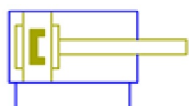


C(D)76K, Air Cylinder, Non-rotating, Double Acting, Single Rod CD76KE32-10-A

Datasheet

The C76 series air cylinders offer a simple, space saving design with high dimensional accuracy, making these cylinders very easy to use. Large spanner flats on the rod and head covers greatly simplify their installation and positioning. Low friction and the standard elastomer cushion rings allow piston speeds up to 1500mm/sec. Greater side loads are allowed due to the close tolerance of the piston rod in the front-end bush.



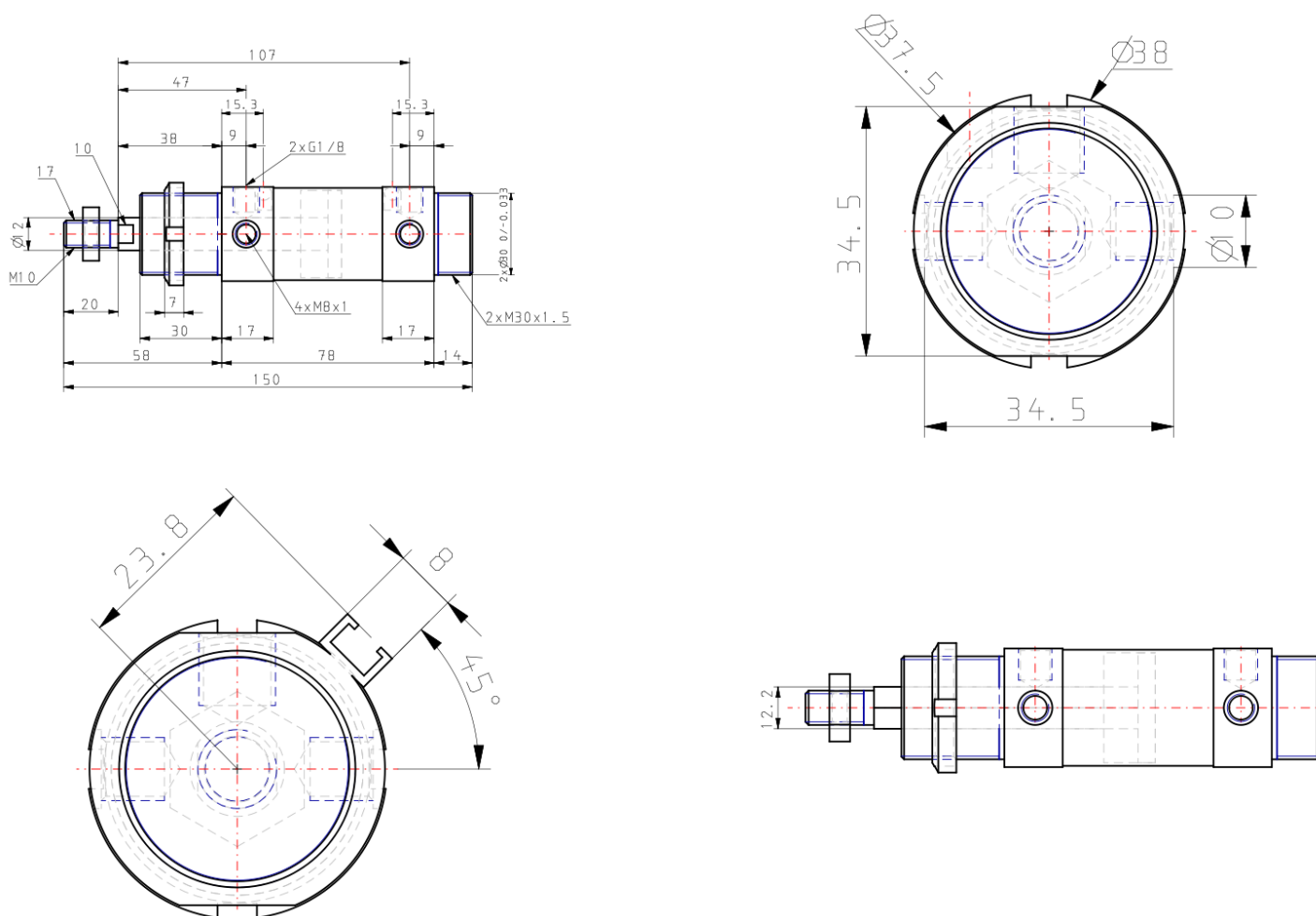
Double-acting cylinder with double non rotating piston rod

Standard specifications

Magnet	D (Built-in)
Mounting	E (Double End)
Bore Size	32mm
Stroke	10
Rod Boot	Standard
Switch Mounting	A (Rail)
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
Made of Stainless Steel	Standard
Long Stroke	Standard
Pressure medium	Compressed Air
Maximum temperature of pressure medium	80 °C
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium	-20 °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

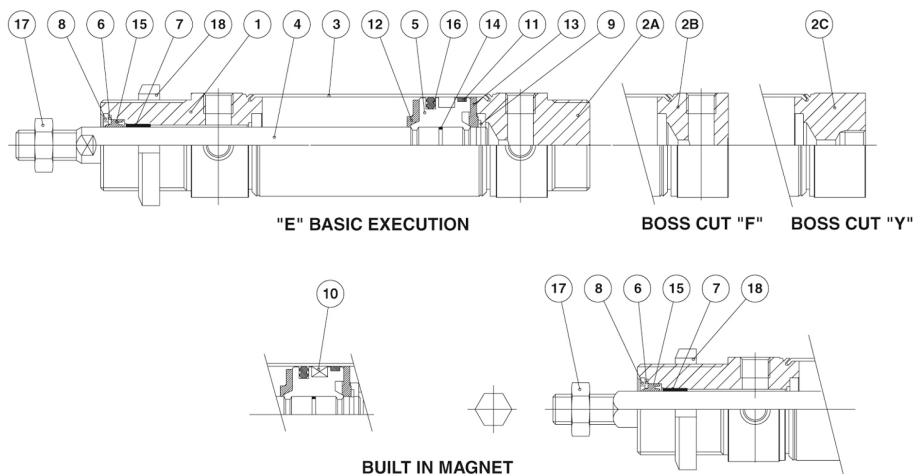
Maximum ambient temperature	80 °C
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature	-20 °C
Minimum ambient temperature with magnet	-10 °C
Numero of pneumatic connections	2 pcs.
Pneumatic input connection	G 1/8
Pneumatic output connection	G 1/8
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	401.9 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	345 N
Maximum piston speed	1500 mm/s
Type of cushioning	Rubber Bumper
Piston rod end	Male Thread
Geometric form of the piston rod	Single rod
Male thread of rod end	M10
Weight	0.000 Kg

Dimensions



Constructions

C 76 32 ~ 40 Rubber Cushion (Disassembly is not possible)

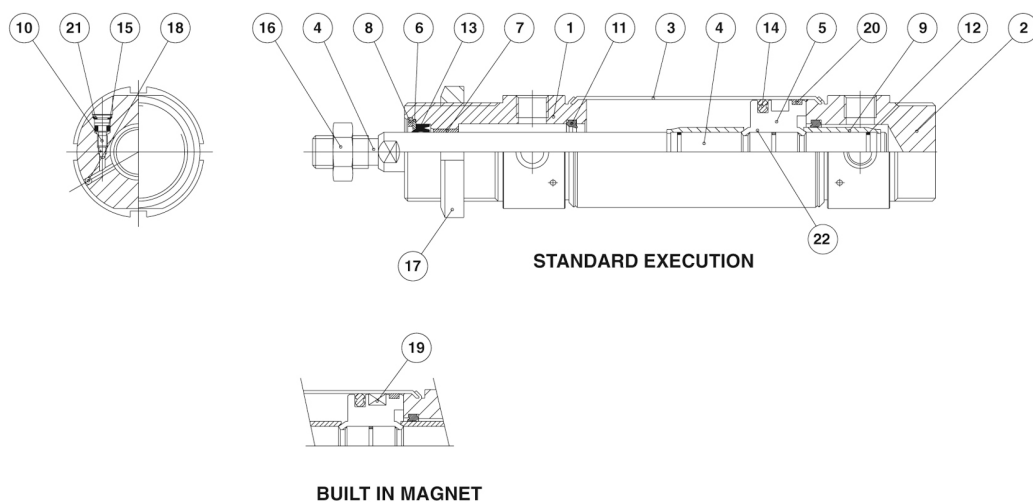


Parts List

Item	Part name	Material	Quantity	Remarks
1	Rod cover	Aluminum alloy	1	White alumite
2A	Head cover E	Aluminum alloy	1	White alumite
2B	Head cover F	Aluminum alloy	1	White alumite
2C	Head cover Y	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

Item	Part name	Material	Quantity	Remarks
9	Retaining ring	Carbon steel	1	Nickel plating
10	Magnet	Magnet	1	(Switch type only)
11	Wear ring	Phenolic resin	1	
12	Bumper A	Urethane	1	
13	Bumper B	Urethane	1	
14	Piston gasket	NBR	1	
15	Rod seal	NBR	1	
16	Piston seal	NBR	1	
17	Rod end nut	Carbon steel	1	Nickel plating
18	Mounting nut	Carbon steel	1	Nickel plating

C 76 32 ~ 40 Air Cushion (Disassembly is not possible)



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](#)