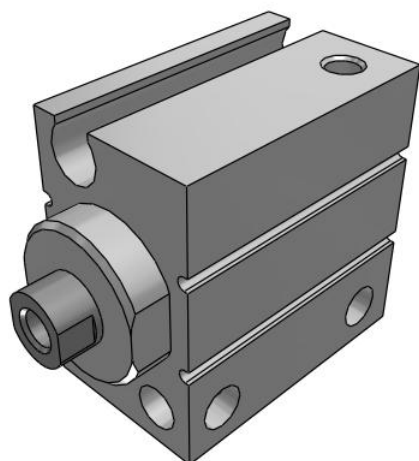


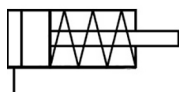


## C(D)UJ, Miniature Free Mount Cylinder CUJB8-8S

### Datasheet

### General series information

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

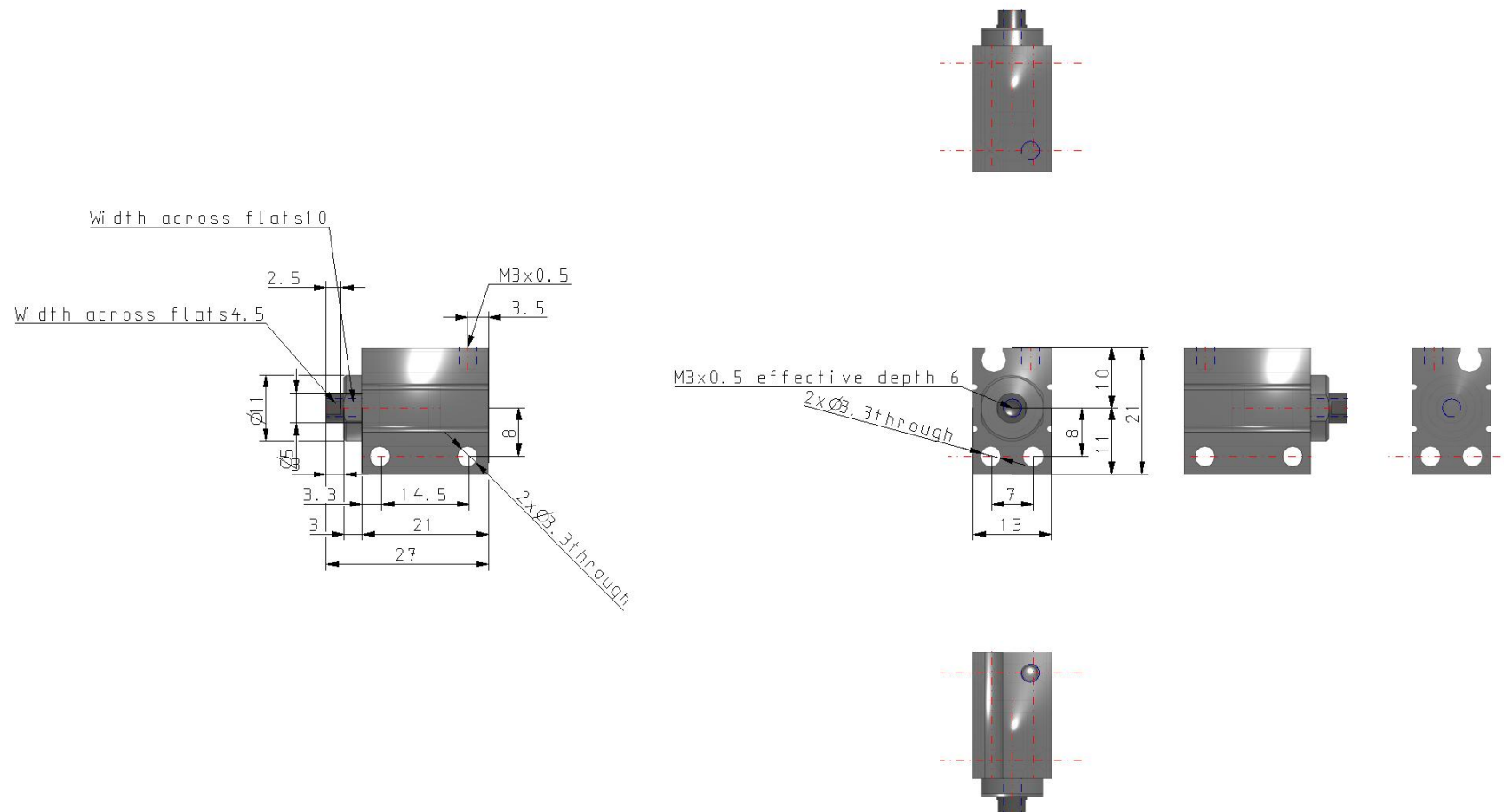


Single-acting cylinder, single piston rod, return stroke by spring

### Standard specifications

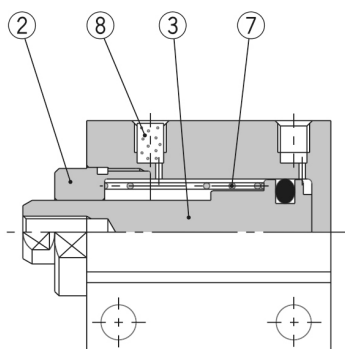
| Clean Series                                            | Without Clean Series                      |
|---------------------------------------------------------|-------------------------------------------|
| Magnet                                                  | None                                      |
| Mounting Direction                                      | B (Lateral Mounting)                      |
| Bore Size                                               | 8                                         |
| Stroke                                                  | 8 mm                                      |
| Action                                                  | S (Single Acting Spring Return)           |
| 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                              | 0.3 MPa                                   |
| Proof pressure                                          | 1.05 MPa                                  |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 25.13 N                                   |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 15.31 N                                   |
| Female thread of rod end                                | Standard                                  |
| Ambient and fluid temperature                           | -10 °C - 60 °C                            |
| Stroke length tolerance                                 | 0 - +0.5                                  |
| F449 - Rod_end_thread_tolerance                         | JIS class 2                               |

|                 |               |
|-----------------|---------------|
| F450 - Mounting | Through-hole  |
| Piston speed    | 50 - 500 mm/s |
| Weight          | 0.018 Kg      |

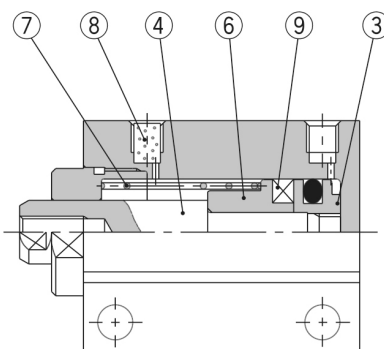


## Constructions

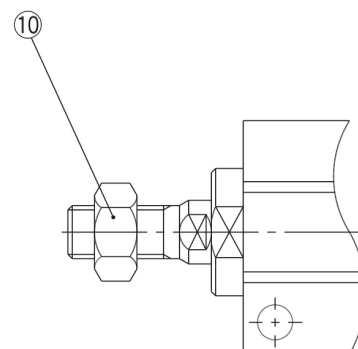
### Single Acting, Spring Return



Without magnet



Built-in magnet



Rod end male threaded

### Component Parts

| No. | Description     | Material                          | Note                      |
|-----|-----------------|-----------------------------------|---------------------------|
| 1   | Cylinder tube   | Aluminum alloy                    | Hard anodized             |
| 2   | Rod cover       | Copper alloy                      | Electroless nickel plated |
| 3   | Piston          | Without switch<br>Stainless steel |                           |
|     |                 | With switch<br>Aluminum alloy     | Chromated                 |
| 4   | Piston rod      | Stainless steel                   |                           |
| 5   | Seal retainer   | Aluminum alloy                    | Chromated (CUJB4 only)    |
| 6   | Magnet retainer | Aluminum alloy                    | Chromated                 |
| 7   | Return spring   | Piano wire                        |                           |
| 8   | Bronze element  | Sintered metallic BC              |                           |
| 9   | Magnet          | —                                 |                           |
| 10  | Rod end nut     | Iron                              | Nickel plated             |
| 11  | Piston seal     | NBR                               |                           |
| 12  | Rod seal        | NBR                               |                           |
| 13  | Tube gasket     | NBR                               |                           |

## Additional information

|                   |                                      |
|-------------------|--------------------------------------|
| Catalogue         | <a href="#">CUJ-C_EU.pdf</a>         |
| Operation manuals | <a href="#">cuj_cuj_-om0001j.pdf</a> |