

# SLN

## WITH CLAMPING COLLAR 10 - 700 Nm

### ABOUT

#### DESIGN

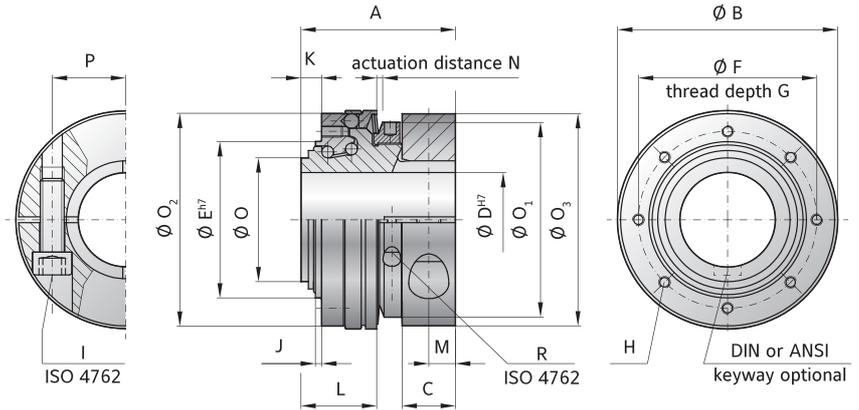
With clamping collar and a single clamping screw.  
Clutch system: spring loaded ball-detent principle. Operable temperature range from -30 to +120° C.

#### AVAILABLE FUNCTION SYSTEMS

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



ULTRALIGHT DESIGN



### MODEL SLN

SIZE			30	60	150	300
Adjustment range* 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		45	53	63	72
Actuation ring $\varnothing$ (mm)	B		63	74	92	118
Clamping fit length (mm)	C		15	18	22	24
Bore diameter from $\varnothing$ to $\varnothing$ H7 (mm)	D		12-30	16-35	19-42	22-60
Bore diameter with keyway DIN 6885 from $\varnothing$ to $\varnothing$ H7 (mm)	D		12-25.4	16-32	19-37	22-54
Pilot diameter h7 (mm)	E		43	53	68	85
Bolt-hole circle diameter $\pm 0.2$ (mm)	F		48	60	75	95
Thread depth +1 (mm)	G		5	6	7	9
Fastening threads	H		8x M4	8x M4	8x M5	8x M6
Screw ISO 4762	I		M6	M8	M10	M12
Tightening torque (Nm)	I		15	40	75	130
Centering length -0.2 (mm)	J		2	2	3	3
Distance (mm)	K		6	7	9	9
Distance to actuation ring edge (mm)	L		23	26	32	36
Distance (mm)	M		7.5	9	11	12
Actuation distance (mm)	N		1.3	1.5	1.8	2
$\varnothing$ Base element (mm)	O		35	42	54	70
$\varnothing$ Adjustment nut (mm)	O <sub>1</sub>		55	66	82	100
$\varnothing$ Flange -0.2 (mm)	O <sub>2</sub>		58	72	87	110
$\varnothing$ Clamp ring (mm)	O <sub>3</sub>		59	72	90	114
Distance between centers (mm)	P		21.5	25	33	41
Adjustment nut's clamp screw ISO 4762	R		M3	M3	M3	M4
Tightening torque (Nm)	R		2	2	2	4.5
Approx. weight (kg)			0.3	0.5	0.8	1.5
Approx. moment of inertia at D max ( $10^{-3}$ Kg $m^2$ )	$J_{ges}$		0.15	0.3	1	3

\*Maximum transmittable torque of the clamping hub depends on the bore diameter / see table below

### MAXIMUM TRANSMITTABLE TORQUE IN RELATION TO BORE DIAMETER

SIZE	$\varnothing$ 12	$\varnothing$ 15	$\varnothing$ 20	$\varnothing$ 25	$\varnothing$ 30	$\varnothing$ 35	$\varnothing$ 40	$\varnothing$ 45	$\varnothing$ 50	$\varnothing$ 55	$\varnothing$ 60
30	30	55	80	110	130						
60		80	120	160	200	220					
150			200	250	300	350	400	450			
300				350	430	510	590	670	750	830	910

Higher torque possible with keyway.