



C(D)G3 Air Cylinder, Double Acting, Single Rod, Short Type CDG3BN20-100

Datasheet

General series information

- This product is being discontinued and will be replaced by CG3-Z1 series. [Update details here.](#)
- Standard: double acting single rod
- Bore sizes (mm): 20, 25, 32, 40, 50, 63, 80, & 100
- Strokes from 25mm through 300mm
- Mounts: basic, foot, front or rear flange, clevis
- Variety of switches and a variety of lead wire lengths



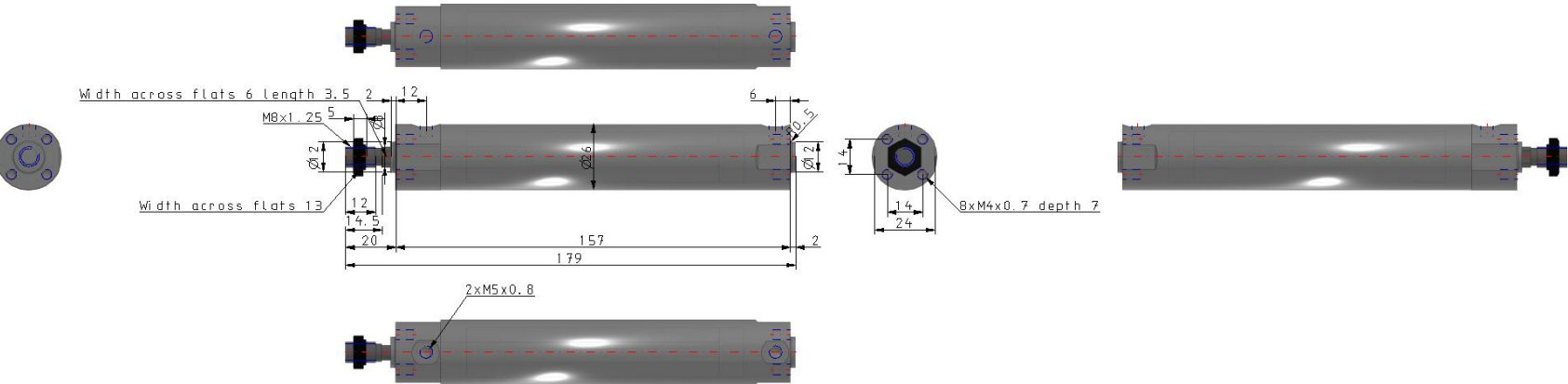
Double-acting, single-rod cylinder

Standard specifications

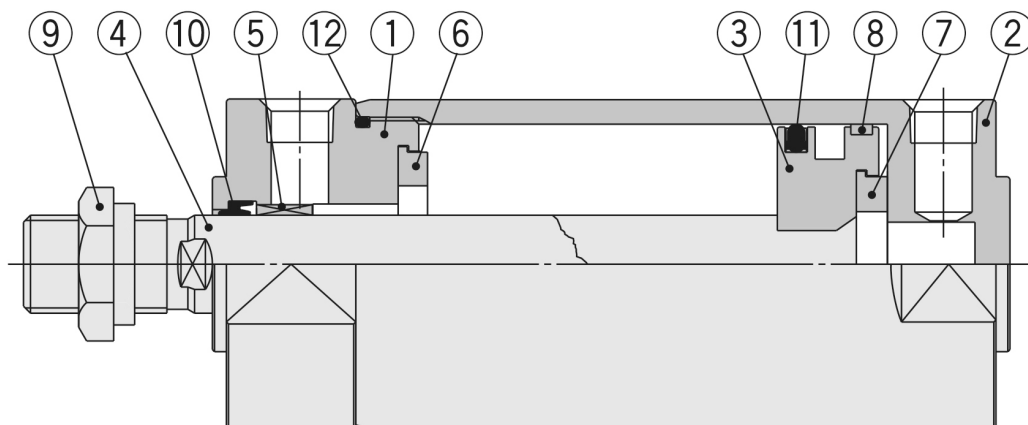
Magnet	D (Built-in)
Mounting	B (Basic)
Bore Size	20 mm
Stroke	100
Rod End Thread	Male Thread
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
Pressure medium	Air
Maximum temperature of pressure medium with magnet	60 °C
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.0 MPa
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature with magnet	-10 °C
Mode of operation of drive	Double acting
Maximum piston speed	1000 mm/s

Geometric form of the piston rod	Single rod
Minimum piston speed	50 mm/s
Allowable kinetic energy	0.2 J
Lubrication	Not required (non-lube)
Stroke length tolerance	Up to 200 mm st +1.4 0 mm
Weight	0.200 Kg

Dimensions



Constructions



Component Parts

No.	Description	Material	Note
1	Rod cover	Aluminium alloy	Hard anodised
2	Tube cover	Aluminium alloy	Hard anodised
3	Piston	Aluminium alloy	Chromated
4	Piston rod	Iron*	Hard chrome plated*
5	Bushing	Copper alloy	
6	Bumper A	Urethane	
7	Bumper B	Urethane	
8	Wear ring	Resin	
9	Rod end nut	Iron	Nickel plated
10	Rod seal	NBR	
11	Piston seal	NBR	
12	Tube gasket	NBR	

Additional information

Catalogue

[CG3-B_EU.pdf](#)