	22.230	19.430	85.730	50.800	33.020	28.580	34.930	47.630	$7\frac{8}{8}$ -14	12	199.260	467
KFX16	25.400	34.930	25.400	104.780	69.850	41.280	38.100	47.630	53.980	$1\frac{1}{4}$ -12	17	337.400	964

备注(Tips):
1.若是左旋螺纹，轴承型号需加“L”，例如：KFX 10L
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., KFX 10L.
2.英制系列
In inch dimension series.

杆端关节轴承
Rod ends KMX

Maintenance free

杆端体带有左旋或者右旋的内螺纹
The rod end body is equipped with left-hand (LH) or right-hand (RH) internal threads.
钢球由注塑尼龙衬套包裹，压入杆端体
The steel ball is encased in an injection-molded nylon liner and press-fitted into the rod end body.
适用于高载荷，高频率摆动和冲击
Suitable for high load, high-frequency oscillation, and impact applications.



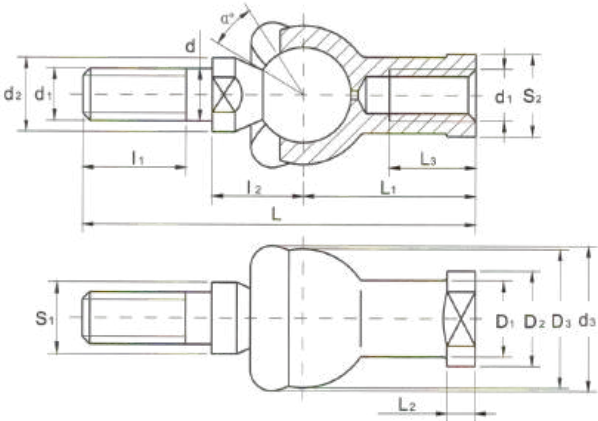
轴承型号 Bearing number	外形尺寸 Dimensions									负荷 kN Load Ratings	重量g Weight
	d	B	C ₁	h ₁	d ₂	d _k	L ₃	d ₃	α ≈		
KMX3	4.826	7.920	6.350	31.750	15.880	11.100	19.050	10-32	13	12.600	13
KMX4	6.350	9.530	7.140	39.670	19.050	12.700	25.400	¹ / ₄ -28	16	23.300	20
KMX5	7.938	11.100	8.740	47.630	22.230	15.880	31.750	⁵ / ₁₆ -24	14	33.650	33
KMX6	9.525	12.700	10.310	49.230	25.400	18.260	31.750	³ / ₈ -24	12	42.060	51
KMX7	11.113	14.270	11.100	53.980	28.580	20.620	34.930	⁷ / ₁₆ -20	14	45.610	73
KMX8	12.700	15.880	12.700	61.930	33.320	23.800	38.100	¹ / ₂ -20	12	71.910	113
KMX10	15.875	19.050	14.270	66.680	38.100	28.580	41.280	⁵ / ₈ -18	16	79.520	173
KMX12	19.050	22.230	17.450	73.030	44.450	33.320	44.450	³ / ₄ -16	14	124.330	273
KMX14	22.225	22.230	19.430	85.730	50.800	34.930	50.800	⁷ / ₈ -14	12	199.260	411
KMX16	25.400	34.930	25.400	104.780	69.850	47.630	53.980	1 ¹ / ₄ -12	17	337.410	1091

备注(Tips):
1.若是左旋螺纹，轴承型号需加“L”，例如：KMX 10L
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., KMX 10L.
2.英制系列
In inch dimension series.

球头杆端关节轴承
Ball joints SQZ..RS

Straight joint

球头座带有左旋或右旋的螺纹
Ball joint housing with right or left hand thread
球头座有锌基合金制成
The spherical head housing is made of zinc-based alloy.
带橡胶密封圈
Equipped with rubber seals



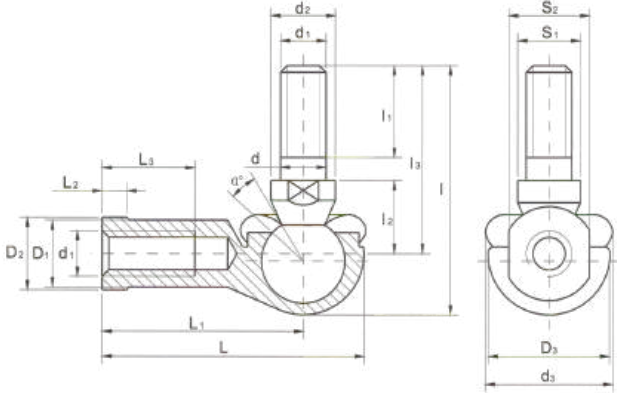
轴承型号 Bearing number	外形尺寸 Dimensions																负荷 kN Load Ratings	重量 g Weight
	d	d ₁	d ₂	d ₃	l ₁	l ₂	S ₁	L	L ₁	L ₂	L ₃	D ₁	D ₂	D ₃	S ₂	α		
SQZ 5RS	5	M5×0.8	9	20	8	11	7	46	24	4	12	9	11	17	9	15	2.8	25
SQZ 6RS	6	M6×1.0	10	20	11	12.2	8	55.2	28	5	15	10	13	20	11	15	3.7	41
SQZ 8RS	8	M8×1.25	12	24	12	16	10	65	32	5	16	12.5	16	24	14	15	5.8	75
SQZ 10RS	10	M10×1.25	14	30	15	19.5	11	74.5	35	6.5	18	15	19	28	17	15	8.4	120
SQZ 10RS-1	10	M10×1.5	14	30	21	19.5	11	80.5	35	6.5	18	15	19	28	17	15	8.4	120
SQZ 12RS	12	M12×1.25	17	32	17	21	15	84	40	6.5	20	17.5	22	32	19	15	11	180
SQZ 12RS-1	12	M12×1.75	17	32	24	21	15	91	40	6.5	20	17.5	22	32	19	15	11	180
SQZ 14RS	14	M14×1.5	19	38	22	23.5	17	103	45	8	25	20	25	36	22	11	15	270
SQZ 14RS-1	14	M14×2.0	19	38	28	23.5	17	109	45	8	25	20	25	36	22	11	15	270
SQZ 16RS	16	M16×1.5	22	44	23	25.5	19	112	50	8	27	22	27	40	22	11	15	360
SQZ 16RS-1	16	M16×2.0	22	44	29	25.5	19	118	50	8	27	22	27	40	22	11	15	360
SQZ 18RS	18	M18×1.5	23	45	25	31	20	130.5	58	10	32	25	31	45	27	11	19	540
SQZ 20RS	20	M20×1.5	27	50	25	29	24	133	63	10	38	27.5	34	45	30	7.5	19	570
SQZ 22RS	22	M22×1.5	27	52	26	33	24	145	70	12	43	30	37	50	32	7.5	23	750

备注(Tips):
1.球头座杆螺纹若是左旋， 轴承型号需加 “L” ， 例如： SQZL 6RS.
If the spherical head housing has a left-hand thread, the bearing designation must include the letter “L”, e.g., SQZL 6RS.
2.不带密封罩产品型号为SQZ...
For products without a seal cover, the model designation is SQZ...

球头杆端关节轴承
Ball joints SQ..RS

Angle joint

球头座带有左旋或右旋的螺纹
Ball joint housing with right or left hand thread
球头座有锌基合金制成
The spherical head housing is made of zinc-based alloy.
带橡胶密封圈
Equipped with rubber seals



轴承型号 Bearing number	外形尺寸 Dimensions																		负荷 kN Load Ratings	重量 g Weight
	d	d ₁	d ₂	d ₃	l	l _{1 min}	l ₂	l ₃	S ₁	L	L ₁	L ₂	L _{3 min}	D ₁	D ₂	D ₃	S ₂	α		
SQ 5RS	5	M5×0.8	9	19	29	8	10	21	7	35	27	4	14	9	11	16	9	25	2.2	26
SQ 6RS	6	M6×1.0	10	20	35.5	11	11	26	8	40	30	5	14	10	13	19	11	25	3.5	39
SQ 8RS	8	M8×1.25	12	24	42.5	12	14	31	10	48	36	5	17	12.5	16	23	14	25	6.6	68
SQ 10RS	10	M10×1.25	14	30	50.5	15	17	37	11	57	43	6.5	21	15	19	27	17	25	10	112
SQ 10RS-1	10	M10×1.5	14	30	56.5	21	17	43	11	57	43	6.5	21	15	19	27	17	25	10	112
SQ 12RS	12	M12×1.25	17	32	57.5	17	19	42	15	66	50	6.5	25	17.5	22	31	19	25	16	164
SQ 12RS-1	12	M12×1.75	17	32	64.5	24	19	49	15	66	50	6.5	25	17.5	22	31	19	25	16	164
SQ 14RS	14	M14×1.5	19	38	73.5	22	21.5	56	17	75	57	8	26	20	25	35	22	25	19	254
SQ 14RS-1	14	M14×2.0	19	38	79.5	28	21.5	62	17	75	57	8	26	20	25	35	22	25	19	254
SQ 16RS	16	M16×1.5	22	44	79.5	23	23.5	60	19	84	64	8	32	22	27	39	22	20	26	336
SQ 16RS-1	16	M16×2.0	22	44	85.5	29	23.5	66	19	84	64	8	32	22	27	39	22	20	26	336
SQ 18RS	18	M18×1.5	23	45	90	25	26.5	68	20	93	71	10	34	25	31	44	27	20	33	464
SQ 20RS	20	M20×1.5	27	50	90	25	27	68	24	99	77	10	35	27.5	34	44	30	20	45	538
SQ 22RS	22	M22×1.5	27	52	95	26	28	70	24	109	84	12	41	30	37	50	32	16	48	713

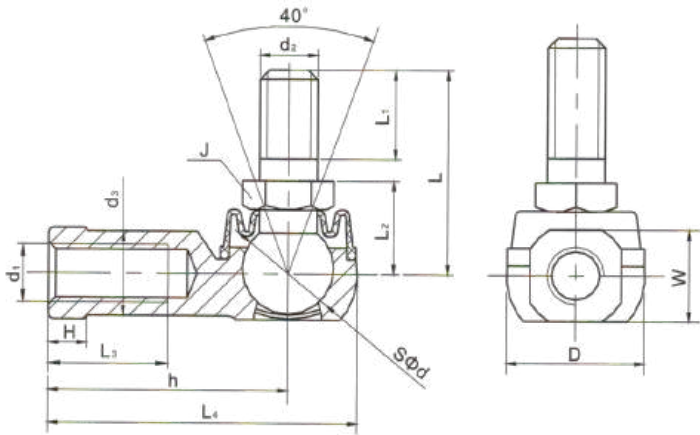
备注(Tips):
1.球头座杆螺纹若是左旋， 轴承型号需加 “L” ， 例如： SQL 6RS.
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., SQL 6RS.
2.不带密封罩产品型号为SQ...
For products without a seal cover, the model designation is SQ...

球头杆端关节轴承
Ball joints BL..D



Angle joint

球头座带有左旋或右旋的螺纹
Ball joint housing with right or left hand thread
球头座由锌基合金压铸制成
The spherical head housing is die-cast from zinc-based alloy.

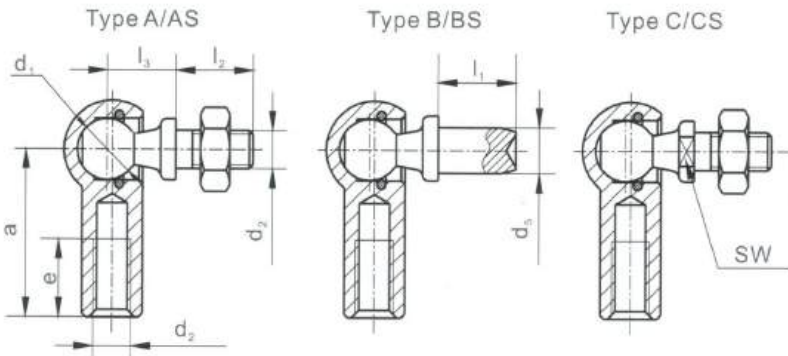


轴承型号 Bearing number	外形尺寸 Dimensions														负荷 kN Load Ratings	重量 g Weight
	d1 6H	d2 6g	d3	L1 min	L2	L	L3 min	L4	h	H	W	D	J	SΦd		
BL 6 D	M6×1.0	M6×1.0	10	11	11	26	16	38	30	5	11	16	10	11.11	9.9	37
BL 8 D	M8×1.25	M8×1.25	13	12	14	31	19	45.5	36	6	14	19	12	12.7	12.5	66
BL 10 DB	M10×1.5	M10×1.5	14.5	21	17	43	23	55.5	43	7	17	25	14	15.88	18.3	110
BL 10 D	M10×1.25	M10×1.25	14.5	15	17	37	23	55.5	43	7	17	25	14	15.88	18.3	110
BL 12 DB	M12×1.75	M12×1.75	17.5	24	19	49	26	64.5	50	8	19	29	17	19.05	26.7	160
BL 12 D	M12×1.25	M12×1.25	17.5	17	19	42	26	64.5	50	8	19	29	17	19.05	26.7	160
BL 16 DB	M16×2.0	M16×2.0	22	29	23.5	66	34	83	64	11	24	38	22	22.23	36.4	330
BL 16 D	M16×1.5	M16×1.5	22	23	23.5	60	34	83	64	11	24	38	22	22.23	36.4	330

备注(Tips):
1.球头座杆螺纹若是左旋, 轴承型号需加 "L", 例如: BL 8 DL.
If the thread is left-hand (LH), the letter "L" must be appended to the bearing designation, e.g., BL 8 DL..
2.带橡胶密封圈
Equipped with rubber seals

Angle joint, clip locking

球头杆端关节轴承
Ball joints DIN71802

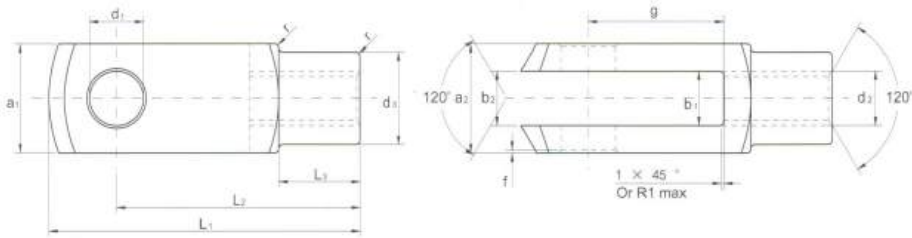


球头螺栓 Ball stud	中碳钢 45 Medium carbon steel 45
球座 Ball socket	低碳钢 Q235A Low carbon steel Q235A
卡环及安全夹 Snap ring and safety clip	弹簧钢 镀锌 Spring steel.Zinc plating

外形尺寸 Dimensions									重量g Weight	
d1 h9	d2	l2 ±0.3	l3 ±0.3	e min.	d5 h11	l1 ±0.2	a ±0.3	SW h14	A and AS C and CS	B and BS
8	M 5	10.2	9	10.2	5	4.0 7.5	22	7	1520	1285 1335
10	M 6	12.5	11	11.5	6	4.5 8.0	25	8	2520	2130 2200
13	M 8	16.5	13	14.0	8	5.0 10	30	11	5310	4310 4500
16	M 10 M 10	20.0	16	15.5	10	6.0 13	35	13	1038	8230 8660
19	M 14 × 1.5 M 14 × 2 M 16	28.0	20	21.5	14	12 18	45	16	2209	1810 1887

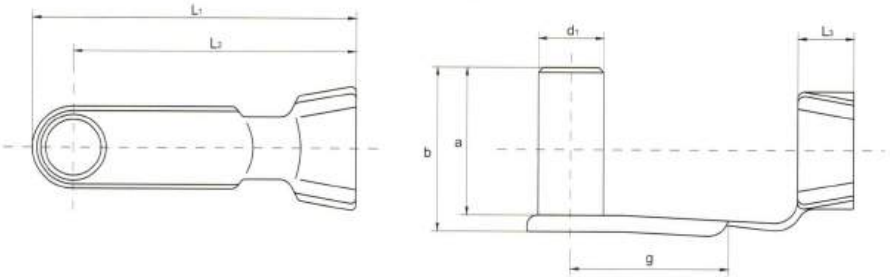
备注(Tips):
1.A、B、C 型球头, 球座无安全夹;AS、BS、CS 型球头, 球座带安全夹
Type A、B、C without safety clip on the ball socket
Type AS、BS、CS with safety clip on the ball socket.
2.C、CS 型球头螺栓, 带扳手面
Ball stud of Type C、CS with spanner surface.
3.可选左旋螺纹球头
Alternative left-hand thread for the ball socket.
4.根据需要, 球头可选择带扳手面或不带扳手面, 或带六角面
Ball socket with or without spanner surface or hexagon surface as required .
5.根据需要, 球头螺栓可选择带密封帽或不带密封帽
Ball stud with or without sealing cap as required.
6.根据需要, 球头螺栓可选择带螺母或不带螺母
Ball stud with or without nut as required.
7.可选不锈钢 304、不锈钢 303 或不锈钢 316。
Alternative stainless steel 304, stainless steel 303 or stainless steel 316.

U型件
Clevises



型号 Number	外形尺寸 Dimensions													重量g Weight
	d1 H9	g ±0.5	a1 h11	a2 +0.50 -0.50	b1 B13	b2	d2	d3 ±0.3	f ±0.2	L1 ±0.5	L2	L3 ±0.3	r ±0.5	
G 4×8	4	8	8	8	4	4 ^{+0.33 +0.15}	M4×0.7	8	0.5	21	16±0.3	6	0.5	5
G 4×16	4	16	8	8	4	4 ^{+0.33 +0.15}	M4×0.7	8	0.5	29	24±0.3	6	0.5	7
G 5×10	5	10	10	10	5	4 ^{+0.33 +0.15}	M5×0.8	9	0.5	26	20±0.3	7.5	0.5	9
G 5×20	5	20	10	10	5	5 ^{+0.33 +0.15}	M5×0.8	9	0.5	36	30±0.3	7.5	0.5	13
G 6×12	6	12	12	12	6	6 ^{+0.33 +0.15}	M6×1.0	10	0.5	31	24±0.3	9	0.5	15
G 6×24	6	24	12	12	6	6 ^{+0.33 +0.15}	M6×1.0	10	0.5	43	36±0.4	9	0.5	21
G 8×16	8	16	16	16	8	8 ^{+0.33 +0.15}	M8×1.25	14	0.5	42	32±0.4	12	0.5	37
G 8×16FG	8	16	16	16	8	8 ^{+0.33 +0.15}	M8×1.0	14	0.5	42	32±0.4	12	0.5	37
G 8×32	8	32	16	16	8	8 ^{+0.33 +0.15}	M8×1.25	14	0.5	58	48±0.4	12	0.5	54
G 8×32FG	8	32	16	16	8	8 ^{+0.33 +0.15}	M8×1.0	14	0.5	58	48±0.4	12	0.5	54
G 10×20	10	20	20	20	10	10 ^{+0.33 +0.15}	M10×1.5	18	0.5	52	40±0.4	15	0.5	74
G 10×20FG	10	20	20	20	10	10 ^{+0.33 +0.15}	M10×1.25	18	0.5	52	40±0.4	15	0.5	74
G 10×40	10	40	20	20	10	10 ^{+0.70 +0.15}	M10×1.5	18	0.5	72	60±0.4	15	0.5	116
G 10×40FG	10	40	20	20	10	10 ^{+0.70 +0.15}	M10×1.25	18	0.5	72	60±0.4	15	0.5	116
G 12×24	12	24	24	24	12	12 ^{+0.70 +0.15}	M12×1.75	20	0.5	62	48±0.4	18	0.5	121
G 12×24FG	12	24	24	24	12	12 ^{+0.70 +0.15}	M12×1.25	20	0.5	62	48±0.4	18	0.5	121
G 12×48	12	48	24	24	12	12 ^{+0.70 +0.15}	M12×1.75	20	0.5	86	72±0.4	18	0.5	175
G 12×48FG	12	48	24	24	12	12 ^{+0.70 +0.15}	M12×1.25	20	0.5	86	72±0.4	18	0.5	175
G 14×28	14	28	27	27	14	14 ^{+0.70 +0.15}	M14×2.0	24	1.0	72	56±0.4	22.5	1.0	178
G 14×28FG	14	28	27	27	14	14 ^{+0.70 +0.15}	M14×1.5	24	1.0	72	56±0.4	22.5	1.0	178
G 14×56	14	56	27	27	14	14 ^{+0.70 +0.15}	M14×2.0	24	1.0	101	85±0.4	22.5	1.0	258
G 14×56FG	14	56	27	27	14	14 ^{+0.70 +0.15}	M14×1.5	24	1.0	101	85±0.4	22.5	1.0	258
G 16×32	16	32	32	32	16	16 ^{+0.70 +0.15}	M16×2.0	26	1.0	83	64±0.4	24	1.0	282
G 16×32FG	16	32	32	32	16	16 ^{+0.70 +0.15}	M16×1.5	26	1.0	83	64±0.4	24	1.0	282
G 16×64	16	64	32	32	16	16 ^{+0.70 +0.15}	M16×2.0	26	1.0	115	96±0.4	24	1.0	411
G 16×64FG	16	64	32	32	16	16 ^{+0.70 +0.15}	M16×1.5	26	1.0	115	96±0.4	24	1.0	411

弹簧卡销
Folding spring bolts FKB



型号 Number	适用U形件 Suitable for clevises	外形尺寸 Dimensions							重量g Weight
		d1 h11	g	a	b	L1 ≈	L2 ≈	L3 ≈	
FKB 4×8	G 4×8	4	8	9.5	11	19	15	4.5	15
FKB 5×10	G 5×10	5	10	12	13.5	23	19	5.5	25
FKB 5×20	G 5×20	5	20	12	13.5	33	29	5.5	31
FKB 6×12	G 6×12	6	12	14	16	28	23	6.5	46
FKB 6×24	G 6×24	6	24	14	16	40	35	6.5	52
FKB 8×16	G 8×16	8	16	19	21.5	37	30	8	106
FKB 8×32	G 8×32	8	32	19	21.5	52	46	8	116
FKB 10×20	G 10×20	10	20	23	26	46	38	10	194
FKB 10×40	G 10×40	10	40	23	26	66	58	10	205
FKB 12×24	G 12×24	12	24	28	31	53	45	12	331
FKB 12×48	G 12×48	12	48	28	31	78	69	12	350
FKB 14×28	G 14×28	14	28	31	34	62	52	14	472
FKB 14×56	G 14×56	14	56	31	34	92	82	14	508
FKB 16×32	G 16×32	16	32	36	39	73	62	16	694
FKB 16×64	G 16×64	16	64	36	39	103	92	16	744
FKB 20×40	G 20×40	20	40	45	50	87.5	71.5	16	1300