

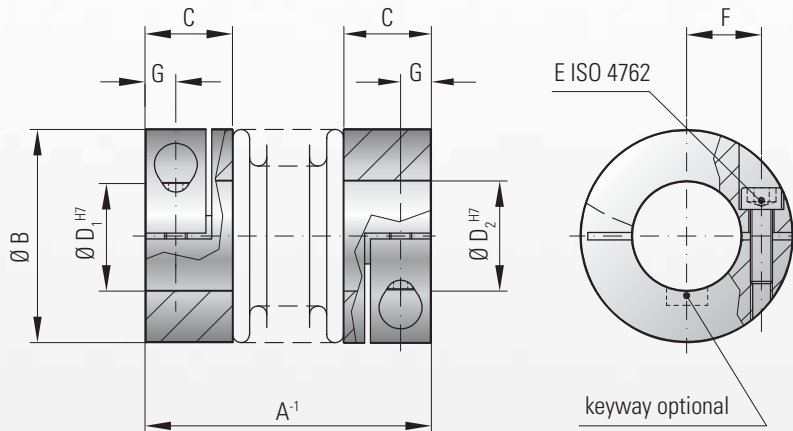
optional  
stainless  
steel

# 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 Ø D1 H7  
Bore Ø D2 H7  
Non standard e.g. stainless steel

Model MK 2	Series																
	5			10			15		20			45		100			
Rated torque (Nm)	T <sub>KN</sub>		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 Ø to Ø H7 (mm)	D <sub>1/2</sub>		3-7			3-7			3-8		3-12.7			5-16		5-24	
Standard bore H7 (mm)	D <sub>1/2</sub>		6			6			6		6/10			10		10	
Fastening screw ISO 4762	E		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 (gcm²)	J <sub>total</sub>		2.6	2.8	3	3	3.4	3.6	8.5	9.5	25	27	29	100	108	160	205
Weight (g)	J <sub>total</sub>		9	9	9	9	10	11	22	24	36	38	40	74	78	120	130
Torsional stiffness (Nm/rad)	C <sub>T</sub>		280	210	170	510	380	320	750	700	1200	1300	1200	7000	5000	9050	8800
Axial ± (mm)	Max. values		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)	Max. values		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)	Max. values		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