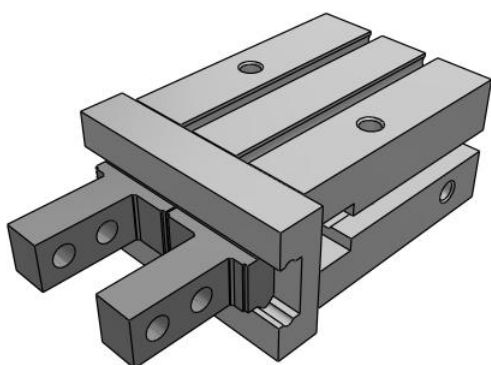


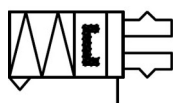


## Standard - MHZ2 MHZ2-20C2

### 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.



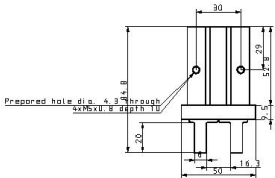
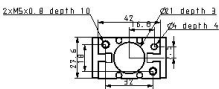
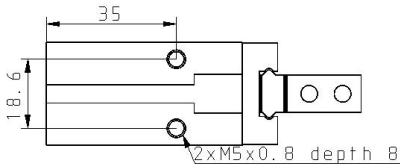
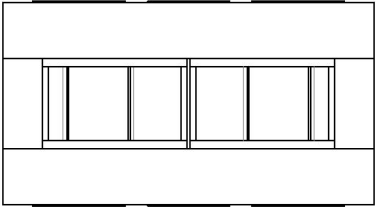
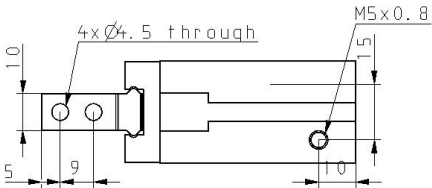
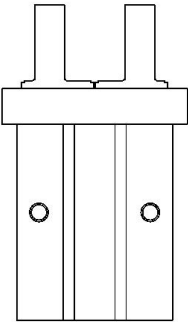
*Gripper, normally closed, single-acting with permanent magnet on piston*

### Standard specifications

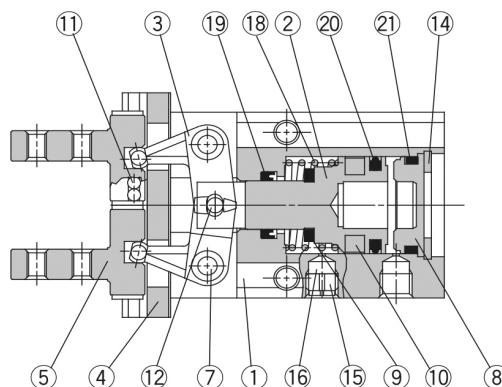
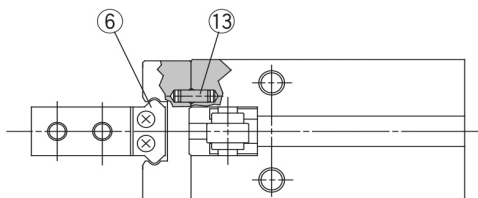
|                                        |                                           |
|----------------------------------------|-------------------------------------------|
| Bore Size                              | 20 mm                                     |
| Action                                 | C (Single Acting N.C.)                    |
| 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             | 0.25 MPa                                  |
| Maximum ambient temperature            | 60 °C                                     |
| Minimum ambient temperature            | -10 °C (No freezing)                      |
| Pneumatic input connection             | M5                                        |
| Pneumatic exhaust connection           | M5                                        |
| 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) | 57 N                           |
| Number of fingers                                      | 2                              |
| Mode of operation                                      | Single acting, normally closed |
| Maximum operating frequency                            | 180 c.p.m.                     |
| Opening / closing stroke (both sides)                  | 10 mm                          |
| Weight                                                 | 0.226 Kg                       |

Dimensions



## Constructions



### Parts list

| No. | Description           | Material                                                | Note                         |
|-----|-----------------------|---------------------------------------------------------|------------------------------|
| 1   | <b>Body</b>           | Aluminum alloy                                          | Hard anodized                |
| 2   | <b>Piston</b>         | ø10, ø16: Stainless steel<br>ø20 to ø40: Aluminum alloy | ø20 to ø40:<br>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<br>ø32, ø40: Aluminum alloy | ø32, ø40:<br>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             |
| 15  | <b>Exhaust plug A</b>   | Brass                              | Electroless nickel plated |
| 16  | <b>Exhaust filter A</b> | Polyvinyl formal                   |                           |
| 17  | <b>N.O. spring</b>      | Stainless steel spring wire        |                           |
| 19  | <b>Rod seal</b>         | NBR                                |                           |
| 20  | <b>Piston seal</b>      | NBR                                |                           |
| 21  | <b>Gasket</b>           | NBR                                |                           |

## Additional information

Catalogue

[MHZ\\_EU.pdf](#)