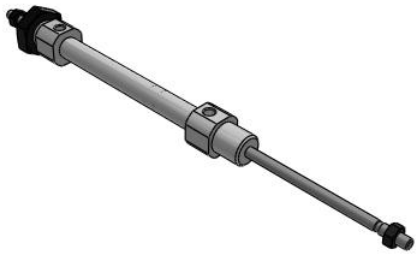


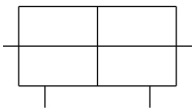
# C(D)85W, ISO Cylinder, Double Acting, Double Rod

## C85WE8-50

Datasheet

## General series information

- ISO cylinder, double acting, double rod
- Fluid: air
- Bore sizes (mm): 8, 10, 12, 16, 20, 25
- Strokes (mm): up to 300 (depending on bore)
- Auto switches available (order separate)



*Double-acting cylinder with double piston rod*

## Standard specifications

| | |
|---|---|
| Magnet | None |
| Bore Size | Ø8 mm |
| Stroke | 50 |
| Cushion | Rubber Cushion |
| Rod Boot | Standard |
| Switch Mounting | No Switch |
| 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 |
| Temperature Resistance | None |
| Made of Stainless Steel | None |
| Long Stroke | None |
| Pressure medium | Compressed Air |
| Maximum temperature of pressure medium | 80°C |
| Minimum temperature of pressure medium | -20°C |
| Maximum operating pressure | 1 MPa |
| Minimum operating pressure | 0.1 MPa |

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



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| | |
|---|---|
| Proof pressure | 1.5 MPa |
| Maximum ambient temperature | 80°C |
| Minimum ambient temperature | -20°C |
| Number of pneumatic connections | 2 pcs. |
| Pneumatic input connection | M5 |
| Mode of operation of drive | Double acting |
| Maximum piston speed | 1500 mm/s |
| Type of cushioning | Rubber bumper |
| Type of Stroke end | Double rod |
| Piston rod end | External thread |
| Male thread of rod end | M4 |

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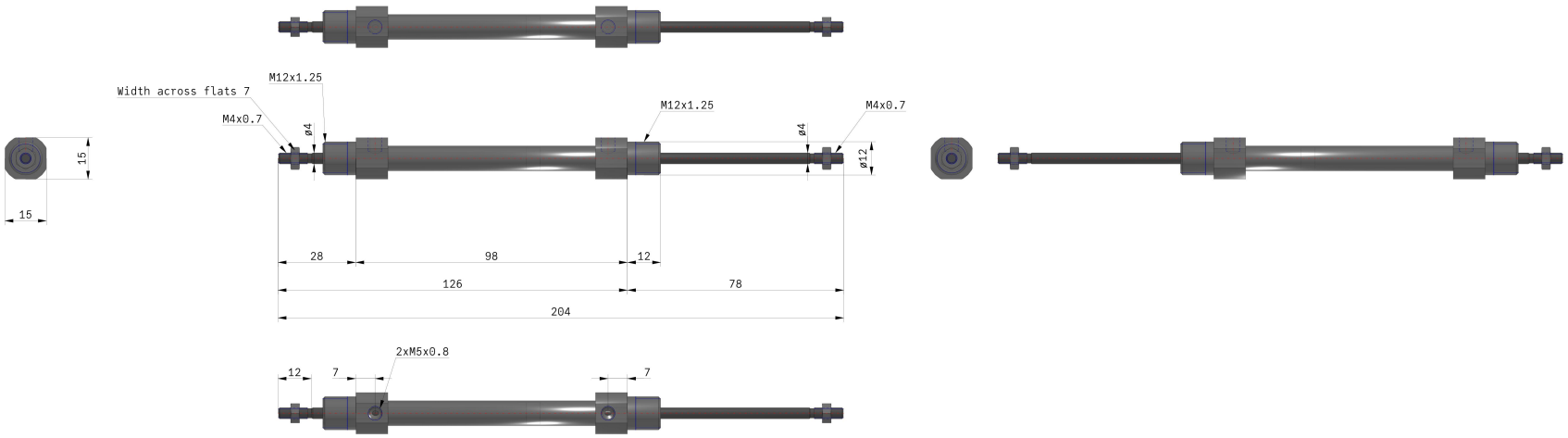
# Dimensions

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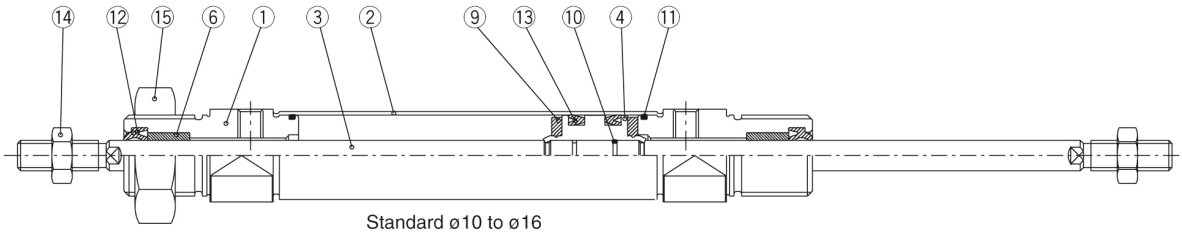
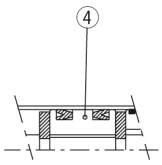
# Constructions

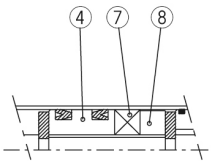
### Double acting: Double rod
### C□85WE 8 to 16 Rubber bumper (Disassembly is not possible)



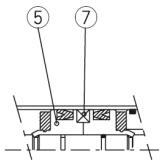

Standard ø10 to ø16




Standard ø8




Built-in magnet ø8




Built-in magnet ø10 to ø16

### Component Parts

| No. | Description | Material | Quantity | Remarks |
|---|---|---|---|---|
| ① | Rod cover | Aluminum alloy | 2 | White anodized |
| ② | Cylinder tube | Stainless steel | 1 | |
| ③ | Piston rod | Stainless steel | 1 | 2 for ø8 |
| ④ | Piston A | Brass | 1 | |
| ⑤ | Piston B | Brass | 2 | (Switch style piston) |
| ⑥ | Bushing | Sintered bronze | 2 | |
| ⑦ | Magnet | | 1 | (Switch style only) |
| ⑧ | Spacer | Brass | 1 | |

| No. | Description | Material | Quantity | Remarks |
|---|---|---|---|---|
| ⑨ | Bumper | Urethane | 2 | |
| ⑩ | Piston gasket | NBR | 1 | 2 for switch style |
| ⑪ | Tube gasket | NBR | 2 | |
| ⑫ | Rod seal | NBR | 2 | |
| ⑬ | Piston seal | NBR | 2 | |
| ⑭ | Rod end nut | Carbon steel | 2 | Nickel plated |
| ⑮ | Mounting nut | Carbon steel | 1 | Nickel plated |

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## Additional information

| | |
|---|---|
| Catalogue | VDMA-C85_EU.pdf |

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