

MHC - Datasheet

Specifications (Aluminum alloy)

Model	Max. Torque			Misalignment			Stiffness			Max. rotation speed [min ⁻¹]	Moment of inertia [kg·m ²]	Mass [kg]
	Short-term [N·m]	One-sided [N·m]	Reversing [N·m]	Parallel [mm]	Angular [°]	Axial [mm]	Max. Torsional [N·m/rad]	Max. Radial spring [N/mm]	Max. Axial spring [N/mm]			
MHC 015	0.71	0.36	0.18	±0.25	5	±0.25	11.2	169	44	10,000	0.26 × 10 ⁻⁶	0.009
MHC 020	1.3	0.7	0.4	±0.25	5	±0.25	21.2	179	29	10,000	1.09 × 10 ⁻⁶	0.021
MHC 025	2.9	1.5	0.8	±0.25	5	±0.25	38.2	236	34	10,000	2.89 × 10 ⁻⁶	0.035
MHC 030	4.9	2.5	1.3	±0.25	5	±0.25	52.1	219	81	10,000	7.02 × 10 ⁻⁶	0.060

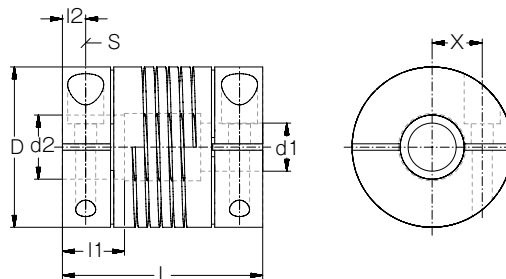
• Other sizes available on request.
 • Version with blind bore possible on request.

Specifications (Stainless steel)

Model	Max. Torque			Misalignment			Stiffness			Max. rotation speed [min ⁻¹]	Moment of inertia [kg·m ²]	Mass [kg]
	Short-term [N·m]	One-sided [N·m]	Reversing [N·m]	Parallel [mm]	Angular [°]	Axial [mm]	Max. Torsional [N·m/rad]	Max. Radial spring [N/mm]	Max. Axial spring [N/mm]			
MHC 020	2.5	1.3	0.7	±0.25	5	±0.25	44.1	418	58	10,000	3.02 × 10 ⁻⁶	0.058
MHC 025	5.7	2.9	1.5	±0.25	5	±0.25	101	662	95	10,000	8.02 × 10 ⁻⁶	0.097
MHC 030	8.9	4.5	2.3	±0.25	5	±0.25	119.4	538	71	10,000	20.5 × 10 ⁻⁶	0.167

• Other sizes available on request.
 • Version with blind bore possible on request.

Dimensions



Model	d1 · d2		D	L	l1	l2	S	Tightening torque of screws [N·m]
	Min.	Max.						
MHC 015	3.0	5.0	15.0	22.0	6.0	2.5	M2	0.5
MHC 020	4.0	6.0	20.0	28.0	8.6	3.7	M3	2.0
MHC 025	6.0	10.0	25.0	30.0	8.6	3.7	M3	2.0
MHC 030	10.0	12.0	30.0	38.0	11.0	5.0	M4	4.7

• Other sizes available on request.
 • Version with blind bore possible on request.

Standard Bore Diameter (Aluminum alloy)

Nominal bore diameter		Standard bore diameter, d1/d2 [mm] and short term torque [N-m]						Unit [mm]	
		3	4	5	6	8	10	12	
Supported bore diameter for each model	MHC 015	3	0.71	0.66	0.59				
		4	0.66	0.66	0.59				
		5	0.59	0.59	0.59				
	MHC 020	4		1.3	1.2	1.1			
		5		1.2	1.2	1.1			
		6		1.1	1.1	1.1			
	MHC 025	6				2.9	2.6	2.2	
		8				2.6	2.6	2.2	
		10				2.2	2.2	2.2	
	MHC 030	8					4.9	4.6	4.0
		10					4.6	4.6	4.0
		12					4.0	4.0	4.0

Standard Bore Diameter (Stainless steel)

Nominal bore diameter		Standard bore diameter, d1/d2 [mm] and short term torque [N-m]						Unit [mm]
		5	6	8	10	11	12	
Supported bore diameter for each model	MHC 020	5	2.5	2.3				
		6	2.3	2.3				
	MHC 025	6		5.7	5.1	4.3		
		8		5.1	5.1	4.3		
		10		4.3	4.3	4.3		
	MHC 030	10				8.9	8.3	7.7
		11				8.3	8.3	7.7
		12				7.7	7.7	7.7

How to Place an Order

