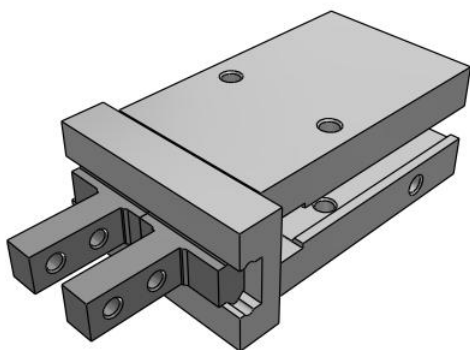


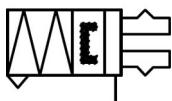


## Standard - MHZ2 MHZ2-10CN

### 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.

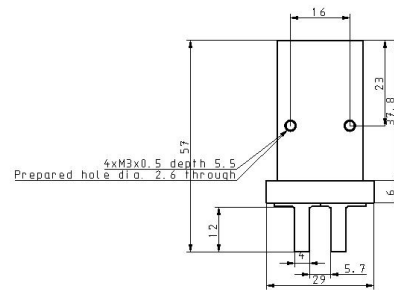
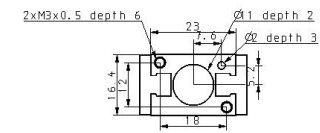
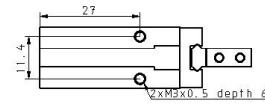
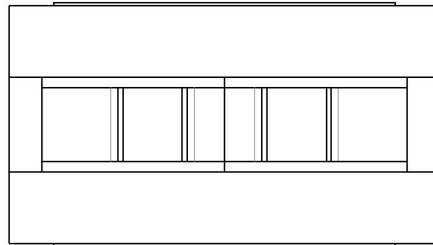
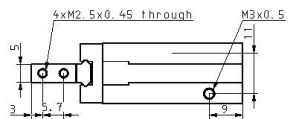
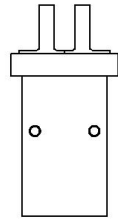


*Gripper, normally closed, single-acting with permanent magnet on piston*

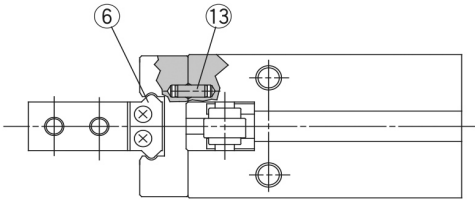
### Standard specifications

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Bore Size                              | 10 mm                                    |
| Action                                 | C (Single Acting (N.C.))                 |
| Number                                 | 2 pcs. (Or None in Case of No Switch)    |
| Finger Position                        | N (Narrow Type)                          |
| Lead Wire or Pre-wired Connector       | 0.5 m (Or None in the Case of No Switch) |
| Auto Switch                            | No Switch                                |
| Body Option                            | Basic Type                               |
| 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             | 0.35 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                        | 1                              |
| Effective holding force per finger, internal (0.5 MPa) | 13 N                           |
| Number of fingers                                      | 2                              |
| Mode of operation                                      | Single acting, normally closed |
| Maximum operating frequency                            | 180 c.p.m.                     |
| Opening / closing stroke (both sides)                  | 4 mm                           |
| Weight                                                 | 0.055 Kg                       |

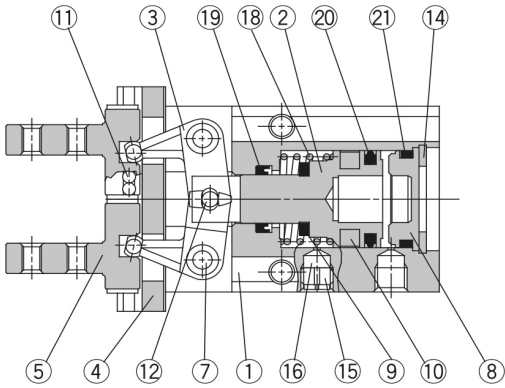


Constructions



Parts list

| No. | Description    | Material                                                | Note                         |
|-----|----------------|---------------------------------------------------------|------------------------------|
| 1   | Body           | Aluminum alloy                                          | Hard anodized                |
| 2   | Piston         | ø10, ø16: Stainless steel<br>ø20 to ø40: Aluminum alloy | ø20 to ø40:<br>Hard anodized |
| 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   | Cap            | ø10 to ø25: Synthetic resin<br>ø32, ø40: Aluminum alloy | ø32, ø40:<br>Clear anodized  |
| 9   | Bumper         | Urethane rubber                                         |                              |
| 10  | Rubber magnet  | Synthetic rubber                                        |                              |



Parts list

| No. | Description      | Material                           | Note                      |
|-----|------------------|------------------------------------|---------------------------|
| 11  | Steel balls      | High carbon chromium bearing steel |                           |
| 12  | Needle roller    | High carbon chromium bearing steel |                           |
| 13  | Parallel pin     | Stainless steel                    |                           |
| 14  | C type snap ring | Carbon steel                       | Nickel plated             |
| 15  | Exhaust plug A   | Brass                              | Electroless nickel plated |
| 16  | Exhaust filter A | Polyvinyl formal                   |                           |
| 17  | N.O. spring      | Stainless steel spring wire        |                           |
| 19  | Rod seal         | NBR                                |                           |
| 20  | Piston seal      | NBR                                |                           |
| 21  | Gasket           | NBR                                |                           |

## Additional information

Catalogue

[MHZ\\_EU.pdf](#)

Operation manuals

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