

## C(D)G3 Air Cylinder, Double Acting, Single Rod, Short Type CDG3BN25-50

Datasheet

### General series information

- 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



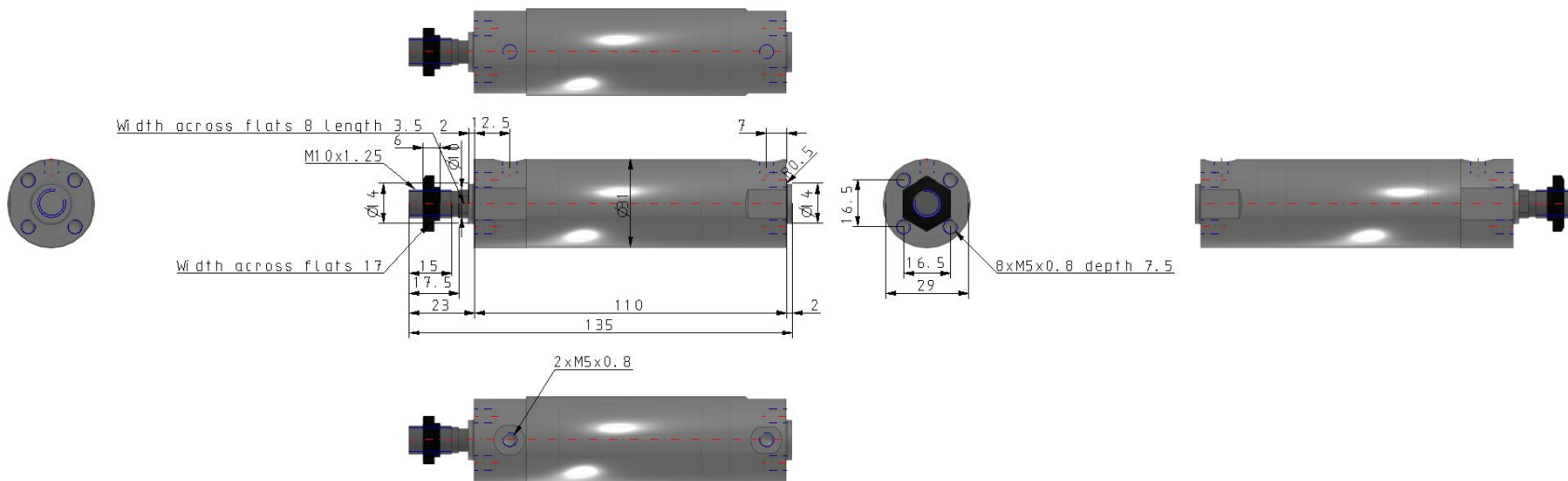
Double-acting, single-rod cylinder

### Standard specifications

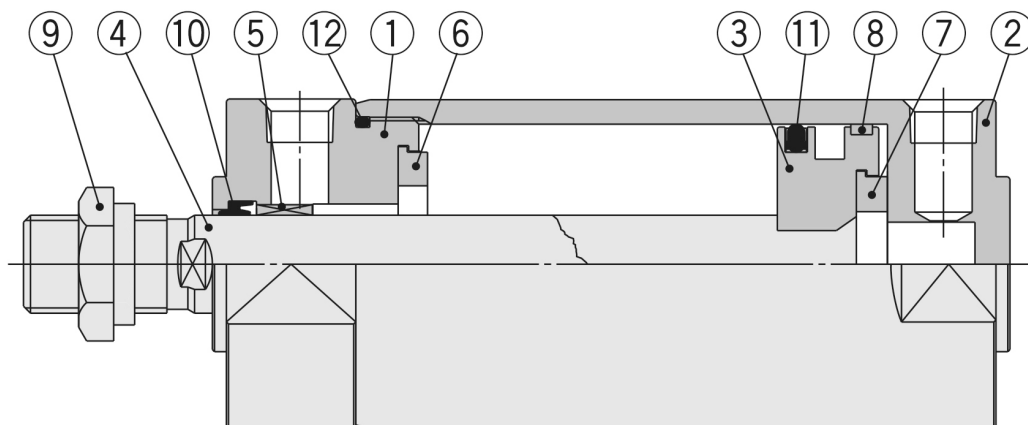
Magnet	D (Built-in)
Mounting	B (Basic)
Bore Size	25mm
Stroke	50
Rod End Thread	Male Thread
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
Pressure medium	Air
Maximum temperature of pressure medium with magnet	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	0.29 J
Lubrication	Not required (non-lube)
Stroke length tolerance	Up to 300 mm st +1.4 0 mm
Weight	0.220 Kg

# Dimensions



## Constructions



## Component Parts

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

## Additional information

Catalogue

[CG3-B\\_EU.pdf](#)