

SL2

WITH CLAMPING HUBS

10 - 400 Nm



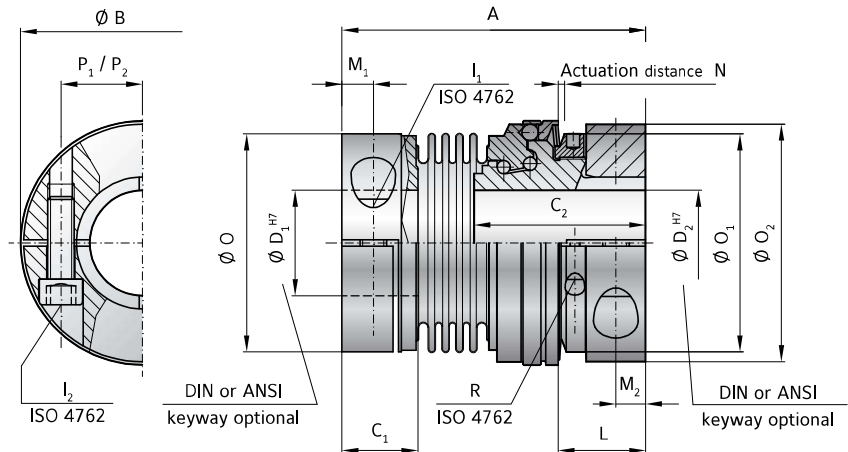
PROPERTIES

DESIGN

Clamping collar / clamping hub with one clamping screw each. Clutch system: spring loaded ball-detent principle. Special compact, high stiffness version. Operable temperature range from -30 to +100° C.

AVAILABLE FUNCTION SYSTEMS

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



MODEL SL2

| SIZE | | | 30 | 60 | 150 | 300 |
|---|------|--------------------------------|----------------|-----------------|-------------------|-------------------------------|
| Adjustment range* from - to | (Nm) | T _{KN} | 10-35 30-80 | 20-50 40-100 | 40-100 100-200 | 100-250 200-350 300-400 |
| Overall length | (mm) | A | 80 | 93 | 112 | 126 |
| Actuation ring diameter | (mm) | B | 63 | 74 | 92 | 118 |
| Hub length | (mm) | C ₁ /C ₂ | 21/45 | 23/53 | 28 / 63 | 34/72 |
| Bore diameter from Ø to Ø H7 | (mm) | D ₁ /D ₂ | 12-32/12-30 | 16-35 / 16-35 | 19-42 / 19-42 | 22-60 / 22-60 |
| Screw ISO 4762 | (mm) | I ₁ /I ₂ | M6 | M8 | M10 | M12 |
| Tightening torque | (Nm) | L | 15 | 40 | 75 | 130 |
| Distance to actuation ring edge | (mm) | M ₁ /M ₂ | 22 | 26 | 32 | 35 |
| Distance | (mm) | N | 7.5/7.5 | 9.5/9 | 11/11 | 13/12 |
| Actuation distance | (mm) | O | 1.3 | 1.5 | 1.8 | 2 |
| Ø Clamping hub Ø, (coupling end) | (mm) | O ₁ | 55.5 | 66 | 82 | 110 |
| Ø Adjustment nut | (mm) | O ₂ | 55 | 66 | 82 | 100 |
| Clamping ring Ø, (torque limiter end) | (mm) | P ₁ /P ₂ | 59 | 72 | 90 | 112 |
| Distance between centers, bellows side/safety element | (mm) | R | 20/21.5 | 23 / 25 | 27/33 | 39/41 |
| Adjustment nut's clamp screw ISO 4762 | | | M3 | M3 | M3 | M4 |
| Tightening torque | (Nm) | J _{ges} | 2 | 2 | 2 | 4.5 |
| Approx. weight | (kg) | | 0.4 | 0.7 | 1.2 | 2.8 |
| Approx. moment of inertia at D max.(10 ⁻³ Kgm ²) | | | 0.2 | 0.8 | 1.4 | 6.2 |
| Torsional stiffness (10 ³ Nm/rad) | | | 31 | 72 | 141 | 157 |
| Lateral ± max. (mm) | | | 0.2 | 0.2 | 0.2 | 0.25 |

*Maximum transmittable torque of the clamping hub depends on the bore diameter / see table on page 103

| ORDERING EXAMPLE | SL2 SK2 | 60 | W | 30 | 20 | 80 | 40-100 | XX |
|----------------------------|-----------|----|---|----|----|----|--------|---|
| Model | ● | | | | | | | Special designation only (e.g. special bore / keyway dimensions). |
| Size | | ● | | | | | | |
| Function system | | | ● | | | | | |
| Bore D1 H7 | | | | ● | | | | |
| Bore D2 H7 | | | | | ● | | | |
| Disengagement torque Nm | | | | | | ● | | |
| Torque adjustment range Nm | | | | | | | ● | |

For custom features place an XX at the end of the part number and describe the special requirements (e.g. SL2 / 60 / W / 30 / 20 / 80 / 40-100; XX=special dual keyway)