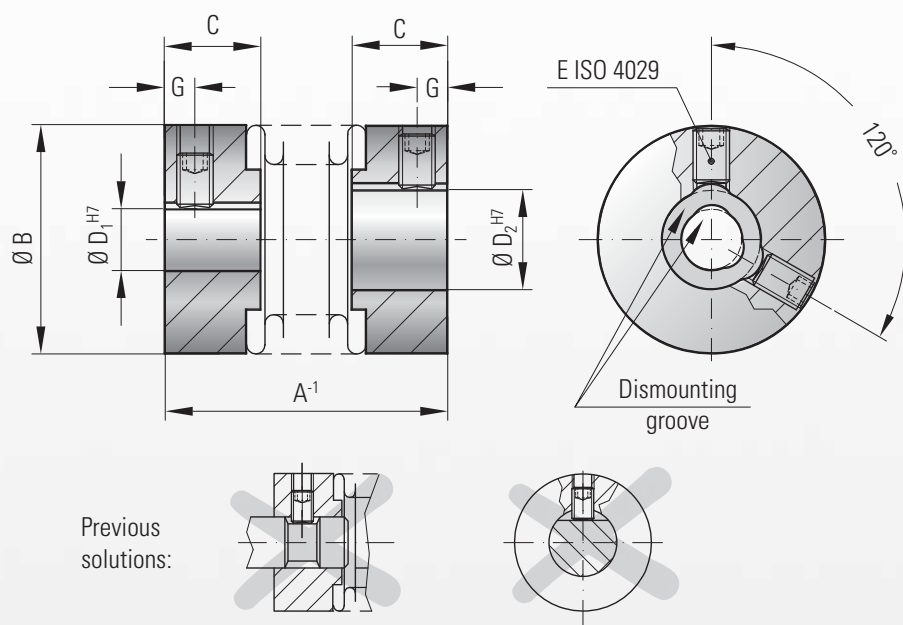


Optional:



MODEL MK1

TECHNICAL SPECIFICATIONS



Ordering example

MK1 / 5 / 26 / 4 / 5 / XX

Model
Series
Overall length
Bore Ø D1 H7
Bore Ø D2 H7
Non standard e.g. stainless steel



with radial set screws

Features:

- backlash free and torsionally rigid
- cost effective design
- low moment of inertia
- compensates for 3 types of misalignment
- mounting groove or flatted shaft is not required due to integral "dismounting groove"

Material:

Bellows made from highly flexible, high grade stainless steel; hubs made from aluminum

Design:

With 1x or 2x ISO 4029 radial set screw per hub and integral "dismounting groove"

Temperature range:

-30 to +110° C (-22 to +230° F)

Speeds:

Up to 20,000 rpm; in excess of 20,000 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 1		Series															
		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	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 assembly screws (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_{total}	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
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	1200	1300	1200	7000	5000	9050 8800
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

1 Nm = 8.85 in lbs