

MK4

BLIND MATE WITH RADIAL SET SCREWS

0.5 – 10 Nm



PROPERTIES

FEATURES

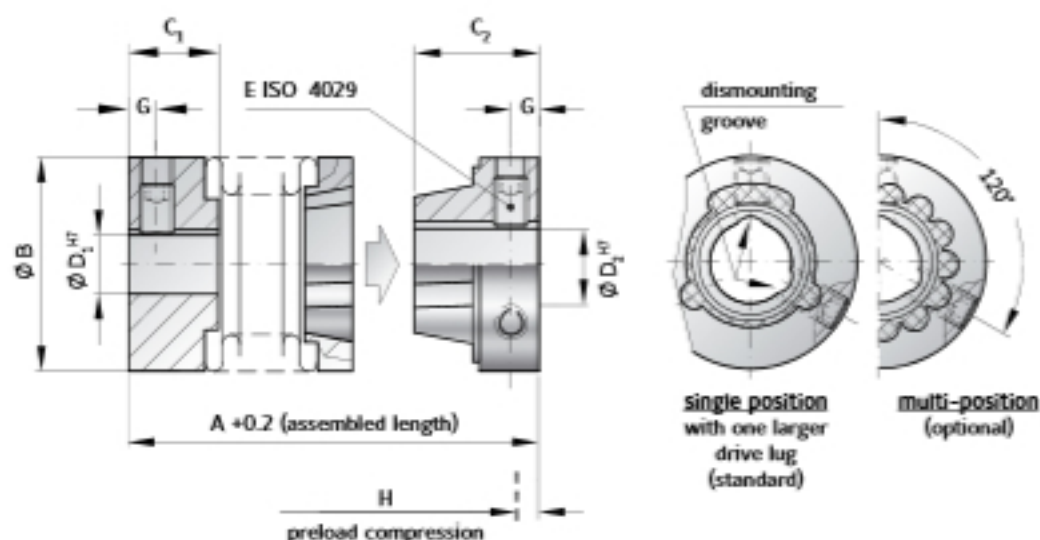
- ▶ easy installation and removal
- ▶ electrically and thermally isolating
- ▶ absolutely backlash free assembly

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 blind 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_{RM}	0.5			1.5		2			4.5		10	
Overall length (inserted)	(mm) $A^{+0.2}$	22	25	28	26	31	28	33	37	39	47	46	56
Outside diameter	(mm) B	15			19		25			32		40	
Fit length	(mm) C_1	6.5			7.5		11			13		15	
Fit length	(mm) C_2	9			10		11			14		16	
Inside diameter possible from \emptyset to \emptyset H7	(mm) D_1	3-9			3-12		3-16			6-22		6-28	
Inside diameter possible from \emptyset to \emptyset H7	(mm) D_2	3-6.35			3-9		3-12.7			6-16		6-20	
Clamping screw ISO 4029	E	1xM3			2xM3		2xM4			2xM5		2xM6	
Tightening torque of the fastening screw		1.3			1.3		2.5			4		6	
Distance	(mm) G	2			2		2.5			3.5		4	
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 ²) J_{PM}	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	0.5	0.6	0.7	0.7	1	1	1.2
Lateral	(mm)	0.15		0.2	0.25	0.15	0.2	0.2	0.25	0.2	0.25	0.2	0.3
Angular	(degree)	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	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)