

MK4

Blind mate with radial set screws

0.5 – 10 Nm



Features

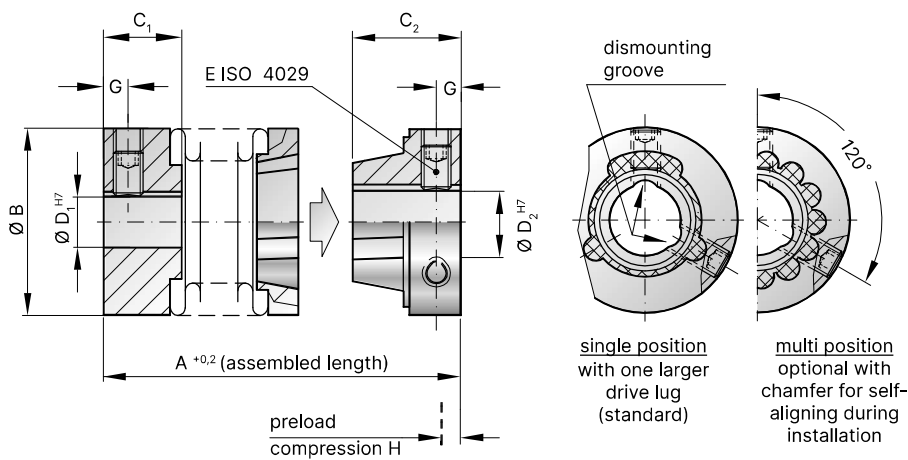
- Easy installation and removal
- Electrically and thermally isolating
- Absolutely backlash free assembly

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 rpm with finely balanced version.



Model MK4

Size	5			15		20			45		100		
Rated torque (Nm)	T_{KN}	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 \varnothing to $\varnothing H7$ (mm)	D_1	3-9		3-12		3-16		6-22		6-28			
Inside diameter possible from \varnothing to $\varnothing H7$ (mm)	D_2	3-6.35		3-9		3-12.7		6-16		6-20			
Clamping screw ISO 4029		1xM3		2xM3		2xM4		2xM5		2xM6			
Tightening torque of the fastening screw (Nm)	E	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_{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	1,200	1,300	1,200	7,000	5,000	9,050	8,800
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)	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)		1	1.5	2	1.5	1.5	1.5	1.5	2	1.5	2	1.5	2

* in addition to maximum pretensioning