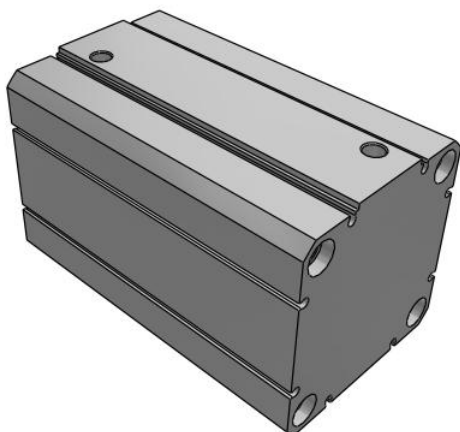


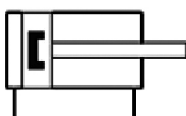


## C(D)55, Compact Cylinder ISO Standard (ISO 21287) CD55B80-100M

### Datasheet

### General series information

- 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.



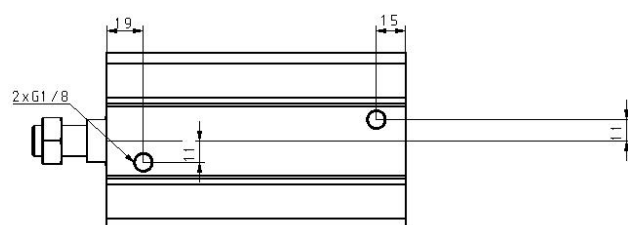
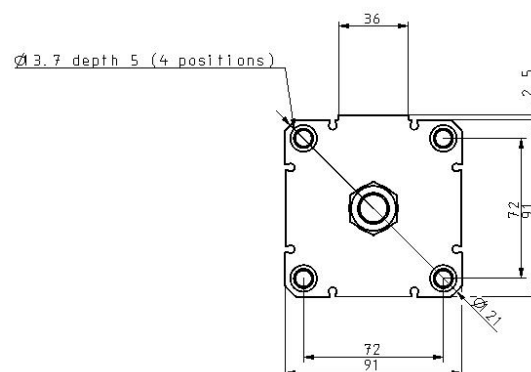
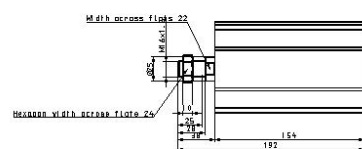
Double-acting, single-rod cylinder

### Standard specifications

|                                                    |                                           |
|----------------------------------------------------|-------------------------------------------|
| Built-in Magnet                                    | D (With Magnet)                           |
| Mounting Style                                     | B (Standard)                              |
| Bore Size                                          | 80mm                                      |
| Stroke                                             | 100                                       |
| 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                                       |
| Maximum temperature of pressure medium             | 70 °C                                     |
| Maximum temperature of pressure medium with magnet | 60 °C                                     |
| Minimum temperature of pressure medium             | -10 °C (No freezing)                      |
| Minimum temperature of pressure medium with magnet | -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                     |
| Maximum ambient temperature with magnet                 | 60 °C                     |
| Minimum ambient temperature                             | -10 °C (No freezing)      |
| Minimum ambient temperature with magnet                 | -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                 |
| Female thread of rod end                                | M12 x 1.75                |
| Weight                                                  | 2.315 Kg                  |

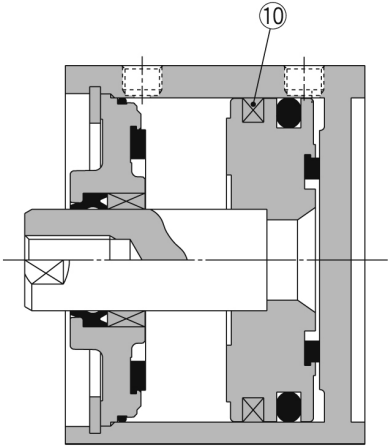
## Dimensions



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         | <a href="#">C55-B_EU.pdf</a>        |
| Operation manuals | <a href="#">c55_c55-om00031.pdf</a> |