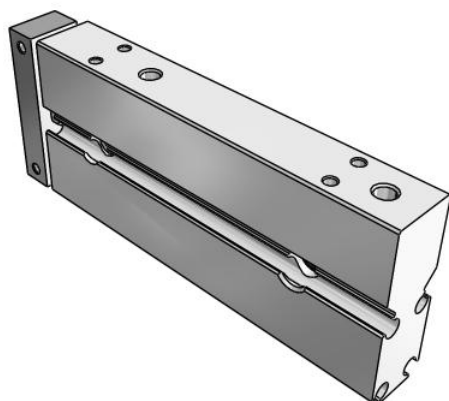




## CXSJ, Dual Rod Cylinder, Compact Type

### CXSJL10-50

#### Datasheet

### General series information

- Dual rod cylinder, compact type
- Slide bearing or ball bushing bearing
- Bore size (mm): 6, 10, 15, 20, 25, 32
- Standard strokes (mm): 10, 20, 30, 40, 50, 75, 100
- Auto switches available
- Made to Order additionally released.

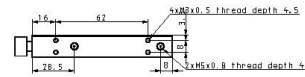
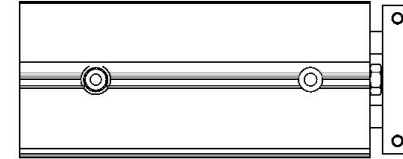
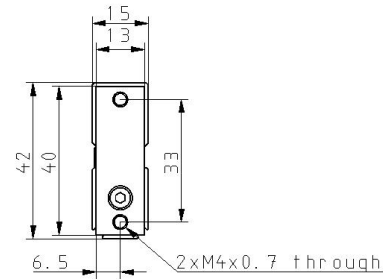
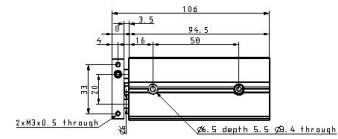
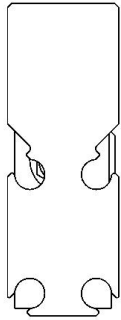
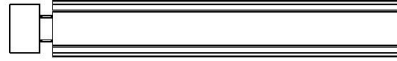


Double-acting, single-rod cylinder

### Standard specifications

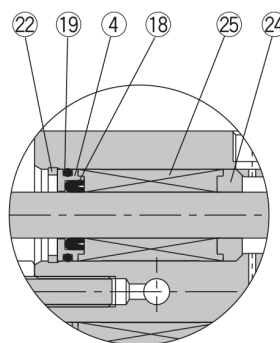
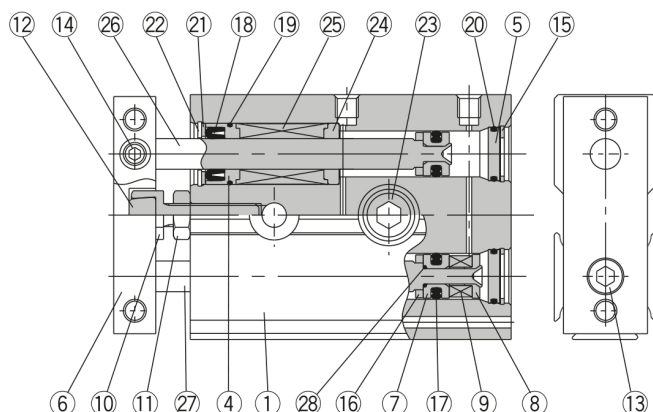
|                                  |                                           |
|----------------------------------|-------------------------------------------|
| Bearing Type                     | L (Ball Bush Bearing)                     |
| Bore Size                        | 10 mm                                     |
| Thread Type                      | Rc (or M Thread for 6 to 25 Bore)         |
| Piping                           | Standard Porting                          |
| Stroke                           | 50 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) |
| Option                           | None                                      |
| Pressure medium                  | Air (non-lube)                            |
| Maximum operating pressure       | 0.7 MPa                                   |
| Minimum operating pressure       | 0.1 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                               |
| Type of stroke reduction | Unilaterally retracted                      |
| Port size                | M5                                          |
| Piston speed             | 30 to 800 mm/s                              |
| Stroke adjustable range  | 0 to – 5 mm compared to the standard stroke |
| Weight                   | 0.180 Kg                                    |

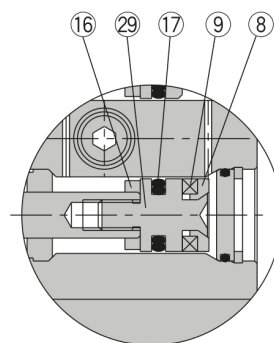


## Constructions

### CXSJL (Ball bushing bearing)



Rod cover



Piston rod B-side piston

### Parts list

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

Note) Stainless steel for CXSJM6.

| No. | Description           | Material        | Note               |
|-----|-----------------------|-----------------|--------------------|
| 16  | <b>Bumper B</b>       | Polyurethane    |                    |
| 17  | <b>Piston seal</b>    | NBR             |                    |
| 18  | <b>Rod seal</b>       | NBR             |                    |
| 19  | <b>O-ring</b>         | NBR             |                    |
| 20  | <b>O-ring</b>         | NBR             |                    |
| 21  | <b>Seal retainer</b>  | Stainless steel |                    |
| 22  | <b>Snap ring B</b>    | Special steel   | Nickel plated      |
| 23  | <b>Bolt holder</b>    | Stainless steel |                    |
| 24  | <b>Bearing spacer</b> | Aluminum alloy  |                    |
| 25  | <b>Ball bushing</b>   | —               |                    |
| 26  | <b>Piston rod A</b>   | Special steel   | Hard chrome plated |
| 27  | <b>Piston rod B</b>   | Special steel   | Hard chrome plated |
| 28  | <b>O-ring</b>         | NBR             |                    |
| 29  | <b>Piston C</b>       | Stainless steel |                    |

## Additional information

Catalogue

[CXSJ\\_EU.pdf](#)

Operation manuals

[cxsj\\_op\\_man\\_cxsj-om0002h.pdf](#)