

SLE PRESS FIT ELASTOMER WITH CLAMPING HUB

10 - 700 Nm



ULTRALIGHT DESIGN

ABOUT

DESIGN

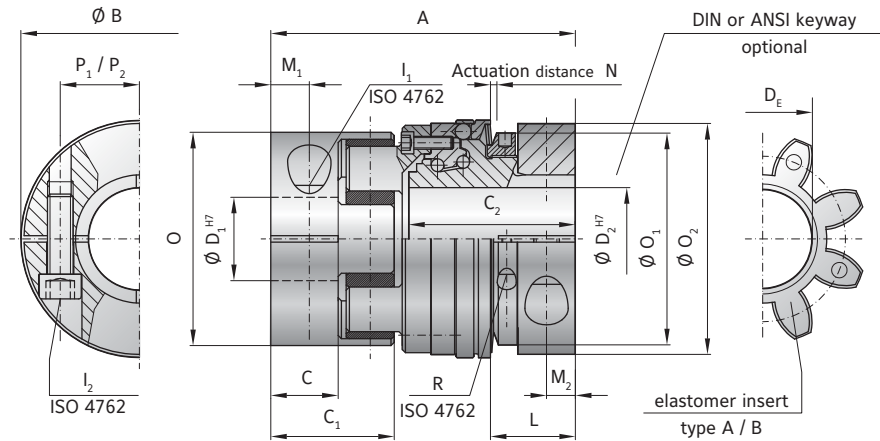
Clamping collar with clamping screw.
Clamping hub with concave driving jaws and clamping screw. Backlash free, vibration damping, electrically isolating elastomer insert press fit into the jaw sets. Clutch system: spring loaded ball-detent principle, in a special compact, low inertia design.

AVAILABLE FUNCTION SYSTEMS

- ▶ W = Single position / automatic re-engagement (standard)
- ▶ D = Multi-position / automatic re-engagement

ORDERING EXAMPLE

see page 105



MODEL SLE

SIZE		30		60		150		300		
Type (elastomer insert)		A	B	A	B	A	B	A	B	
Rated torque	T_{KN}	60	75	160	200	325	405	530	660	
Max. torque	$T_{KN max}$	120	150	320	400	650	810	1060	1350	
Adjustment range* possible from -to	(Nm) T_{KN}	10-35 30-80 40-135		30-80 60-120 100-200		40-100 100-200 150-300		200-350 300-450 400-550 550-700		
Overall length	(mm)	A	85	93		122		135		
Actuation ring diameter	(mm)	B	63	74		92		118		
Hub length (coupling hub end)	(mm)	C/C ₁	20 / 36	21 / 39		31 / 52		34 / 57		
Length of hub (torque limiting portion)		C ₂	45	53		63		72		
Bore diameter from Ø to Ø H7	(mm)	D ₁ /D ₂	12-32 / 12-30	16-36 / 16-35		19-45 / 19-42		22-60 / 22-60		
Inner diameter (elastomer insert)		D _e	26.2	29.2		36.2		46.2		
ISO 4762 screw, coupling side / torque limiter side		I ₁ /I ₂	M6	M8		M10		M12		
Tightening torque	(Nm)		15	40		75		130		
Distance to actuation ring edge	(mm)	L	22	26		32		35		
Distance	(mm)	M ₁ /M ₂	10 / 7.5	12 / 9		15 / 11		17.5 / 12		
Actuation distance	(mm)	N	1.3	1.5		1.8		2		
Clamping hub Ø, elastomer coupling		O	56	66.5		82		102		
Ø Adjustment nut		O ₁	55	66		82		100		
Clamping hub Ø, safety coupling		O ₂	59	72		90		112		
Distance to clamping screw, coupling side / torque limiter side		P ₁ /P ₂	21 / 21.5	24 / 25		29 / 33		38 / 41		
Adjustment nut's clamp screw ISO 4762		R	M3	M3		M3		M4		
Tightening torque	(Nm)		2	2		2		4.5		
Approx. weight	(kg)		0.4	0.8		1.5		2.9		
Approx. moment of inertia at D max. (10 ⁻³ Kg·m ²)		J _{ges}	0.3	1		1.8		5		
Static torsional rigidity	(Nm/rad)		3290	9750	4970	10600	12400	18000	15100	27000
Dynamic torsional rigidity	(Nm/rad)		7940	11900	13400	29300	23700	40400	55400	81200
Lateral ±	approx. (mm)		0.12	0.1	0.15	0.12	0.18	0.14	0.2	0.18

SAFETY COUPLINGS
SK | ES | SL