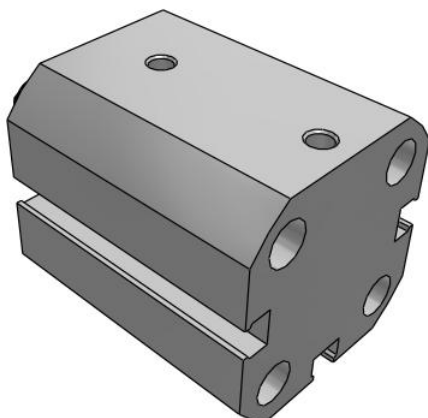




C(D)55-X1439, Compact Cylinder ISO Standard (ISO 21287), Auto Switch Mounting Groove: T-slot Type CD55B25-10M-X1439

Datasheet

General series information

- Conforms with the ISO 21287 standard.
- Bore sizes of 20, 25, 32, 40, 50 & 63 mm.
- Large stroke range from 5 mm up to 150 mm.
- Construction is similar to the current CQ2 lateral load resistant specification.
- Snap ring construction allows easy and quicker maintenance.
- Auto Switch Mounting Groove: T-slot Type.



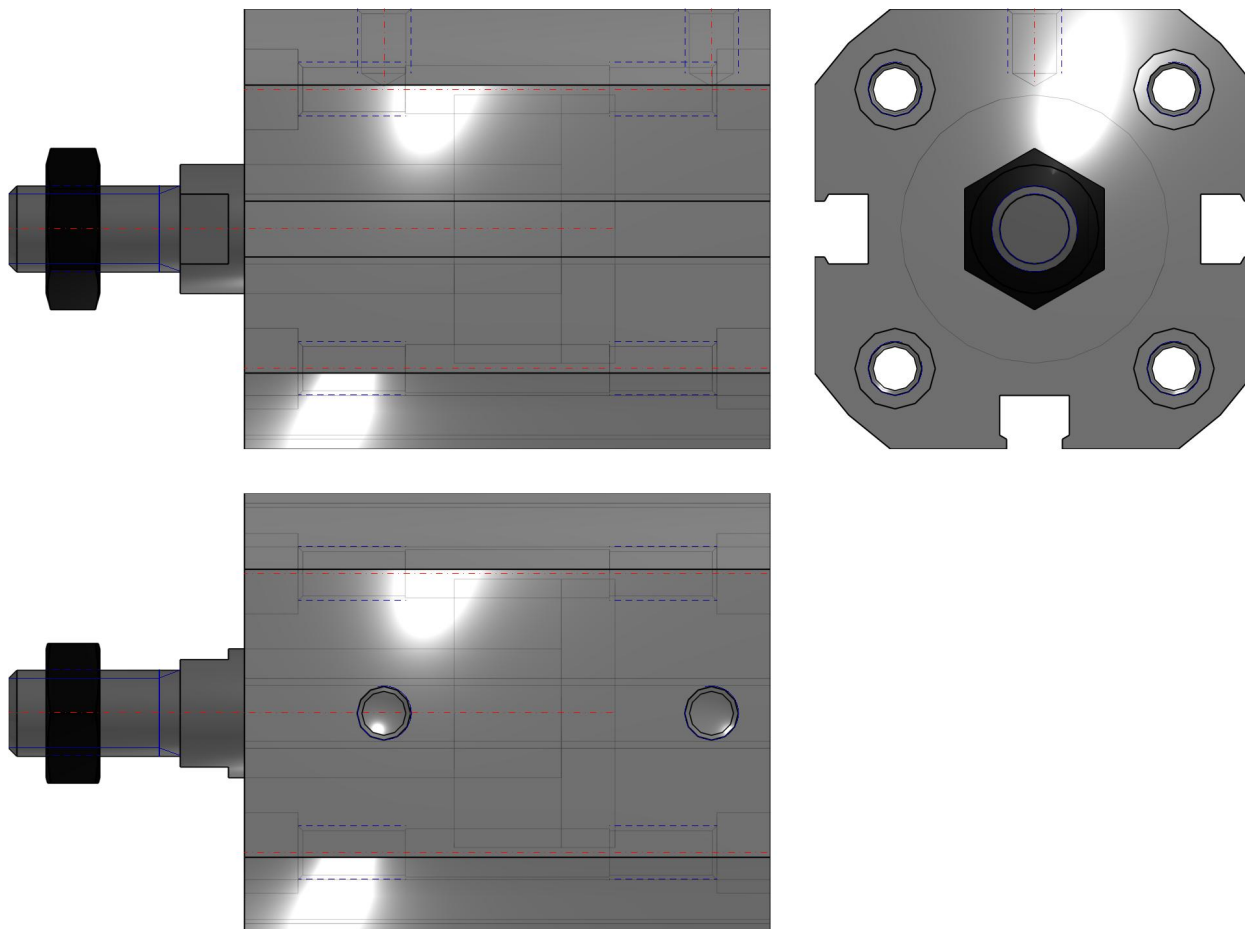
Double-acting, single-rod cylinder

Standard specifications

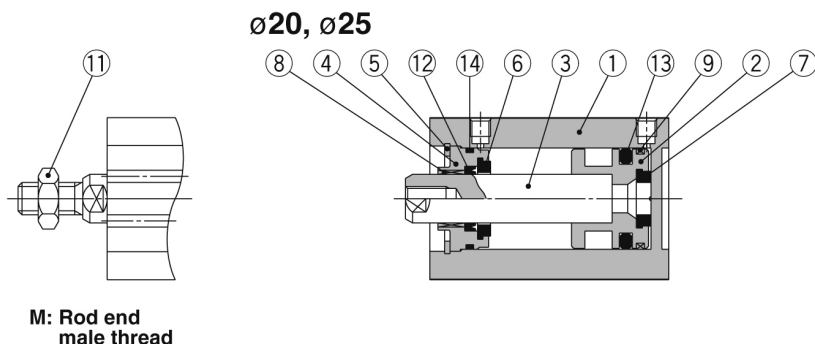
Built-in Magnet	D (With Magnet)
Mounting Style	B (Standard)
Bore Size	Ø25 mm
Stroke	10 mm
Rod End Thread	M (Rod End Male Thread)
Auto Switch	Without Autoswitch
Number	2 pcs. [Or None in the Case of No Switch]
Pressure medium	Compressed Air
Maximum temperature of pressure medium	70 °C
Maximum temperature 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
Number of pneumatic connections	2 pcs.
Pneumatic input connection	M5
Pneumatic output connection	M5
Pneumatic exhaust connection	M5
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	245 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	189 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	M8
Female thread of rod end	M6
Minimum piston speed	50 mm/s

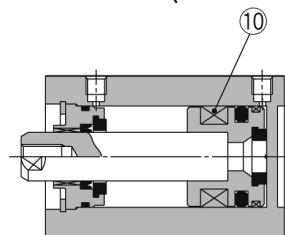
Dimensions



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](#)