

BX6

WITH REMOVABLE CONICAL CLAMPING RING HUB 10,000 - 100,000 Nm



PROPERTIES

FEATURES

- ▶ compact, simple design
- ▶ high misalignment compensation
- ▶ integral support (size 25 and up)

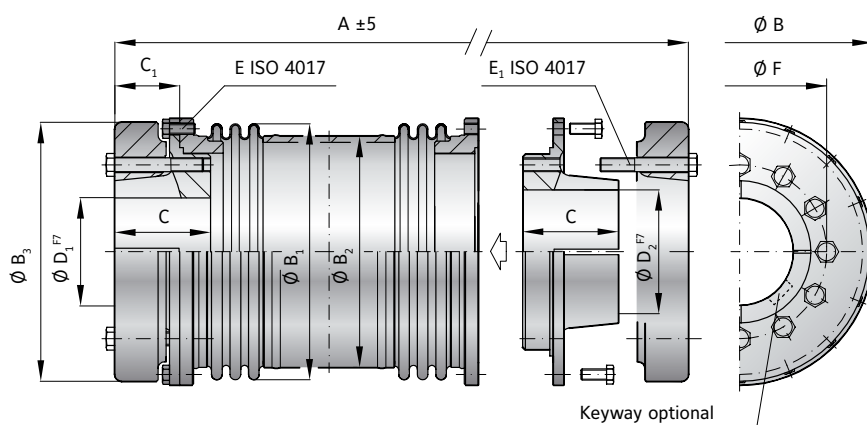
MATERIAL

- ▶ **Hubs:** steel
- ▶ **Bellows:** highly flexible high grade stainless steel

DESIGN

Both sides with removable clamping hubs including conical clamping ring system.

Spacer between bellows (optional variable length) (size 10 without spacer) welded bellows-hub connection



MODEL BX6 | SIZE 10 - 100

SIZE			10	25	50	75	100
Rated torque (KNm)	T_{KN}		10	25	50	75	100
Maximum torque (KNm)	T_{Kmax}		15	38	75	113	150
Overall length (mm)	$A_{\pm 5}$		235	530	650	840	940
Outside diameter of flange (mm)	B		310	336	398	449	545
Outside diameter of bellows ± 2 (mm)	B_1		300	323	370	412	520
Outside diameter of tube (mm)	B_2		-	273	324	360	460
Diameter of clamping ring (mm)	B_3		300	310	380	420	530
Fit length (mm)	C		90	110	140	170	200
Length (mm)	C_1		55	74	99	130	150
Inside diameter possible from \emptyset to $\emptyset F7$ (mm)	D_1/D_2		70 - 170	80 - 180	100 - 200	130 - 230	150 - 280
Fastening screw ISO 4017 for mounting flange (mm)	E		20 x M12	24 x M16	24 x M20	20 x M24	24 x M24
Tightening torque (Nm)			120	300	580	1000	1000
Fastening screw ISO 4017 for conical clamping ring (mm)	E_1		8 x M16	12 x M16	12 x M20	16 x M20	12 x M24
Tightening torque (Nm)			200	250	300	350	600
Bolt circle diameter ± 0.4 (mm)	F		210	220	250	290	360
Moment of inertia (10^{-3} kgm ²)	J_{ges}		828	1535	3799	8277	24876
Approximate weight (kg)			60	93	168	280	550
Axial \pm (mm)		Max. value	3	5	6	7	8
Lateral \pm (mm)			0.4	2.2	2.5	3	3.5
Angular \pm (degree)			1.5	1	1	1	1
Torsional stiffness coupling (10^3 Nm/rad)			20,000	9,000	15,500	23,000	35,000

BELLOWS COUPLING BX

ORDERING EXAMPLE	BX4 BX6	50	120	200	XX
Model	●				
Size / torque rating (KNm)		●			
Bore D1 F7			●		
Bore D2 F7				●	
Special designation only (e.g. stainless steel hubs)					
For custom features place an XX at the end of the part number and describe the special requirements (e.g. BX4 / 50 / 117.48 / 127 / XX; XX = 700 mm overall length)					