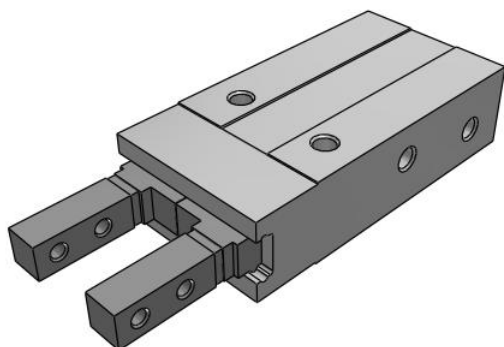




## Standard - MHZ2 MHZ2-6D

### 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.



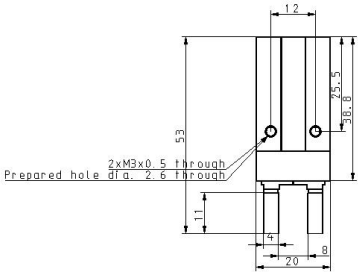
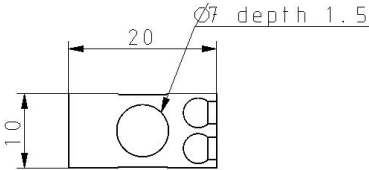
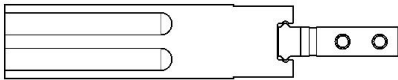
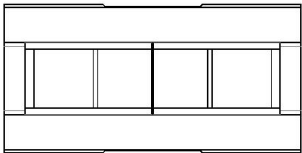
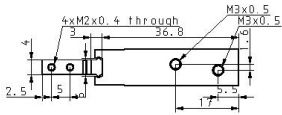
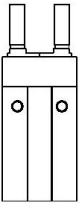
*Gripper, external grip, double-acting with permanent magnet on piston*

### Standard specifications

|                                        |                                           |
|----------------------------------------|-------------------------------------------|
| Bore Size                              | 6 mm                                      |
| Action                                 | D (Double Acting)                         |
| Finger Position                        | 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                                   |
| 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                                  |

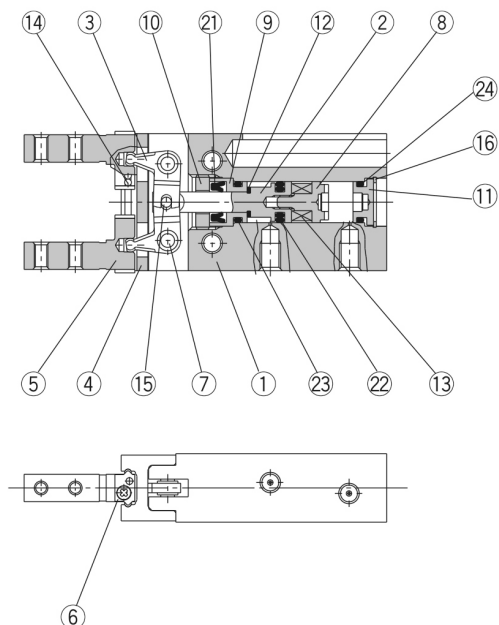
|                                                        |               |
|--------------------------------------------------------|---------------|
| Number of pneumatic connections                        | 2             |
| Effective holding force per finger, external (0.5 MPa) | 3.3 N         |
| 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                                                 | 0.027 Kg      |

Dimensions

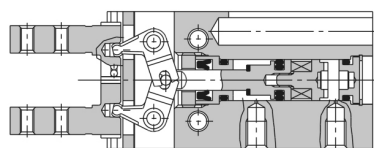


## Constructions

Fingers open



Fingers closed



Parts list

| No. | Description           | Material          | Note                      |
|-----|-----------------------|-------------------|---------------------------|
| 1   | <b>Body</b>           | Aluminum alloy    | Hard anodized             |
| 2   | <b>Piston</b>         | Stainless steel   |                           |
| 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>Magnet holder</b>  | Stainless steel   |                           |
| 9   | <b>Holder</b>         | Brass             | Electroless nickel plated |
| 10  | <b>Holder lock</b>    | Stainless steel   |                           |
| 11  | <b>Cap</b>            | Aluminum alloy    | Clear anodized            |
| 12  | <b>Bumper</b>         | Urethane rubber   |                           |
| 13  | <b>Magnet</b>         | Rare earth magnet | Nickel plated             |

Parts list

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

## Additional information

Catalogue

[MHZ\\_EU.pdf](#)

Operation manuals

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