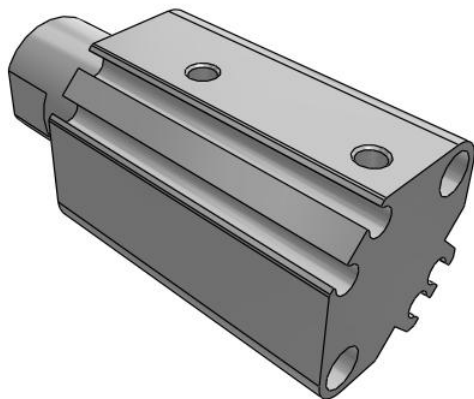




## RS(D)Q-Z, Stopper Cylinder, Fixed Mounting Height RSDQB16-10BZ

### Datasheet

- Fixed Height Stopper Cylinder, Double / Single Acting
- Bore sizes (mm): 16, 20, 32, 40, 50
- Strokes up to 30 mm
- 10 rod end configurations available
- Compact auto switch mountable on 4 surfaces.



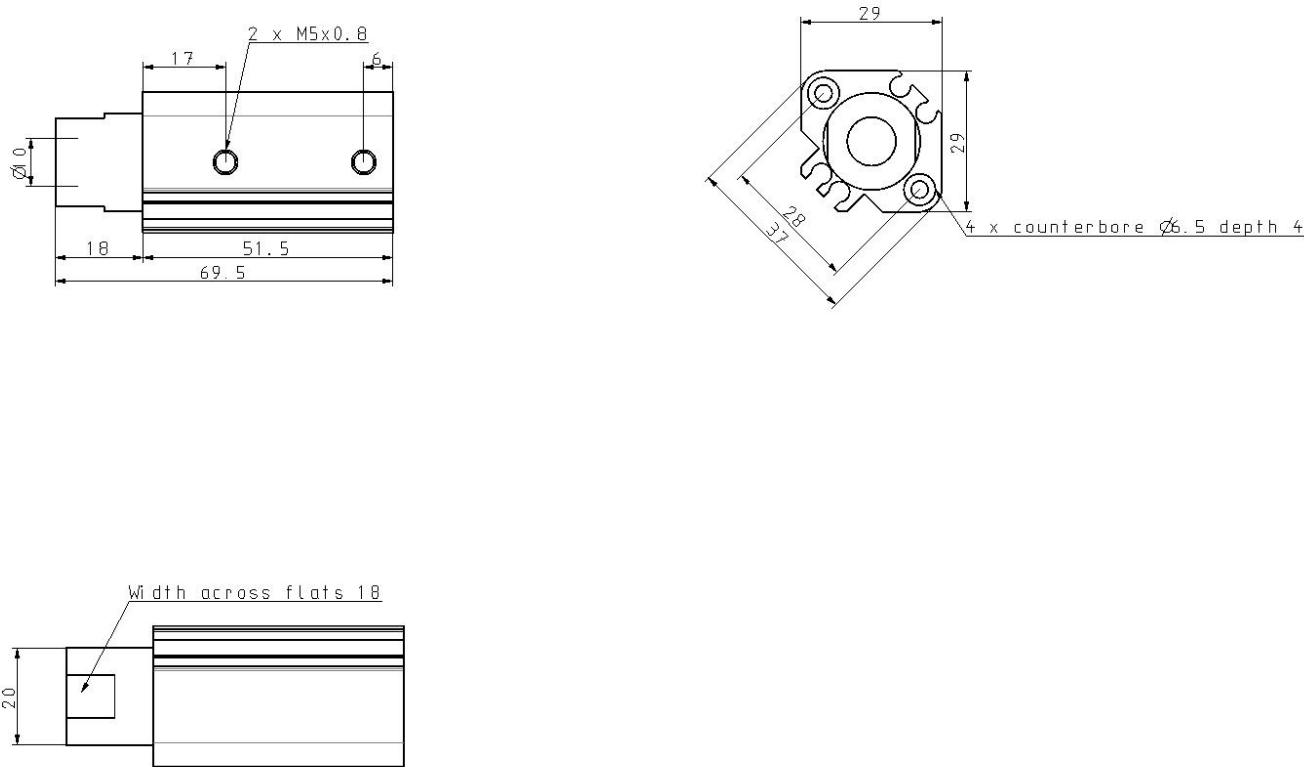
Double acting cylinder with spring loaded

### Standard specifications

|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| Magnet                                  | D (Built-in)                              |
| Mounting                                | B (Through Hole, Standard)                |
| Bore Size                               | 16mm                                      |
| Port Thread                             | Bore 16: M Thread; Bore 20 to 50: Rc      |
| Stroke                                  | 10mm                                      |
| Action                                  | B (Double Acting/Spring Loaded)           |
| Rod End                                 | Round Bar Style                           |
| Mounting Bolt                           | None                                      |
| Auto Switch                             | No Switch                                 |
| Lead Wire or Prewired Connector         | 0.5m (Or None in the Case of No Switch)   |
| Number                                  | 2 pcs. (Or None in the Case of No Switch) |
| Made to Order                           | None                                      |
| Pressure medium                         | Air                                       |
| Maximum operating pressure              | 1.0 MPa                                   |
| Proof pressure                          | 1.5 MPa                                   |
| Maximum ambient temperature with magnet | 60 °C                                     |
| Minimum ambient temperature with magnet | -10 °C                                    |
| Maximum piston speed                    | 500 mm/s                                  |
| Type of cushioning                      | Rubber bumper                             |

|                         |                         |
|-------------------------|-------------------------|
| Minimum piston speed    | 50 mm/s                 |
| Lubrication             | Not required (Non-lube) |
| Stroke length tolerance | +1.4<br>0               |
| Weight                  | 0.130 Kg                |

# Dimensions

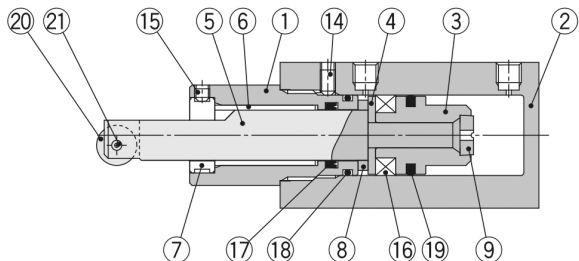


## Constructions

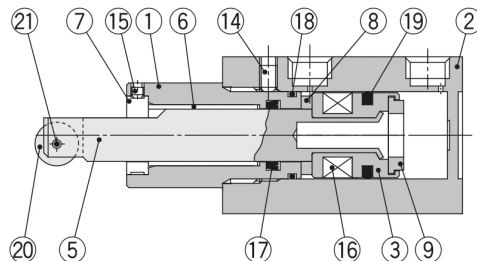
### Double acting (D)

#### Rod end configuration: Roller (R)

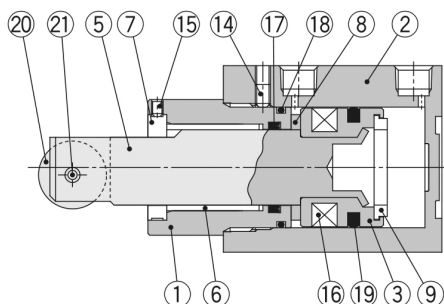
Ø 16



Ø 20

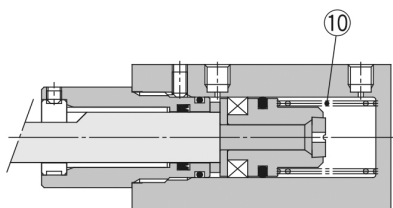


Ø 32, Ø 40, Ø 50

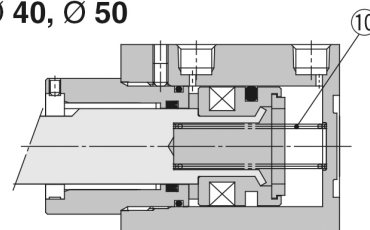


### Double acting with spring loaded (B)

Ø 16

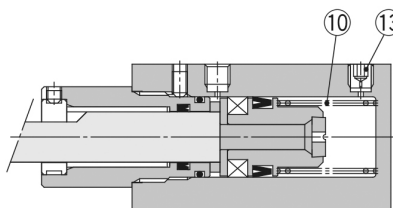


Ø 20, Ø 32, Ø 40, Ø 50

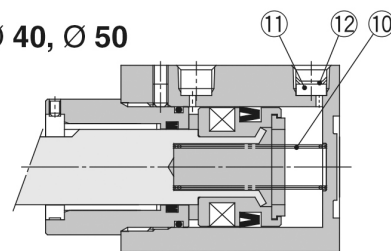


### Single acting / spring extend (T)

Ø 16



Ø 20, Ø 32, Ø 40, Ø 50



### Component Parts

| No. | Description        | Material                                                      | Note                                                           |
|-----|--------------------|---------------------------------------------------------------|----------------------------------------------------------------|
| 1   | Rod cover          | Aluminium alloy                                               | Anodised                                                       |
| 2   | Cylinder tube      | Aluminium alloy                                               | Hard anodised                                                  |
| 3   | Piston             | Aluminium alloy                                               |                                                                |
| 4   | Spacer for switch  | Aluminium alloy                                               | Ø 16 only                                                      |
| 5   | Piston rod         | Ø 16, Ø 20: Stainless steel<br>Ø 32, Ø 40, Ø 50: Carbon steel | Hard chrome plating                                            |
| 6   | Bushing            | Bearing alloy                                                 |                                                                |
| 7   | Non-rotating guide | Rolled steel                                                  | Non-rotating type only<br>Excluding the round bar type rod end |
| 8   | Bumper A           | Urethane                                                      |                                                                |
| 9   | Bumper B           | Urethane                                                      |                                                                |
| 10  | Return spring      | Steel wire                                                    | Zinc chromated (Excluding double acting)                       |

| No. | Description                   | Material                  | Note                                                           |
|-----|-------------------------------|---------------------------|----------------------------------------------------------------|
| 11  | Element                       | Sintered metallic BC      | Ø 20 to Ø 50 only (Single acting only)                         |
| 12  | Retaining ring                | Carbon tool steel         | Ø 20 to Ø 50 only (Single acting only)                         |
| 13  | Plug with fixed orifice       | Alloy steel               | Ø 16 only (Single acting only)                                 |
| 14  | Hexagon socket head set screw | Chromium molybdenum steel |                                                                |
| 15  | Hexagon socket head set screw | Chromium molybdenum steel | Non-rotating type only<br>Excluding the round bar type rod end |
| 16  | Magnet                        | —                         |                                                                |
| 17  | Rod seal                      | NBR                       |                                                                |
| 18  | Gasket                        | NBR                       |                                                                |
| 19  | Piston seal                   | NBR                       |                                                                |
| 20  | Roller A                      | Resin                     |                                                                |
| 21  | Spring pin                    | Carbon tool steel         |                                                                |

## Additional information

Catalogue

[RSQ-A\\_EU.pdf](#)

Operation manuals

[OM\\_RSQ\\_OM0080EN-Q.pdf](#)