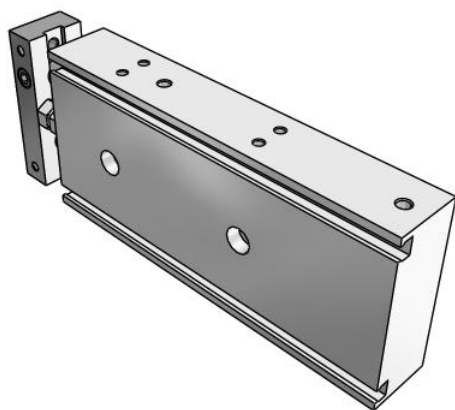




## CXSL, Dual Piston Rods, Ball Bushing Bearing CXSL20-75

### Datasheet

### General series information

- Dual rod cylinder with ball bearing slide
- 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



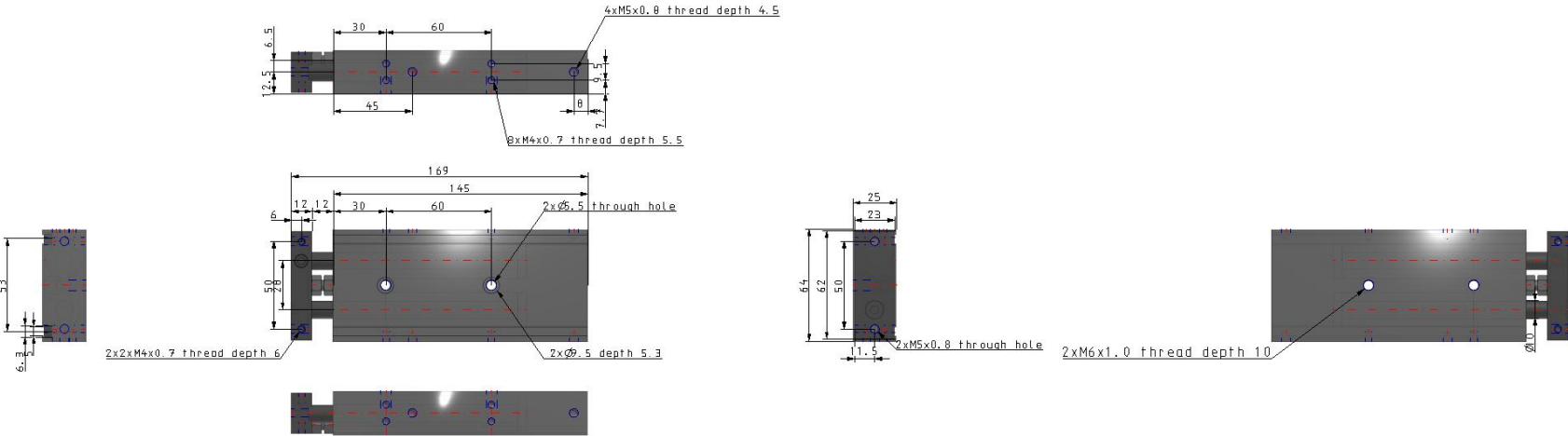
Double-acting, single-rod cylinder

### Standard specifications

|                                 |                                             |
|---------------------------------|---------------------------------------------|
| Thread port                     | M5 (Rc (PT) for sizes 25 to 32)             |
| Bore Size                       | 20mm                                        |
| Thread                          | ø6-ø20 Bore: M Thread; ø25,32ø Bore: Rc 1/8 |
| Lube-retainer                   | Without Stable Lubrication Function         |
| Stroke                          | 75mm                                        |
| 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 (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                                      |
| Number of pneumatic connections | 2 pcs.                                      |
| Mode of operation of drive      | Double acting                               |
| Type of cushioning              | Rubber Bumper                               |
| Port size                       | M5                                          |
| Piston speed                    | 30 - 700 mm/s                               |

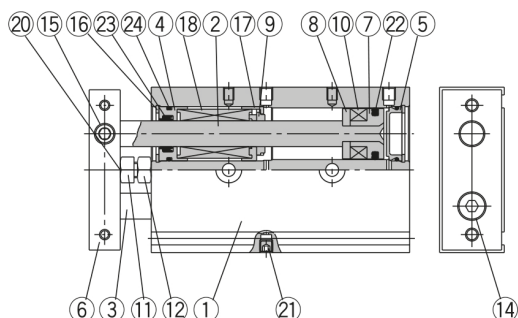
|                         |                                             |
|-------------------------|---------------------------------------------|
| Stroke adjustable range | 0 to – 5 mm compared to the standard stroke |
| Weight                  | 0.660 Kg                                    |

Dimensions



## Constructions

### CXSL20 to 32



#### Parts list: Standard piping

| No. | Description                          | Material                         | Note               |
|-----|--------------------------------------|----------------------------------|--------------------|
| 1   | <b>Housing</b>                       | Aluminum alloy                   | Hard anodized      |
| 2   | <b>Piston rod A</b>                  | Special steel                    | Hard chrome plated |
| 3   | <b>Piston rod B</b>                  | Special steel                    | Hard chrome plated |
| 4   | <b>Rod cover/Bearing</b>             | Aluminum alloy                   |                    |
| 5   | <b>Head cover</b>                    | Special steel <sup>Note 1)</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      |
| 17  | <b>Bumper holder</b>                 | Synthetic resin                  |                    |



Note 1) Anodized aluminum alloy for CXSL6.

#### Parts list

| No. | Description           | Material                           | Note               |
|-----|-----------------------|------------------------------------|--------------------|
| 18  | <b>Ball bushing</b>   | —                                  |                    |
| 19  | <b>Bearing spacer</b> | Synthetic resin <sup>Note 2)</sup> |                    |
| 20  | <b>Bumper</b>         | Polyurethane                       |                    |
| 21  | <b>Plug</b>           | Chromium steel                     | Nickel plated      |
| 22  | <b>Piston seal</b>    | NBR                                |                    |
| 23  | <b>Rod seal</b>       | NBR                                |                    |
| 24  | <b>O-ring</b>         | NBR                                |                    |
| 25  | <b>Head cover B</b>   | Aluminum alloy                     | Nickel plated      |
| 26  | <b>Seal retainer</b>  | Aluminum alloy                     |                    |
| 27  | <b>Port spacer</b>    | Aluminum alloy                     |                    |
| 28  | <b>Steel ball</b>     | Special steel                      | Hard chrome plated |
| 29  | <b>Snap ring B</b>    | Special steel                      | Nickel plated      |

Note 2) Aluminum alloy for CXSL6.

## Additional information

Catalogue

[CXS\\_EU.pdf](#)