

PROPERTIES

MATERIAL

- **Bellows:** high grade stainless steel
- **Clutch system:** hardened steel
- **Clamping hubs:** up to size 80 aluminum, size 150 and up steel
- **Tapered male segment:** high strength plastic

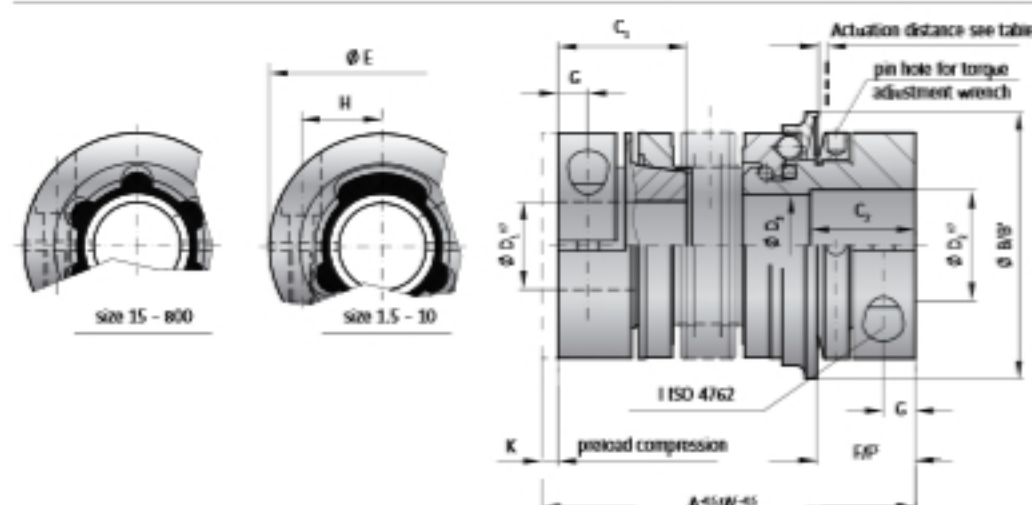
DESIGN

Two clamping hubs with one clamping screw each, and one of the clamping hubs with tapered male segment

for plug-in installation. 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 SK5

Size				1.5	2		4.5		10		15		30		60		80		150		300		500		800		
Adjustment range available from - to (approx. values)	(Nm)	T _{en}	0.1-0.6 0.4-1 0.8-1.5		0.2-1.5 or 0.5-2		1-3 or 3-6		2-6 or 4-12		5-10 or 8-20		10-25 or 20-40		10-30 or 25-80		20-70 or 30-90		20-70 or 45-150		100-200 150-240 200-320		80-200 200-350 300-500		400-650 500-800 650-850		
Adjustment range available from - to (approx. values) (*F* Version)	(Nm)		0.3-0.8 or 0.6-1.3		0.2-1 or 0.7-2		2.5-4.5		2-5 or 5-10		7-15		8-20 or 16-30		20-40 or 30-60		20-60 or 40-80		80-150		120-200 or 160-300		60-150 100-300 250-500		200-400 or 450-800		
Overall length +0.5	(mm)	A	44	48	54	60	68	70	79	76	83	89	97	105	115	115	127	116	128	143	157	166	180	196			
Overall length +0.5 (*F* Version)	(mm)	A'	44	48	54	60	68	70	79	76	83	89	97	105	115	117	129	118	130	146	160	170	184	207			
Actuation ring Ø	(mm)	B	23		29		35		45		55		65		73		92		92		120		135		152		
Actuation ring Ø (*F* Version)	(mm)	B'	24		32		42		51.5		62		70		83		98		98		132		155		177		
Clamping fit length C ₁ /C ₂	(mm)	C ₁ /C ₂	14	11	16	13	19	16	21	16	28	22	33	27	39	31	43	35	43	35	52	42	61	52	74	48	
Bore Diameter from Ø to Ø H7	(mm)	D ₁	3-8*		4-12*		5-16*		5-20*		8-22*		10-25*		12-32		14-38*		14-38*		30-56		35-60		40-62*		
Bore Diameter from Ø to Ø H7	(mm)	D ₂	3-8*		4-12*		5-14*		5-20*		8-26		10-30		12-32		14-42		14-42		30-60		35-60		40-75		
Diameter	(mm)	D ₃	9.1		12.1		14.1		20.1		21.1		24.1		32.1		36.1		36.1		58.1		60.1		60.1		
Outside diameter	(mm)	E	19		25		32		40		49		55		66		81		81		110		123		134		
Distance	(mm)	F	12		13		15		17		19		24		28		31		31		35		45		50		
Distance (*F* Version)	(mm)	F'	11.5		12		14		16		19		22		29		31		30		36		43		54		
Distance	(mm)	G	3.5		4		5		5		6.5		7.5		9.5		11		11		13		17		18		
Distance between centers	(mm)	H	6		8		10		15		17		19		23		27		27		39		41		2x48		
Screw ISO 4762		I	M2.5		M3		M4		M4		M5		M6		M8		M10		M10		M12		M16		2xM16		
Tightening torque	(Nm)	I	1		2		4		4.5		8		15		40		50		70		130		200		250		
Pretensioning, approx	(mm)	K	0.1-0.5		0.2-0.7		0.2-0.7		0.2-1.0		0.2-1.0		0.3-1.5		0.5-1.5		0.5-1.0		0.5-1.0		0.5-1.5		0.5-2.0		0.8-2.0		
Axial recovery of coupling max.	(N)		4		8		5		15		10		25		30		20		12		50		30		70		45
Approx. weight	(kg)		0.038		0.07		0.2		0.3		0.4		0.6		1.4		2		2.4		5.9		9.6		15		
Moment of inertia (10 ⁻³ kgm ²)		J _{ps}	0.01		0.01		0.01		0.02		0.06		0.07		0.10		0.15		0.27		0.32		0.75		0.80		
Torsional stiffness (10 ³ Nm/rad)		C _t	0.7		1.2		1.3		7		5		8		7		12		10		18		16		40		
Lateral ± (mm)		max. values	0.15		0.15		0.20		0.20		0.25		0.20		0.30		0.15		0.20		0.20		0.25		0.20		
Angular ± (Degree)			1		1		1.5		2		1.5		2		1		1.5		1		1.5		1		1.5		
Lateral spring stiffness	(N/mm)		70		40		30		290		45		280		145		475		137		900		270		1200		
Actuation distance	(mm)		0.7		0.8		0.8		1.2		1.5		1.5		1.7		1.9		1.9		2.2		2.2		2.2		

A', B', L' = Full disengagement / manual re-engagement version (F)

* keyway with max. bore only conditionally possible.