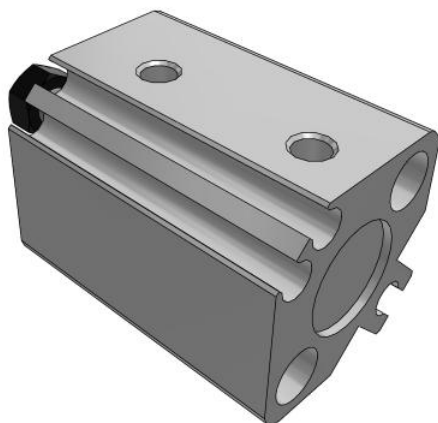




C(D)Q2, Compact Cylinder, Double Acting, Single Rod w/Auto Switch Mounting Groove CDQ2B12-8DCMZ

Datasheet

General series information

- Double acting, single rod, compact cylinder
- Bore sizes (mm): 12, 16, 20, 25, 32, 40, 50, 63, 80, 100
- Standard stroke range (mm): 5 to 100
- Port threads: M (12 to 25 bore); Rc, NPT or G (32 to 100 bore)
- Can mount small auto switches on 4 surfaces.

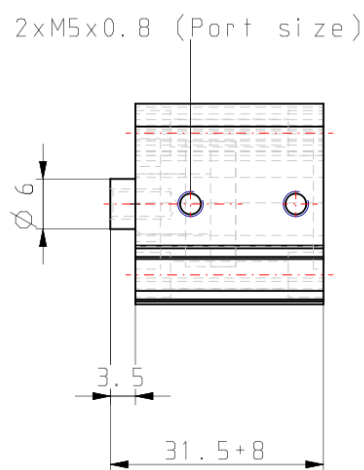
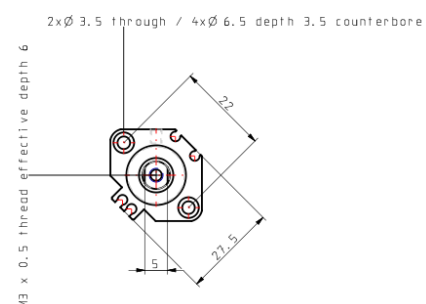
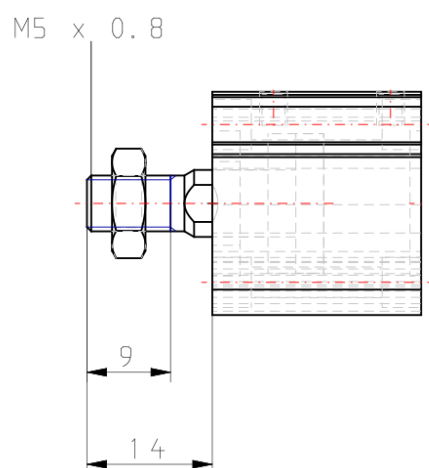


Standard specifications

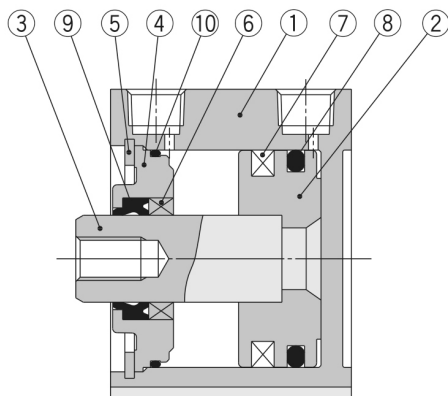
Magnet	D (Built-in)
Mounting	B (Through Hole [Standard])
Type	Standard
Bore Size	Ø12 mm
Port Thread Type	Rc
Lube-retainer	Without Stable Lubrication Function
Stroke	8
Body Option	CM [Rubber Bumper + Rod End Male Thread]
Auto Switch Groove	None, also for 12-25 Bore w/o Magnet
Mounting Bolt	None
Rod End Bracket	None
Auto Switch	No Switch
Lead Wire or Prewired Connector	Z (5 m)
Number	2 pcs.
Rod End Options	None
Temperature Resistance	None
Low Speed	None
Made of Stainless Steel	None

Fluororubber Seal	None
-	Compressed air
Maximum temperature of pressure medium	60 °C
Minimum temperature of pressure medium	-10 °C
Maximum operating pressure	1.0 MPa
Minimum operating pressure	0.07 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	-10 °C
Pneumatic input connection	M5
Theoretical cylinder force, advance stroke (at 0.5 MPa)	57 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	42 N
Maximum piston speed	500 mm/s
Male thread of rod end	M5 x 0.8
Female thread of rod end	M3 x 0.5
Minimum piston speed	50 mm/s
Weight	0.050 Kg

Dimensions



Constructions



Component Parts

No.	Description	Material	Note
1	Cylinder tube	Aluminum alloy	Hard anodised
2	Piston	Aluminum alloy	Chromated
3	Piston rod	Stainless steel	ø12 to ø25
		Carbon steel	ø32 to ø100, Hard chrome plated
4	Collar	Aluminum alloy	ø12 to ø40, Anodised
		Aluminum alloy casted	ø50 to ø100, Chromated, Painted
5	Retaining ring	Carbon tool steel	Phosphate coated
6	Bushing	Bearing alloy	For ø50 or more only
7	Magnet	—	
8	Piston seal	NBR	
9	Rod seal	NBR	
10	Gasket	NBR	

Additional information

Catalogue

[CQ2-Z-B_EU.pdf](#)