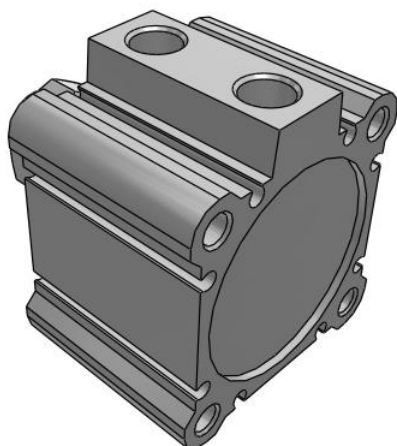
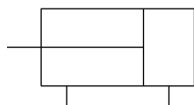




## C(D)Q2, Compact Cylinder, Double Acting, Single Rod w/Auto Switch Mounting Groove

### CDQ2A50TF-5DMZ

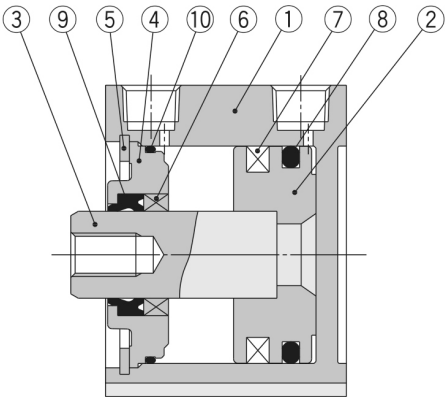
- Double acting, single rod, compact cylinder
- Bore sizes (mm): 12, 16, 20, 25, 32, 40, 50, 63, 80, 100
- Standard stroke range (mm): 5 to 100
- Port threads: M (12 to 25 bore); Rc, NPT or G (32 to 100 bore)
- Can mount small auto switches on 4 surfaces.



|                                 |                                      |
|---------------------------------|--------------------------------------|
| Magnet                          | D (Built-in)                         |
| Mounting                        | A (Both Ends Tapped)                 |
| Type                            | Standard                             |
| Bore Size                       | Ø50 mm                               |
| Port Thread Type                | TF                                   |
| Lube-retainer                   | Without Stable Lubrication Function  |
| Stroke                          | 5                                    |
| Body Option                     | M [Rod End Male Thread]              |
| Auto Switch Groove              | None, also for 12-25 Bore w/o Magnet |
| Mounting Bolt                   | None                                 |
| Rod End Bracket                 | None                                 |
| Auto Switch                     | No Switch                            |
| Lead Wire or Prewired Connector | Z (5 m)                              |
| Number                          | 2 pcs.                               |
| Rod End Options                 | None                                 |
| Temperature Resistance          | None                                 |
| Low Speed                       | None                                 |
| Made of Stainless Steel         | None                                 |

|                                                         |                |
|---------------------------------------------------------|----------------|
| Fluororubber Seal                                       | None           |
| -                                                       | 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         |
| Pneumatic input connection                              | G 1/4          |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 982 N          |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 825 N          |
| Maximum piston speed                                    | 500 mm/s       |
| Male thread of rod end                                  | M18 x 1.5      |
| Female thread of rod end                                | M10 x 1.5      |
| Minimum piston speed                                    | 50 mm/s        |
| Weight                                                  | 0.510 Kg       |

[illegible]



**Component Parts**

| No. | Description    | Material              | Note                            |
|-----|----------------|-----------------------|---------------------------------|
| 1   | Cylinder tube  | Aluminum alloy        | Hard anodised                   |
| 2   | Piston         | Aluminum alloy        | Chromated                       |
| 3   | Piston rod     | Stainless steel       | ø12 to ø25                      |
|     |                | Carbon steel          | ø32 to ø100, Hard chrome plated |
| 4   | Collar         | Aluminum alloy        | ø12 to ø40, Anodised            |
|     |                | Aluminum alloy casted | ø50 to ø100, Chromated, Painted |
| 5   | Retaining ring | Carbon tool steel     | Phosphate coated                |
| 6   | Bushing        | Bearing alloy         | For ø50 or more only            |
| 7   | Magnet         | —                     |                                 |
| 8   | Piston seal    | NBR                   |                                 |
| 9   | Rod seal       | NBR                   |                                 |
| 10  | Gasket         | NBR                   |                                 |

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