

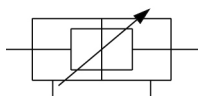


## C(D)85W, ISO Cylinder, Double Acting, Double Rod CD85WE25-160C-B

### 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)

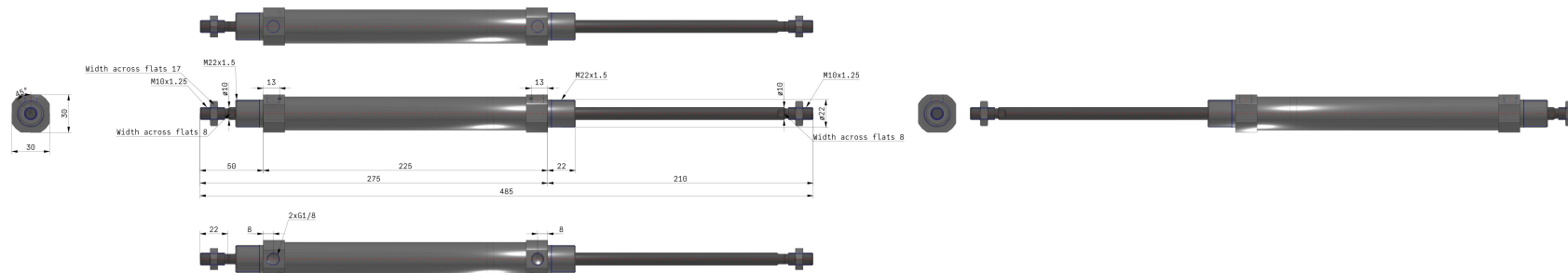


*Double-acting cylinder with cushioning  
adjustable at both ends, double piston rod*

### Standard specifications

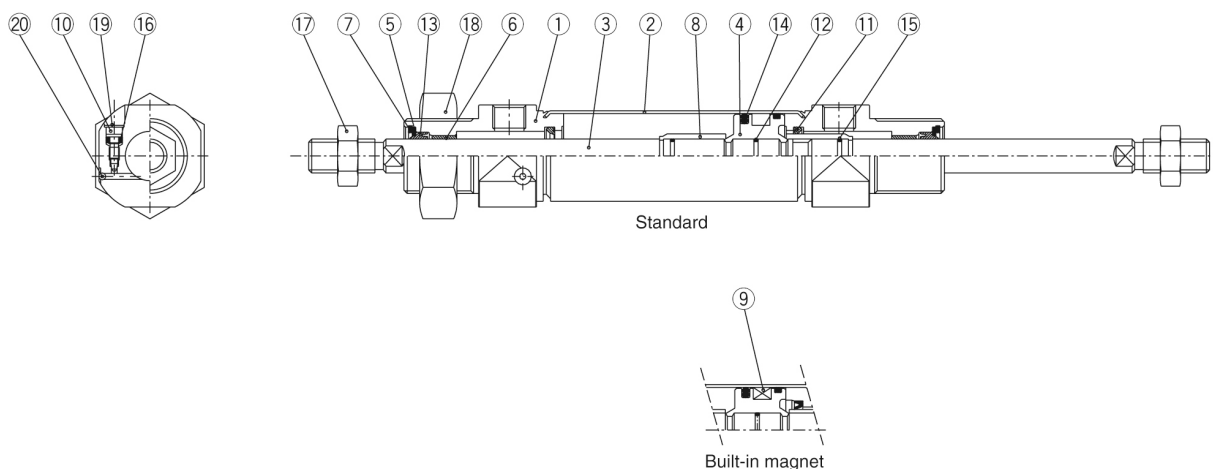
|                                                    |                                          |
|----------------------------------------------------|------------------------------------------|
| Magnet                                             | D (Built-in)                             |
| Bore Size                                          | Ø25 mm                                   |
| Stroke                                             | 160                                      |
| Cushion                                            | C (Air Cushion)                          |
| Rod Boot                                           | Standard                                 |
| Switch Mounting                                    | B (Band)                                 |
| Auto Switch                                        | No Switch                                |
| Lead Wire or Pre-wired Connector                   | 0.5 m (Or None in the Case of No Switch) |
| Number                                             | 2 pcs. (Or None in 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              | G 1/8           |
| 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                  | M10 x 1.25      |



## Constructions

### C□85WE 20, 25 Air cushion



#### Component Parts

| No. | Description    | Material        | Quantity | Remarks            |
|-----|----------------|-----------------|----------|--------------------|
| ①   | Rod cover      | Aluminum alloy  | 2        | White anodized     |
| ②   | Cylinder tube  | Stainless steel | 1        |                    |
| ③   | Piston rod     | Carbon steel    | 1        | Hard chrome plated |
| ④   | Piston         | Aluminum alloy  | 1        | Chromated          |
| ⑤   | Plain washer   | Carbon steel    | 2        | Nickel plated      |
| ⑥   | Bushing        | Sintered bronze | 2        |                    |
| ⑦   | Retaining ring | Carbon steel    | 2        | Nickel plated      |
| ⑧   | Cushion ring   | Copper alloy    | 2        | Hard chrome plated |
| ⑨   | Magnet         |                 |          |                    |
| ⑩   | Cushion valve  | Carbon steel    | 2        | Nickel plated      |

| No. | Description           | Material        | Quantity | Remarks       |
|-----|-----------------------|-----------------|----------|---------------|
| ⑪   | Cushion seal          | Urethane        | 2        |               |
| ⑫   | Piston gasket         | NBR             | 1        |               |
| ⑬   | Rod seal              | NBR             | 2        |               |
| ⑭   | Piston seal           | NBR             | 1        |               |
| ⑮   | Cushion ring gasket   | NBR             | 2        |               |
| ⑯   | Cushion valve packing | NBR             | 2        |               |
| ⑰   | Rod end nut           | Carbon steel    | 2        | Nickel plated |
| ⑱   | Mounting nut          | Carbon steel    | 1        | Nickel plated |
| ⑲   | Self locking ring     | Stainless steel | 2        |               |
| ⑳   | Steel ball            | Stainless steel | 2        |               |

## Additional information

Catalogue

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