

C96S(D), ISO 15552 Cylinder, Double Acting, Single/Double Rod with Air cushion on both ends and Bumper cushion C96SDB50-320C

Datasheet

General series information

- Double acting, standard type, single or double rod with Air cushion on both ends and Bumper cushion
- Bore sizes (mm): 32, 40, 50, 63, 80, 100
- Standard stroke up to 1900mm
- Auto switch capable

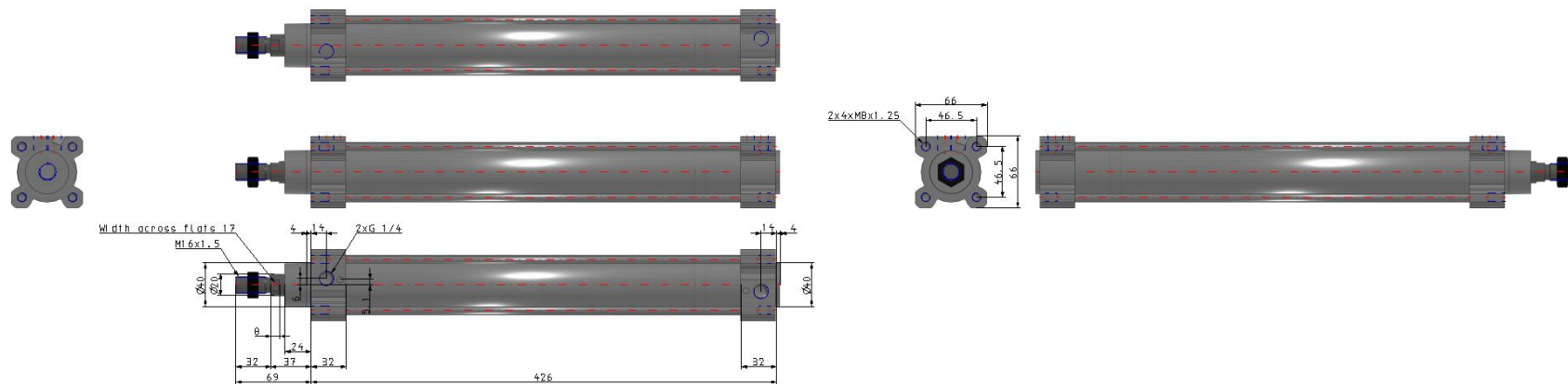


*Double-acting cylinder with cushioning
adjustable at both ends, single piston rod*

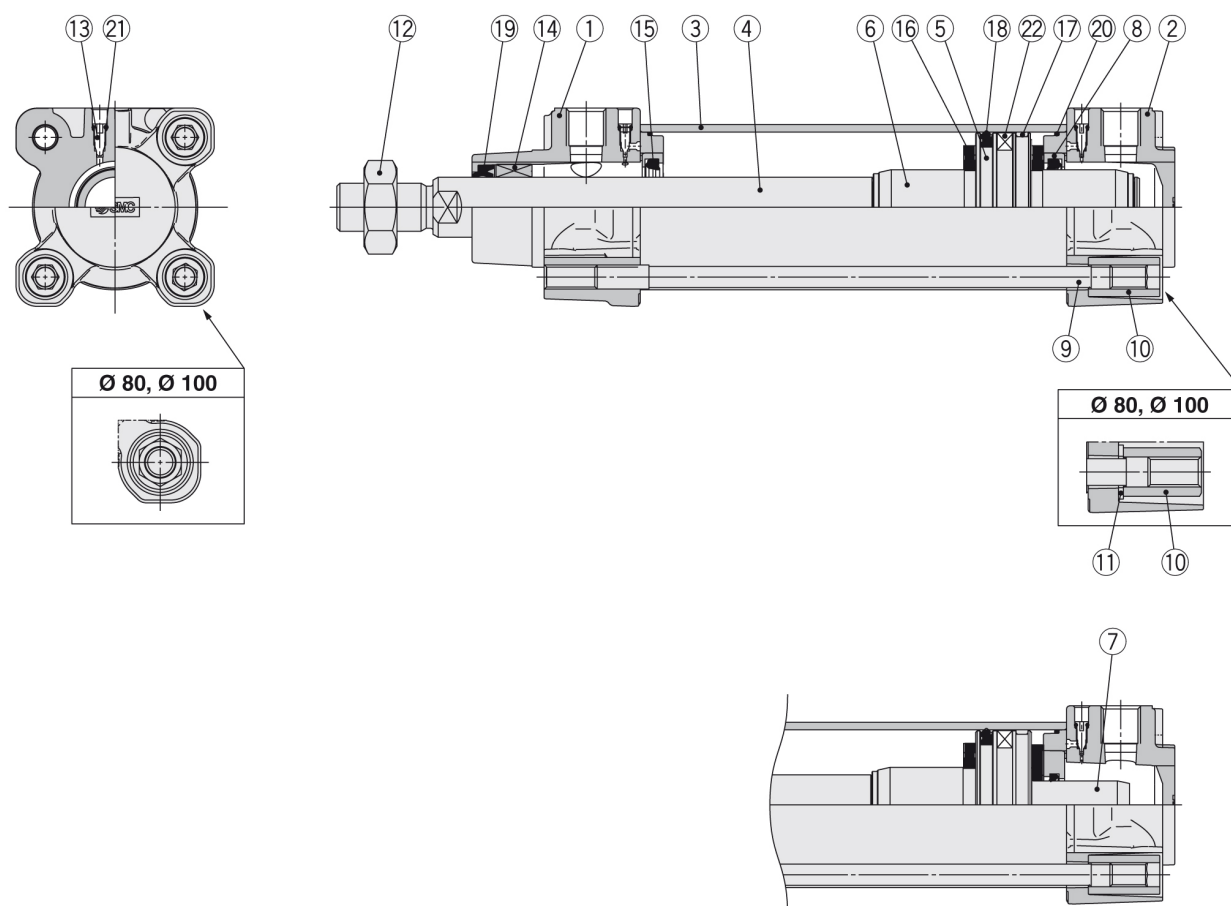
Standard specifications

Heavy Duty Scraper	None
Tie Rod	None
Stroke	320
Magnet	D (Built-in Magnet)
Rod	Single Rod
Rod End Options	None
Auto Switch	No Switch
Mounting	B (Basic)
Bore Size	Ø50 mm
Rod Boot	w/o Rod Boot
Made of Stainless Steel (-XC68)	None
Lead Wire or Prewired Connector	0.5m [Or None in the Case of No Switch]
Fluororubber Seal	None
Number	2 pcs. [Or None in the Case of No Switch]
Made of Stainless Steel (-XC65)	None
Temperature Resistance	None
Coil Scraper	None
Pressure medium	Compressed Air
Maximum temperature of pressure medium with magnet	60 °C

Minimum temperature of pressure medium with magnet	-10 °C (no freezing)
Maximum operating pressure	1.0 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature with magnet	-10 °C (no freezing)
Number of pneumatic connections	2 pcs.
Pneumatic input connection	G 1/4
Pneumatic output connection	G 1/4
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	982 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	825 N
Maximum piston speed	1,000 mm/s
Type of cushioning	Air cushion on both ends + Bumper cushion
Piston rod end	Male thread
Geometric form of the piston rod	Single rod
Male thread of rod end	M16 x 1.5
Minimum piston speed	50 mm/s
Weight	2.626 Kg



Constructions



Component Parts

No.	Description	Material	Note
1	Rod cover	Aluminium die-cast	
2	Head cover	Aluminium die-cast	
3	Cylinder tube	Aluminium alloy	
4	Piston rod	Carbon steel	
5	Piston	Aluminium alloy Aluminium die-cast	Ø 32 to Ø 63 Ø 80, Ø 100
6	Cushion ring A	Aluminium alloy	
7	Cushion ring B	Aluminium alloy	
8	Cushion seal holder	Aluminium alloy	
9	Tie-rod	Carbon steel	
10	Tie-rod nut	Steel	
11	Flat washer	Steel	Ø 80, Ø 100
12	Rod end nut	Steel	
13	Cushion valve	Resin	
14	Bushing	Bearing alloy	
15	Cushion seal	Urethane	
16	Bumper	Urethane	
17	Wear ring	Resin	
18	Piston seal	NBR	
19	Rod seal	NBR	
20	Cylinder tube gasket	NBR	
21	Cushion valve seal	NBR	
22	Magnet		

Replacement Parts/Seal Kit (Single rod)

Bore size [mm]	Kit no.	Contents
32	CS95-32	Kits include items 15, 17 to 20.
40	CS95-40	
50	CS95-50	
63	CS95-63	
80	CS95-80	
100	CS96-100	

Seal Kit (Double rod)

Bore size [mm]	Kit no.	Contents
32	CS95W-32	Kits include items 15, 18 to 20
40	CS95W-40	
50	CS95W-50	
63	CS95W-63	
80	CS95W-80	
100	CS96W-100	

Additional information

Catalogue

[C96-Bb_EU.pdf](#)