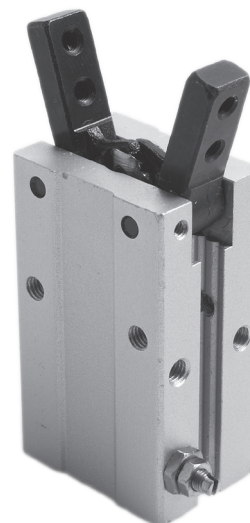


Technical Data

Engineering Specifications

Bore Size (mm)			6	10	16	20	25	32
Fluid			Air (Clean/Dry)					
Pressure Range	Double Acting	6mm	28 to 100 PSI (0.15 to 0.7 MPa)					
		10mm to 32mm	22 to 100 PSI (0.1 to 0.7 MPa)					
	Single Acting	6mm	50 to 100 PSI (0.3 to 0.7 MPa)					
		10mm to 32mm	36 to 100 PSI (0.25 to 0.7 MPa)					
Temperature Range			-4 °F to 160 °F (-20 °C to 70 °C)					
Lubrication			Cylinder: Not Required		Jaws: Grease Regularly			
Cushion Type			Bumper					
Integrated Flow Control			Not Available		Standard - Flow Control in Closing Direction			
Maximum Frequency			180 cycles per minute					
Port Size			M3x0.5		M5x0.8			
Sensor Switch Compatibility¹	Reed Switch		MWF-H		MWF-G			
	Solid State Switch		MWK-H, MWC-H		MWC-G, MWK-G			
Includes			Magnet					

¹ See pages 113-116 for switch specifications



Gripping Force and Stroke

1 MPa = 145.04 PSI

1 N-cm = 0.089 lb-in

Model		Double Acting (MHFY)					
Bore Size (mm)		6	10	16	20	25	32
Gripping Moment ² , M _g (N-cm)	Closing ³	7.4 x P	17.6 x P	90 x P	152 x P	304 x P	637 x P
	Opening ³	10.6 x P	29.4 x P	129 x P	252 x P	473 x P	904 x P
Maximum Recommended Length to Gripping Point ⁴ (mm)		30	30	40	60	70	85
Opening Angle ³		30° +3/-0					
Closing Angle ³		10° +0/-3					

Model		Single Acting Normally Open (MHFTY)					
Bore Size (mm)		6	10	16	20	25	32
Gripping Moment ² , M _g (N-cm)	Closing ³	5.7 x P	11.8 x P	71.2 x P	122.4 x P	252 x P	589 x P
	Opening ³	-	-	-	-	-	-
Maximum Recommended Length to Gripping Point ⁴ (mm)		30	30	40	60	70	85
Opening Angle ³		30° +3/-0					
Closing Angle ³		10° +0/-3					

Note: P = Operating Pressure (MPa)

² See figure 3 on page 100.

³ See figure 4 on page 100.

⁴ See figure 5 on page 100.