

CP96K(D), ISO 15552 Cylinder, Non-rotating Rod Type, Double Acting, Single/Double Rod with Air cushion on both ends and Bumper cushion

CP96KDB100-400CW

Datasheet

General series information

- Double acting, Non-rotating, 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 500mm, maximum stroke 800mm
- Auto switch capable

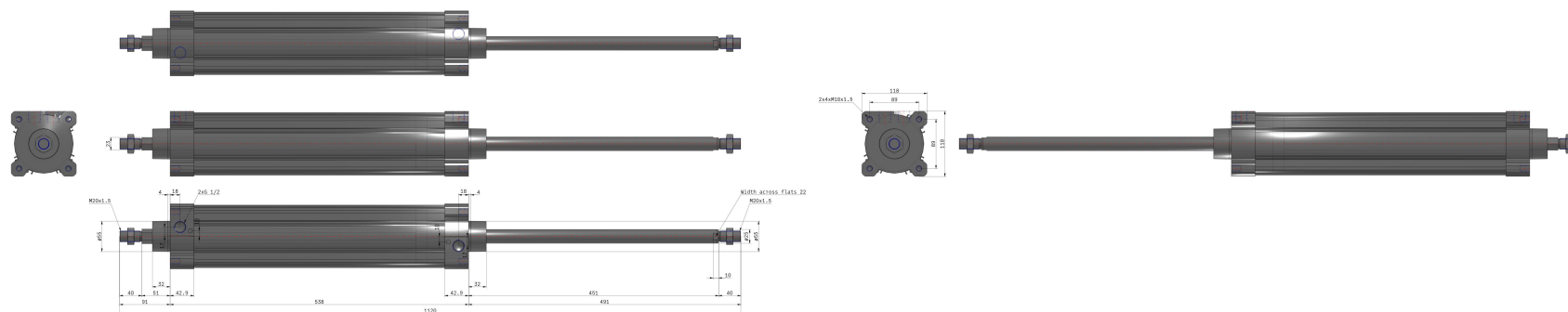


Double-acting cylinder with double non rotating
piston rod

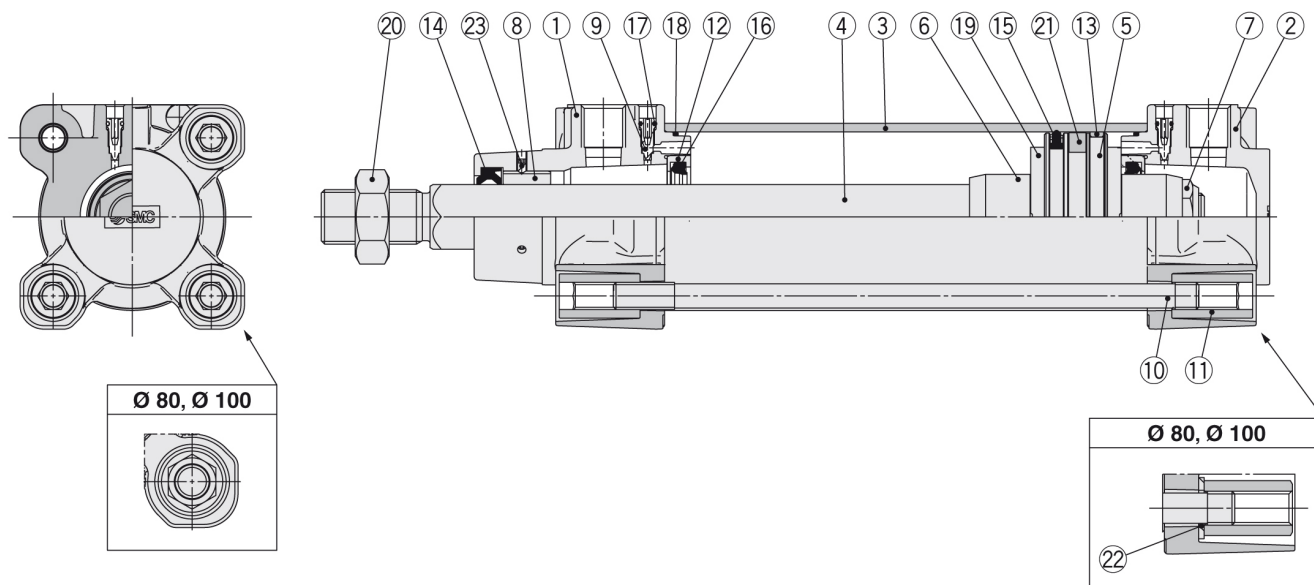
Standard specifications

Magnet	D (Built-in Magnet)
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø100 mm
Stroke	400
Rod	W (Double Rod)
Auto Switch	No Switch
Lead Wire or Pre-wired Connector	0.5 m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in Case of No Switch)
Pressure medium	Compressed air
Maximum temperature of pressure medium	60 °C
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium	-10 °C (no freezing)
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	60 °C
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature	-10 °C (no freezing)

Minimum ambient temperature with magnet	-20 °C (no freezing)
Number of pneumatic connections	2 pcs.
Pneumatic pilot connections	G 1/2
Pneumatic exhaust connection	G 1/2
Mode of operation of drive	Double acting
Maximum piston speed	1,000 mm/s
Type of cushioning	Air cushion on both ends + Bumper cushion
Piston rod end	Male thread
Male thread of rod end	M20 x 1.5
Minimum piston speed	50 mm/s



Constructions



Component Parts

No.	Description	Material	Q'ty	Note
1	Rod cover	Aluminium die-cast	1	Trivalent chromated
2	Head cover	Aluminium die-cast	1	Trivalent chromated
3	Cylinder tube	Aluminium alloy	1	Hard anodised
4	Piston rod	Stainless steel	1	
5	Piston	Aluminium alloy	1	
6	Cushion ring	Rolled steel	2	Trivalent zinc chromated
7	Piston nut	Rolled steel	1	Trivalent zinc chromated
8	Non-rotating guide	Bearing alloy	1	
9	Cushion valve	Resin	2	
10	Tie-rod	Carbon steel	4	Trivalent zinc chromated
11	Tie-rod nut	Rolled steel	8	Trivalent zinc chromated
12	Cushion seal holder	Aluminium alloy	2	Anodised
13	Wear ring	Resin	1	
14	Rod seal	NBR	1	
15	Piston seal	NBR	1	
16	Cushion seal	Urethane	2	
17	Cushion valve seal	NBR	2	
18	Cylinder tube gasket	NBR	2	
19	Bumper	Urethane	2	
20	Rod end nut	Rolled steel	1	Trivalent zinc chromated
21	Magnet	—	(1)	
22	Flat washer	Steel	8	For Ø 80, Ø 100
23	Hexagon socket head set screw	Steel wire	2	Trivalent black zinc chromated

Replacement Parts/Seal Kit (Single rod)

Bore size [mm]	Kit no.	Contents
32	CK95-32	Kits include items 13 to 16, 18.
40	CK95-40	
50	CK95-50	
63	CK95-63	
80	CK95-80	
100	CK96-100	

Seal Kit (Double rod)

Bore size [mm]	Kit no.	Contents
32	CK95W-32	Kits include items 14 to 16, 18.
40	CK95W-40	
50	CK95W-50	
63	CK95W-63	
80	CK95W-80	
100	CK96W-100	

Additional information

Catalogue

[CP96-Bb_EU.pdf](#)

Operation manuals

[OM_CP96x-C_OM0002QEN.pdf](#)