

C(D)76, Air Cylinder, Double Acting, Single Rod CD76E40-50C-B

Datasheet

General series information

- Standard, double acting, single rod
- Bore sizes (mm): 32, 40
- Max. operating pressure: 1.0MPa
- Rubber cushion or air cushion
- Rod boots available

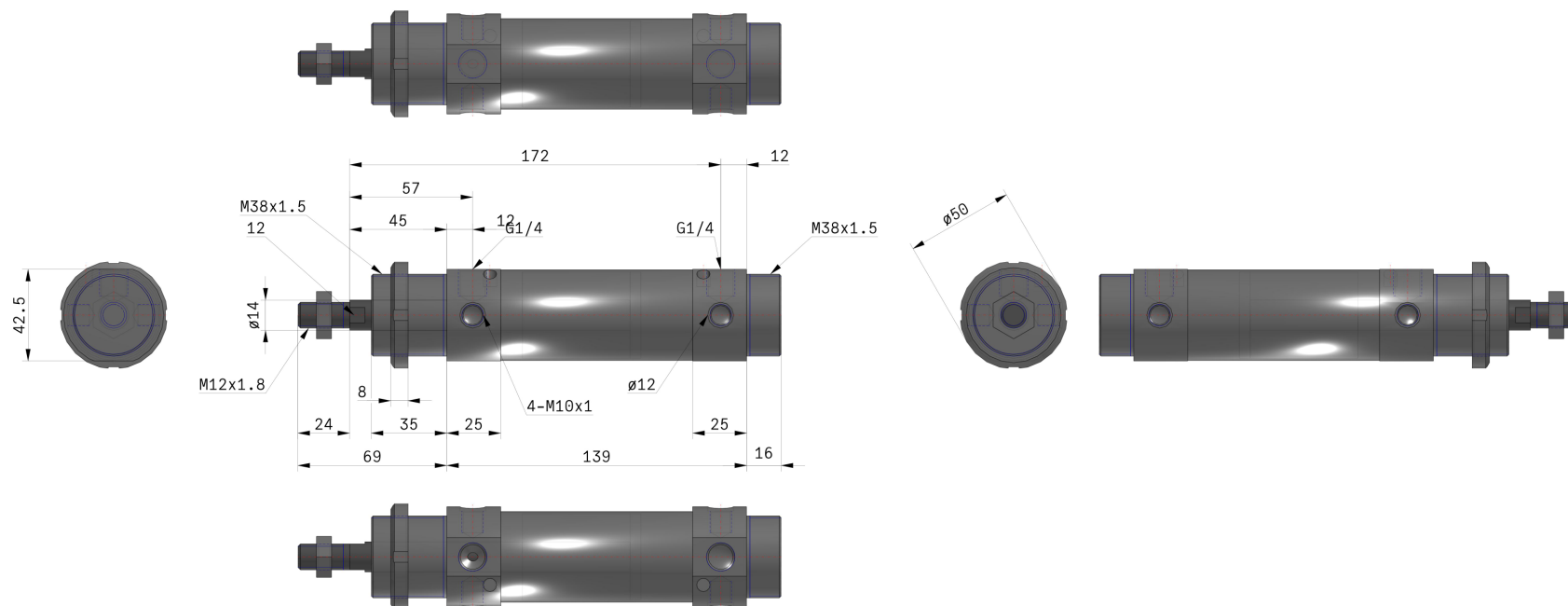


Double-acting, single-rod cylinder

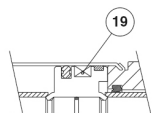
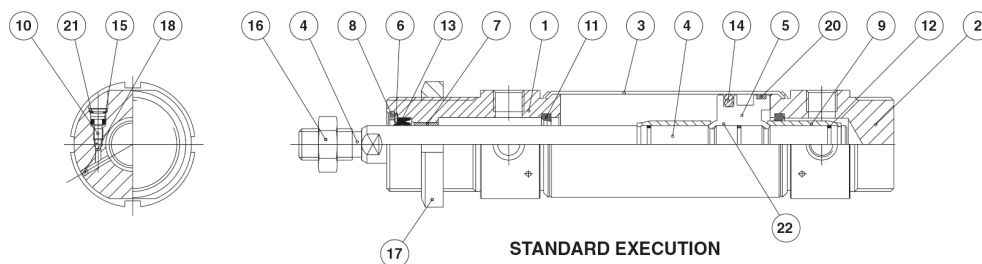
Standard specifications

Magnet	D (Built-in)
Mounting	E (Double End)
Bore Size	40 mm
Stroke	50
Cushion	C (Air Cushion)
Rod Boot	Standard
Switch Mounting	B (Band)
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)
Rod End Options	None
Temperature Resistance	None
Low Speed	None
Made of Stainless Steel	Standard
Maximum operating pressure	1.0 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.5 MPa
Pneumatic input connection	G 1/4

Pneumatic output connection	G 1/4
Pneumatic exhaust connection	G 1/4
Mode of operation of drive single	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	628 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	551 N
Maximum piston speed	1500 mm/s
Type of cushioning	Air cushion
Piston rod end	Male Thread
Male thread of rod end	M12 x 1.75
Minimum piston speed	50 mm/s
Non-rotating accuracy of plate	± 0.5°
Lubrication	Not required. Use turbine oil Class 1 ISO VG32, if lubricated.
Number of pneumatic connections	2
Fluid	Air
Ambient and fluid temperature	−10 - 60°C
Weight	0.790 Kg



Constructions



BUILT IN MAGNET

Parts List

Item	Part name	Material	Quantity	Remarks
1	Rod cover	Aluminum alloy	1	White alumite
2	Head cover E	Aluminum alloy	1	White alumite
3	Cylinder tube	Stainless steel	1	
4	Piston rod	Carbon steel	1	Hard chrome plated
5	Piston	Aluminum alloy	1	Chromate
6	Plain washer	Carbon steel	1	Nickel plating
7	Bush	Sintered bronze	1	
8	Retaining ring	Carbon steel	1	Nickel plating
9	Cushion ring	Copper alloy	2	
10	Cushion valve	Rolled Steel	2	Kanigen plating
11	Cushion packing	NBR	2	

Item	Part name	Material	Quantity	Remarks
12	Cushion ring gasket	NBR	2	
13	Rod seal	NBR	1	
14	Piston seal	NBR	1	
15	Cushion valve packing	NBR	1	
16	Rod end nut	Carbon steel	1	Nickel plating
17	Mounting nut	Carbon steel	1	Nickel plating
18	Steel ball	Stainless steel	2	
19	Magnet		1	
20	Wear ring	Phenolic resin	1	
21	Retaining ring	Stainless steel	2	
22	Piston gasket	NBR	1	

Additional information

Catalogue

[C76_EU.pdf](#)