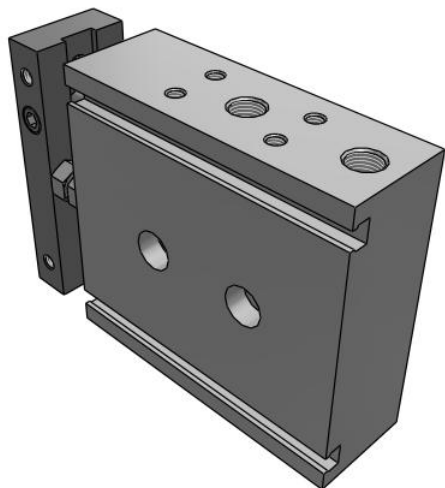




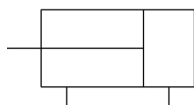
## CXSM, Dual Piston Rods, Slide Bearing

### CXSM25TF-15

#### Datasheet

### General series information

- Dual rod cylinder with slide bearing
- Bore sizes: 6, 10, 15, 20, 25, 32 (mm)
- Strokes from 10mm through 100mm depending upon bore size
- Variety of switches and a variety of lead wire lengths

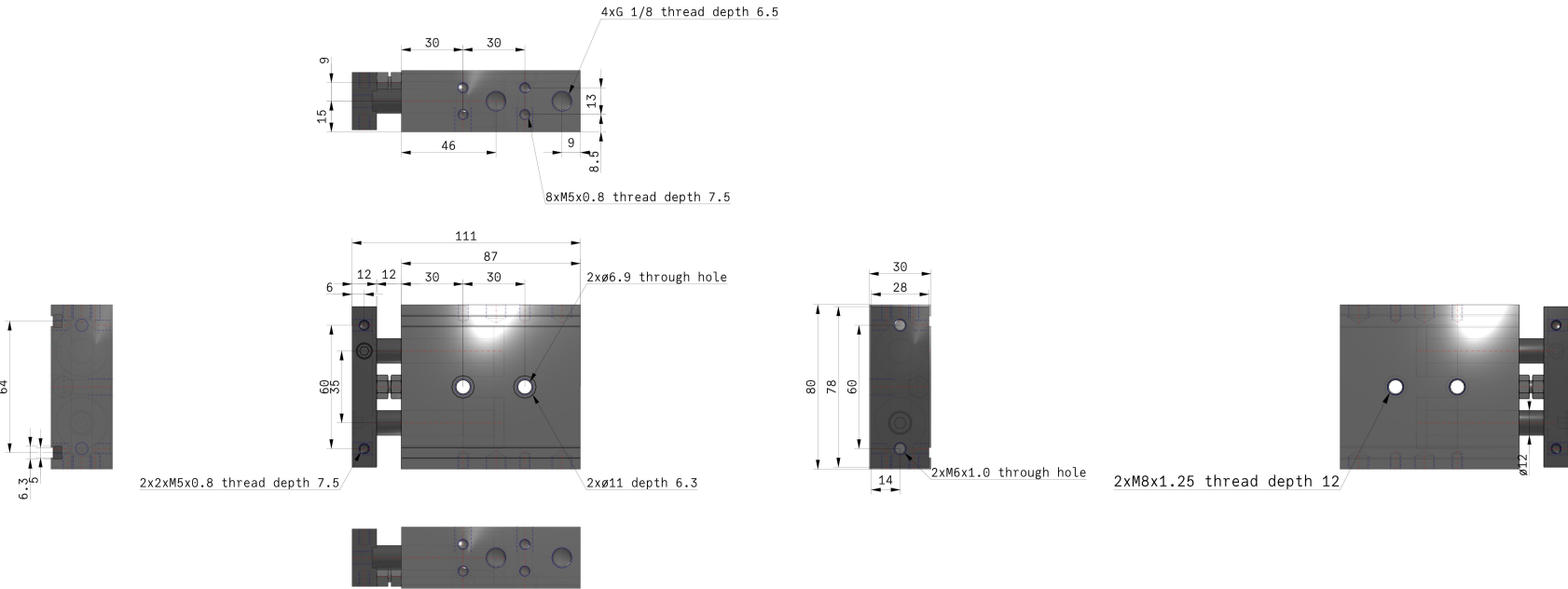


Double-acting, single-rod cylinder

### Standard specifications

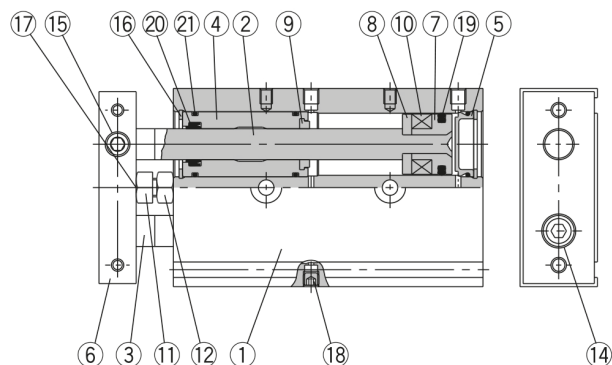
|                                  |                                           |
|----------------------------------|-------------------------------------------|
| Bore Size                        | 25 mm                                     |
| Thread                           | TF (Ø25, Ø32 Bore: G 1/8)                 |
| Lube-retainer                    | Without Stable Lubrication Function       |
| Stroke                           | 15 mm                                     |
| 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 the Case of No Switch) |
| Pressure medium                  | Air (non-lube)                            |
| Maximum operating pressure       | 0.7 MPa                                   |
| Minimum operating pressure       | 0.05 MPa                                  |
| Proof pressure                   | 1.05 MPa                                  |
| Maximum ambient temperature      | 60 °C                                     |
| Minimum ambient temperature      | -10 °C                                    |
| Type of cushioning               | Rubber Bumper                             |
| Port size                        | 0.125                                     |
| Piston speed                     | 30 - 600 mm/s                             |
| Stroke adjustable range          | 0 to -5mm compared to the standard stroke |

Dimensions



## Constructions

CXSM20 to 32



### Parts list

| No. | Description                          | Material                         | Note               |
|-----|--------------------------------------|----------------------------------|--------------------|
| 1   | <b>Housing</b>                       | Aluminum alloy                   | Hard anodized      |
| 2   | <b>Piston rod A</b>                  | Carbon steel <sup>Note 1)</sup>  | Hard chrome plated |
| 3   | <b>Piston rod B</b>                  | Carbon steel <sup>Note 1)</sup>  | Hard chrome plated |
| 4   | <b>Rod cover/Bearing</b>             | Aluminum alloy                   |                    |
| 5   | <b>Head cover</b>                    | Special steel <sup>Note 2)</sup> |                    |
| 6   | <b>Plate</b>                         | Aluminum alloy                   | Hard anodized      |
| 7   | <b>Piston A</b>                      | Aluminum alloy                   | Chromated          |
| 8   | <b>Piston B</b>                      | Aluminum alloy                   | Chromated          |
| 9   | <b>Bumper A</b>                      | Polyurethane                     |                    |
| 10  | <b>Magnet</b>                        | Magnetic material                |                    |
| 11  | <b>Bumper bolt</b>                   | Carbon steel                     | Nickel plated      |
| 12  | <b>Hexagon nut</b>                   | Carbon steel                     | Nickel plated      |
| 13  | <b>Bumper B</b>                      | Polyurethane                     |                    |
| 14  | <b>Hexagon socket head cap screw</b> | Chromium steel                   | Nickel plated      |
| 15  | <b>Hexagon socket head set screw</b> | Chromium steel                   | Nickel plated      |
| 16  | <b>Snap ring</b>                     | Special steel                    | Nickel plated      |



Note 1) Stainless steel for CXSM6.

Note 2) Anodized aluminum alloy for CXSM6.

### Parts list

| No. | Description          | Material       | Note               |
|-----|----------------------|----------------|--------------------|
| 17  | <b>Bumper</b>        | Polyurethane   |                    |
| 18  | <b>Plug</b>          | Chromium steel | Nickel plated      |
| 19  | <b>Piston seal</b>   | NBR            |                    |
| 20  | <b>Rod seal</b>      | NBR            |                    |
| 21  | <b>O-ring</b>        | NBR            |                    |
| 22  | <b>Head cover B</b>  | Aluminum alloy | Nickel plated      |
| 23  | <b>Seal retainer</b> | Aluminum alloy |                    |
| 24  | <b>Port spacer</b>   | Aluminum alloy |                    |
| 25  | <b>Steel ball</b>    | Special steel  | Hard chrome plated |
| 26  | <b>Snap ring B</b>   | Special steel  | Nickel plated      |

## Additional information

Catalogue

[CXS\\_EU.pdf](#)