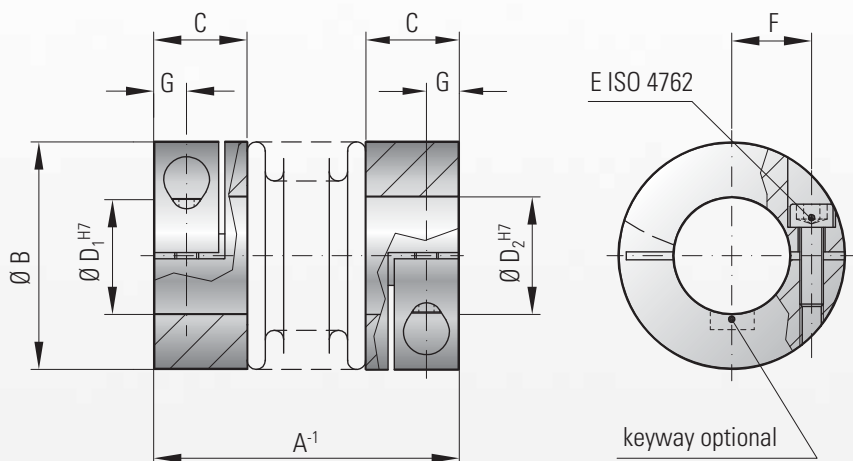




MODEL MK2

TECHNICAL SPECIFICATIONS



with clamping hubs

Features:

- with frictional clamp connection
- for highly dynamic applications
- 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 made from aluminum

Design

With a single ISO 4762 radial clamping screw per hub

Temperature range:

-30 to +110° C (-22 to +230° F)

Speeds:

Up to 10,000 rpm; in excess of 10,000 rpm with finely balanced version (up to $G = 2.5$)

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

Ordering example

MK2 / 5 / 25 / 4 / 5 / XX

Model
Series
Overall length
Bore $\emptyset D_1$ H7
Bore $\emptyset D_2$ H7
Non standard e.g. stainless steel

Model MK 2		Series																	
		5			10			15		20			45		100				
Rated torque (Nm)	T_{KN}	0.5			1.0			1.5		2.0			4.5		10				
Overall length (mm)	A	25	28	31	27	30	33	30	35	35	40	44	46	54	50	60			
Outside diameter (mm)	B	15			15			19		25			32		40				
Fit length (mm)	C	9			9			11		13			16		16				
Inside diameter possible from \emptyset to \emptyset H7 (mm)	$D_{1/2}$	3-7			3-7			3-8		3-12.7			5-16		5-24				
Standard bore H7 (mm)	$D_{1/2}$	6			6			6		6/10			10		10				
Fastening screw ISO 4762		M2			M2			M2.5		M3			M4		M4				
Tightening torque of the fastening screws (Nm)	E	0.43			0.43			0.85		2.3			4		4.5				
Distance between centerlines (mm)	F	4.5			4.5			6		8			10		15				
Distance (mm)	G	3			3			3.5		4			5		5				
Moment of inertia (gcm ²)	J_{total}	2.6	2.8	3	3	3.4	3.6	8.5	9.5	25	27	29	100	108	160	205			
Weight (g)		9	9	9	9	10	11	22	24	36	38	40	74	78	120	130			
Torsional stiffness (Nm/rad)	C_T	280	210	170	510	380	320	750	700	1200	1300	1200	7000	5000	9050	8800			
Axial	Max. values	± (mm)		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)		0.15	0.2	0.25	0.15	0.2	0.25	0.15	0.2	0.25	0.15	0.2	0.25	0.2	0.25	0.2	0.3
Angular		± (degree)		1	1.5	2	1	1.5	2	1.5	1.5	1.5	2	1.5	2	1.5	2	1.5	2

1 Nm = 8.85 in lbs