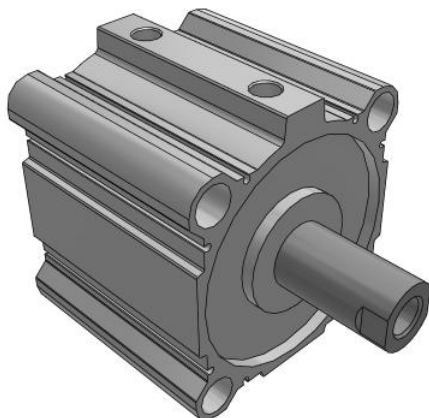


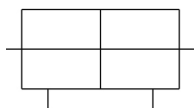


## C(D)Q2WB, Compact Cylinder, Double Acting Double Rod, Large Bore w/Auto Switch Mounting Groove CQ2WB125-50DCZ

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.



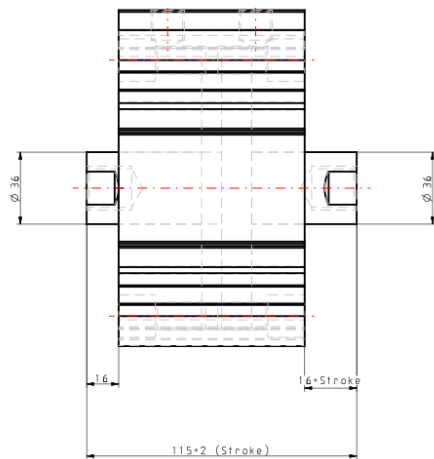
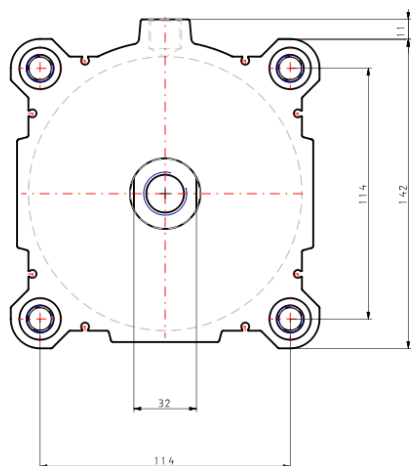
Double-acting cylinder with double piston rod

### Standard specifications

|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Magnet                                 | None                                   |
| Bore Size                              | Ø125 mm                                |
| Port Thread Type                       | Rc                                     |
| Stroke                                 | 50                                     |
| 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 | 70 °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            | 70 °C                                  |
| Minimum ambient temperature            | -10 °C                                 |

|                                                         |             |
|---------------------------------------------------------|-------------|
| Pneumatic input connection                              | Rc 3/8      |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 5,627 N     |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 5,627 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                                                  | 0.000 Kg    |

# Dimensions

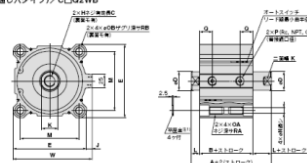


## CQ2W Series

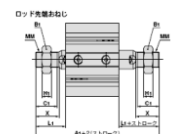
チューブ内径  
 $\phi 125 \sim \phi 160$

標準形 (通し穴タイプ) / CQ2WB

ポートスイッチなし。径とも内径寸法は同じです。



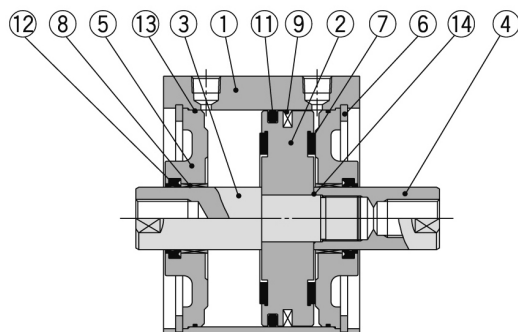
| ポート径 | A   | B   | C   | D   | E   | F   | G   | H   | I   | J   | K   | L   | M   | N   | O   | P   | Q   | R   | S   | T   | U   | V   | W   | X   | Y   | Z   |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 125  | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 150  | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 160  | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |



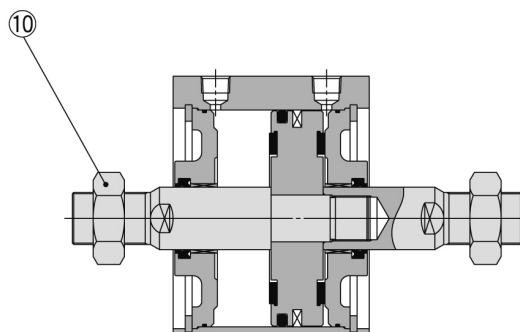
※ 1. 図 1 の寸法は、標準品の場合の寸法です。オプションの寸法は、別途指定が必要です。  
 ※ 2. 図 1 の寸法は、標準品の場合の寸法です。オプションの寸法は、別途指定が必要です。

## 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](#)