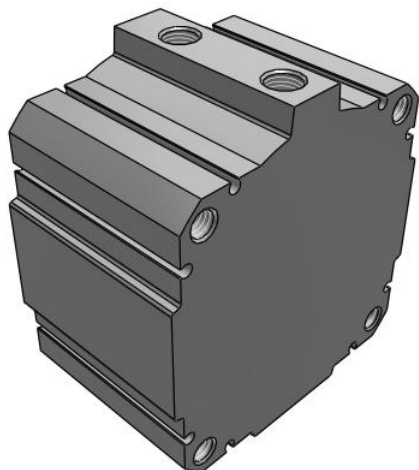




## JC(D)Q, Compact Cylinder, Double Acting Single Rod JCDQA100-20

Datasheet

### General series information

- Double acting, single rod, compact cylinder.
- Lightweight 25 g (ø12 stroke 5).
- Bore sizes (mm): 12 ~ 100.
- Strokes up to 50 mm.
- Bumper cushion.
- Auto switches can be mounted on 4 surfaces.



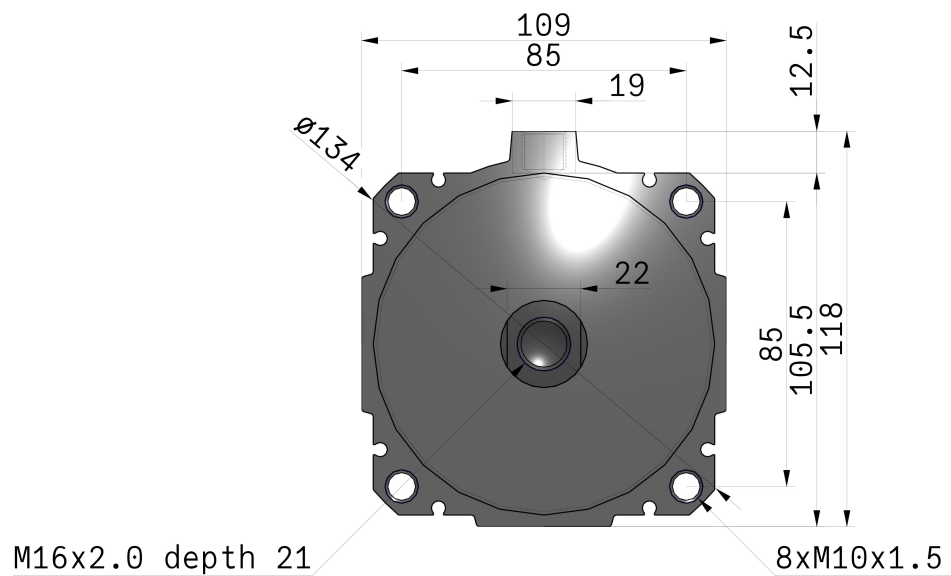
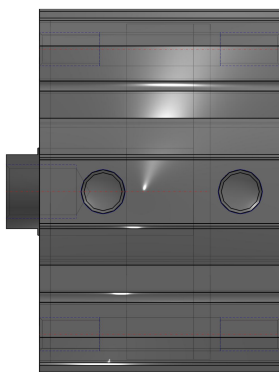
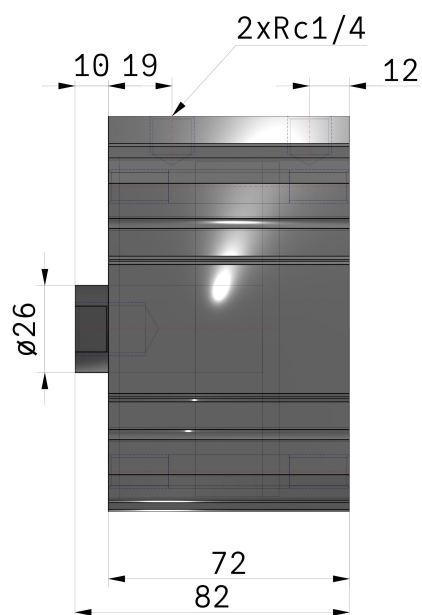
Double-acting, single-rod cylinder

### Standard specifications

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Magnet                                 | D (Built-in)                             |
| Mounting                               | A (Both Ends Tapped)                     |
| Bore Size                              | 100 mm                                   |
| Port Thread                            | M thread: Ø12 to Ø40, Rc: Ø50 to Ø100    |
| Stroke                                 | 20 mm                                    |
| Auto Switch                            | No Switch                                |
| Lead Wire or Pre-wired Connector       | 0.5 m (Or None in the Case of No Switch) |
| Number                                 | 2 pcs. (Or None in Case of No Switch)    |
| Pressure medium                        | Air                                      |
| Maximum temperature of pressure medium | 60 °C                                    |
| Minimum temperature of pressure medium | 5 °C                                     |
| Maximum operating pressure             | 0.7 MPa                                  |
| Minimum operating pressure             | 0.05 MPa                                 |
| Proof pressure                         | 1.0 MPa                                  |
| Maximum ambient temperature            | 60 °C                                    |
| Minimum ambient temperature            | 5 °C                                     |
| Number of pneumatic connections        | 2 pcs.                                   |

|                                                         |                         |
|---------------------------------------------------------|-------------------------|
| Pneumatic input connection                              | Rc 1/4                  |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 3927 N                  |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 3662 N                  |
| Maximum piston speed                                    | 300 mm/s                |
| Type of cushioning                                      | Rubber bumper           |
| Piston rod end                                          | Female thread           |
| Geometric form of the piston rod                        | Single rod              |
| Minimum piston speed                                    | 50 mm/s                 |
| Lubrication                                             | Not required (Non-lube) |
| Weight                                                  | 1.608 Kg                |

## Dimensions



## Additional information

Catalogue

[JCQ-C\\_EU.pdf](#)