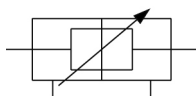


## C(D)85W, ISO Cylinder, Double Acting, Double Rod CD85WE16-80C-B

### 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)



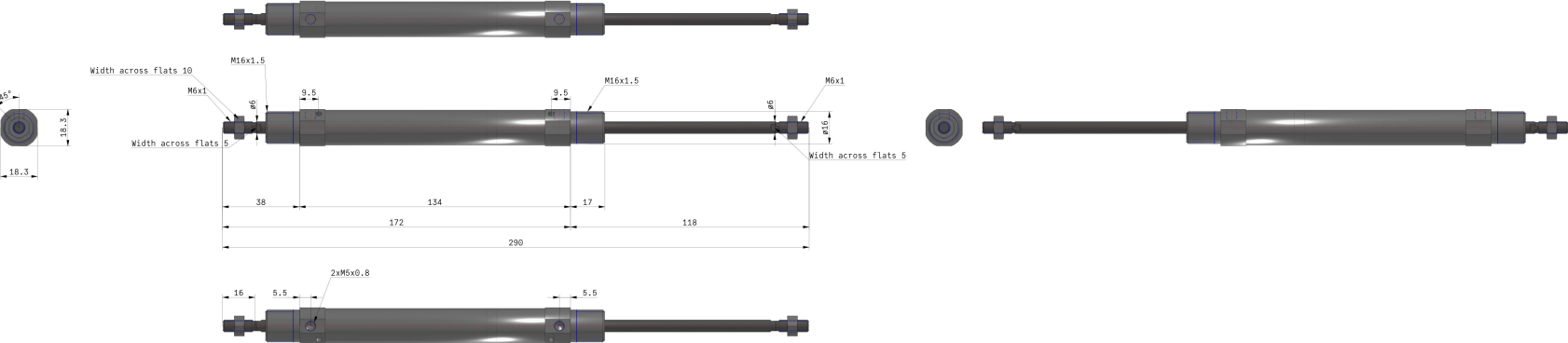
*Double-acting cylinder with cushioning  
adjustable at both ends, double piston rod*

### Standard specifications

|                                                    |                                           |
|----------------------------------------------------|-------------------------------------------|
| Magnet                                             | D (Built-in)                              |
| Bore Size                                          | Ø16 mm                                    |
| Stroke                                             | 80                                        |
| Cushion                                            | C (Air Cushion)                           |
| Rod Boot                                           | Standard                                  |
| Switch Mounting                                    | B (Band)                                  |
| 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 with magnet | 80°C                                      |
| Minimum temperature of pressure medium with magnet | -20°C                                     |
| Maximum operating pressure                         | 1 MPa                                     |
| Minimum operating pressure                         | 0.05 MPa                                  |

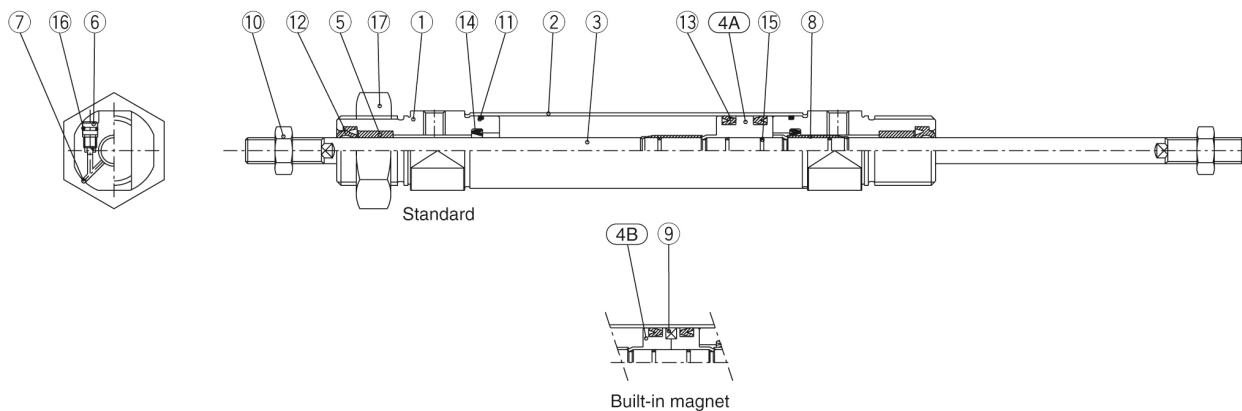
|                                         |                 |
|-----------------------------------------|-----------------|
| Proof pressure                          | 1.5 MPa         |
| Maximum ambient temperature with magnet | 80°C            |
| Minimum ambient temperature with magnet | -20°C           |
| 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                      | Air cushion     |
| Type of Stroke end                      | Double rod      |
| Piston rod end                          | External thread |
| Male thread of rod end                  | M6              |
| Weight                                  | 0.167 Kg        |

Dimensions



## Constructions

### Double acting: Double rod C□85WE 10 to 16 Air cushion (Disassembly is not possible)



#### 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        |                       |
| ④A  | Piston A       | Brass           | 1        |                       |
| ④B  | Piston B       | Brass           | 2        | (Switch style piston) |
| ⑤   | Bushing        | Sintered bronze | 2        |                       |
| ⑥   | Cushion needle | Stainless steel | 2        |                       |
| ⑦   | Steel ball     | Bearing steel   | 2        |                       |
| ⑧   | Cushion ring   | Brass           | 2        |                       |

| No. | Description                         | Material     | Quantity | Remarks       |
|-----|-------------------------------------|--------------|----------|---------------|
| ⑨   | Magnet                              |              | 1        |               |
| ⑩   | Rod end nut                         | Carbon steel | 2        | Nickel plated |
| ⑪   | Tube gasket                         | NBR          | 2        |               |
| ⑫   | Rod seal                            | NBR          | 2        |               |
| ⑬   | Piston seal                         | NBR          | 2        |               |
| ⑭   | Check seal                          | NBR          | 2        |               |
| ⑮   | Piston gasket & cushion ring gasket | NBR          | 3        |               |
| ⑯   | Needle seal                         | NBR          | 2        |               |
| ⑰   | Mounting nut                        | Carbon steel | 1        | Nickel plated |

## Additional information

Catalogue

[C85\\_C75-A\\_EU.pdf](#)