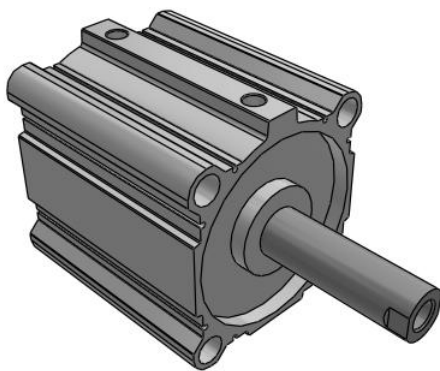




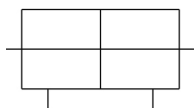
## C(D)Q2WB, Compact Cylinder, Double Acting Double Rod, Large Bore w/Auto Switch Mounting Groove

CDQ2WB140TF-100DCZ

Datasheet

### General series information

- Compact, double acting, double rod, large bore
- Bore sizes (mm): 125, 140, 160, 180, 200
- Standard stroke range (mm): 10 to 300
- Port threads: Rc, NPT, G
- Can mount small auto switches on 4 surfaces.



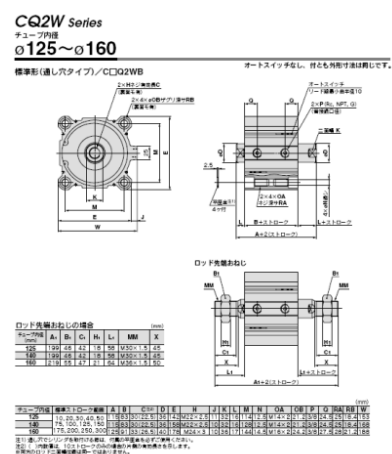
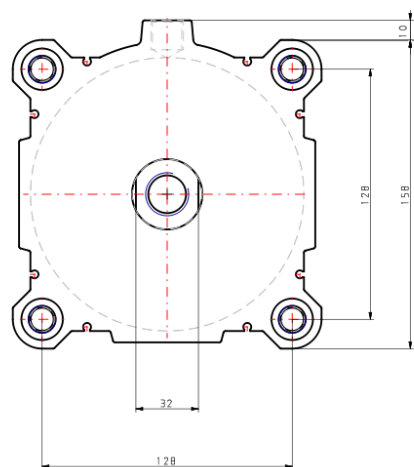
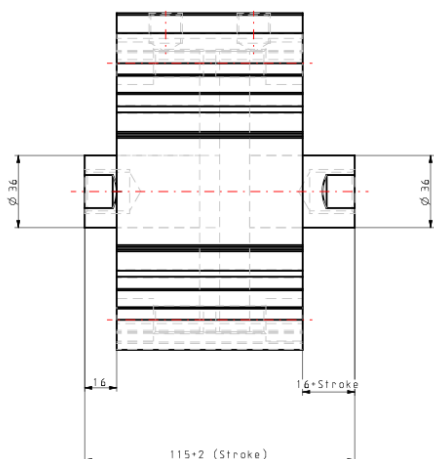
Double-acting cylinder with double piston rod

### Standard specifications

|                                                    |                                        |
|----------------------------------------------------|----------------------------------------|
| Magnet                                             | D (Built-in)                           |
| Bore Size                                          | Ø140 mm                                |
| Port Thread Type                                   | TF (G)                                 |
| Stroke                                             | 100                                    |
| Body Option                                        | Standard (Rod End Female Thread)       |
| 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                                   |
| Fluororubber Seal                                  | None                                   |
| -                                                  | Compressed air                         |
| Maximum temperature of pressure medium with magnet | 60 °C                                  |
| Minimum temperature of pressure medium with magnet | -10 °C                                 |
| Maximum operating pressure                         | 1.0 MPa                                |
| Minimum operating pressure                         | 0.05 MPa                               |
| Proof pressure                                     | 1.5 MPa                                |
| Maximum ambient temperature with magnet            | 60 °C                                  |
| Minimum ambient temperature with magnet            | -10 °C                                 |

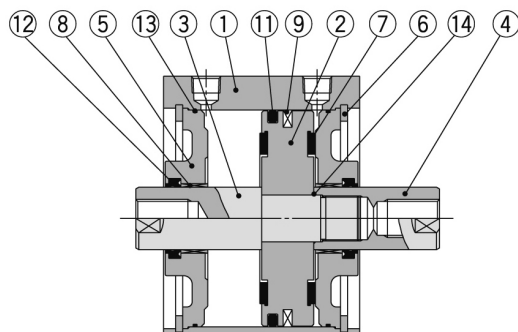
|                                                         |             |
|---------------------------------------------------------|-------------|
| Pneumatic input connection                              | G 3/8       |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 7,188 N     |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 7,188 N     |
| Maximum piston speed                                    | 500 mm/s    |
| Piston rod end                                          | Male thread |
| Male thread of rod end                                  | M30 x 1.5   |
| Female thread of rod end                                | M22 x 2.5   |
| Minimum piston speed                                    | 50 mm/s     |
| Weight                                                  | 9.240 Kg    |

## Dimensions

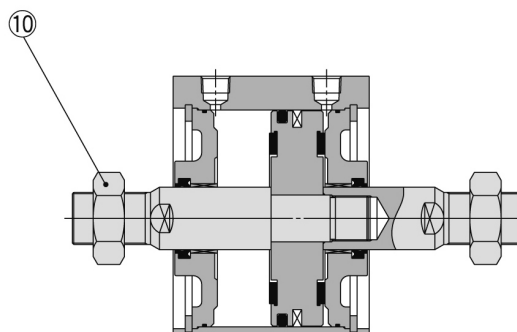


## Constructions

**Standard**



**Rod end male thread**



### Component Parts

| No. | Description           | Material          | Note               |
|-----|-----------------------|-------------------|--------------------|
| 1   | <b>Cylinder tube</b>  | Aluminum alloy    | Hard anodised      |
| 2   | <b>Piston</b>         | Aluminum alloy    | Chromated          |
| 3   | <b>Piston rod A</b>   | Carbon steel      | Hard chrome plated |
| 4   | <b>Piston rod B</b>   | Carbon steel      | Hard chrome plated |
| 5   | <b>Rod cover</b>      | Carbon steel      | Nickel plated      |
| 6   | <b>Retaining ring</b> | Carbon tool steel | Phosphate coated   |
| 7   | <b>Bumper</b>         | Resin             |                    |
| 8   | <b>Bushing</b>        | Bearing alloy     |                    |
| 9   | <b>Magnet</b>         | —                 | For CDQ2WB□ only   |
| 10  | <b>Rod end nut</b>    | Carbon steel      | Nickel plated      |
| 11  | <b>Piston seal</b>    | NBR               |                    |
| 12  | <b>Rod seal</b>       | NBR               |                    |
| 13  | <b>Tube gasket</b>    | NBR               |                    |
| 14  | <b>Piston gasket</b>  | NBR               |                    |

### Replacement Parts/Seal Kit

| Bore size (mm) | Kit no.     | Contents                                         |
|----------------|-------------|--------------------------------------------------|
| <b>125</b>     | CQ2WB125-PS | Kits include items<br>⑪, ⑫, ⑬ from<br>the table. |
| <b>140</b>     | CQ2WB140-PS |                                                  |
| <b>160</b>     | CQ2WB160-PS |                                                  |
| <b>180</b>     | CQ2WB180-PS |                                                  |
| <b>200</b>     | CQ2WB200-PS |                                                  |

\* Seal kit includes ⑪, ⑫, ⑬. Order the seal kit, based on each bore size.

\* Since the seal kit does not include a grease pack, order it separately.

**Grease pack part no.:** GR-S-010 (10 g)

## Additional information

Catalogue

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