

## MHZ2, Air Gripper, Parallel Type, Standard MHZ2-20D

### Datasheet

The MHZ2 series is a standard type parallel air gripper, taking the place of the MHQ(G)2 series. A linear guide provides high rigidity and high accuracy. MHZ2 can operate under higher pressure even at a larger holding point and overhang. High degree of mounting precision is achieved and mounting repeatability is improved.



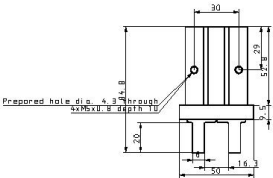
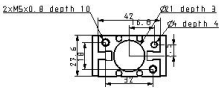
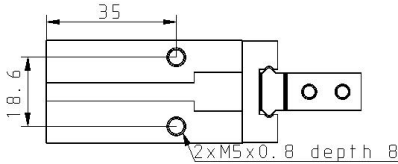
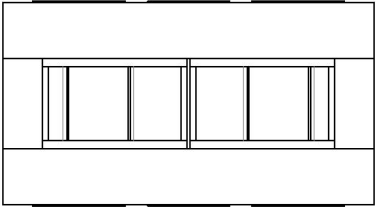
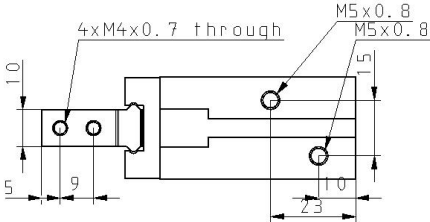
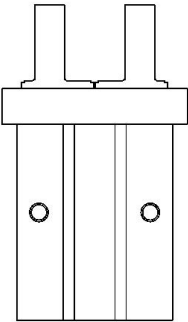
*Gripper, external grip, double-acting with  
permanent magnet on piston*

### Standard specifications

Bore Size	20mm
Action	D (Double Acting)
Finger Position	Standard
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
F007-MIN_OP_PRESSURE	0.1 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	-10 °C (No freezing)
Conform to the European RoHS Directive	Conform
Pneumatic input connection	M5
Pneumatic exhaust connection	M5
Repeatability	± 0.01 mm
Lubrication	Non-lube
Type of gripper	Parallel
Number of pneumatic connections	2

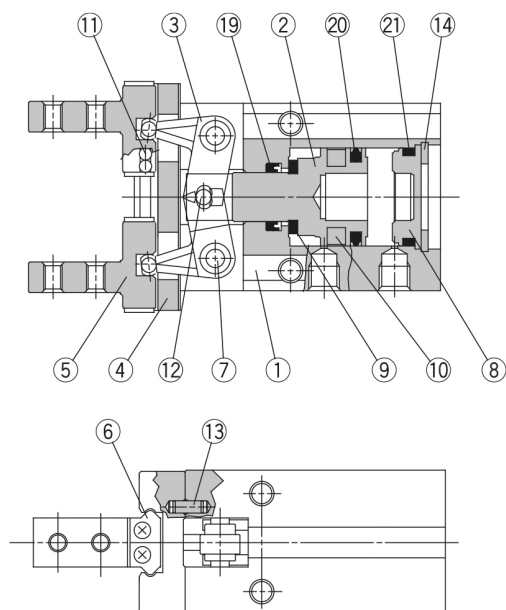
Effective holding force per finger, external (0.5 MPa)	42 N
Effective holding force per finger, internal (0.5 MPa)	66 N
Number of fingers	2
Mode of operation	Double acting
Maximum operating frequency	180 c.p.m.
Opening / closing stroke (both sides)	10 mm
Weight	0.235 Kg

Dimensions

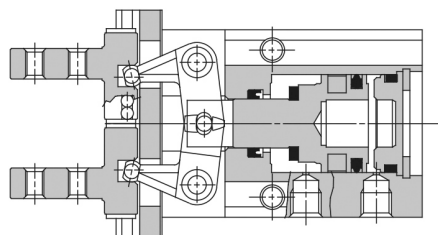


## Constructions

Fingers open



Fingers closed



### Parts list

No.	Description	Material	Note
1	<b>Body</b>	Aluminum alloy	Hard anodized
2	<b>Piston</b>	ø10, ø16: Stainless steel ø20 to ø40: Aluminum alloy	ø20 to ø40: Hard anodized
3	<b>Lever</b>	Stainless steel	Heat treated
4	<b>Guide</b>	Stainless steel	Heat treated
5	<b>Finger</b>	Stainless steel	Heat treated
6	<b>Roller stopper</b>	Stainless steel	
7	<b>Lever shaft</b>	Stainless steel	Nitrided
8	<b>Cap</b>	ø10 to ø25: Synthetic resin ø32, ø40: Aluminum alloy	ø32, ø40: Clear anodized
9	<b>Bumper</b>	Urethane rubber	
10	<b>Rubber magnet</b>	Synthetic rubber	

### Parts list

No.	Description	Material	Note
11	<b>Steel balls</b>	High carbon chromium bearing steel	
12	<b>Needle roller</b>	High carbon chromium bearing steel	
13	<b>Parallel pin</b>	Stainless steel	
14	<b>C type snap ring</b>	Carbon steel	Nickel plated
19	<b>Rod seal</b>	NBR	
20	<b>Piston seal</b>	NBR	
21	<b>Gasket</b>	NBR	

## Additional information

Catalogue

[MHZ\\_EU.pdf](#)

Operation manuals

[OM\\_MHZ2\\_OMD0047EN.pdf](#)