

MHS - 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]			
MHS 015	0.71	0.36	0.18	±0.25	5	±0.25	11.2	169	44	10,000	0.23 × 10 ⁻⁶	0.008
MHS 020	1.3	0.7	0.4	±0.25	5	±0.25	21.2	179	29	10,000	0.78 × 10 ⁻⁶	0.015
MHS 025	2.9	1.5	0.8	±0.25	5	±0.25	38.2	236	34	10,000	2.31 × 10 ⁻⁶	0.028
MHS 030	4.6	2.3	1.2	±0.25	5	±0.25	44.1	192	25	10,000	5.50 × 10 ⁻⁶	0.047

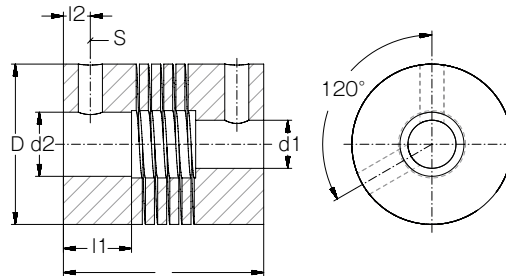
• Other sizes available on request.
• Version with blind bore possible on request.

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]			
MHS 015	1.3	0.65	0.33	±0.25	5	±0.25	22.0	368	81	10,000	0.67 × 10 ⁻⁶	0.023
MHS 020	2.5	1.3	0.7	±0.25	5	±0.25	44.1	418	58	10,000	2.13 × 10 ⁻⁶	0.041
MHS 025	5.7	2.9	1.5	±0.25	5	±0.25	101	662	95	10,000	6.45 × 10 ⁻⁶	0.078
MHS 030	8.9	4.5	2.3	±0.25	5	±0.25	119.4	538	71	10,000	16.2 × 10 ⁻⁶	0.132

• 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]	Unit [mm]
	Min.	Max.							
MHS 015	3.0	5.0	15.0	20.0	4.8	2.5	M3	1.0	
MHS 020	4.0	6.0	20.0	20.0	4.8	2.5	M3	1.0	
MHS 025	6.0	10.0	25.0	24.0	5.9	3.0	M4	2.1	
MHS 030	10.0	12.0	30.0	30.0	6.8	3.5	M5	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	11	12
Supported bore diameter for each model	MHS 015	3	0.71	0.66	0.59					
		4	0.66	0.66	0.59					
		5	0.59	0.59	0.59					
	MHS 020	4		1.3	1.2	1.1				
		5		1.2	1.2	1.1				
		6		1.1	1.1	1.1				
	MHS 025	6				2.9	2.6	2.2		
		8				2.6	2.6	2.2		
		10				2.2	2.2	2.2		
	MHS 030	10						4.6	4.3	4.0
		11						4.3	4.3	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]
			4	5	6	8	10	12		
Supported bore diameter for each model	MHS 015	4	1.3	1.2						
		5	1.2	1.2						
	MHS 020	5		2.5	2.3					
		6		2.3	2.3					
	MHS 025	6			5.7	5.1	4.3			
		8			5.1	5.1	4.3			
		10			4.3	4.3	4.3			
	MHS 030	10					8.9	7.7		
		12					7.7	7.7		

How to Place an Order

MHS-015-8-10-AL

Size

Material
AL: Aluminum alloy
VA: Stainless steel

Bore diameter
d1/d2