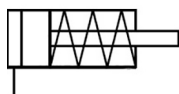


## C(D)85-S/T, ISO Cylinder, Single Acting, Single Rod CD85N8-10S-B

### 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



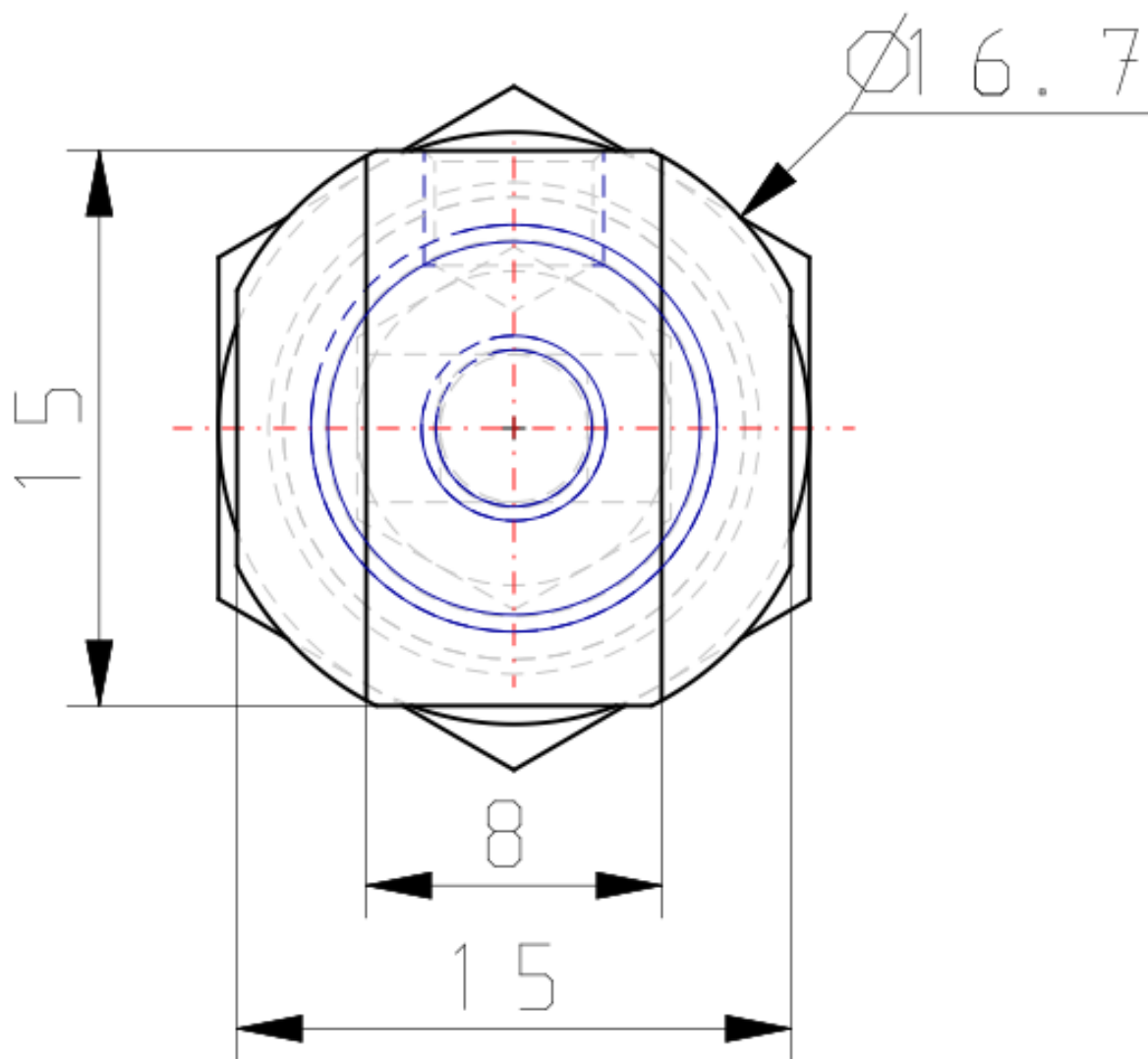
Single-acting cylinder, single piston rod, return stroke by spring

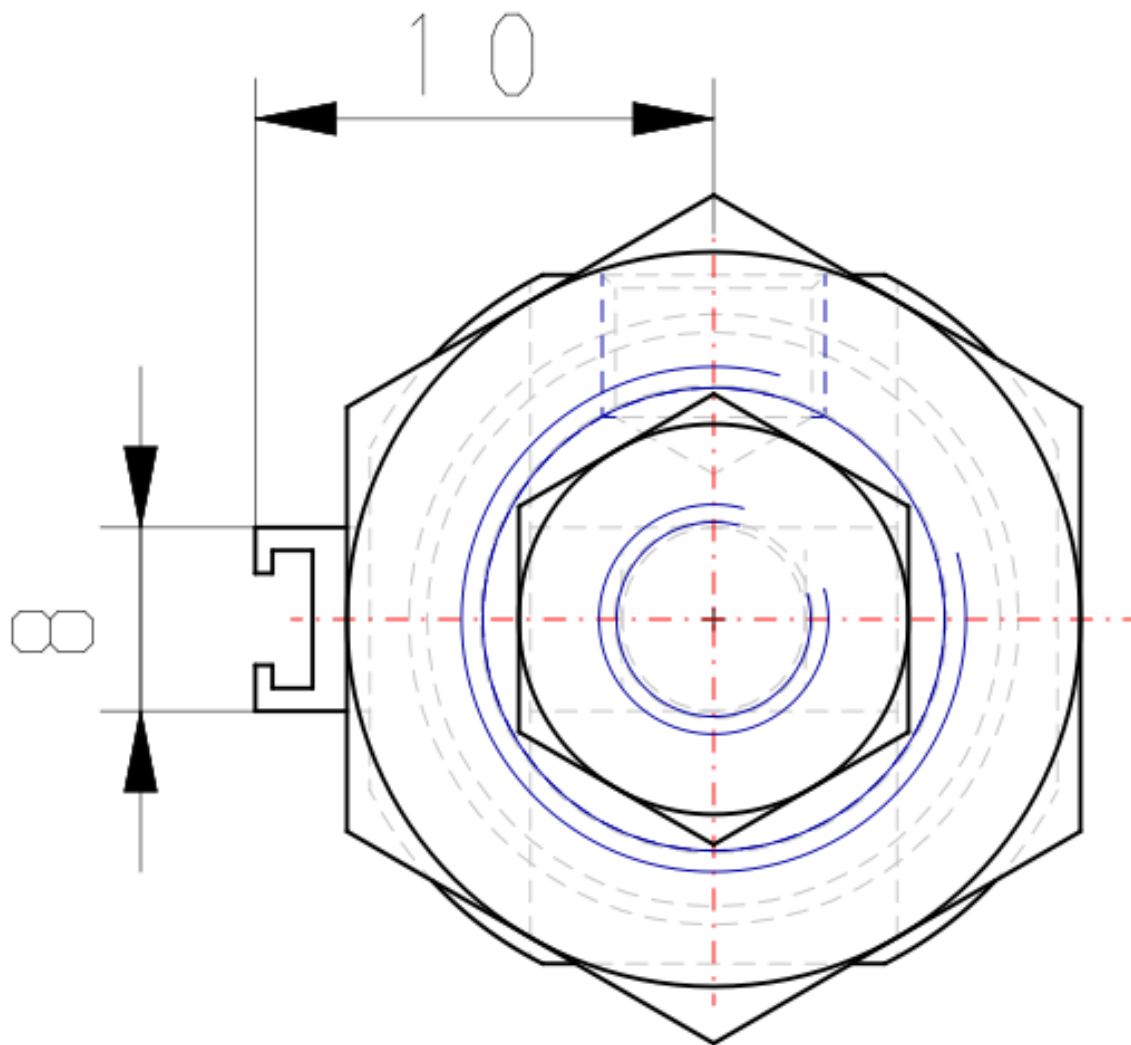
### Standard specifications

|                                                    |                                           |
|----------------------------------------------------|-------------------------------------------|
| Magnet                                             | D (Built-in)                              |
| Mounting                                           | N (Basic Integrated Clevis)               |
| Bore Size                                          | Ø8 mm                                     |
| Stroke                                             | 10                                        |
| Action                                             | S (Spring Return)                         |
| 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                         | 0.22 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              | M5                           |
| Pneumatic output connection             | M5                           |
| Mode of operation of drive single       | Single acting, spring return |
| 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                  | M4                           |
| Weight                                  | 0.041 Kg                     |

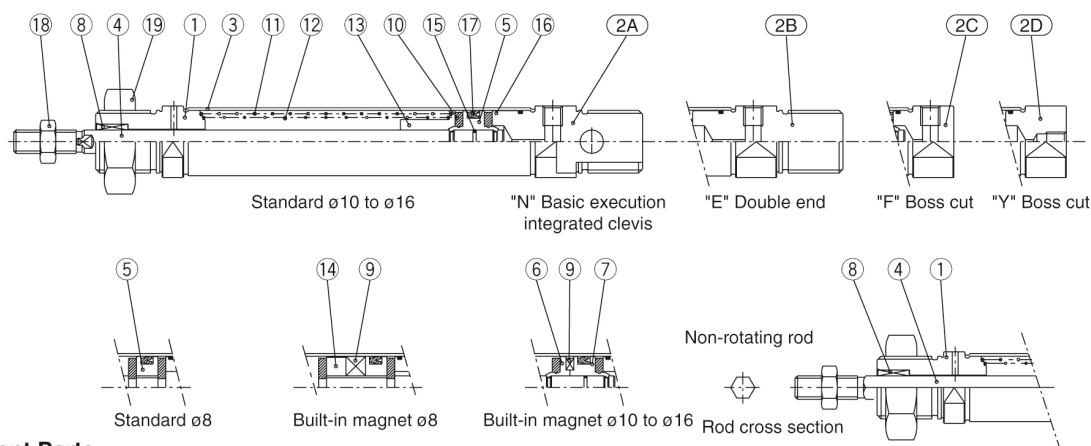
## Dimensions





## Constructions

### Single acting: Single rod Spring return/C□85□8 to 16-□S (Disassembly is not possible)



#### 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    | Stainless steel | 1        |                     |
| ⑤   | Piston        | Brass           | 1        |                     |
| ⑥   | Piston A      | Brass           | 1        | (Switch style only) |
| ⑦   | Piston B      | Brass           | 1        | (Switch style only) |
| ⑧   | Bushing       | Sintered bronze | 1        |                     |

| No. | Description     | Material     | Quantity | Remarks             |
|-----|-----------------|--------------|----------|---------------------|
| ⑨   | Magnet          |              | 1        | (Switch style only) |
| ⑩   | Bumper          | Urethane     | 2        |                     |
| ⑪   | Return spring A | Piano wire   | 1        |                     |
| ⑫   | Return spring B | Piano wire   | 1        |                     |
| ⑬   | Spring guide    | Brass        | 1        |                     |
| ⑭   | Spacer          | Brass        | 1        |                     |
| ⑮   | Piston gasket   | NBR          | 1        |                     |
| ⑯   | Tube gasket     | NBR          | 1        |                     |
| ⑰   | Piston seal     | NBR          | 1        |                     |
| ⑱   | Rod end nut     | Carbon steel | 1        | Nickel plated       |
| ⑲   | Mounting nut    | Carbon steel | 1        | Nickel plated       |

## Additional information

Catalogue

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