

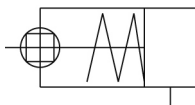


## C(D)85-S/T, ISO Cylinder, Single Acting, Single Rod CD85N20-100T-B

### Datasheet

### General series information

- Single acting, single rod, spring return/spring extend
- Conforms to ISO standard 6432
- Bore sizes (mm): 8, 10, 12, 16, 20, 25
- Standard strokes up to 150mm
- Auto switch capable



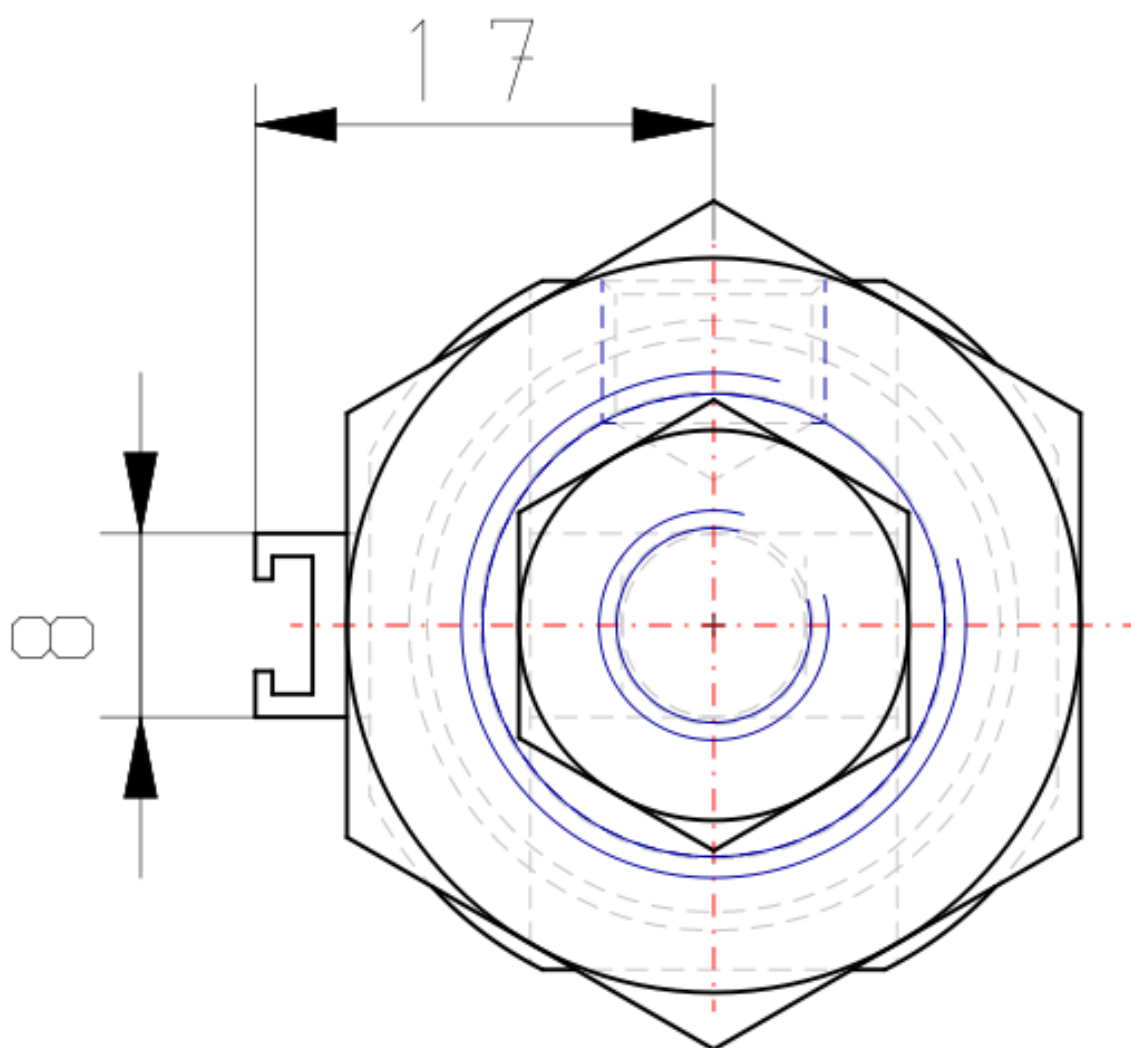
*Single-acting cylinder, non rotating single piston rod, return stroke by spring*

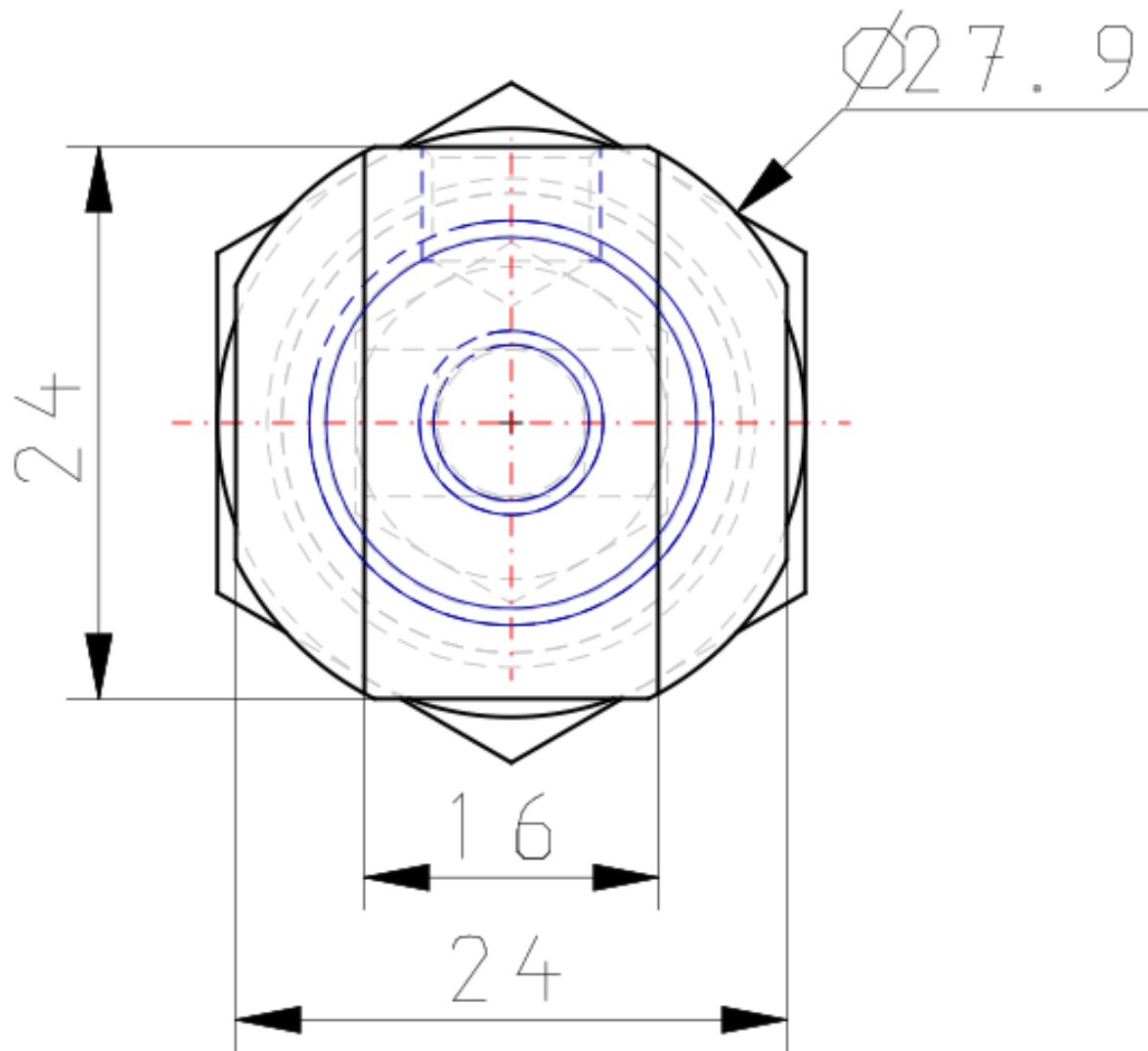
### Standard specifications

|                                                    |                                           |
|----------------------------------------------------|-------------------------------------------|
| Magnet                                             | D (Built-in)                              |
| Mounting                                           | N (Basic Integrated Clevis)               |
| Bore Size                                          | Ø20 mm                                    |
| Stroke                                             | 100                                       |
| Action                                             | T (Spring Extend)                         |
| 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                                      |
| Made of Stainless Steel                            | 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                         | 0.23 Mpa                                  |
| Proof pressure                                     | 1.5 MPa                                   |
| Maximum ambient temperature with magnet            | 80°C                                      |

|                                         |                              |
|-----------------------------------------|------------------------------|
| Minimum ambient temperature with magnet | -20°C                        |
| Number of pneumatic connections         | 1 pc.                        |
| Pneumatic input connection              | G 1/8                        |
| Pneumatic output connection             | G 1/8                        |
| Mode of operation of drive single       | Single acting, spring extend |
| 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                  | M8                           |
| Weight                                  | 0.290 Kg                     |

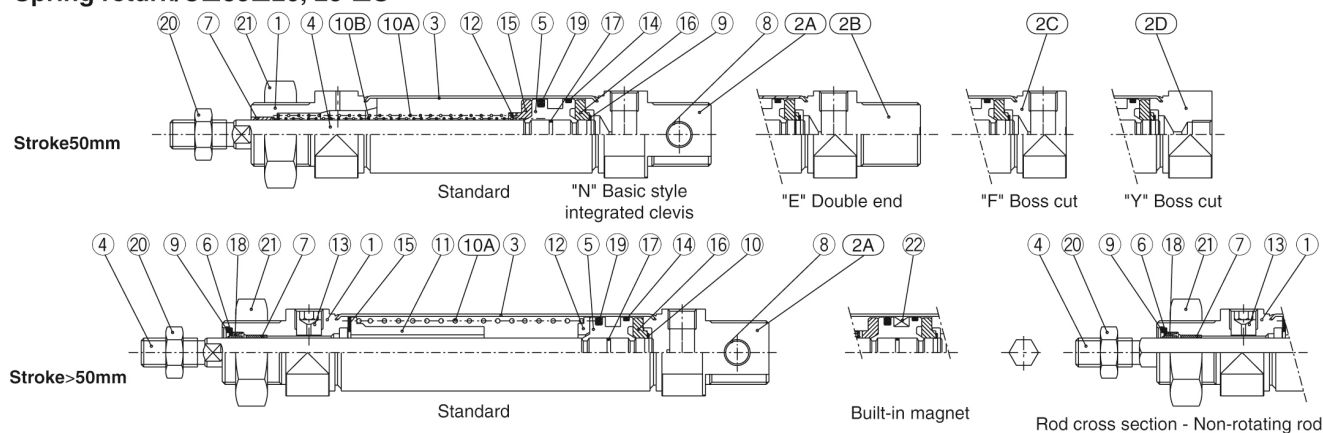
## Dimensions





## Constructions

### Single acting: Single rod Spring return/C□85□20, 25-□S



#### Component Parts

| No. | Description     | Material        | Quantity | Remarks            |
|-----|-----------------|-----------------|----------|--------------------|
| ①   | Rod cover       | Aluminum alloy  | 1        | White anodized     |
| ②A  | Head cover N    | Aluminum alloy  | 1        | White anodized     |
| ②B  | Head cover E    | 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      | Carbon steel*   | 1        | Hard chrome plated |
| ⑤   | Piston          | Aluminum alloy  | 1        | Chromated          |
| ⑥   | Plain washer    | Carbon steel    | 1        | Nickel plated      |
| ⑦   | Bushing         | Sintered bronze | 1        |                    |
| ⑧   | Bushing         | Sintered bronze | 1        |                    |
| ⑨   | Retaining ring  | Carbon steel    | 1        | Nickel plated      |
| ⑩A  | Return spring A | Piano wire      | 1        | Zinc chromated     |

\* Stainless steel (Non-rotating rod)

| No. | Description     | Material       | Quantity | Remarks             |
|-----|-----------------|----------------|----------|---------------------|
| ⑩B  | Return spring B | Piano wire     | 1        | Zinc chromated      |
| ⑪   | Spring guide    | Aluminum alloy | 1        |                     |
| ⑫   | Spring holder   | Aluminum alloy | 1        |                     |
| ⑬   | Set screw       | Carbon steel   | 1        |                     |
| ⑭   | Wear ring       | Phenolic resin | 1        |                     |
| ⑮   | Bumper A        | Urethane       | 1        |                     |
| ⑯   | Bumper B        | Urethane       | 1        |                     |
| ⑰   | Piston gasket   | NBR            | 1        |                     |
| ⑱   | Rod seal        | NBR            | 1        |                     |
| ⑲   | Piston seal     | NBR            | 1        |                     |
| ⑳   | Rod end nut     | Carbon steel   | 1        | Nickel plated       |
| ㉑   | Mounting nut    | Carbon steel   | 1        | Nickel plated       |
| ㉒   | Magnet          |                | 1        | (Switch style only) |

## Additional information

Catalogue

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