

MK4

BLIND MATE CONNECTION WITH RADIAL SET SCREWS 0.5 - 10 Nm



ABOUT

FEATURES

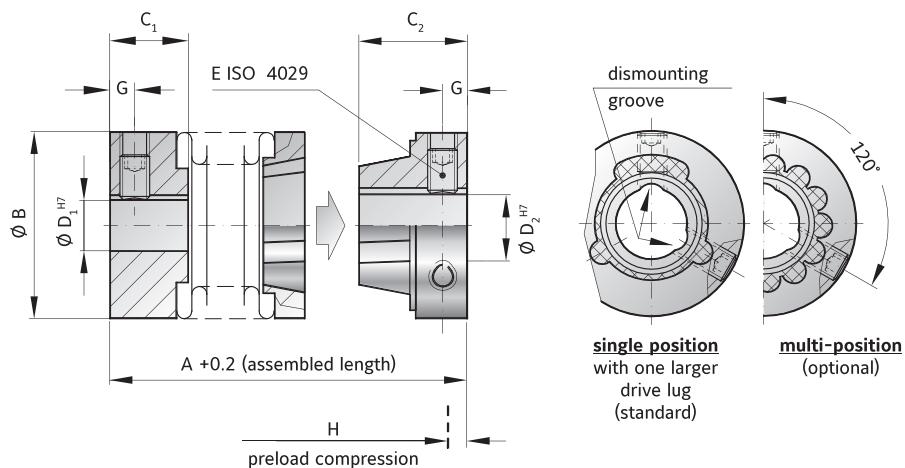
- easy installation and removal
- electrically and thermally isolating
- absolutely backlash free assembly

MATERIAL

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

DESIGN

Two hubs with radial set screws, one of which has a tapered male projection for bind mate connection. Speeds up to 20,000 rpm; over 20,000 with finely balanced version.



MODEL MK4

SIZE	5	15	20	45	100
Rated torque (Nm)	T_{KN}	0.5	1.5	2	4.5
Overall length (inserted) (mm)	$A^{+0.2}$	22 25 28	26 31	28 33 37	39 47
Outside diameter (mm)	B	15	19	25	32
Fit length (mm)	C_1	6.5	7.5	11	13
Fit length (mm)	C_2	9	10	11	14
Inside diameter possible from $\emptyset D$ to $\emptyset H7$ (mm)	D_1	3-9	3-12	3-16	6-22
Inside diameter possible from $\emptyset D$ to $\emptyset H7$ (mm)	D_2	3-6.35	3-9	3-12.7	6-16
Clamping screw ISO 4029	E	1xM3	2xM3	2xM4	2xM5
Tightening torque of the fastening screw (Nm)		1.3	1.3	2.5	4
Distance (mm)	G	2	2	2.5	3.5
Preload compression (mm)	H	0.4	0.5	0.5	0.7
Axial recovery force at max. preload compression (N)		5 3 2	4	3 4 3	15 10 25
Moment of inertia (gcm^2)	J_{ges}	2.0 2.2 2.5	5.5	6.0 21 23 25	80 85 200 210
Torsional stiffness (Nm/rad)	C_T	280 210 170	750	700 1200 1300 1200	7000 5000 9050 8800
Axial* (mm)		0.4	0.5 0.6	0.5	0.7
Lateral (mm)	Max. values	0.15 0.2 0.25	0.15	0.2 0.15 0.2	0.25 0.2 0.3
Angular (degree)		1 1.5 2	1.5	1.5 1.5 2	1.5 2 1.5

* in addition to maximum pretensioning

ORDERING EXAMPLE	MK4	20	37	8	9.53	XX
Model	●					
Size		●				
Overall length mm			●			
Bore D1 H7				●		
Bore D2 H7					●	
Special designation only (e.g. special bore tolerance).						
For custom features place an XX at the end of the part number and describe the special requirements (e.g. MK4 / 20 / 37 / 8 / 9.53 / XX; XX=finely balanced for 25,000 rpm)						