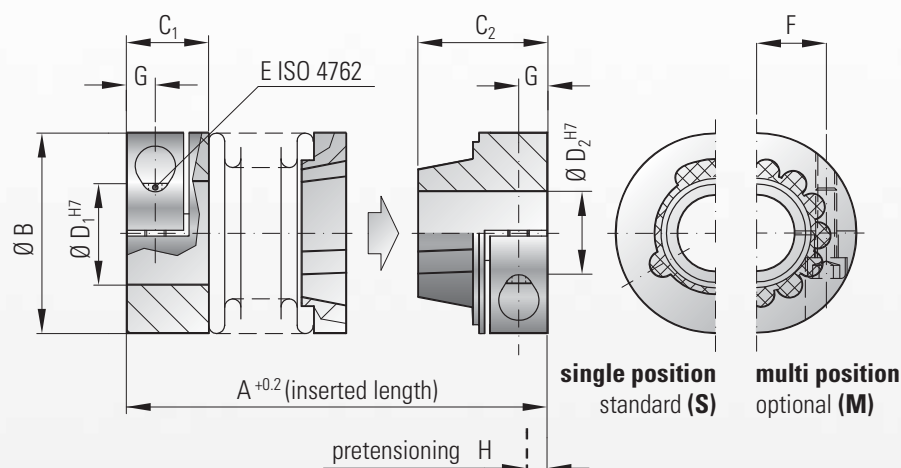


Optional:



MODEL MK5

TECHNICAL SPECIFICATIONS



Ordering example

MK5 / 20 / 37 / 6 / 10 / XX

Model
Series
Overall length
Bore Ø D1 H7
Bore Ø D2 H7
Non standard e.g. multi position re-engagement



blind mate with clamping hubs

Features:

- electrically and thermally isolating
- wear and maintenance free
- easy mounting and dismounting
- absolutely backlash free and torsionally rigid
- low moment of inertia
- compensates for 3 types of misalignment

Material:

Bellows made from highly flexible, high grade stainless steel; hubs and bellows side adapterplate made from aluminum; tapered male segment made from glass reinforced plastic

Design:

With a single ISO 4762 radial clamping screw per hub; with blind mate, press fit connection

Temperature range: -30 to +110° C (-22 to +230° F)

Speed:

Up to 10,000 rpm; in excess of 10,000 rpm with finely balanced version

Service life:

Maintenance free with infinite life when operated within the technical specifications

Fit tolerance:

Overall clearance between hub and shaft
0.01-0.05 mm

Non standard applications:

Custom designs with various tolerances, keyways, materials, dimensions, etc. available upon request

Model MK 5		Series											
		5			15		20			45		100	
Rated torque (Nm)	T _{KN}	0.5			1.5		2			4.5		10	
Overall length (inserted) (mm)	A	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 ₁	9			11		13			16		16	
Fit length (mm)	C ₂	12			14		16			20		21.5	
Inside diameter possible from Ø to Ø H7 (mm)	D _{1/2}	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 screws (Nm)		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	
Approximate pretensioning (mm)	H	0.4			0.5		0.5			0.7		1	
Axial recovery force at maximum pretensioning (N)	Max. values	5	3	2	4	3	3	4	3	15	10	33	46
Moment of inertia (gcm ²)		3.0	3.2	3.5	9.0	10	28	30	33	110	120	220	230
Torsional stiffness (Nm/rad)		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)	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

1 Nm = 8.85 in lbs

* in addition to maximum pretensioning