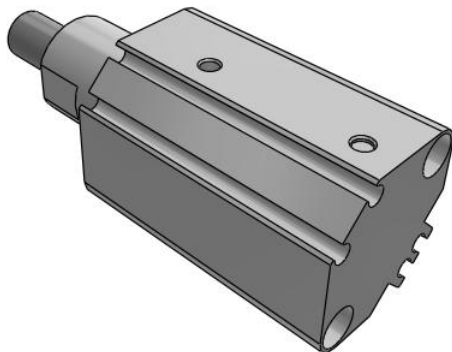


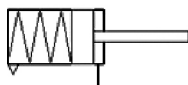


RS(D)Q-Z, Stopper Cylinder, Fixed Mounting Height RSDQB20TF-20TZ

Datasheet

General series information

- 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.



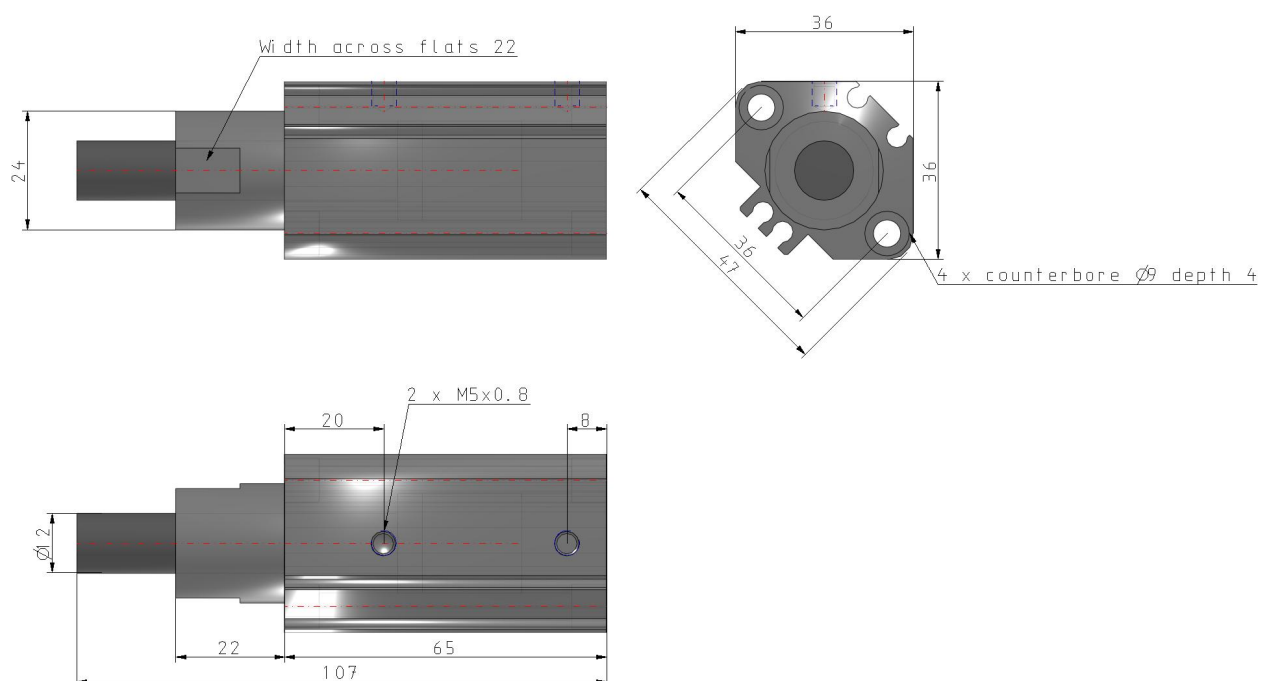
Single acting cylinder / Extended Return by spring

Standard specifications

Magnet	D (Built-in)
Mounting	B (Through Hole, Standard)
Bore Size	20mm
Port Thread	TF (Bore 20: M5 Thread, Bore 32 to 50: G)
Stroke	20mm
Action	T (Single Acting/Spring Extend)
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 0
Spring force compressed	14.9 N
Spring force extended	3.4 N
Weight	0.240 Kg

Dimensions

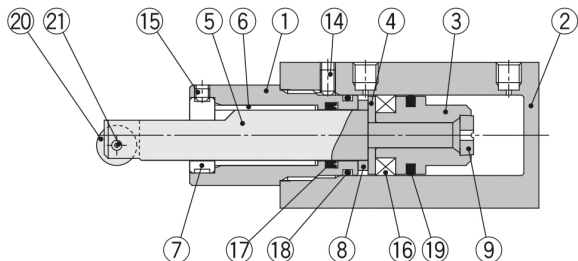


Constructions

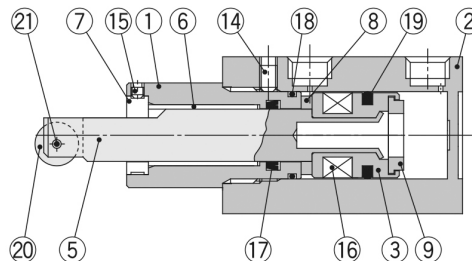
Double acting (D)

Rod end configuration: Roller (R)

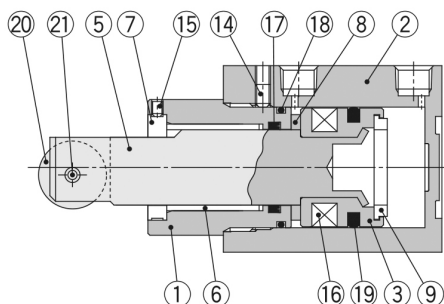
Ø 16



Ø 20

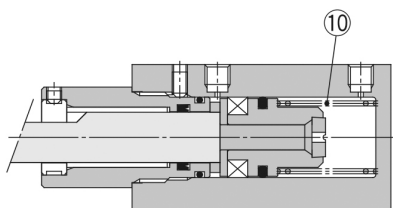


Ø 32, Ø 40, Ø 50

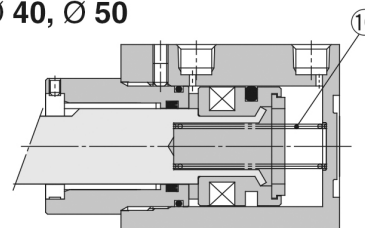


Double acting with spring loaded (B)

Ø 16

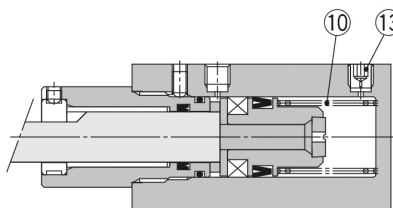


Ø 20, Ø 32, Ø 40, Ø 50

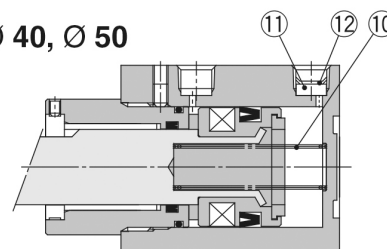


Single acting / spring extend (T)

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 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 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 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](#)