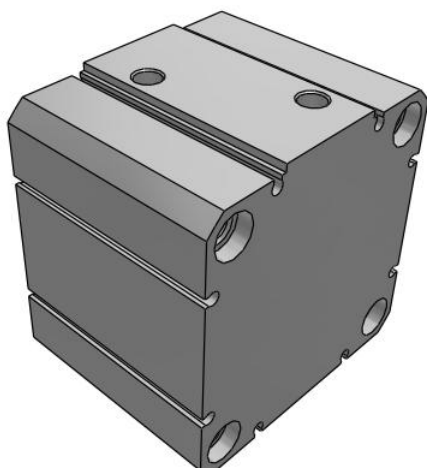




C(D)55, Compact Cylinder ISO Standard (ISO 21287) CD55B80-20M

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.



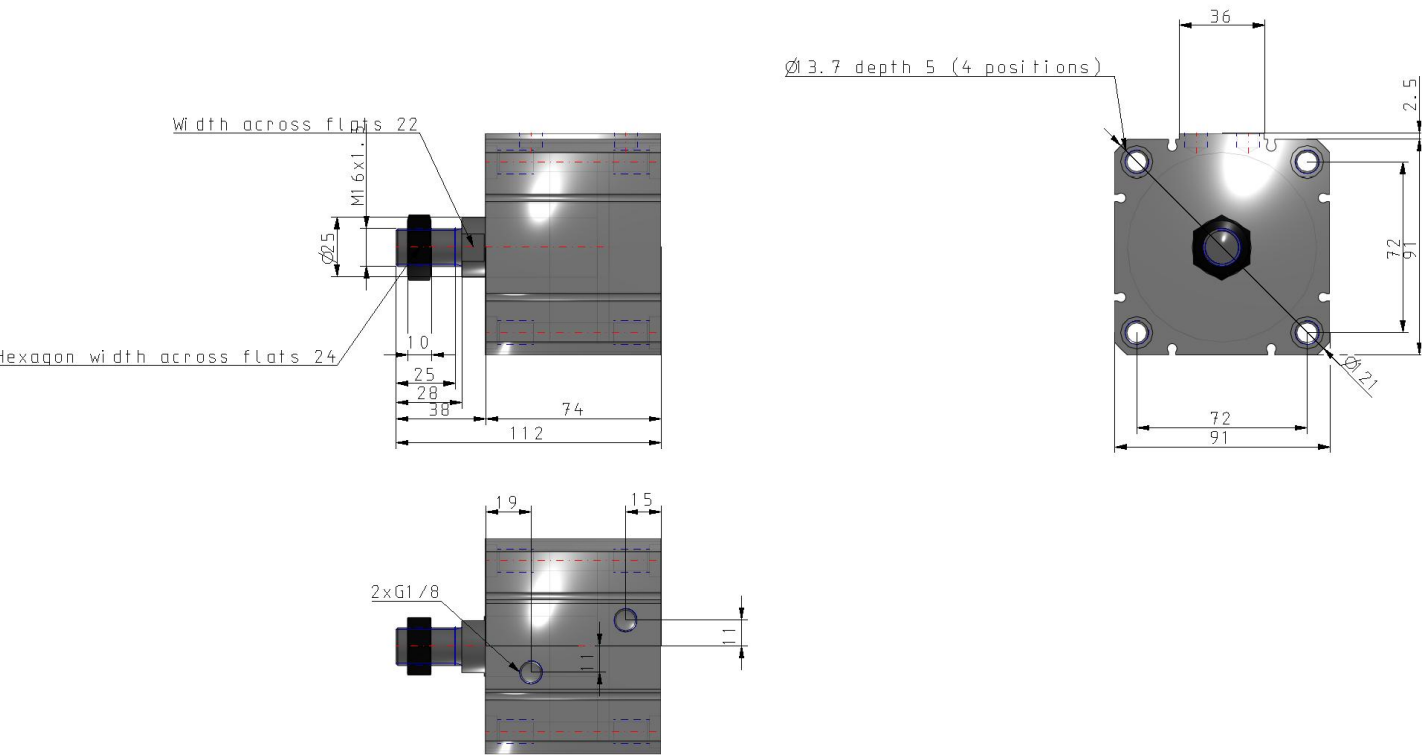
Double-acting, single-rod cylinder

Standard specifications

Built-in Magnet	D (With Magnet)
Mounting Style	B (Standard)
Bore Size	80 mm
Stroke	20
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)	2520 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	2270 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	1.382 Kg

Dimensions



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

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.pdf](#)