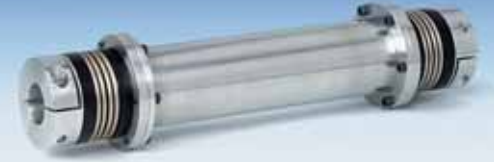


Optional:

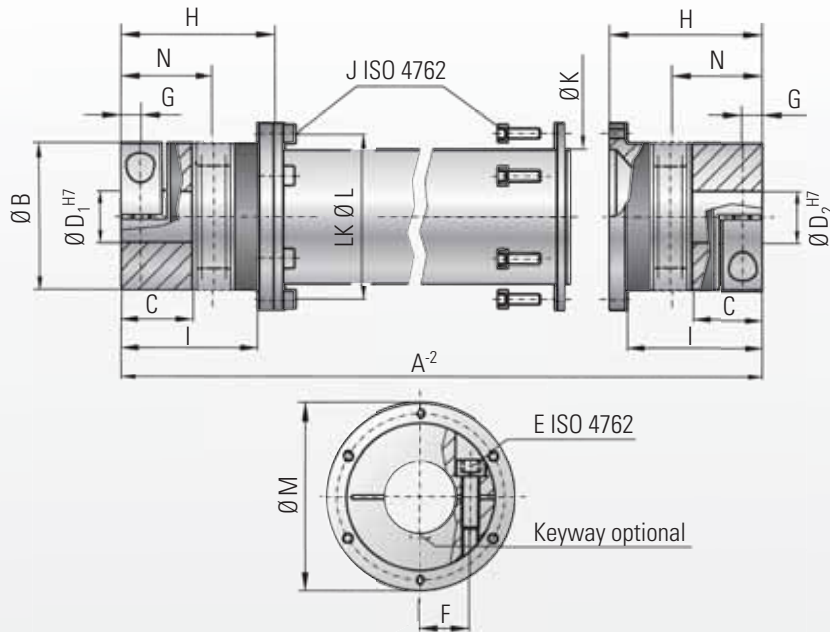


MODEL ZA 10-800 Nm

BACKLASH FREE LINE SHAFTS



with clamping hub



Ordering example

ZA / 10 / 1551 / 18 / 19.05 / XX

Model
Series/rated torque Nm
Overall length mm
Bore Ø D1 H7
Bore Ø D2 H7
Non-Standard e.g. carbon tube

All data is subject to change without notice.

Properties:

- Compensation for misalignments
- Backlash-free and torsionally rigid
- Able to span long distances
- Standard lengths up to 6 m (19.68 ft.)
- No intermediate support bearing required
- Intermediate tube removable for easy mounting

Material:

Bellows made of flexible high grade stainless steel. Aluminum intermediate tube section through size 200, size 300 and up steel. **Optional composite CFK tube.** Clamping hubs through size 60 aluminum, size 150 and up steel.

Design:

Balanced clamping hubs with one radial screw per ISO 4762. Intermediate tube section supported by gimbals within the clamping hub. Mounting and dismounting accomplished through the removal of the intermediate tube section. Absolutely backlash-free due to frictional clamp connection.

Temperature range:

-30 to +100° C (-22° F to 212° F)

Speed:

Depending on length A, please contact R+W

Service life:

These couplings have an infinite life and are maintenance-free if the technical ratings are not exceeded.

Fit tolerance:

Shaft/hub connection 0.01 to 0.05 mm

| Model ZA 10 - 800 Nm | | | Series | | | | | | | |
|---|-----------|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | | | 10 | 30 | 60 | 150 | 200 | 300 | 500 | 800 |
| Rated torque (Nm) | T_{KN} | | 10 | 30 | 60 | 150 | 200 | 300 | 500 | 800 |
| Overall length min. to max. (mm) | A^2 | | 110 - 6000 | 140 - 6000 | 170 - 6000 | 190 - 6000 | 210 - 6000 | 250 - 6000 | 260 - 6000 | 260 - 6000 |
| Outer diameter clamping hub (mm) | B | | 40 | 55 | 66 | 81 | 90 | 110 | 123 | 134 |
| Fit length (mm) | C | | 16 | 27 | 31 | 35.5 | 40.5 | 43 | 50 | 48 |
| Inner diameter from Ø to Ø H7 (mm) | $D_{1/2}$ | | 5 - 20 | 10 - 28 | 12 - 32 | 19 - 42 | 22 - 45 | 30 - 60 | 35 - 60 | 40 - 72 |
| With keyway max. Ø H7 (mm) | $D_{1/2}$ | | 17 | 23 | 29 | 36 | 45 | 60 | 60 | 66 |
| ISO 4762 clamping screw | E | | M4 | M6 | M8 | M10 | M12 | M12 | M16 | 2x M16 |
| Tightening torque (Nm) | | | 5 | 15 | 40 | 70 | 110 | 130 | 200 | 250 |
| Distance between centers (mm) | F | | 15 | 19 | 23 | 27 | 31 | 39 | 41 | 48 |
| Distance (mm) | G | | 5 | 7.5 | 9.5 | 11 | 12.5 | 13 | 17 | 18 |
| Length bellows body (mm) | H | | 44.5 | 57.5 | 71 | 78 | 86 | 94 | 110 | 101 |
| Distance (mm) | I | | 38.5 | 51 | 61 | 69 | 75.5 | 81 | 96 | 89 |
| ISO 4762 screw | J | | 4x M4 | 6x M4 | 6x M5 | 8x M6 | 8x M6 | 8x M8 | 8x M8 | 10x M8 |
| Tightening torque of the assembly screws (Nm) | | | 3 | 4 | 7 | 10 | 12 | 30 | 30 | 40 |
| Outer diameter tube section (mm) | K | | 35 | 50 | 60 | 76 | 90 | 100 | 110 | 120 |
| Bolt hole circle Ø (mm) | L | | 45 | 62.5 | 71.5 | 88 | 100 | 120 | 132 | 138 |
| Outer diameter flange (mm) | M | | 52 | 70 | 80 | 98 | 110 | 135 | 148 | 153 |
| Shaft average value (mm) | N | | 25 | 34 | 41 | 47 | 52 | 56 | 66 | 64 |

1Nm = 8.85 in lbs max. permissible misalignment page 6