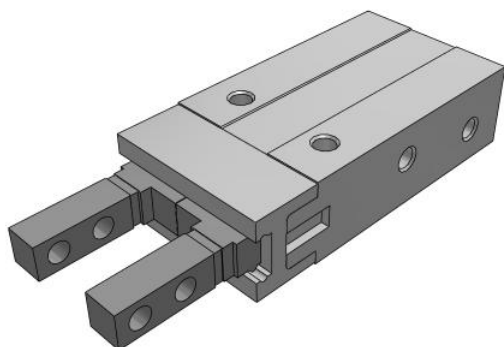




Standard - MHZ2 MHZ2-6D2

Datasheet

General series information

- Maximum gripping force per finger 43.5 N at 0.5 MPa
- Double acting and single acting
- Repeatability: $\pm 0.01\text{mm}$
- Max. operating frequency: 180 c.p.m.

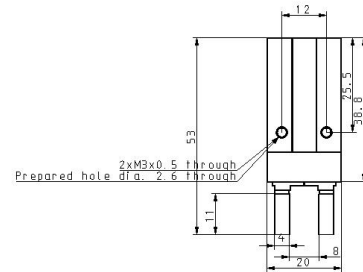
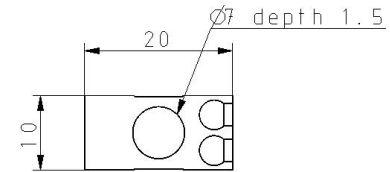
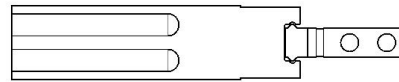
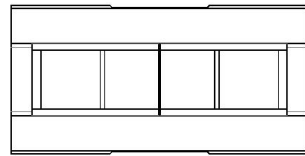
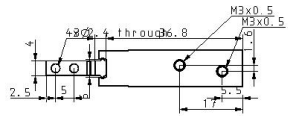
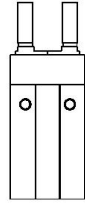


Gripper, external grip, double-acting with permanent magnet on piston

Standard specifications

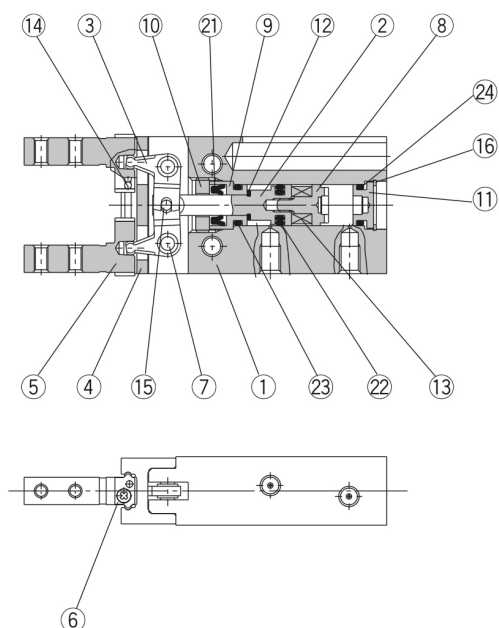
Bore Size	6 mm
Action	D (Double Acting)
Finger Position	2 (Standard-Through Hole)
Body Option	Basic
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
Pressure medium	Air
Maximum temperature of pressure medium	60 °C
Minimum temperature of pressure medium	-10 °C (No freezing)
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.15 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	-10 °C (No freezing)
Pneumatic input connection	M3
Pneumatic exhaust connection	M3
Repeatability	$\pm 0.01\text{ mm}$
Lubrication	Non-lube
Type of gripper	Parallel

Number of pneumatic connections	2
Effective holding force per finger, external (0.5 MPa)	3.3 N
Effective holding force per finger, internal (0.5 MPa)	6.1 N
Number of fingers	2
Mode of operation	Double acting
Maximum operating frequency	180 c.p.m.
Opening / closing stroke (both sides)	4 mm
Weight	0.029 Kg

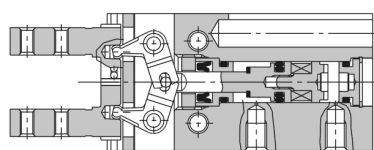


Constructions

Fingers open



Fingers closed



Parts list

No.	Description	Material	Note
1	Body	Aluminum alloy	Hard anodized
2	Piston	Stainless steel	
3	Lever	Stainless steel	Heat treated
4	Guide	Stainless steel	Heat treated
5	Finger	Stainless steel	Heat treated
6	Roller stopper	Stainless steel	
7	Lever shaft	Stainless steel	Nitrided
8	Magnet holder	Stainless steel	
9	Holder	Brass	Electroless nickel plated
10	Holder lock	Stainless steel	
11	Cap	Aluminum alloy	Clear anodized
12	Bumper	Urethane rubber	
13	Magnet	Rare earth magnet	Nickel plated

Parts list

No.	Description	Material	Note
14	Steel balls	High carbon chromium bearing steel	
15	Needle roller	High carbon chromium bearing steel	
16	C type snap ring	Carbon steel	Nickel plated
21	Rod seal	NBR	
22	Piston seal	NBR	
23	Gasket	NBR	
24	Gasket	NBR	

Additional information

Catalogue

[MHZ_EU.pdf](#)

Operation manuals

[OM_MHZ2_OMD0047EN-A.pdf](#)