

SK3

WITH CONICAL CLAMPING BUSHING

5 - 2,800 Nm



ABOUT

MATERIAL

- ▶ **Bellows:** high grade stainless steel
- ▶ **Clutch system:** hardened steel
- ▶ **Clamping hubs / bushings:** steel

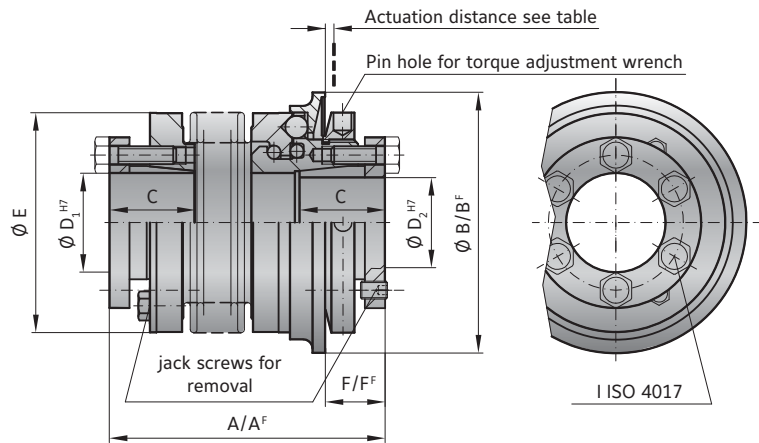
DESIGN

Two conical clamping assemblies with six tightening screws each, plus jack screws for removal. Clutch system: spring loaded ball-detent principle.

Operable temperature range from -30 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	1500	2500
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	650-850 700-1200 1000-1800	1500-2000 2000-2500 2300-2800
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	1000-1250 or 1250-1500	1400-2200 or 1800-2700
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
Inside diameter from Ø to Ø H7 (mm)	D ₁ /D ₂	10-22	12-23	12-29	15-37	20-44	25-56	25-60	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)	I	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
Torsional stiffness (10 ³ Nm/rad)	C _T	20 15	39 28	76 55	175 110	191 140	420 350	510 500	780	1304	3400
Lateral	C _T max.	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	C _T values	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	1200 380	1550 435	2040 610	3750 1050	2500 840	2000	3600	6070
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.

ORDERING EXAMPLE	SK3 SK5	60	84	D	16	19.05	25	10-30	XX
Model	●								
Size		●							
Overall length mm			●						
Function system				●					
Bore D1 H7					●				
Bore D2 H7						●			
Disengagement torque Nm							●		
Torque adjustment range Nm								●	

Special designation only (e.g. special bore / keyway dimensions).

For custom features place an XX at the end of the part number and describe the special requirements (e.g. SK3 / 60 / 84 / D / 16 / 19.05 / 25 / 10-30 / XX; XX=special 30 deg re-engagement angle)