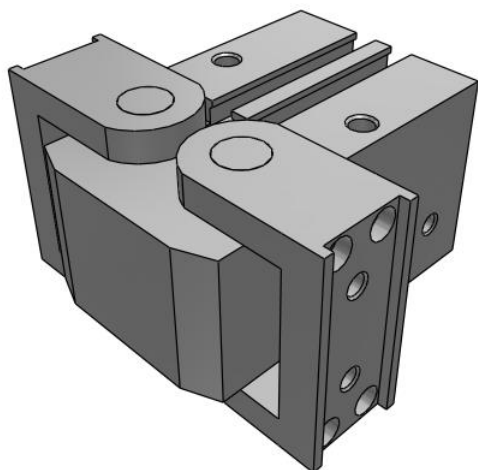


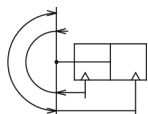


## Rack & Pinion Style - MHW2 MHW2-25D

### Datasheet

### General series information

- Maximum gripping moment 8.27 Nm at 0.5 MPa
- Finger opening angle from -6° to 180°
- Double acting
- Repeatability:  $\pm 0.2$  mm
- Max. operating frequency: 60 c.p.m.

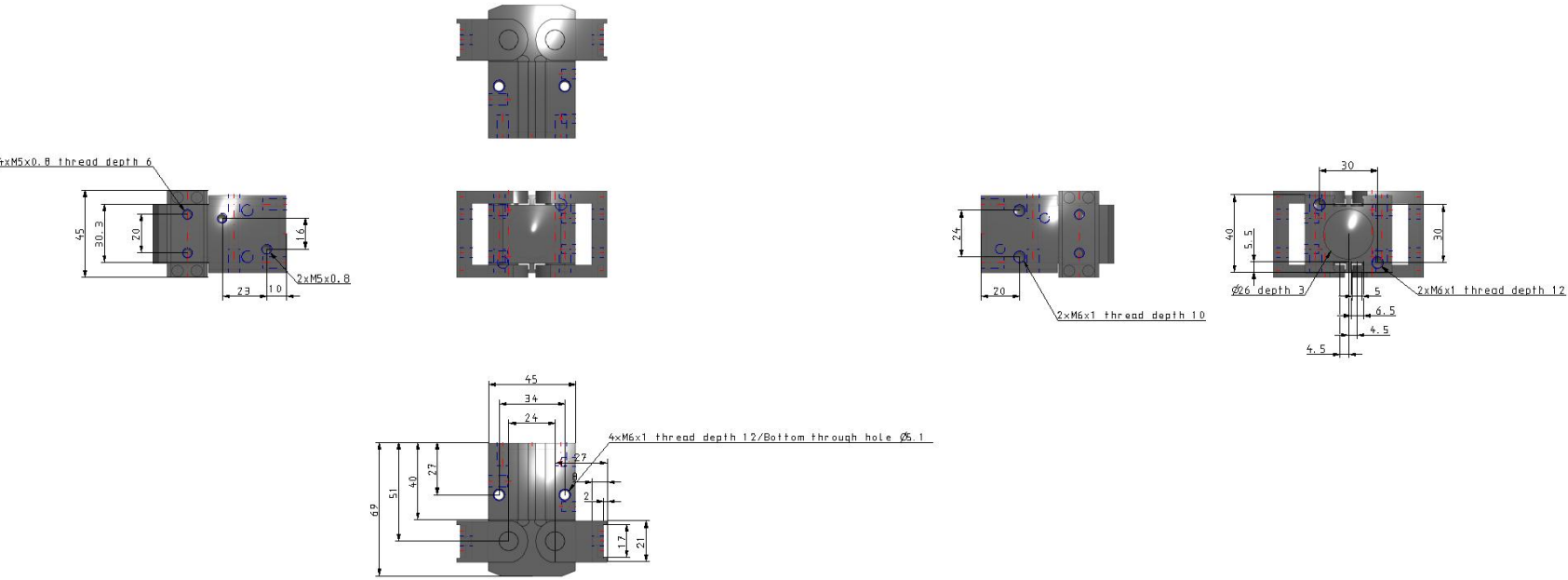


Angular gripper, cam style

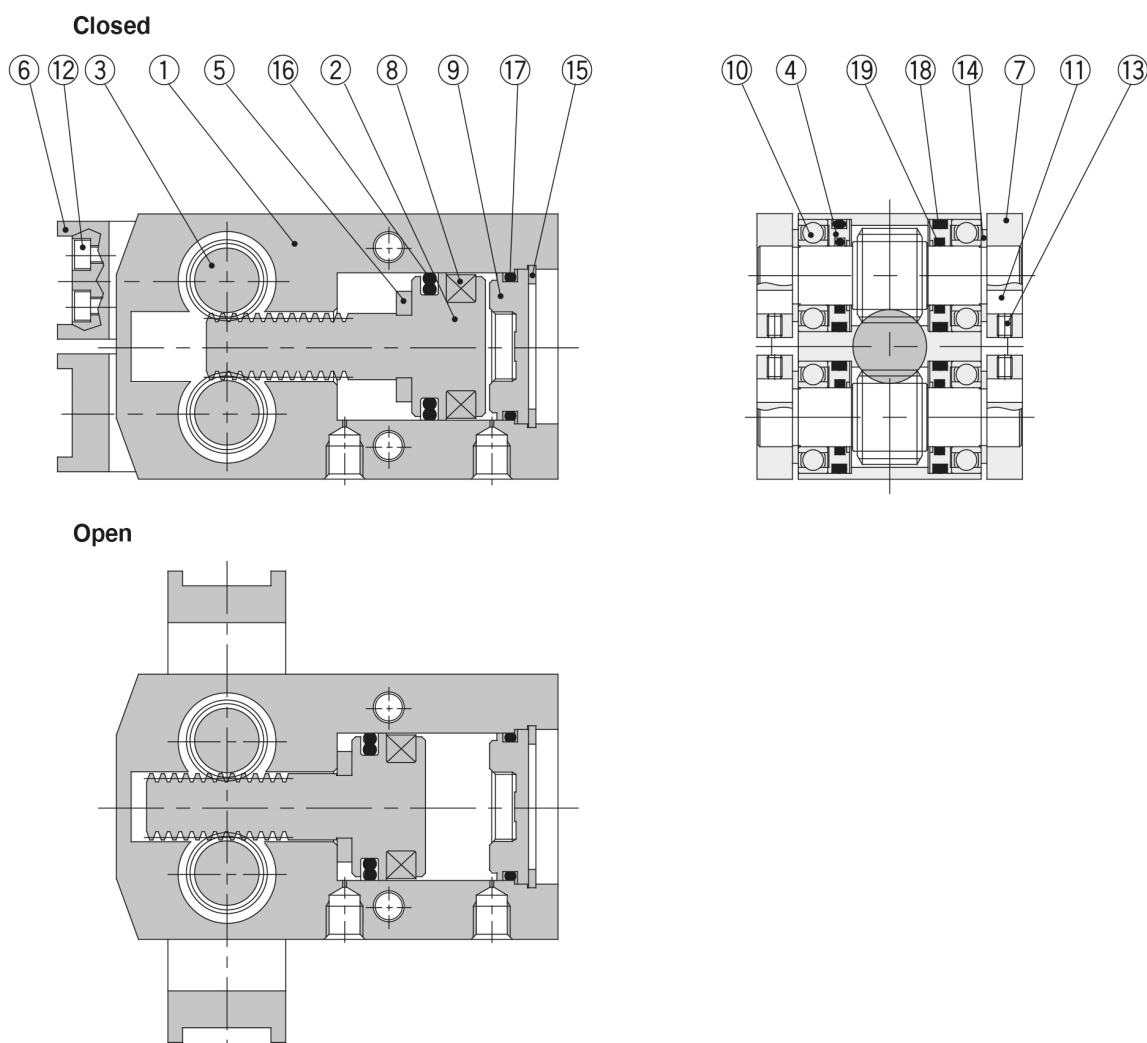
### Standard specifications

|                                                |                                           |
|------------------------------------------------|-------------------------------------------|
| Bore Size                                      | 25 mm                                     |
| Thread Type                                    | Rc (or M Thread for 20 & 25 Bore)         |
| Finger Option                                  | Flat Finger Mounting Style (Standard)     |
| 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) |
| Maximum operating pressure                     | 0.7 MPa                                   |
| Minimum operating pressure                     | 0.15 MPa                                  |
| Maximum ambient temperature                    | 60 °C                                     |
| Minimum ambient temperature                    | -10 °C                                    |
| F124- Max-operating-frequency                  | 60 c.p.m                                  |
| Repeatability                                  | $\pm 0.2$ mm                              |
| Applicable fluid                               | Air                                       |
| Lubrication                                    | Non lube                                  |
| Effective holding force per finger (0.5 MPa)   | 0.73 N m                                  |
| Action                                         | Double acting                             |
| Opening / closing stroke (both sides), closing | -6°                                       |
| Opening / closing stroke (both sides), opening | 180°                                      |

Dimensions



## Constructions



### Component Parts

| No. | Description          | Material         | Note           |
|-----|----------------------|------------------|----------------|
| ①   | <b>Body</b>          | Aluminum alloy   | Hard anodized  |
| ②   | <b>Piston</b>        | Stainless steel  | Nitriding      |
| ③   | <b>Pinion gear</b>   | Carbon steel     | Heat treatment |
| ④   | <b>Seal cover</b>    | Brass            |                |
| ⑤   | <b>Bumper</b>        | Urethane rubber  |                |
| ⑥   | <b>Finger (A)</b>    | Carbon steel     |                |
| ⑦   | <b>Finger (B)</b>    | Carbon steel     |                |
| ⑧   | <b>Rubber magnet</b> | Synthetic rubber |                |

### Component Parts

| No. | Description                      | Material                  | Note          |
|-----|----------------------------------|---------------------------|---------------|
| ⑨   | <b>Cap</b>                       | ø20, 25: Resin            |               |
|     |                                  | ø32 to 50: Aluminum alloy | Hard anodized |
| ⑩   | <b>Ball bearing</b>              | Carbon steel              | Shield type   |
| ⑪   | <b>Key</b>                       | Carbon steel              |               |
| ⑫   | <b>Hexagon socket head screw</b> | Carbon steel              |               |
| ⑬   | <b>Hexagon socket cap screw</b>  | Carbon steel              |               |
| ⑭   | <b>C-shape snap ring</b>         | Carbon steel              |               |
| ⑮   | <b>C-shape snap ring</b>         | Carbon steel              |               |

## Additional information

Catalogue

[MHW2-A\\_EU.pdf](#)