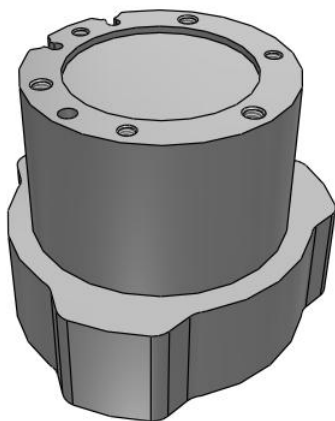




## Standard with Dust Cover - MHSJ3 MHSJ3-50DF

### Datasheet

### General series information

- Maximum gripping force 525 N at 0.5 MPa
- Double acting
- Repeatability:  $\pm 0.01$  mm
- Max. operating frequency: 120 c.p.m.

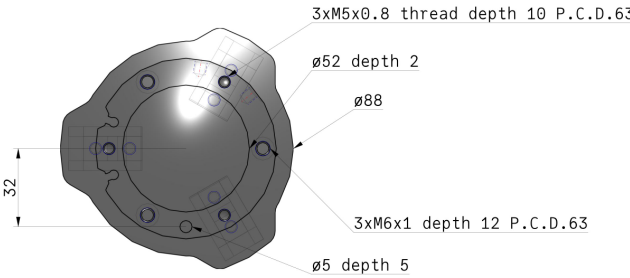
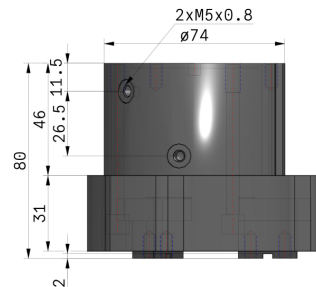
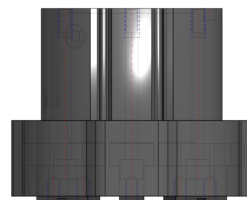
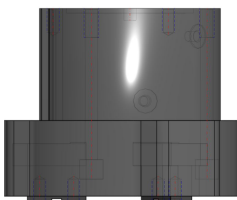
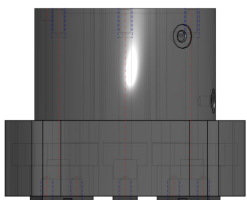
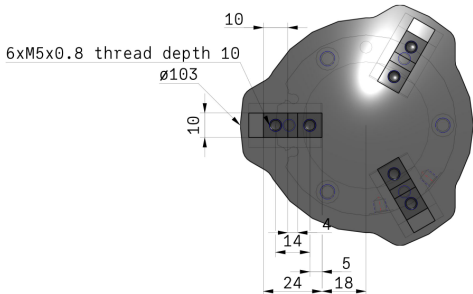


*Gripper, internal grip, double-acting with permanent magnet on piston*

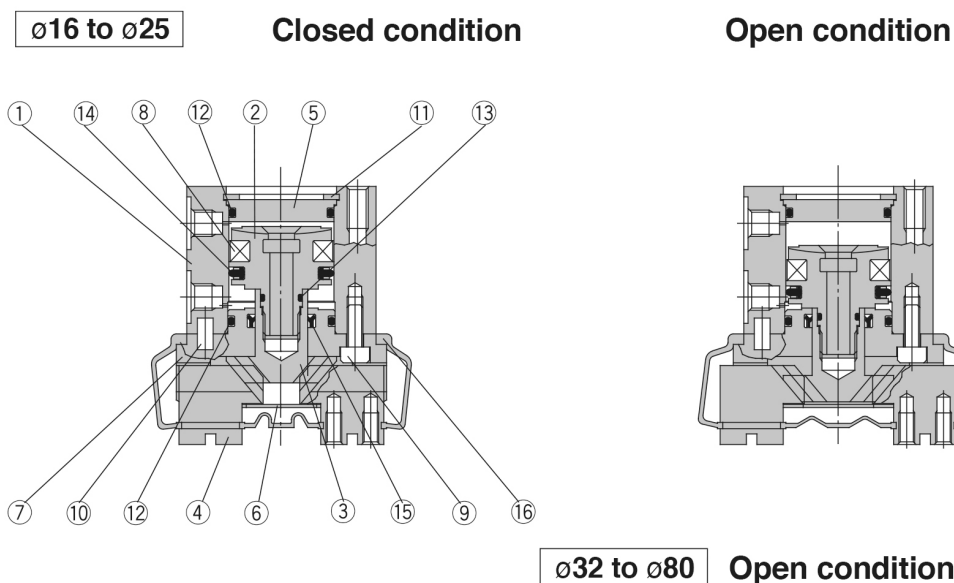
### Standard specifications

|                                                        |                                          |
|--------------------------------------------------------|------------------------------------------|
| Bore Size                                              | 50 mm                                    |
| Port Thread                                            | Bore 16-63: M Thread; Bore 80: Rc        |
| Dust Cover                                             | F (Fluoro Rubber)                        |
| Auto Switch                                            | No Switch                                |
| Lead Wire or Prewired Connector                        | 0.5m (Or None in the Case of No Switch)  |
| Suffix for Auto Switch                                 | 2 pcs (Or None in the Case of No Switch) |
| Special Specifications                                 | None                                     |
| Maximum operating pressure                             | 0.6 MPa                                  |
| Minimum operating pressure                             | 0.1 MPa                                  |
| Maximum ambient temperature                            | 60 °C                                    |
| Minimum ambient temperature                            | -10 °C                                   |
| Repeatability                                          | $\pm 0.01$ mm                            |
| Lubrication                                            | Non-lube                                 |
| Effective holding force per finger, external (0.5 MPa) | 155 N                                    |
| Effective holding force per finger, internal (0.5 MPa) | 204 N                                    |
| Maximum operating frequency                            | 60 c.p.m.                                |
| Fluid                                                  | Air                                      |
| Action                                                 | Double Acting                            |
| Stroke per gripper jaw                                 | 12 mm                                    |

|        |          |
|--------|----------|
| Weight | 1.050 Kg |
|--------|----------|



## Constructions



### Parts list

| No. | Description          | Material                    | Note                            |
|-----|----------------------|-----------------------------|---------------------------------|
| 1   | <b>Body</b>          | Aluminum alloy              | Hard anodized                   |
| 2   | <b>Piston</b>        | ø16 to ø25: Stainless steel |                                 |
|     |                      | ø32 to ø80: Aluminum alloy  | Hard anodized                   |
| 3   | <b>Cam (J)</b>       | Carbon steel                | Heat treated, Specially treated |
| 4   | <b>Finger</b>        | Carbon steel                | Heat treated, Specially treated |
| 5   | <b>Cap (J)</b>       | Aluminum alloy              | Hard anodized                   |
| 6   | <b>End plate (J)</b> | Stainless steel             |                                 |
| 7   | <b>Guide</b>         | Aluminum alloy              | Hard anodized                   |

| No. | Description                      | Material         | Note          |
|-----|----------------------------------|------------------|---------------|
| 8   | <b>Rubber magnet</b>             | Synthetic rubber |               |
| 9   | <b>Hexagon socket head screw</b> | Carbon steel     | Nickel plated |
| 10  | <b>Parallel pin</b>              | Stainless steel  |               |
| 11  | <b>C type snap ring</b>          | Carbon steel     | Nickel plated |
| 12  | <b>Gasket</b>                    | NBR              |               |
| 13  | <b>Gasket</b>                    | NBR              |               |
| 14  | <b>Piston seal</b>               | NBR              |               |
| 15  | <b>Rod seal</b>                  | NBR              |               |

## Additional information

Catalogue

[MHS\\_EU.pdf](#)