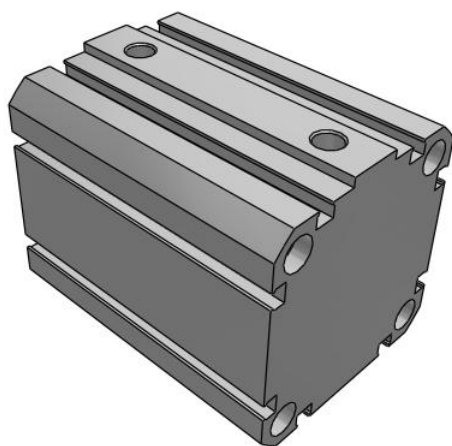
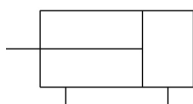




C(D)55-X1439, Compact Cylinder ISO Standard (ISO 21287), Auto Switch Mounting Groove: T-slot Type CD55B63-50M-X1439

Datasheet

- ISO 21287 Compact Cylinder.
- Bore sizes (mm): 20, 25, 32, 40, 50, 63, 80, 100.
- Standard strokes up to 150 mm.
- Cylinder variations: ATEX.



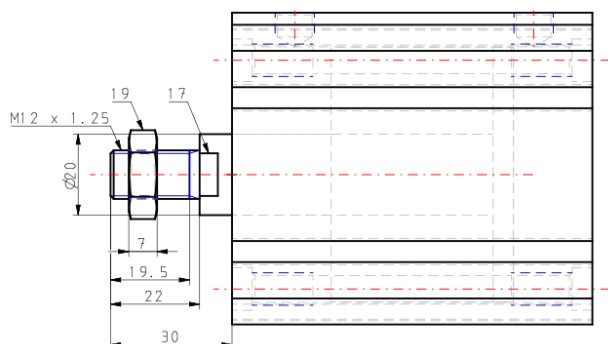
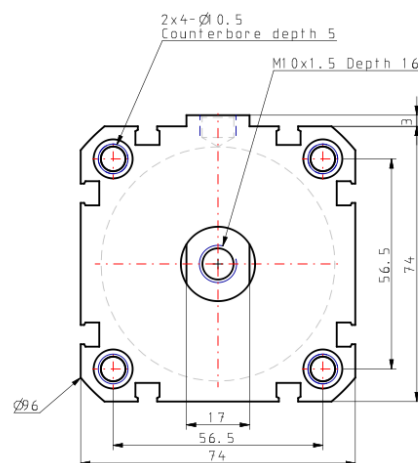
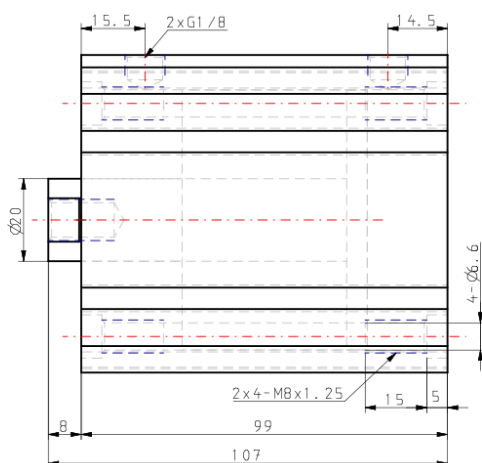
Double-acting, single-rod cylinder

Standard specifications

Built-in Magnet	D (With Magnet)
Mounting Style	B (Standard)
Bore Size	Ø63 mm
Stroke	50 mm
Rod End Thread	M (Rod End Male Thread)
Auto Switch	Without Autoswitch
Number	2 pcs. [Or None in the Case of No Switch]
Pressure medium	Compressed Air
Maximum temperature of pressure medium	70 °C
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium	-10 °C [without condensation]
Minimum temperature of pressure medium with magnet	-10 °C [without condensation]
Maximum operating pressure	1.0 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature	70 °C
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature	-10 °C
Minimum ambient temperature with magnet	-10 °C
Conform to the European RoHS Directive	Conform

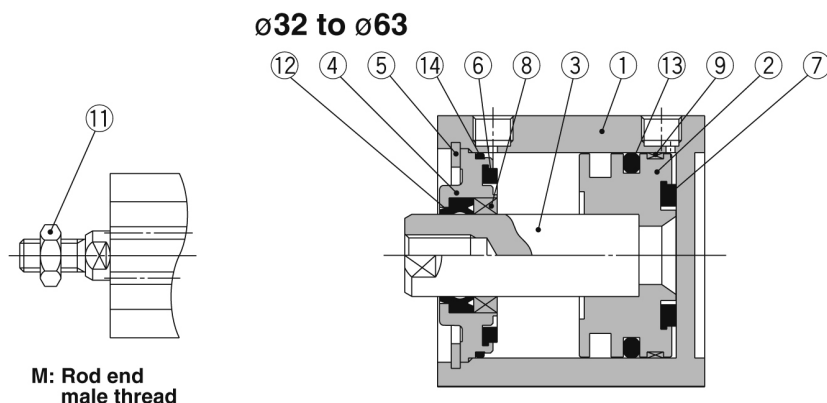
Number of pneumatic connections	2 pcs.
Pneumatic input connection	G 1/8
Pneumatic output connection	G 1/8
Pneumatic exhaust connection	G 1/8
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	1560 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	1400 N
Maximum piston speed	500 mm/s
Type of cushioning	Rubber bumper on both end
Piston rod end	Male Thread
Geometric form of the piston rod	Single rod
Male thread of rod end	M12 x 1.25
Female thread of rod end	M10
Minimum piston speed	50 mm/s
Weight	1.045 Kg

Dimensions

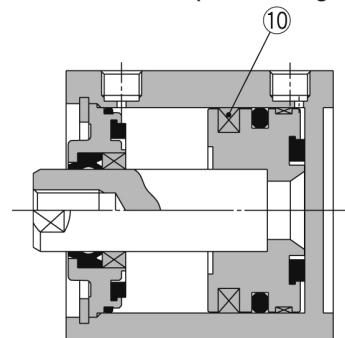


Rod end male thread detail

Constructions



With auto switch (Built-in magnet)



Component Parts

No.	Description	Material	Note
1	Cylinder tube	Aluminum alloy	Hard anodised
2	Piston	Aluminum alloy	Chromated
3	Piston rod	Stainless steel	ø20, ø25
		Carbon steel	ø32 to ø100 Hard chrome plated
4	Collar	Aluminum alloy	ø20 to ø40 Anodized
		Aluminum alloy casted	ø50 to ø100 Painted after chromated
5	Retaining ring	Carbon tool steel	Phosphate coated
6	Bumper A	Urethane	
7	Bumper B	Urethane	
8	Bushing	Bearing alloy	
9	Wear ring	Resin	ø20 to ø63
10	Magnet	—	
11	Rod end nut	Carbon steel	Nickel plated
12	Rod seal	NBR	
13	Piston seal	NBR	
14	Tube gasket	NBR	

Replacement Parts/Seal Kit

Bore size (mm)	Kit no.	Contents
20	CQ2B20-PS	Set of nos. at left ⑫, ⑬, ⑭
25	CQ2B25-PS	
32	CQ2B32-PS	
40	CQ2B40-PS	
50	CQ2B50-PS	
63	CQ2B63-PS	
80	CQ2B80-PS	
100	CQ2B100-PS	

* Seal kit includes ⑫, ⑬, ⑭. Order the seal kit, based on each bore size.

Additional information

Catalogue

[C55-X1439_EU.pdf](#)