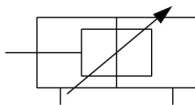


## C(D)G5-S, Stainless Steel Cylinder, Double Acting, Single Rod CDG5BA20SV-150

### Datasheet

SMC's CG5-S series is a stainless steel cylinder, perfect for use in wash down applications such as food processing machinery requiring intense cleaning. The use of non-toxic additives allows confident use in equipment for foods, beverages and medical products, etc. The CG5-S can be disassembled, allowing replacement of seals, which promotes an extended service life. SMC provides plugs for unused mounting threads to prevent residue build-up in the threads. The use of stainless steel (SUS304) on external metal parts provides improved corrosion resistance in environments with exposure to water.



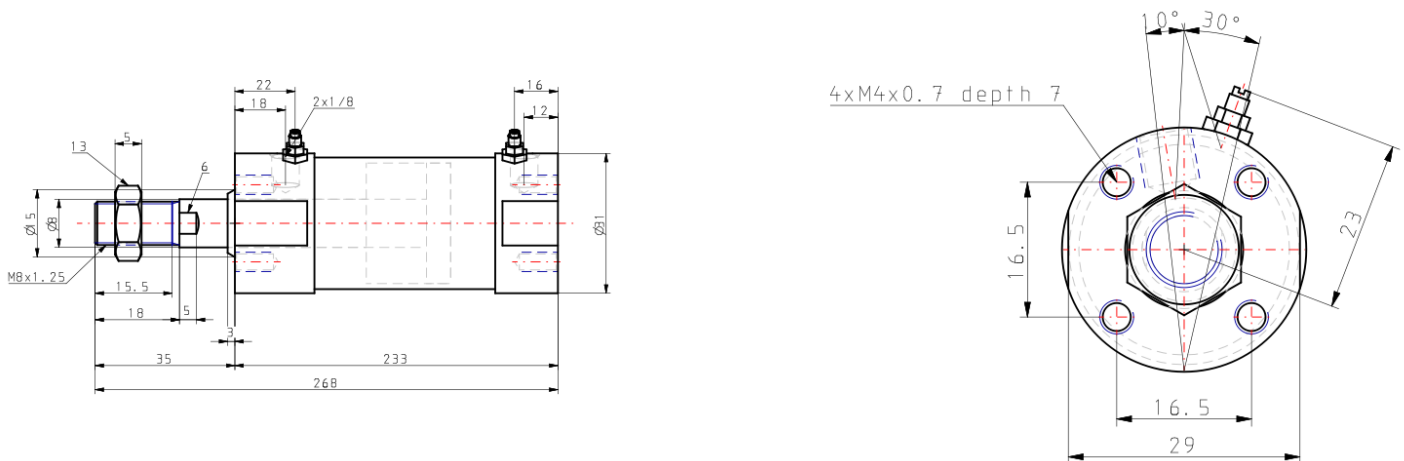
*Double-acting cylinder with cushioning adjustable at both ends, single piston rod*

### Standard specifications

Magnet	D (Built-in)
Mounting	B (Basic Style)
Style	A (Non-lube Air Cushion)
Bore Size	20mm
Thread	Rc (M5 for Air Cushion 20 & 25 Bore)
Seal Material	V (FKM)
Stroke	150
Auto Switch	None
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
Pressure medium	Air
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium with magnet	-10 °C
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
Conform to the European RoHS Directive	Conform
Numero of pneumatic connections	2 pcs.
Pneumatic input connection	M5 x 0.8
Mode of operation of drive	Double acting
Maximum piston speed	1000 mm/s
Piston rod end	External thread
Geometric form of the piston rod	Round piston rod
Male thread of rod end	M8 x 1.25
Minimum piston speed	50 mm/s
Weight	0.520 Kg

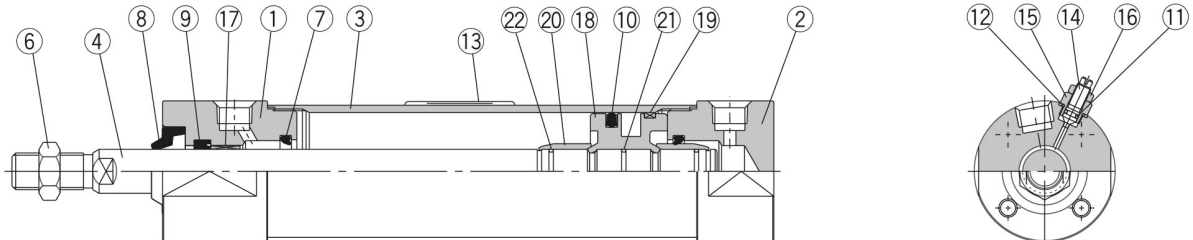
## Dimensions



# Constructions

## Construction

With air cushion



### Component Parts

No.	Description	Material
1	Rod cover	Stainless steel 304
2	Head cover	Stainless steel 304
3	Cylinder tube	Stainless steel 304
4	Piston rod	Stainless steel 304   Hard chrome plated
6	Rod end nut	Stainless steel 304
7	Cushion seal	Urethane
14	Cushion valve	Stainless steel 304
15	Valve retainer	Stainless steel 304
16	Lock nut	Stainless steel 304
17	Bushing	Bearing alloy
18	Piston	Aluminium alloy
19	Wearing	Resin
20	Cushion ring	Aluminium alloy

Note 1) Component part material and surface treatment other than listed above are the same as the standard type of Series CG1.

Note 2) For cylinders with an auto switch, the piston is fixed with a magnet.

No.	Description	Material	
		CG5□□□SR	CG5□□□SV
8	Water resistant scraper	NBR	FKM
9	Rod seal		
10	Piston seal		
11	Valve seal		
12	Valve retainer gasket		
21	Piston gasket		
22	Cushion ring gasket	PET	
13	Label protector	PET	

## Additional information

Catalogue

[CJ5-CG5-B\\_EU.pdf](#)