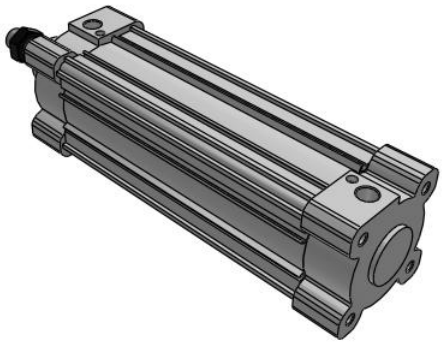


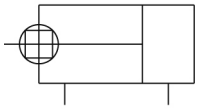
CP96K(D), ISO 15552 Cylinder, Non-rotating Rod Type, Double Acting, Single/Double Rod with Air cushion on both ends and Bumper cushion

CP96KB80-200C

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, non-rotating single piston rod

Standard specifications

Magnet	None
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø80 mm
Stroke	200
Rod	Single 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	70 ºC
Minimum temperature of pressure medium	-20 ºC (no freezing)
Maximum operating pressure	1.0 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature	70 ºC
Minimum ambient temperature	-20 ºC (no freezing)
Number of pneumatic connections	2 pcs.
Pneumatic input connection	G 3/8
Pneumatic exhaust connection	G 3/8

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

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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

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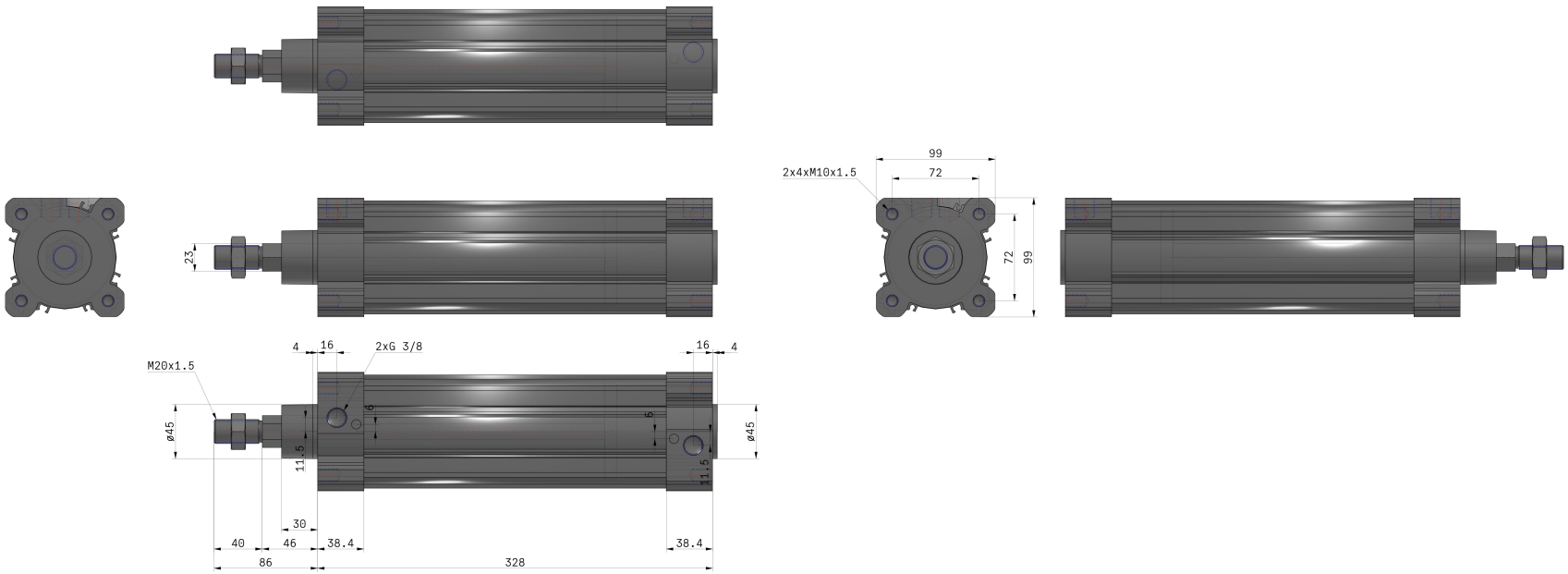
Dimensions



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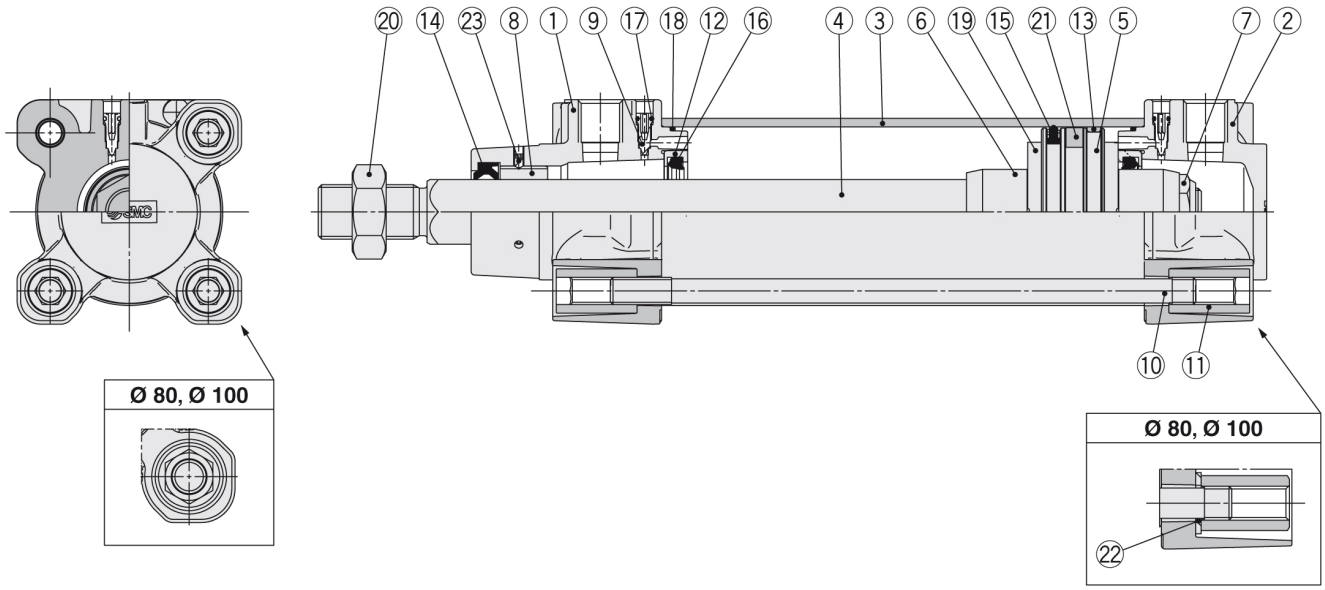
Constructions



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	

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Additional information

Catalogue	CP96-Bb_EU.pdf
Operation manuals	OM_CP96x-C_OM0002QEN.pdf

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