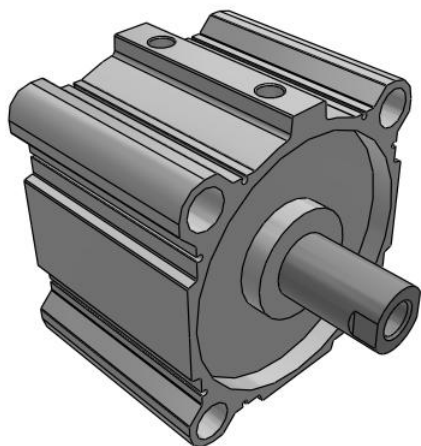


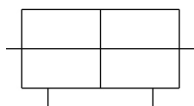


## C(D)Q2WB, Compact Cylinder, Double Acting Double Rod, Large Bore w/Auto Switch Mounting Groove

CDQ2WB160-50DCZ

Datasheet

- 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.



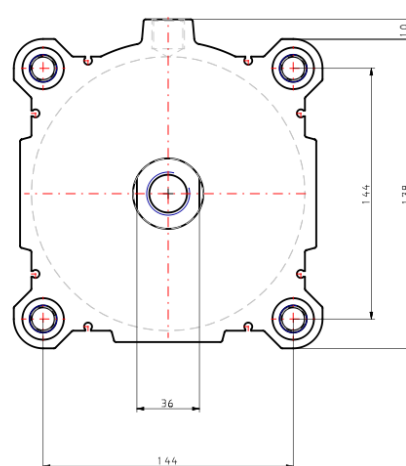
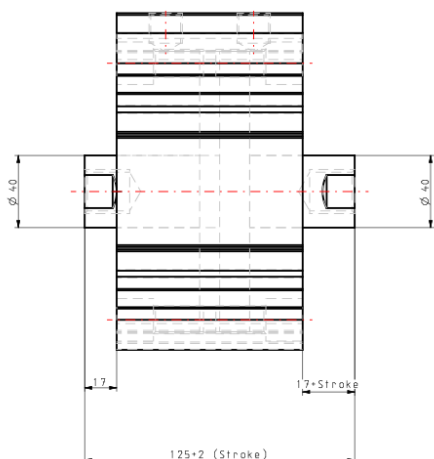
Double-acting cylinder with double piston rod

### Standard specifications

|                                                    |                                        |
|----------------------------------------------------|----------------------------------------|
| Magnet                                             | D (Built-in)                           |
| Bore Size                                          | Ø160 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 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                         | Rc 3/8                                 |

|                                                         |             |
|---------------------------------------------------------|-------------|
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 9,425 N     |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 9,425 N     |
| Maximum piston speed                                    | 500 mm/s    |
| Piston rod end                                          | Male thread |
| Male thread of rod end                                  | M36 x 1.5   |
| Female thread of rod end                                | M24 x 3     |
| Minimum piston speed                                    | 50 mm/s     |
| Weight                                                  | 10.570 Kg   |

## Dimensions



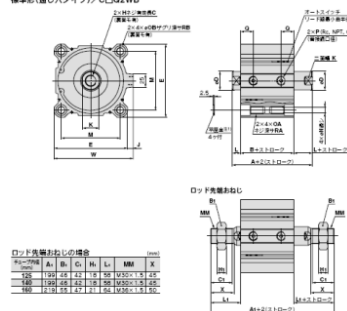
## CQ2W Series

チューブ内径

φ125~φ160

標準形(通し穴タイプ)/C□Q2WB

オートスイッチなし。付とも外形寸法は同じです。

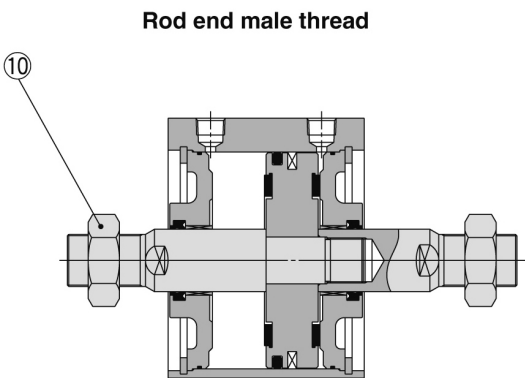
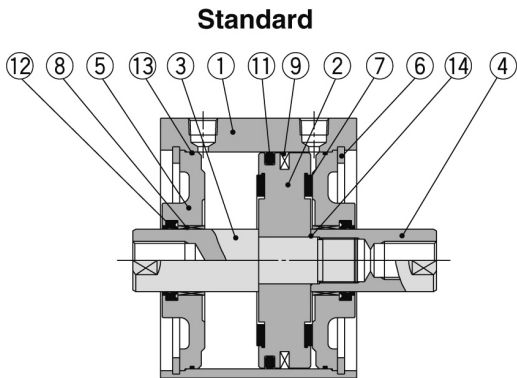


| ネジの長さ<br>(mm) | A   | B  | C  | H  | L  | MM      | X  |
|---------------|-----|----|----|----|----|---------|----|
| 125           | 199 | 48 | 42 | 18 | 56 | M30×1.5 | 45 |
| 140           | 199 | 48 | 42 | 18 | 56 | M30×1.5 | 45 |
| 160           | 210 | 58 | 47 | 21 | 61 | M30×1.5 | 45 |

| グループ別 | 標準スコアと偏差           | A  | B  | C  | D  | E | H  | J  | K | L  | M | N | OA | OB | P  | G  | RA | R | W  |   |
|-------|--------------------|----|----|----|----|---|----|----|---|----|---|---|----|----|----|----|----|---|----|---|
| 126   | 10, 20, 30, 40, 50 | 15 | 63 | 30 | 12 | 5 | 36 | 14 | 3 | 22 | 2 | 5 | 11 | 32 | 15 | 14 | 12 | 5 | 14 | 2 |
| 140   | 75, 100, 125, 150  | 78 | 61 | 30 | 20 | 5 | 36 | 15 | 6 | 22 | 2 | 5 | 10 | 32 | 16 | 14 | 12 | 5 | 14 | 2 |
| 180   | 175, 200, 250, 300 | 78 | 61 | 30 | 20 | 5 | 40 | 17 | 6 | 22 | 2 | 5 | 10 | 32 | 16 | 14 | 12 | 5 | 14 | 2 |

注1) 適し穴でシリンダを取付ける際は、作業の早直さにも必ずご使用ください。  
注2) 1)内径量は、10℃以下での測定値であり、実際の使用時には、  
使用時の10℃下で測定した値と異なってはなりません。

# Constructions



## Component Parts

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

## Replacement Parts/Seal Kit

| Bore size (mm) | Kit no.     | Contents                                   |
|----------------|-------------|--------------------------------------------|
| 125            | CQ2WB125-PS | Kits include items ⑪, ⑫, ⑬ from the table. |
| 140            | CQ2WB140-PS |                                            |
| 160            | CQ2WB160-PS |                                            |
| 180            | CQ2WB180-PS |                                            |
| 200            | 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](#)