

SK3

With conical clamping system

5 – 2,800 Nm



Features

- High clamping pressure
- Compensation for shaft misalignment
- Adjustable torque settings

Material

- **Bellows:** high grade stainless steel
- **Torque limiter element:** hardened steel
- **Clamping hubs / bushings:** steel

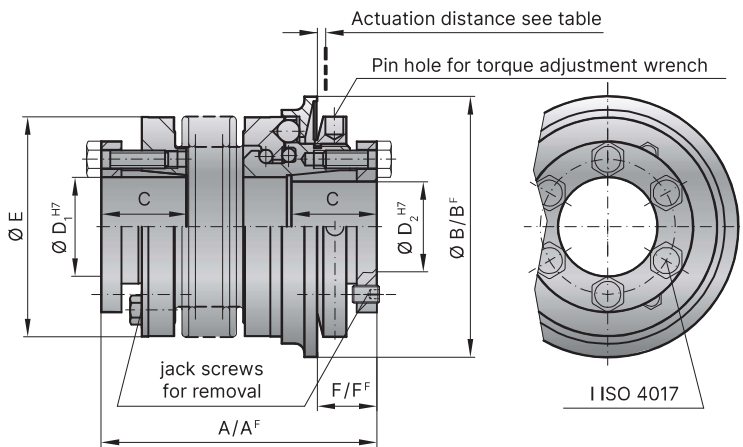
Design

Two conical clamping assemblies with six tightening screws each,

plus jack screws for removal. Torque limiter system : spring loaded ball-detent principle. Operable temperature range from -30°C to +100°C.

Available function systems

- W = Single position / automatic re-engagement (standard)
- D = Multi-position / automatic re-engagement
- G = Load holding / load blocking
- F = Full disengagement / manual re-engagement



Model SK3

Size		15	30	60	150	200	300	500	800	1,500	2,500
Adjustment range available from (approx. values) (Nm)	T _{KN}	5-10 or 8-20	10-25 or 20-40	10-30 or 25-80	20-70 45-150 80-200	30-90 60-160 140-280	100-200 150-240 220-400	80-200 200-350 300-500	400-650 500-800 600-900	650-850 700-1,200 1,000-1,800	1,500-2,000 2,000-2,500 2,300-2,800
Adjustment range available from (approx. values) ("F" Version) (Nm)	T _{KN}	7-15	8-20 or 16-30	20-40 or 30-60	20-60 40-80 80-150	80-140 or 130-200	120-180 or 160-300	60-150 100-300 250-500	200-400 or 450-800	1,000-1,250 or 1,250-1,500	1,400-2,200 or 1,800-2,700
Overall length ±2 (mm)	A	62 69	72 80	84 94	93 105	99 111	114 128	123 136	151	175	246
Overall length ("F" Version) ±2 (mm)	A ^F	62 69	72 80	84 94	93 105	102 114	117 131	127 140	151	184	252
Actuation ring Ø (mm)	B	55	65	73	92	99	120	135	152	174	243
Actuation ring Ø, ("F" Version) (mm)	B ^F	62	70	83	98	117	132	155	177	187	258
Clamping fit length (mm)	C	19	22	27	32	32	41	41	49	61	80
Inner diameter from Ø to Ø H7 (mm)	D ₁ /D ₂	10-22	12-23	12-29	15-37	20-44	25-56	25-56	30-60	35-70	50-100
Outside diameter of coupling (mm)	E	49	55	66	81	90	110	123	133	157	200
Distance (mm)	F	13	16	18	19	19	23	25	31	30	34
Distance ("F" Version) (mm)	F ^F	13	14	17	18	17	20	22	20	26	31
6x Screw ISO 4017	I	M4	M5	M5	M6	M6	M8	M8	M10	M12	M16
Tightening torque (Nm)		4	6	8	12	14	18	25	40	70	120
Approx. weight (kg)		0.3	0.4	1.2	2.3	3.0	5.0	6.5	9.0	16.3	35
Moment of inertia (10 ⁻³ kgm ²)	J _{ges}	0.10 0.15	0.28 0.30	0.75 0.80	1.90 2.00	2.80 3.00	5.50 6.00	11.0 12.8	20	42	257
Lateral	max. values	0.15 0.20	0.20 0.25	0.20 0.25	0.20 0.25	0.25 0.30	0.25 0.30	0.30 0.35	0.35	0.35	0.35
Angular		1 1.5	1 1.5	1 1.5	1 1.5	1.5 2	1.5 2	2 2.5	2.5	2.5	2.5
Lateral spring stiffness		475 137	900 270	1,200 380	1,550 435	2,040 610	3,750 1,050	2,500 840	2,000	3,600	6,070
Actuation distance		1.5	1.5	1.7	1.9	2.2	2.2	2.2	2.2	3	3

A^F, B^F, L^F = Full disengagement / manual re-engagement version (F) Larger versions available upon request.