JK2



WITH CLAMPING HUB
带夹紧轴套

Nominal Torque: 15–10,000 Nm · 额定扭矩: 15–10,000 Nm

Keyway Option 可选键槽:
Optional keyway acc. to DIN 6885 available upon request.
可根据要求提供符合 DIN 6885 标准的键槽加工。

TECHNICAL CHARACTERISTICS 技术特性

FEATURES 特点

- **Quick and secure radial clamping screw installation**
  径向夹紧螺钉锁紧，易于安装
- **Dual-bolt clamping system for Size 800 and above**
  规格800及以上配备双螺栓强力夹紧系统
- **Lightweight design with low moment of inertia**
  轻量化设计，低转动惯量

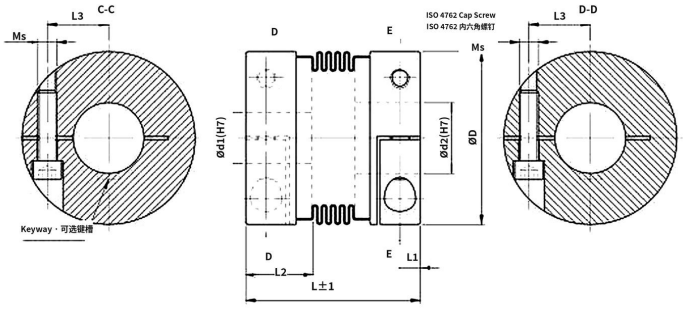
MATERIAL 材料

- **Bellows: high-grade stainless steel**
  波纹管: 高性能不锈钢
- **Clamping hubs: see specification table (Al / Steel)**
  夹紧轴套: 见参数表（铝 / 钢）

DESIGN 结构设计

Two radial clamping hubs concentrically mounted to the flexible metal bellows. Short-term peak overloads of up to 1.5x the nominal torque (T_{KN}) are permissible.

两端夹紧轴套与金属波纹管同心安装，可承受高达1.5倍额定扭矩（T_{KN}）的瞬时过载。



Model JK2 · JK2型 — Technical Specifications & Dimensions 技术参数表

MODEL SIZE 规格	Symbol 代号/单位	15	30	60	80	150	200	300	500	800	1500	4000	6000	10000
Nominal Torque 额定扭矩	T_{KN} [Nm]	15	30	60	80	150	200	300	500	800	1500	4000	6000	10000
Overall Length 总长度	L [mm]	59 | 66 | 99	69 | 77 | 113	83 | 93 | 130	94 | 106 | 143	95 | 107 | 144	105 | 117 | 163	111 | 125 | 200	133 | 146 | 169	140 | 179	166 | 230	225	252	288
Bellows Outside Diameter 波纹管外径	D [mm]	49	55	66	81	81	90	110	124	134	157	200	253	303
Hub Fit Length 轴套配合长度	L2 [mm]	22	27	31	36	36	41	43	51	45	55	85	107	129
Bore Diameter Range (H7) 内孔径范围 (H7)	d1 [mm]	8–28	10–30	12–35	14–42	19–42	22–45	24–60	35–60	40–75	50–80	50–90	60–140	70–180
Bore Diameter Range (H7) 内孔径范围 (H7)	d2 [mm]	8–28	10–30	12–35	14–42	19–42	22–45	24–60	35–60	40–75	50–80	50–90	60–140	70–180
Clamping Screw (ISO 4762) 夹紧螺钉 (ISO 4762)	Ms	M5	M6	M8	M10	M10	M12	M12	M16	2xM16	2xM20	2xM24	2xM24	2xM30
Screw Tightening Torque 螺钉锁紧扭矩	T_A [Nm]	8	15	40	50	70	120	130	200	250	470	1200	1200	2400
Clamping Screw Offset 螺钉孔中心距	L3 [mm]	17	19	23	27	27	31	39	41	2×48	2×55	2×65	2×90	2×117
Screw Edge Distance 螺钉孔边距	L1 [mm]	6.5	7.5	9.5	11	11	12.5	13	16.5	18	22.5	28	35	42
Moment of Inertia (10^{-3} kg·m²) 转动惯量 (10^{-3} kg·m²)	J	0.06 | 0.07 | 0.08	0.12 | 0.13 | 0.14	0.32 | 0.35 | 0.4	0.8 | 0.85 | 0.9	1.9 | 2 | 2.1	3.2 | 3.4 | 3.6	7.6 | 7.9 | 8.3	14.3 | 14.6 | 14.8	16.2 | 17	43 | 45	165	495	1214
Hub Material (Std./Opt.) 轴套材料 (标准/可选)		Al/St 铝或钢	Al/St 铝或钢	Al/St 铝或钢	Al/St 铝或钢	St/Al 钢或铝	St/Al 钢或铝	St/Al 钢或铝	St/Al 钢或铝	Steel 钢	Steel 钢	Steel 钢	Steel 钢	Steel 钢
Approx. Weight 近似重量	m [kg]	0.18	0.28	0.49	0.8	1.86	2.66	4	5.8	6.4	11.6	28.8	49.5	81
Torsional Stiffness (10^3 Nm/rad) 抗扭刚度 (10^3 Nm/rad)	C_T	20 | 15 | 14	39 | 28 | 27	76 | 55 | 54	129 | 85 | 84	175 | 110 | 97	191 | 140 | 135	450 | 350 | 340	510 | 500 | 400	780 | 711	1304 | 1180	3400	5700	10950
Max. Axial Misalignment 最大允许轴向偏差	ΔK_a [±mm]	1 | 2 | 3	1 | 2 | 3	1.5 | 2 | 3	2 | 3 | 4	2 | 3 | 4	2 | 3 | 4	2.5 | 3.5 | 4.5	2.5 | 3.5 | 4.5	3.5 | 4.5	3.5 | 4.5	3.5	3	3
Max. Lateral Misalignment 最大允许径向偏差	ΔK_r [±mm]	0.15 | 0.2 | 1	0.2 | 0.25 | 1	0.2 | 0.25 | 1	0.2 | 0.25 | 1	0.2 | 0.25 | 1	0.25 | 0.3 | 1	0.25 | 0.3 | 1	0.3 | 0.35 | 1	0.35 | 1	0.35 | 1	0.4	0.4	0.4
Max. Angular Misalignment 最大允许角向偏差	ΔK_w [±°]	1 | 1.5 | 2	1 | 1.5 | 2	1 | 1.5 | 2	1 | 1.5 | 2	1 | 1.5 | 2	1 | 1.5 | 2	1 | 1.5 | 2	1 | 1.5 | 2	1.5 | 2	1.5 | 2	1.5	1.5	1.5
Axial Spring Rate 轴向弹簧刚度	C_a [N/mm]	25 | 15 | 84	50 | 30 | 118	72 | 48 | 165	48 | 32 | 144	82 | 52 | 130	90 | 60 | 280	105 | 71 | 605	70 | 48 | 85	100 | 285	320 | 440	565	1030	985
Lateral Spring Rate 径向弹簧刚度	C_r [N/mm]	475 | 137 | 140	900 | 270 | 224	1200 | 420 | 337	920 | 290 | 401	1500 | 435 | 500	2040 | 610 | 750	3750 | 1050 | 1200	2500 | 840 | 614	2000 | 1490	3600 | 1700	6070	19200	21800