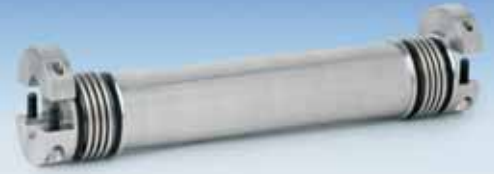


Optional:

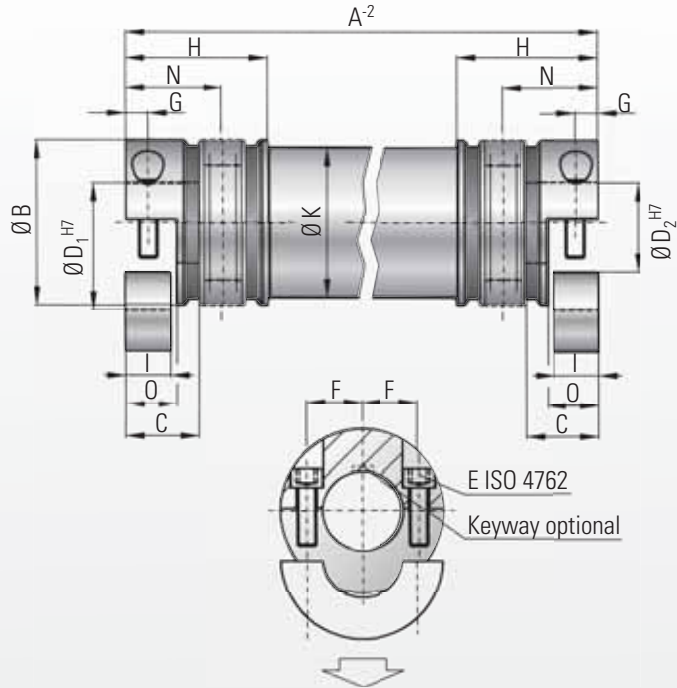


# MODEL ZAE 10-800 Nm

## BACKLASH FREE LINE SHAFTS



with split hub



### Properties:

- Compensation for misalignment
- Backlash-free and torsionally rigid
- Able to span longer distances
- Standard lengths up to 6 m (19.68 ft)
- No intermediate support bearing required
- Split hubs for easy mounting and dismounting

### Material:

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

### Design:

Balanced split clamping hubs with two radial clamping screws ISO 4762. Intermediate tube section supported by gimbals within the bellows. Lateral mounting and dismounting accomplished due to split hubs. Absolutely backlash-free through 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

### Ordering example

ZAE / 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.

Model ZAE 10 - 800 Nm		Series						
		10	30	60	150	300	500	800
Rated torque (Nm)	$T_{KN}$	10	30	60	150	300	500	800
Overall length min. to max. (mm)	$A^{-2}$	100 - 6000	130 - 6000	160 - 6000	180 - 6000	240 - 6000	250 - 6000	250 - 6000
Outer diameter clamping hub (mm)	B	40	55	66	81	110	123	133
Fit length (mm)	C	16	27	31	34.5	42	50	47
Inner diameter from Ø to Ø H7 (mm)	$D_{1/2}$	5 - 20	10 - 28	12 - 32	19 - 42	30 - 60	35 - 60	40 - 72
Max. inner diameter clamping hub (mm)	$D_{max}$	24	30	32	42	60	60	75
with keyway - max Ø H7 (mm)	$D_{1/2}$	17	23	29	36	60	60	66
ISO 4762 clamping screws	E	M4	M6	M8	M10	M12	M16	M16
Tightening torque (Nm)		5	15	40	70	130	200	250
Distance between centers (mm)	F	15	19	23	27	39	41	48
Distance (mm)	G	5	7.5	9.5	12	14	17	19
Length bellows body (mm)	H	39.5	52	64	72	83	96	95
Clamping length (mm)	I	10	15	19	22	28	33.5	37.5
Outer diameter tube section (mm)	K	35	50	60	76	100	110	120
Length (mm)	O	11.5	17	21	24	30	35	40
Shaft average value (mm)	N	25	34	41	47	56	66	65

1Nm = 8.85 in lbs

max. permissible misalignments page 6