MK1

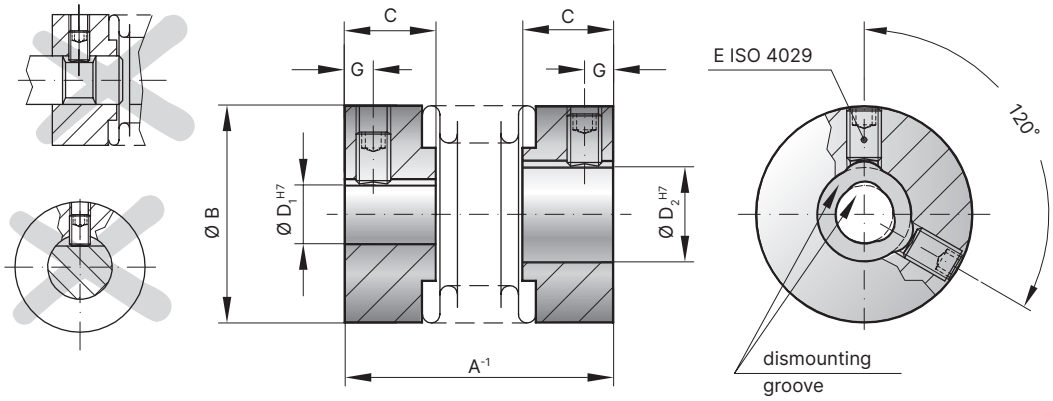
With radial set screws

0.05 – 10 Nm

Features
- Integral dismounting groove eliminates the need for flats on shafts
- Economical design
- Larger bore diameters in a small size possible

Material
- **Bellows:** size 0.5 tombac; sizes 1 and up high grade stainless steel
- **Hubs:** aluminum

Design
Two hubs with radial set screws concentrically mounted to flexible bellows. Speeds up to 20,000 rpm; over 20,000 with finely balanced version.



Advantage: Bore diameters above 4mm have an integral dismounting groove, which provides clearance over any burr which may be kicked up by the set screw, eliminating the need for flats on shafts.

Model MK1

Size			0.5	1	5			10			15		20			45		100	
Rated torque	(Nm)	T_{KN}	0.05	0.1	0.5			1.0			1.5		2.0			4.5		10	
Overall length	(mm)	A^{-1}	14	20	20	23	26	22	25	28	24	29	26	31	35	37	45	43	53
Outside diameter	(mm)	B	6.5	10	15			15			19		25			32		40	
Fit length	(mm)	C	4	5	6.5			6.5			7.5		11			13		15	
Inside diameter possible from Ø to Ø H7	(mm)	$D_{1/2}$	1-3	1-5	3-9			3-9			3-12		3-16			6-22		6-28	
Clamping screw ISO 4029		E	1xM2	1xM2.5	1xM3			1xM3			2xM3		2xM4			2xM5		2xM6	
Tightening torque of the fastening screw	(Nm)		0.35	0.75	1.3			1.3			1.3		2.5			4		6	
Distance	(mm)	G	1.5	1.8	2			2			2		2.5			3.5		4	
Moment of inertia	(gcm^2)	$J_{ges.}$	0.1	0.4	1.1	1.2	1.3	1.3	1.8	2	4.7	5.5	15	18	20	65	70	180	220
Approximate weight*	(g)		1	5	6	6	6	6	7	8	12	14	22	24	26	54	58	106	114
Torsional stiffness	(Nm/rad)	C_T	50	70	280	210	170	510	380	320	750	700	1,200	1,300	1,200	7,000	5,000	9,050	8,800
Axial	(mm)	Max. values	0.4	0.4	0.4	0.5	0.6	0.4	0.5	0.6	0.5	0.7	0.5	0.6	0.7	0.7	1	1	1.2
Lateral	(mm)		0.1	0.15	0.15	0.2	0.25	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	1	1.5	2	1	1.5	2	1.5	1.5	1.5	1.5	2	1.5	2	1.5	2

* Weight corresponds to the standard version with the smallest bore and the maximum overall length.

Ordering example	MK1	5	26	4	5	XX
Model	●					Special designation only (e.g. high speed balancing).
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. MK1 / 5 / 26 / 4.76 / 5 / XX; XX=finely balanced for 25,000 rpm)