

# MK5

## BLIND MATE CONNECTION WITH CLAMPING HUB 0.5 - 10 Nm

### ABOUT



#### FEATURES

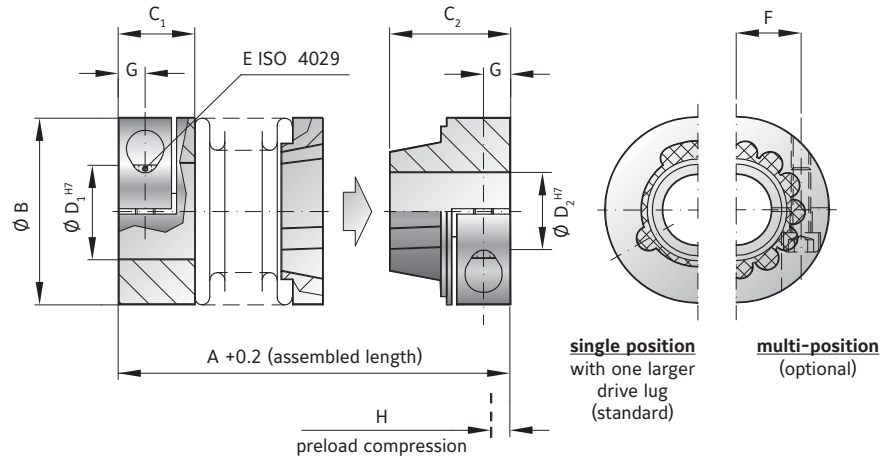
- ▶ easy installation and removal
- ▶ electrically and thermally isolating
- ▶ absolutely backlash free assembly

#### MATERIAL

- ▶ **Bellows:** high grade stainless steel
- ▶ **Hubs:** aluminium
- ▶ **Tapered male segment:** high strength plastic

#### DESIGN

Two clamping hubs, one of which has a tapered male projection for blind mate connection.



MINIATURE  
COUPLINGS MK

## MODEL MK5

SIZE	5			15		20			45		100			
Rated torque (Nm)	T <sub>KN</sub>		0.5			1.5		2		4.5		10		
Overall length (inserted) (mm)	A <sup>+0.2</sup>		27	30	33	34	39	37	43	46	49	57	55	65
Outside diameter (mm)	B		15			19		25			32		40	
Fit length (mm)	C <sub>1</sub>		9			11		13			16		16	
Fit length (mm)	C <sub>2</sub>		12			14		16			20		21.5	
Inside diameter possible from Ø to Ø H7 (mm)	D <sub>1/2</sub>		3-6.35			3-8		3-12.7			5-16		5-20	
Fastening screw ISO 4762	E		M2			M2.5		M3			M4		M4	
Tightening torque of the fastening screw (Nm)	E		0.43			0.85		2.3			4		4.5	
Distance between centerlines (mm)	F		4.5			6		8			10		15	
Distance (mm)	G		3			3.5		4			5		5	
Preload compression (mm)	H		0.4			0.5		0.5			0.7		1	
Axial recovery force at max. preload compression (N)			5	3	2	4	3	3	4	3	15	10	25	30
Moment of inertia (gcm <sup>2</sup> )	J <sub>ges</sub>		3.0	3.2	3.5	9.0	10	28	30	33	110	120	220	230
Torsional stiffness (Nm/rad)	C <sub>1</sub>		280	210	170	750	700	1200	1300	1200	7000	5000	9050	8800
Axial* (mm)	Max. values		0.4	0.5	0.6	0.5	0.7	0.5	0.6	0.7	0.7	1	1	1.2
Lateral (mm)	Max. values		0.15	0.2	0.25	0.15	0.2	0.15	0.2	0.25	0.2	0.25	0.2	0.3
Angular (degree)	Max. values		1	1.5	2	1.5	1.5	1.5	1.5	2	1.5	2	1.5	2

\* in addition to maximum pretensioning

ORDERING EXAMPLE	MK5	20	37	6	9.53	XX
Model	●					
Size		●				
Overall length mm			●			
Bore D1 H7				●		
Bore D2 H7					●	

For custom features place an XX at the end of the part number and describe the special requirements (e.g. MK5 / 20 / 37 / 6 / 9.53 / XX; XX=finely balanced for 25,000 rpm)