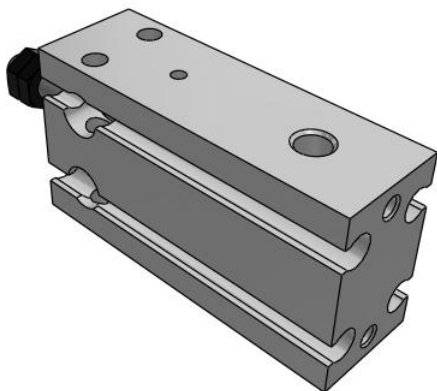


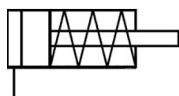


## C(D)U, Free Mount Cylinder, Single Acting CU10-10S

### Datasheet

### General series information

- Bore sizes from 6mm to 32mm available
- Stroke lengths up to 15mm
- Spring return, spring extend
- Space saving
- Auto-switch capable



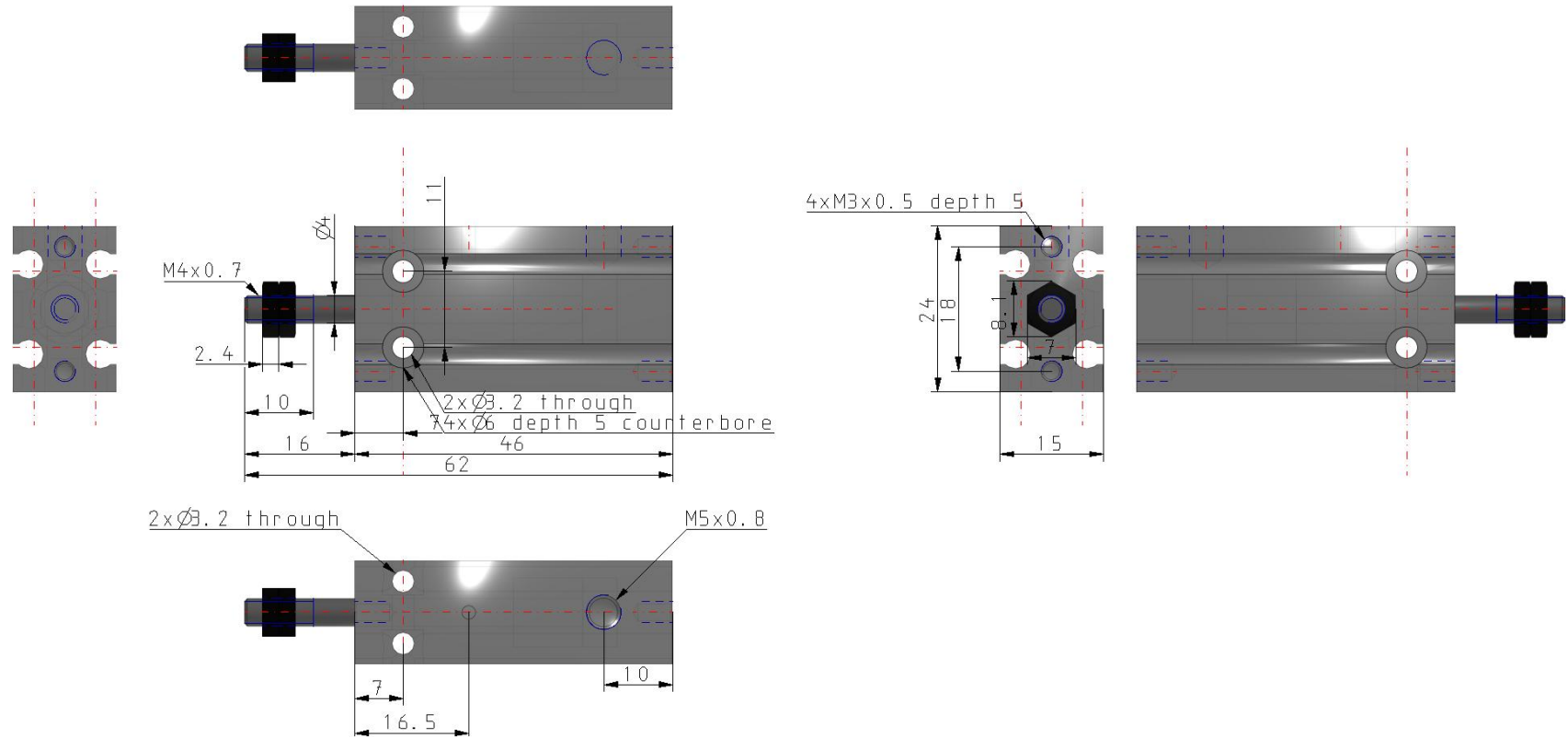
Single-acting cylinder, single piston rod, return stroke by spring

### Standard specifications

|                                                         |                                          |
|---------------------------------------------------------|------------------------------------------|
| Magnet                                                  | None                                     |
| Bore Size                                               | 10 mm                                    |
| Port Thread                                             | M5 x 0.8; Rc1/8 for Ø32                  |
| Stroke                                                  | 10mm                                     |
| Action                                                  | S (Single Acting, Spring Return)         |
| Auto Switch                                             | No Switch                                |
| Lead Wire or Pre-wired Connector                        | 0.5 m (Or None in the Case of No Switch) |
| Number                                                  | 2 pcs. (Or None in Case of No Switch)    |
| Maximum operating pressure                              | 0.7 MPa                                  |
| Minimum operating pressure                              | 0.15 MPa                                 |
| Proof pressure                                          | 1.05 MPa                                 |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 32.4 N                                   |
| Type of cushioning                                      | Rubber Bumper                            |
| Piston rod end                                          | Male Thread                              |
| Lubrication                                             | Non-lube                                 |
| Fluid                                                   | Air                                      |
| Ambient and fluid temperature                           | -10 - 70 °C                              |
| Stroke length tolerance                                 | 0+1.0 mm                                 |

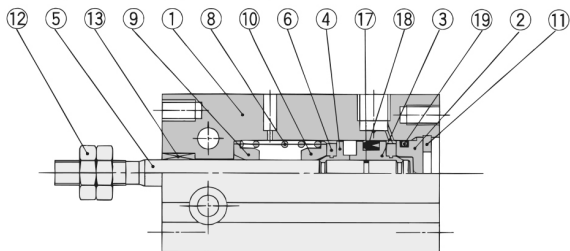
|                  |               |
|------------------|---------------|
| Thread Tolerance | JIS Class2    |
| Piston speed     | 50 - 500 mm/s |
| Weight           | 0.040 Kg      |

Dimensions



## Constructions

### ø10 Single acting, Spring return



#### Component Parts

| No. | Description   | Material        | Note                                 |
|-----|---------------|-----------------|--------------------------------------|
| 1   | Cylinder tube | Aluminum alloy  | Hard anodized                        |
| 2   | Head cover    | Brass           | ø6 to ø10, Electroless nickel plated |
|     |               | Aluminum alloy  | ø16 to ø32, Clear chromated          |
| 3   | Piston        | Brass           | ø6 to ø10                            |
|     |               | Aluminum alloy  | ø16 to ø32, Chromated                |
| 4   | Piston        | Brass           | ø10                                  |
| 5   | Piston rod    | Stainless steel |                                      |
| 6   | Bumper A      | Urethane        |                                      |
| 7   | Bumper B      | Urethane        |                                      |
| 8   | Return spring | Piano wire      | Zinc chromated                       |

#### Component Parts

| No. | Description   | Material                       | Note             |
|-----|---------------|--------------------------------|------------------|
| 9   | Spring seat   | Brass                          |                  |
| 10  | Spring seat   | Brass                          |                  |
| 11  | Snap ring     | Carbon tool steel              | Phosphate coated |
| 12  | Rod end nut   | Carbon steel                   | Nickel plated    |
| 13  | Bushing       | Oil-impregnated sintered alloy |                  |
| 14  | Magnet holder | Brass                          | ø6               |
| 15  | Magnet        | Magnetic material              |                  |
| 16  | Auto switch   | —                              |                  |
| 17  | Piston gasket | NBR                            |                  |
| 18* | Piston seal   |                                |                  |
| 19* | Gasket        |                                |                  |

## Additional information

Catalogue

[CU\\_B\\_EU.pdf](#)

Operation manuals

[OM\\_CU\\_OM0002EN-A.pdf](#)