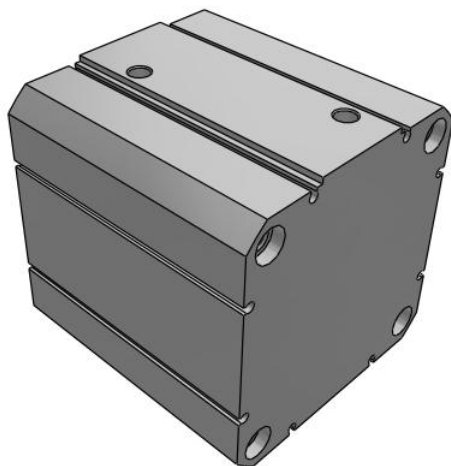




C(D)55, Compact Cylinder ISO Standard (ISO 21287) C55B100-50M

Datasheet

General series information

- This product is being discontinued and will be replaced by C55-Z series. [Update details here.](#)
- Conforms with the ISO 21287 standard.
- Bore sizes of 20, 25, 32, 40, 50, 63, 80 & 100 mm.
- Large stroke range from 5 mm up to 150 mm.
- Construction is similar to the current CQ2 lateral load resistant specification.
- Snap ring construction allows easy and quicker maintenance.
- Auto switches can be mounted on any of the four sides of the cylinder tube.



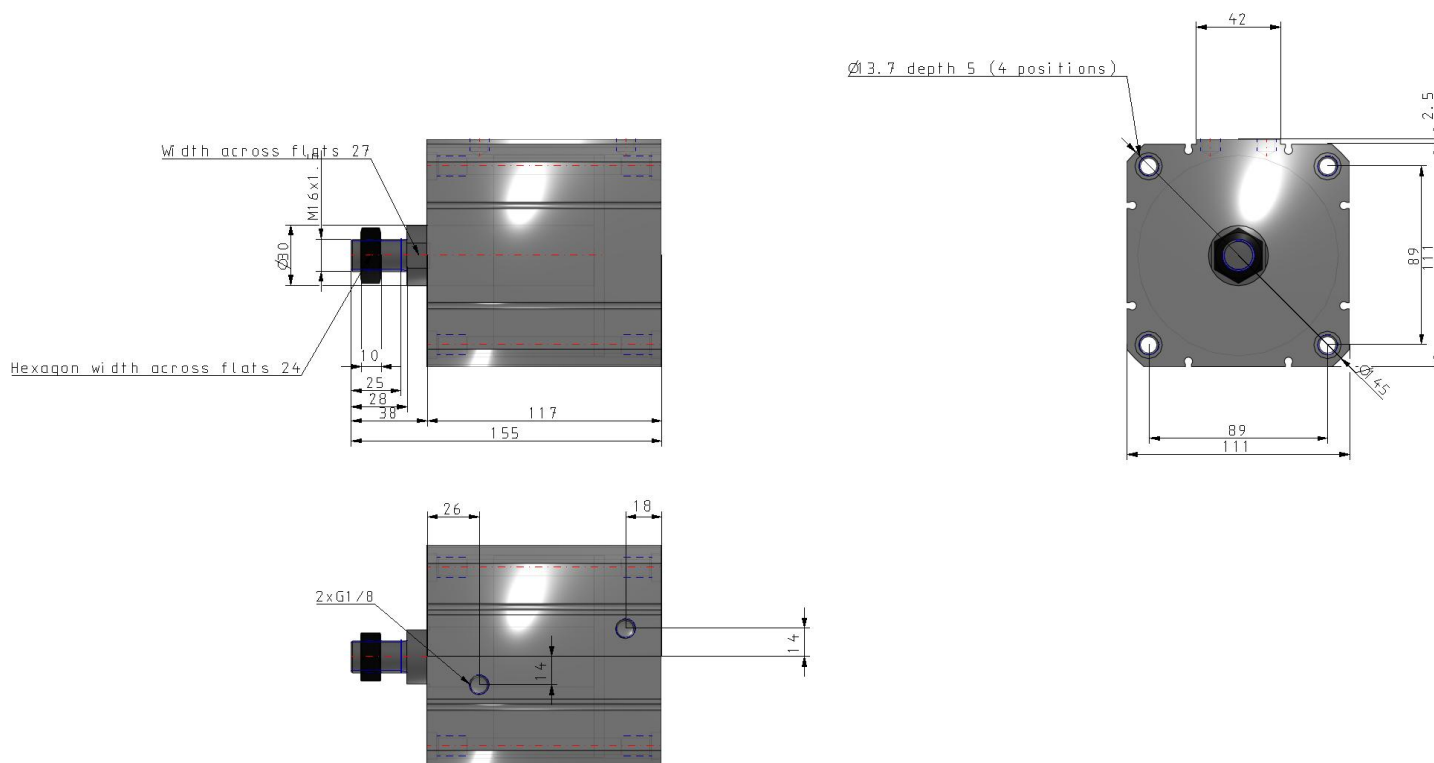
Double-acting, single-rod cylinder

Standard specifications

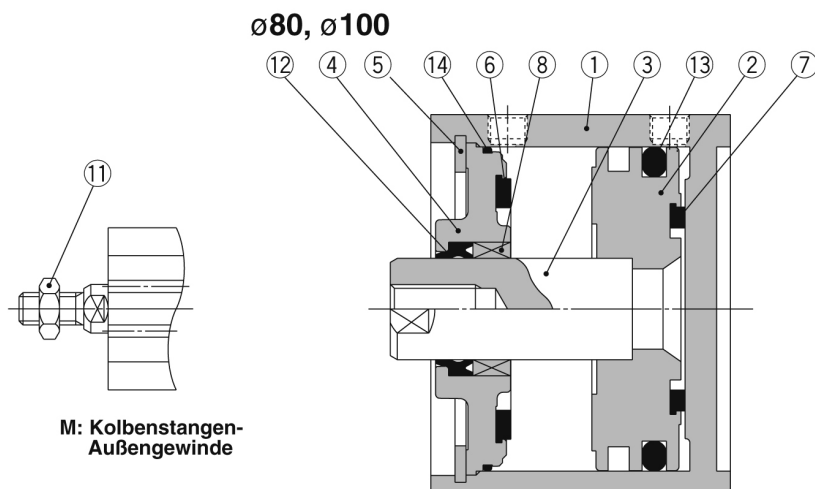
Built-in Magnet	Without Magnet
Mounting Style	B (Standard)
Bore Size	100 mm
Stroke	50
Rod End Thread	M (Rod End Male Thread)
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5m [Or None in the Case of No Switch]
Number	2 pcs. [Or None in the Case of No Switch]
Rod End Options	None
Made of Stainless Steel	None
Pressure medium	Air; Air
Maximum temperature of pressure medium	70 °C; 70 °C
Maximum temperature of pressure medium with magnet	60 °C; 60 °C
Minimum temperature of pressure medium	-10 °C (No freezing); -10 °C (No freezing)
Minimum temperature of pressure medium with magnet	-10 °C (No freezing); -10 °C (No freezing)
Maximum operating pressure	1.0 MPa

Minimum operating pressure	0.03 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature	70 °C;70 °C
Maximum ambient temperature with magnet	60 °C;60 °C
Minimum ambient temperature	-10 °C (No freezing)
Minimum ambient temperature with magnet	-10 °C (No freezing);-10 °C (No freezing)
Number of pneumatic connections	2 pcs.
Pneumatic input connection	G 1/8
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	3930 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	3580 N
Maximum piston speed	300 mm/s
Type of cushioning	Rubber bumper on both end
Geometric form of the piston rod	Single rod
Male thread of rod end	M16 x 1.5
Weight	2.947 Kg

Dimensions



Constructions



mit Signalgeber (eingebauter Magnetring)



Stückliste

Pos.	Beschreibung	Material	Anm.
1	Zylinderrohr	Aluminiumlegierung	harteloxiert
2	Kolben	Aluminiumlegierung	chromatiert
3	Kolbenstange	rostfreier Stahl	ø20, ø25
		Stahl	ø32 bis ø100 hartverchromt
4	Zylinderdeckel	Aluminiumlegierung	ø20 bis ø40 eloxiert
		Aluminiumguss	ø50 bis ø100 nach Chromatieren lackiert
5	Sicherungsring	Werkzeugstahl	phosphatbeschichtet
6	Dämpfscheibe A	Urethan	
7	Dämpfscheibe B	Urethan	
8	Buchse	Legierung	
9	Kolbenführungsband	Kunststoff	ø20 bis ø63
10	Magnetring	—	
11	Kolbenstangenmutter	Stahl	vernickelt
12	Kolbenstangendichtung	NBR	
13	Kolbendichtung	NBR	
14	Zylinderrohrdichtung	NBR	

Ersatzteile/Dichtungs-Sets

Kolbendurchmesser (mm)	Set-Nr.	Inhalt
20	CQ2B20-PS	Ein Set enthält die Nr. 12, 13, 14
25	CQ2B25-PS	
32	CQ2B32-PS	
40	CQ2B40-PS	
50	CQ2B50-PS	
63	CQ2B63-PS	
80	CQ2B80-PS	
100	CQ2B100-PS	

* Die Dichtungs-Sets bestehen jeweils aus den Artikeln 12, 13, 14. Sie können unter der Angabe der Bestell-Nr. des jeweiligen Kolben-Ø bestellt werden.

Additional information

Catalogue

[C55-B_EU.pdf](#)

Operation manuals

[OM_C55_OM0280QEN-2.pdf](#)