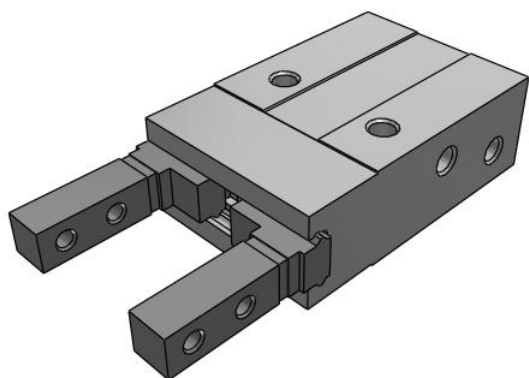


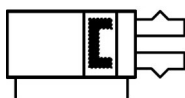


Compact - MHZA2 MHZA2-6D

Datasheet

General series information

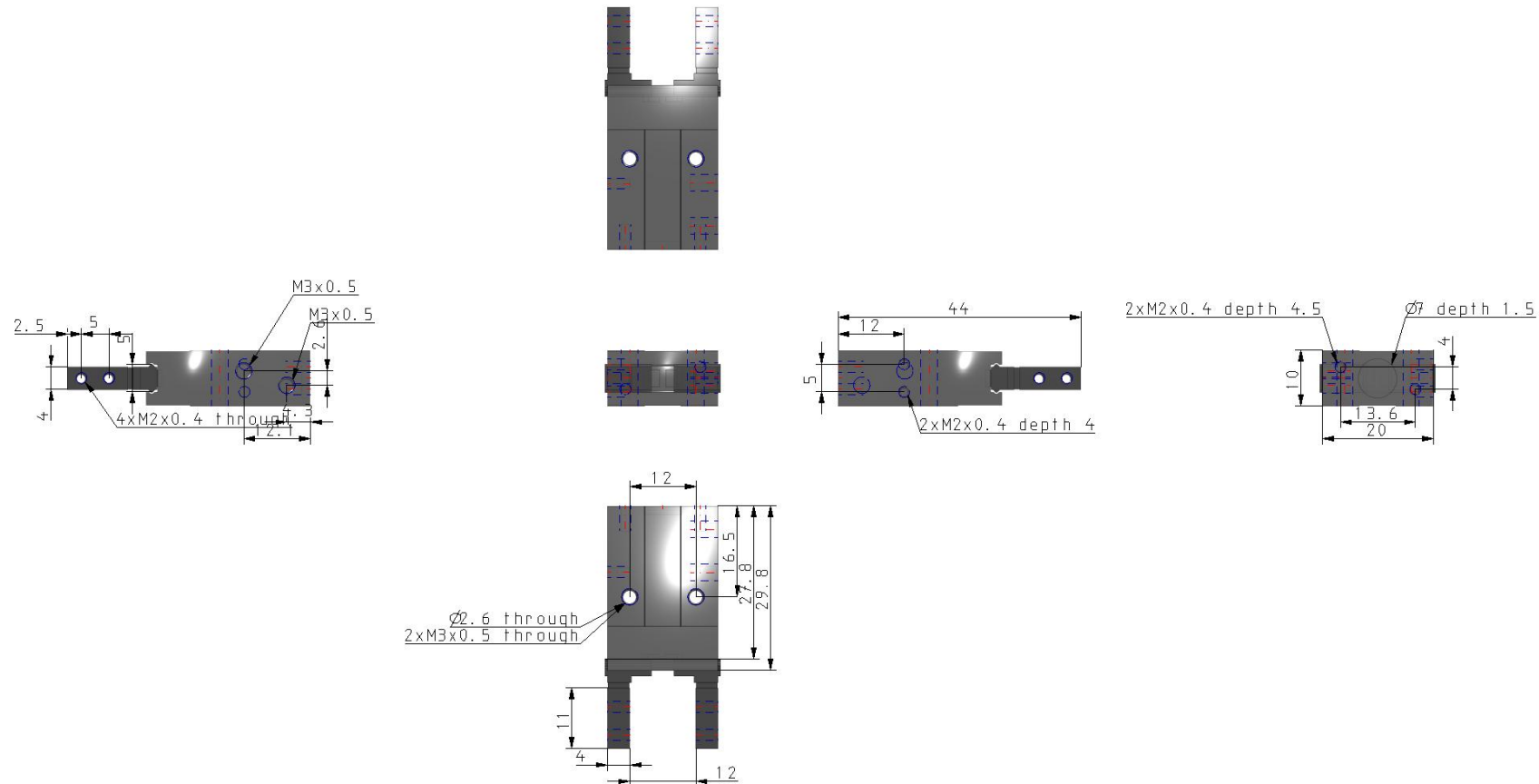
- Maximum gripping force per finger 6.1 N at 0.5 MPa
- Double acting and single acting
- Repeatability: ± 0.01 mm
- Max. operating frequency: 120 c.p.m.



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

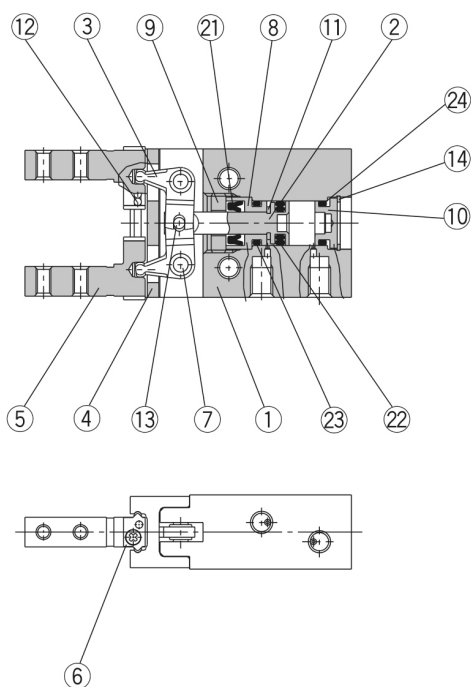
Standard specifications

Action	D (Double Acting)
Finger Option	Basic Style
Body Option	Basic Style
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.15 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	-10 °C
Repeatability	± 0.01 mm
Weight	26 g
Lubrication	Non-Lube
Effective holding force per finger, external (0.5 MPa)	3.3 N
Effective holding force per finger, internal (0.5 MPa)	6.1 N
Opening / closing stroke (both sides)	4 mm
Fluid	Air
Max. operating frequency	180 c.p.m.
Weight	0.026 Kg

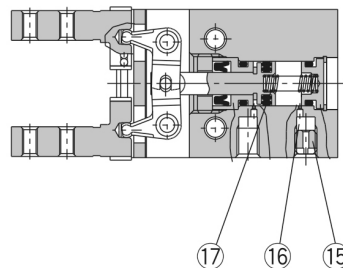


Constructions

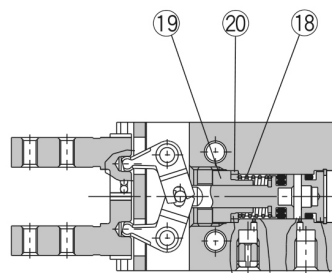
Double acting/with fingers open



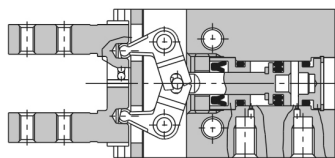
Single acting/normally open



Single acting/normally closed



Double acting/with 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	Holder	Brass	Electroless nickel plated
9	Holder lock	Stainless steel	
10	Cap	Aluminum alloy	Clear anodized
11	Bumper	Urethane rubber	
12	Steel balls	High carbon chromium bearing steel	
13	Needle roller	High carbon chromium bearing steel	

Parts list

No.	Description	Material	Note
14	C type snap ring	Carbon steel	Nickel plated
15	Exhaust plug	Brass	Electroless nickel plated
16	Exhaust filter	Polyvinyl formal	
17	N.O. spring	Stainless steel spring wire	
18	N.C. spring	Stainless steel spring wire	
19	N.C. holder	Brass	Electroless nickel plated
20	N.C. spacer	Stainless steel	
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](#)

[OM_MHZA2_OMD0082EN-A.pdf](#)