# Press fit elastomer with clamping hub

**SLE**

**10 – 700 Nm**

## Features

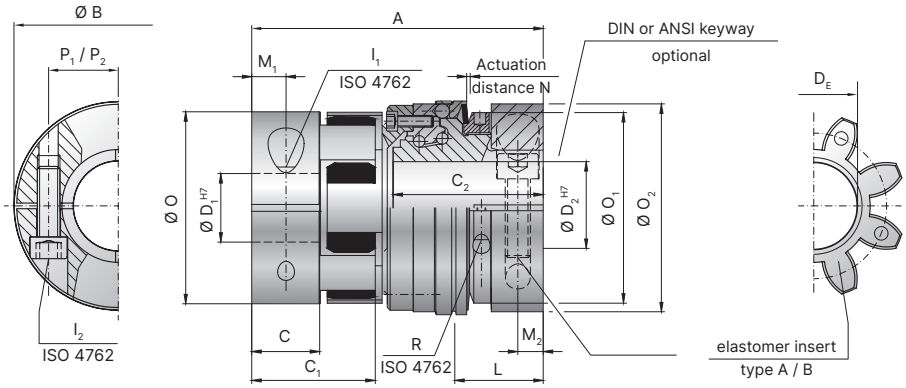
- Easy to mount
- Vibration damping
- Compensation for shaft misalignment
- Adjustable torque settings
- Ultra compact, low inertia version

## Design

Clamping collar with clamping screw. Clamping hub with concave driving jaws and clamping screw. Backlash free, vibration damping, electrically isolating elastomer insert press fitinto the jaw sets. Torque limiter system: spring loaded balldetent principle, in a special compact, low inertia design.

## Available function systems

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




**Light weight safety coupling**

Position of the PFN indicated / symbolic representation only.
Exact position of the PFN available upon request.

## 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 | 1,060 | 1,350 |
| Adjustment range* possible from -to | (Nm) | $T_{KN}$ | 10-35<br>30-80<br>40-135 | | 30-80<br>60-120<br>100-200 | | 40-100<br>100-200<br>150-300 | | 200-350<br>300-450<br>400-550<br>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 | |
| Inner 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. | ($10^{-3}$ Kgm²) | $J_{ges}$ | 0.3 | | 1 | | 1.8 | | 5 | |
| Static torsional rigidity | (Nm/rad) | | 3,290 | 9,750 | 4,970 | 10,600 | 12,400 | 18,000 | 15,100 | 27,000 |
| Dynamic torsional rigidity | (Nm/rad) | | 7,940 | 11,900 | 13,400 | 29,300 | 23,700 | 40,400 | 55,400 | 81,200 |
| Lateral ± | approx. (mm) | | 0.12 | 0.1 | 0.15 | 0.12 | 0.18 | 0.14 | 0.2 | 0.18 |