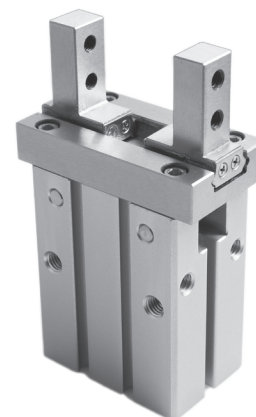


Technical Data

Engineering Specifications

Bore Size (mm)			6	10	16	20	25	32	40
Fluid			Air (Clean/Dry)						
Pressure Range	Double Acting	6mm, 10mm	28 to 100 PSI (0.2 to 0.7 MPa)						
		16mm to 40mm	22 to 100 PSI (0.15 to 0.7 MPa)						
	Single Acting	6mm, 10mm	50 to 100 PSI (0.35 to 0.7 MPa)						
		16mm to 40mm	36 to 100 PSI (0.25 to 0.7 MPa)						
Temperature Range			-4 ° F to 160 ° F (-20 ° C to 70 ° C)						
Lubrication			Not Required						
Repeatability			±0.01mm						±0.02mm
Maximum Frequency			180 Cycles/Min						60 Cycles/Min
Port Size			M3x0.5		M5x0.8				
Sensor Switch Compatibility ¹	Reed Switch		MWF-G		MWF-G, MWF-H				
	Solid State Switch		MWF-H		MWC-G, MWC-H, MWK-G, MWK-H				
Includes			Magnet						

¹ See pages 113-116 for switch specifications



Gripping Force and Stroke

1 MPa = 145.04 PSI

1 N = 0.225 lbf

1 lbf = 453.6 g

Model		Double Acting (MHFK)						
Bore Size (mm)		6	10	16	20	25	32	40
Gripping Force ² , Fg (N)	Closing ³	3.3	11	34	45	69	160	255
	Opening ³	6.1	17	45	68	102	195	320
Closing/Opening Stroke (mm)		4	4	6	10	14	22	30
Weight (g)	Standard	25	56	124	236	428	729	1268
	Bottom	24	56	124	236	418	750	1340

Model		Single Acting Normally Open (MHFTK)						
Bore Size (mm)		6	10	16	20	25	32	40
Gripping Force ² , Fg (N)	Closing ³	1.9	7	27	35	55	133	220
	Opening ³	-	-	-	-	-	-	-
Closing/Opening Stroke (mm)		4	4	6	10	14	22	30
Weight (g)	Standard	26	57	125	238	430	778	1365
	Bottom	25	57	125	238	420	799	1437

Model		Single Acting Normally Closed (MHFSK)						
Bore Size (mm)		6	10	16	20	25	32	40
Gripping Force ² , Fg (N)	Closing ³	-	-	-	-	-	-	-
	Opening ³	3.7	13	38	59	87	163	270
Closing/Opening Stroke (mm)		4	4	6	10	14	22	30
Weight (g)	Standard	26	57	125	238	430	778	1365
	Bottom	25	57	125	238	420	799	1437

² Gripping force, F, measured with an operating pressure of 0.5MPa (72.5 PSI) at a gripping point of 20mm. See figure 1 on page 100.

³ See figure 2 on page 100.