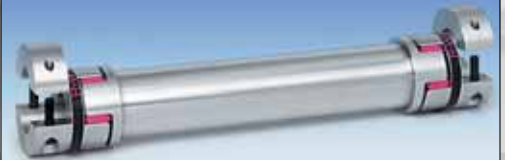
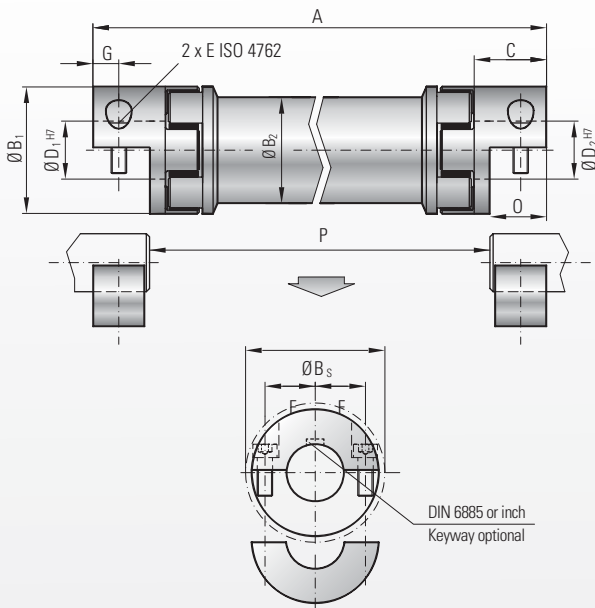




# MODEL EZ2

## BACKLASH FREE LINE SHAFTS



with split clamping hubs

### Properties:

- radial mounting possible with split hubs
- Spans distances of up to 4 m (13.12 ft)
- No intermediate support bearing required
- Low moment of inertia
- damps vibrations
- press-fit design
- backlash-free

### Material:

Clamping hub: up to series 450 high strength aluminum, from series 800 and up steel  
 Elastomer insert: precision molded, wear resistant, and thermally stable polymer  
 Intermediate tube: precision machined aluminum tube; **steel and composite tubes are also available**

### Design:

Two coupling hubs are concentrically machined with concave driving jaws  
 Elastomer inserts are available in type A or B  
 The two coupling elements are connected with a precise and concentrically machined aluminum tube

### Speed:

Please advise the application speed when ordering or inquiring about EZ Line shafts

### Tolerance:

On the hub/shaft connection 0.01 to 0.05 mm

### Torsional stiffness:

To optimize the application different elastomer inserts with different shore hardnesses are available

### Ordering example

**EZ2 / 020 / 1200 / A / 24 / 19.05 / XX**

Model  
 Series  
 Overall length  
 Type Elastomer insert  
 Bore Ø D1 H7  
 Bore Ø D2 H7  
 Non standard e.g. finely balanced

All data is subject to change without notice.

Model EZ 2		Series													
		10		20		60		150		300		450		800	
Type (Elastomer insert)		A	B	A	B	A	B	A	B	A	B	A	B	A	B
Rated torque (Nm)	$T_{KN}$	12,5	16	17	21	60	75	160	200	325	405	530	660	950	1100
Max. torque** (Nm)	$T_{Kmax}$	25	32	34	42	120	150	320	400	650	810	1060	1350	1900	2150
Overall length (mm)	A	95 - 4000		130 - 4000		175 - 4000		200 - 4000		245 - 4000		280 - 4000		320 - 4000	
Outer diameter hub (mm)	$B_1$	32		42		56		66.5		82		102		136.5	
Outer diameter tube (mm)	$B_2$	28		35		50		60		76		90		120	
Outer diameter with screwhead (mm)	$B_s$	32		44.5		57		68		85		105		139	
Fit length (mm)	C	20		25		40		47		55		65		79	
Inner diameter range from Ø to Ø H7 (mm)	$D_{1/2}$	5 - 16		8 - 25		14 - 32		19 - 36		19 - 45		24 - 60		35 - 80	
Mounting screw (ISO 4762/12.9)	E	M4		M5		M6		M8		M10		M12		M16	
Tightening torque of the mounting screw (Nm)	E	4		8		15		35		70		120		290	
Distance between centers (mm)	F	10.5		15.5		21		24		29		38		50.5	
Distance (mm)	G	7.5		8.5		15		17.5		20		25		30	
Mounting length (mm)	O	16.6		18.6		32		37		42		52		62	
Moment of inertia per Hub half ( $10^{-3}$ kgm <sup>2</sup> )	$J_1/J_2$	0.01		0.02		0.15		0.21		1.02		2.3		17	
Inertia of tube per meter ( $10^{-3}$ kgm <sup>2</sup> )	$J_3$	0.075		0.183		0.66		1.18		2.48		10.6		38	