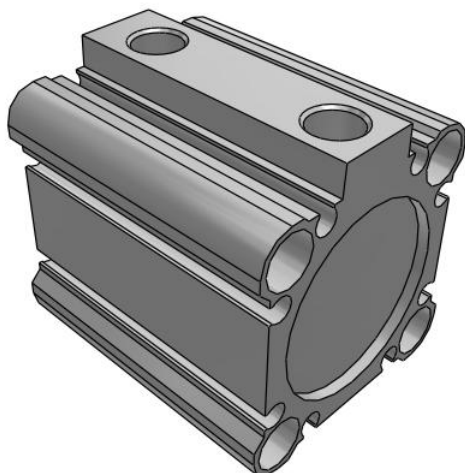
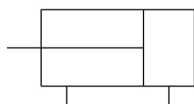




## C(D)Q2\*S, Compact Cylinder, Double Acting, Single Rod, Anti- lateral Load w/Auto Switch Mounting Groove CDQ2BS32-10DCZ

### Datasheet

- Double acting, single rod, compact cylinder
- Bore sizes (mm): 32, 40, 50, 63, 80, 100
- Standard stroke range (mm): 5 to 100
- Port threads: Rc, NPT or G
- Can mount small auto switches on 4 surfaces.



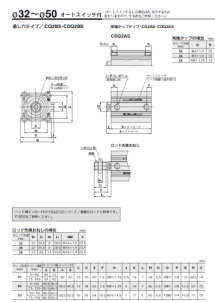
Double-acting, single-rod cylinder

### Standard specifications

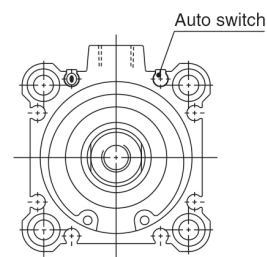
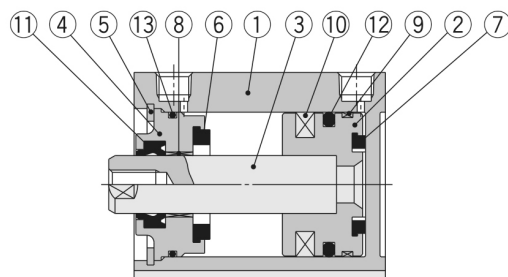
|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Magnet                                 | D (Built-in)                           |
| Mounting                               | B (Through Hole [Standard])            |
| Bore Size                              | Ø32 mm                                 |
| Port Thread Type                       | Rc                                     |
| Stroke                                 | 10                                     |
| Body Option                            | C (Rubber Bumper)                      |
| Auto Switch                            | No Switch                              |
| Lead Wire or Prewired Connector        | 0.5 m or None in the Case of No Switch |
| Number                                 | 2 pcs.                                 |
| Rod End Options                        | None                                   |
| Made of Stainless Steel                | None                                   |
| Fluororubber Seal                      | None                                   |
| Pressure medium                        | Compressed air                         |
| Maximum temperature of pressure medium | 60 °C                                  |
| Minimum temperature of pressure medium | -10 °C                                 |
| Maximum operating pressure             | 1.0 MPa                                |
| Minimum operating pressure             | 0.05 MPa                               |
| Proof pressure                         | 1.5 MPa                                |
| Maximum ambient temperature            | 60 °C                                  |

|                                                         |               |
|---------------------------------------------------------|---------------|
| Minimum ambient temperature                             | -10 °C        |
| Number of pneumatic connections                         | 2 pcs.        |
| Pneumatic input connection                              | Rc 1/8        |
| Mode of operation of drive                              | Double acting |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 302 N         |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 402 N         |
| Maximum piston speed                                    | 500 mm/s      |
| Geometric form of the piston rod                        | Single rod    |
| Male thread of rod end                                  | M14 x 1.5     |
| Female thread of rod end                                | M8 x 1.25     |
| Minimum piston speed                                    | 50 mm/s       |
| Weight                                                  | 0.211 Kg      |

# Dimensions



## Constructions



### Component Parts

| No. | Description    | Material          | Note               |
|-----|----------------|-------------------|--------------------|
| 1   | Cylinder tube  | Aluminum alloy    | Hard anodised      |
| 2   | Piston         | Aluminum alloy    | Chromated          |
| 3   | Piston rod     | Carbon steel      | Hard chrome plated |
| 4   | Collar         | Aluminum alloy    | Anodised           |
| 5   | Retaining ring | Carbon tool steel | Phosphate coated   |
| 6   | Bumper A       | Urethane          |                    |
| 7   | Bumper B       | Urethane          |                    |
| 8   | Bushing        | Bearing alloy     |                    |
| 9   | Wear ring      | Resin             |                    |
| 10  | Magnet         | —                 |                    |
| 11  | Rod seal       | NBR               |                    |
| 12  | Piston seal    | NBR               |                    |
| 13  | Tube gasket    | NBR               |                    |

## Additional information

Catalogue

[CQ2-Z-B\\_EU.pdf](#)