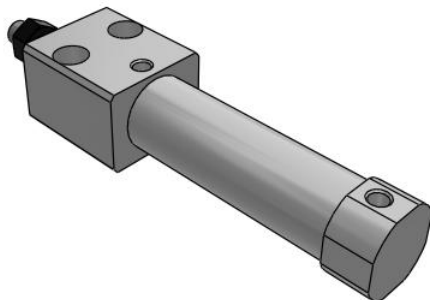




## C(D)85R, ISO Cylinder, Double Acting, Single Rod, Direct Mount C85RAF16-25

### Datasheet

### General series information

- ISO cylinder, double acting, single rod
- Bore sizes (mm): 8, 10, 12, 16, 20, 25
- Type: direct mount
- Cushion: rubber bumper only
- Strokes (mm): up to 160 (depending on bore)
- Auto switches available (order separate)



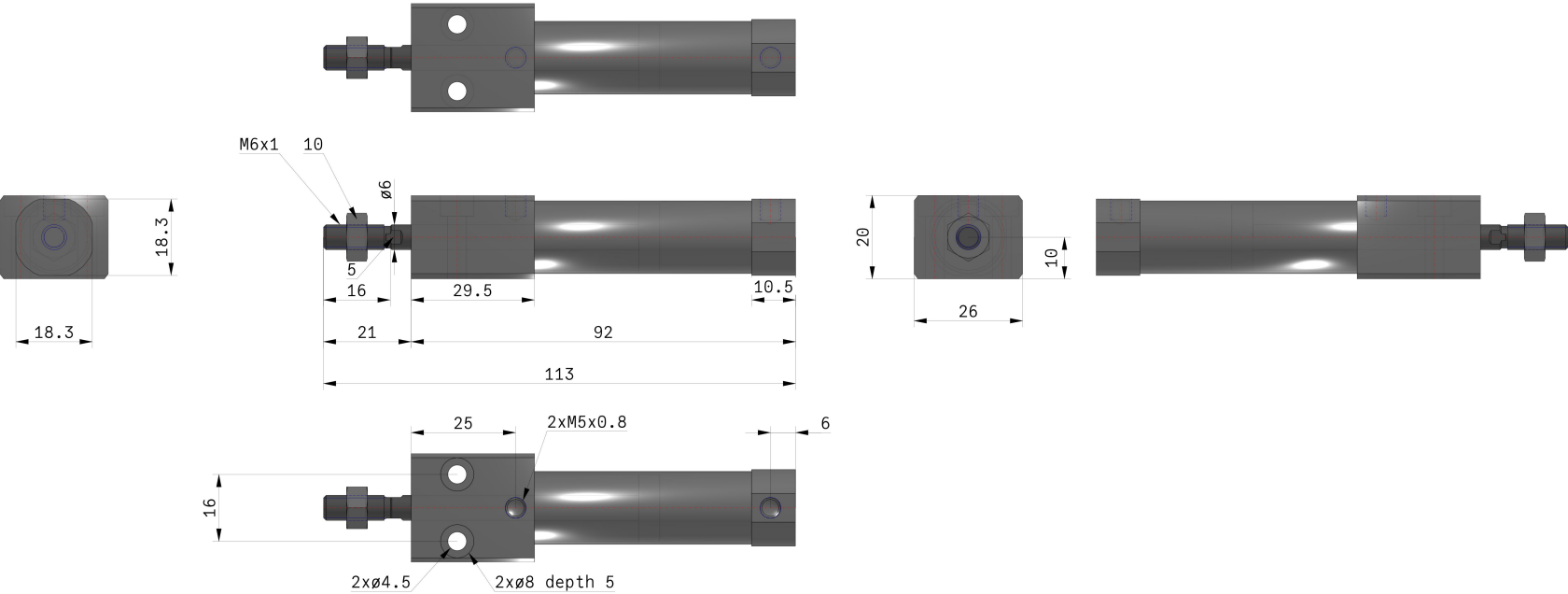
Double-acting cylinder, non-rotating single piston rod

### Standard specifications

|                                        |                                           |
|----------------------------------------|-------------------------------------------|
| Magnet                                 | None                                      |
| Type                                   | A (Bottom)                                |
| Mounting                               | F (Boss Cut)                              |
| Bore Size                              | Ø16 mm                                    |
| Stroke                                 | 25                                        |
| Switch Mounting                        | None                                      |
| 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                                      |
| Low Speed                              | 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                                    |

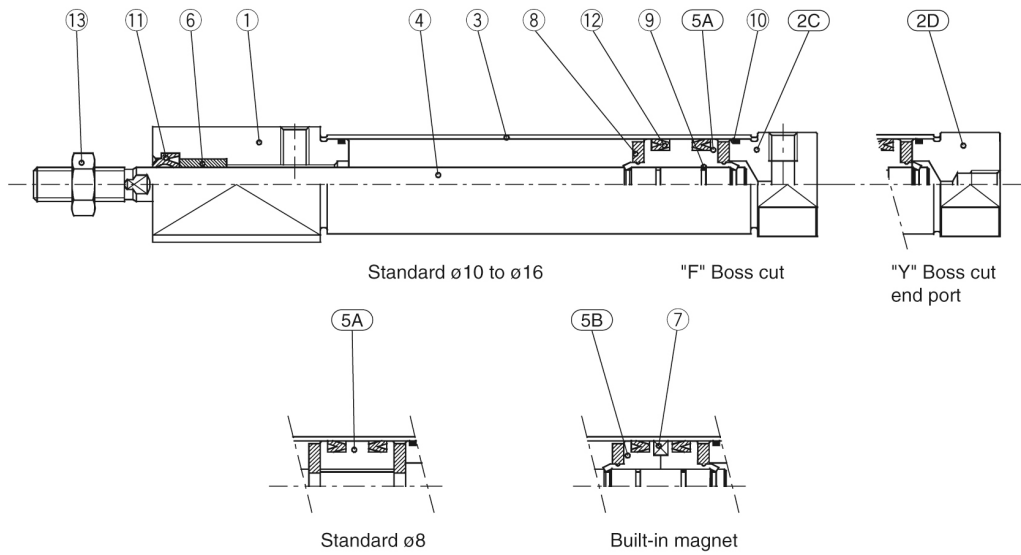
|                                                         |                 |
|---------------------------------------------------------|-----------------|
| Maximum operating pressure                              | 1 MPa           |
| Minimum operating pressure                              | 0.05 MPa        |
| 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              |
| Pneumatic output connection                             | M5              |
| Mode of operation of drive                              | Double acting   |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 100.6 N         |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 86.4 N          |
| Maximum piston speed                                    | 1500 mm/s       |
| Type of cushioning                                      | Rubber bumper   |
| Piston rod end                                          | External thread |
| Geometric form of the piston rod                        | Single rod      |
| Male thread of rod end                                  | M6              |
| Weight                                                  | 0.108 Kg        |

Dimensions



Constructions

Double acting: Single rod  
C□85RA8 to 16 (Disassembly is not possible)



Component Parts

| No. | Description   | Material        | Quantity | Remarks               |
|-----|---------------|-----------------|----------|-----------------------|
| ①   | Rod cover     | Aluminum alloy  | 1        | White anodized        |
| ②C  | Head cover F  | Aluminum alloy  | 1        | White anodized        |
| ②D  | Head cover Y  | Aluminum alloy  | 1        | White anodized        |
| ③   | Cylinder tube | Stainless steel | 1        |                       |
| ④   | Piston rod    | Stainless steel | 1        |                       |
| ⑤A  | Piston "A"    | Brass           | 1        |                       |
| ⑤B  | Piston "B"    | Brass           | 2        | (Switch style piston) |

| No. | Description   | Material        | Quantity | Remarks              |
|-----|---------------|-----------------|----------|----------------------|
| ⑥   | Bushing       | Sintered bronze | 1        |                      |
| ⑦   | Magnet        |                 | 1        | (Switch style only)  |
| ⑧   | Bumper        | Urethane        | 2        |                      |
| ⑨   | Piston gasket | NBR             | 1        | (2 for switch style) |
| ⑩   | Tube gasket   | NBR             | 2        |                      |
| ⑪   | Rod seal      | NBR             | 1        |                      |
| ⑫   | Piston seal   | NBR             | 2        |                      |

## Additional information

Catalogue

[VDMA-C85\\_EU.pdf](#)