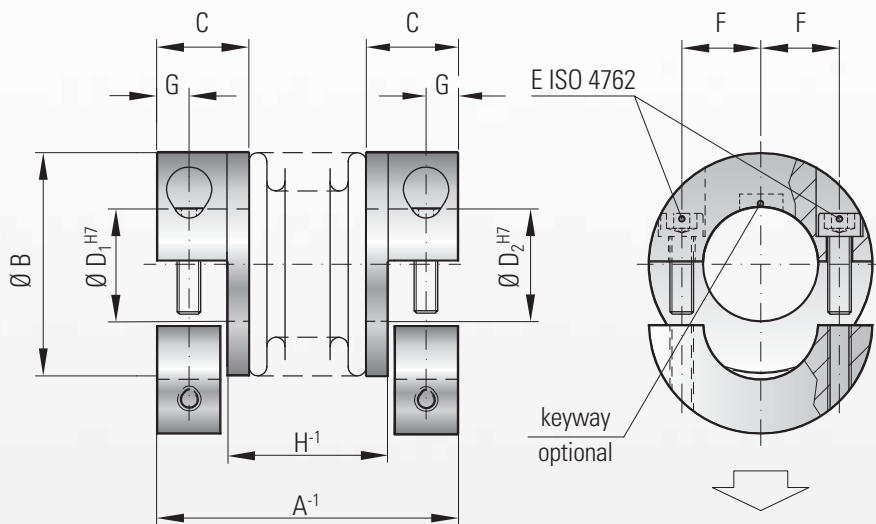




MODEL MKH

TECHNICAL SPECIFICATIONS



Ordering example

MKH / 20 / 35 / 8 / 10 / XX

Model
Series
Overall length
Bore $\varnothing D1 H7$
Bore $\varnothing D2 H7$
Non standard e.g. stainless steel



with fully split hubs

Features:

- for lateral mounting
- easy mounting and dismounting
- lightweight and low inertia
- suited for pre-aligned shafts

Material:

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

Design:

With fully removable split hubs and 2x ISO 4762 clamping screws per hub

Temperature range:

-30 to +110° C (-22 to +212° 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

Brief overloads:

Acceptable up to 1.5x the rated torque

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 MKH		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^{-1}	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 \varnothing to $\varnothing H7$ (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	E	M2			M2			M2.5		M3		M4		M4			
Tightening torque of the fastening screws (Nm)		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			
Distance (mm)	H^{-1}	12	15	18	14	17	20	14.5	19.5	17	22	26	23.5	31.5	27.5	37.5	
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)	max. values	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 ± (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)	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