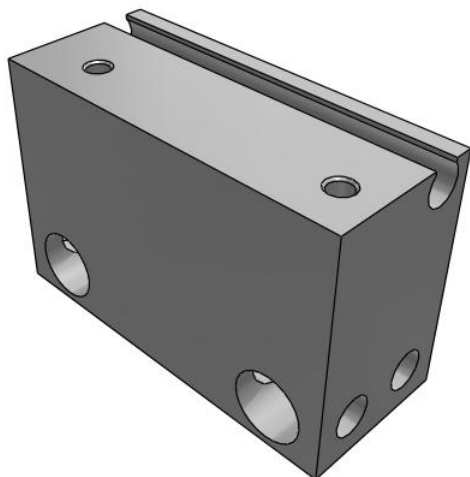




## C(D)UJ, Miniature Free Mount Cylinder CUJB12-25D

### Datasheet

### General series information

- Miniature free mount
- Space saving compact cylinder
- Available in 4mm to 20mm bore size.

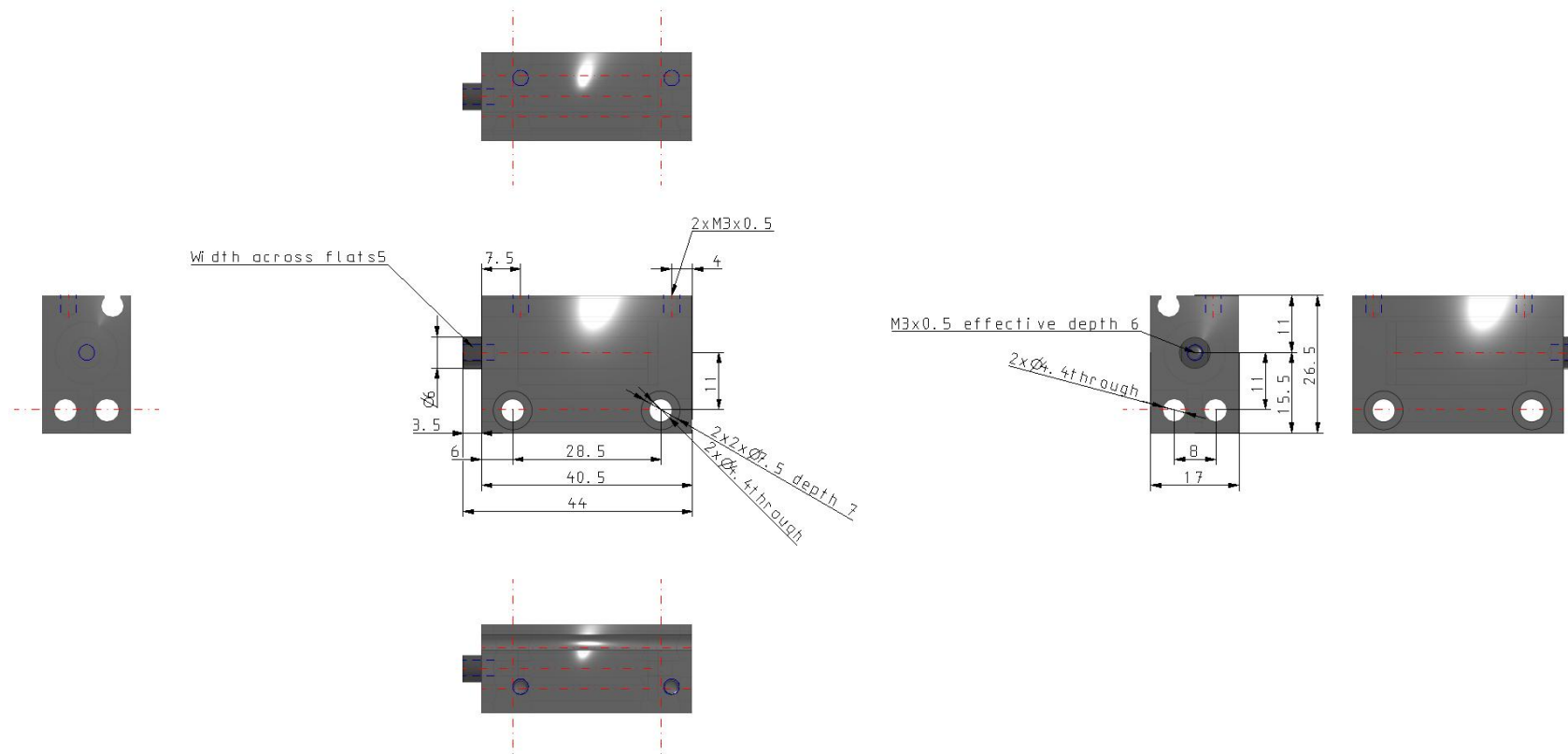


Double-acting, single-rod cylinder

### Standard specifications

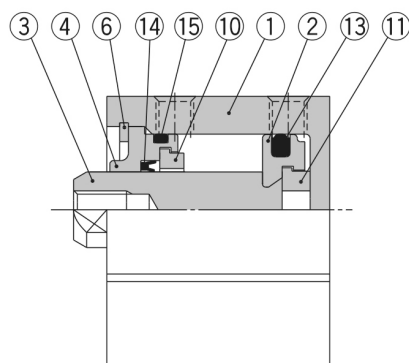
| Clean Series                                            | Without Clean Series                      |
|---------------------------------------------------------|-------------------------------------------|
| Magnet                                                  | None                                      |
| Mounting Direction                                      | B (Lateral Mounting)                      |
| Bore Size                                               | 12                                        |
| Stroke                                                  | 25 mm                                     |
| Action                                                  | D (Double Acting)                         |
| Rod End Thread                                          | Rod End Female Thread (w/o Thread for ø4) |
| 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 operating pressure                              | 0.7 MPa                                   |
| Minimum operating pressure                              | 0.07 MPa                                  |
| Proof pressure                                          | 1.05 MPa                                  |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 57 N                                      |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 42 N                                      |
| Type of cushioning                                      | Rubber bumper                             |
| Female thread of rod end                                | Standard                                  |
| Ambient and fluid temperature                           | -10 °C - 60 °C                            |
| Stroke length tolerance                                 | 0 - +1.0                                  |

|                                 |               |
|---------------------------------|---------------|
| F449 - Rod_end_thread_tolerance | JIS class 2   |
| F450 - Mounting                 | Through-hole  |
| Piston speed                    | 50 - 500 mm/s |

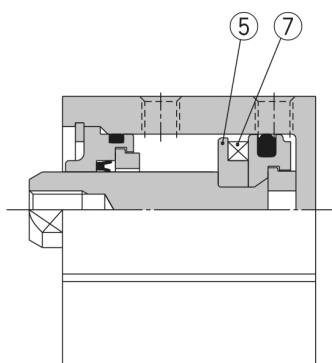


## Constructions

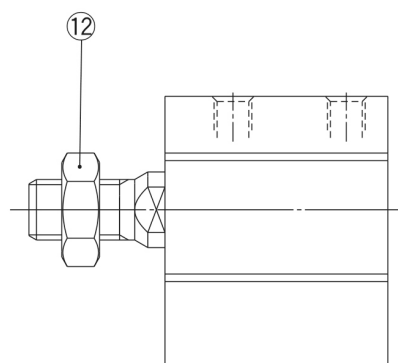
### Double Acting



Without magnet



Built-in magnet



Rod end male threaded

### Component Parts

| No. | Description                | Material                       | Note                     |
|-----|----------------------------|--------------------------------|--------------------------|
| 1   | Cylinder tube              | Aluminum alloy                 | Hard anodized            |
| 2   | Piston                     | Aluminum alloy                 | Trivalent chromated      |
| 3   | Piston rod                 | Stainless steel                |                          |
| 4   | Collar                     | Aluminum alloy                 | Hard anodized            |
| 5   | Magnet holder              | Aluminum alloy                 | Trivalent chromated      |
| 6   | Retaining ring             | Steel for special applications | Phosphate coated         |
| 7   | Magnet                     | —                              |                          |
| 8   | Return spring              | Steel wire                     | Zinc trivalent chromated |
| 9   | Element                    | Bronze casted                  | (for Ø 12, Ø 16)         |
|     | Plug with fixed restrictor | Structural steel               | Nickel plated (for Ø 20) |
| 10  | Damper A                   | Resin                          |                          |
| 11  | Damper B                   | Resin                          |                          |
| 12  | Rod end nut                | Steel wire                     | Nickel plated            |
| 13  | Piston seal                | NBR                            |                          |
| 14  | Rod seal                   | NBR                            |                          |
| 15  | O-ring                     | NBR                            |                          |

## Additional information

Catalogue

[CUJ-C\\_EU.pdf](#)

Operation manuals

[cuj\\_cuj\\_-om0001j.pdf](#)