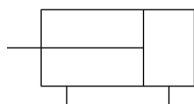


## C(D)85, ISO Standard Cylinder, Double Acting, Single Rod C85N20-30

### Datasheet

- Double acting, single rod, crimped cylinder
- Conforms to ISO 6432 and CETOP RP52P
- Bore sizes (mm): 8, 10, 12, 16, 20, 25
- Standard strokes up to 300mm
- Auto switch capable

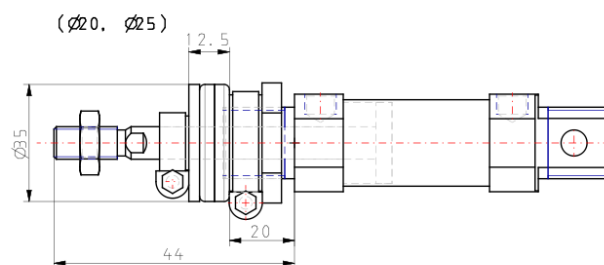
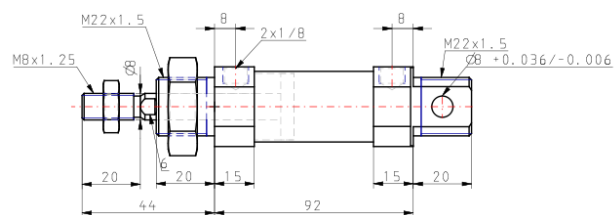
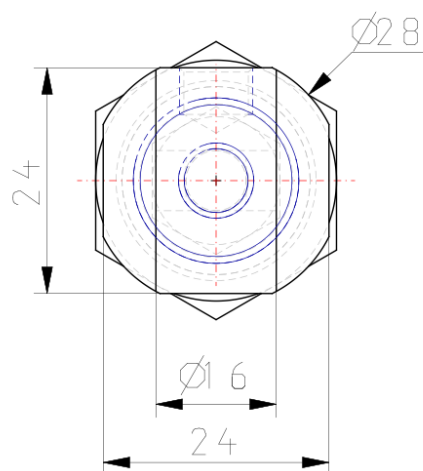
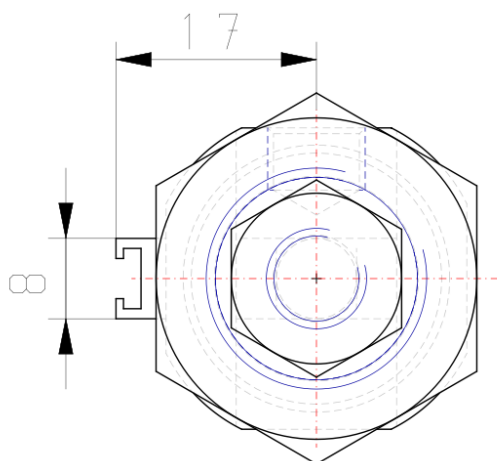


Double-acting, single-rod cylinder

### Standard specifications

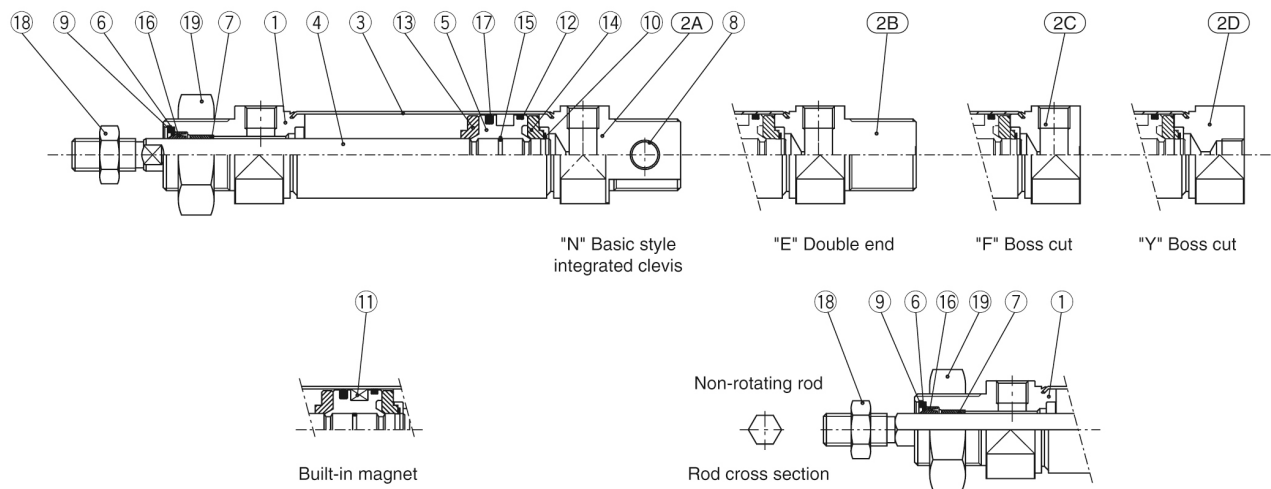
|                                        |                                           |
|----------------------------------------|-------------------------------------------|
| Magnet                                 | None                                      |
| Mounting                               | N (Basic Integrated Clevis)               |
| Bore Size                              | Ø20 mm                                    |
| Stroke                                 | 30                                        |
| Cushion                                | Rubber Cushion                            |
| Rod Boot                               | None                                      |
| Auto Switch Mounting Type              | 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                                      |
| 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          |
| Conform to the European RoHS Directive                  | Conform         |
| Number of pneumatic connections                         | 2 pcs.          |
| Pneumatic input connection                              | G 1/8           |
| Pneumatic output connection                             | G 1/8           |
| Mode of operation of drive                              | Double acting   |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 157.1 N         |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 132.0 N         |
| Maximum piston speed                                    | 1,500 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              |
| Minimum piston speed                                    | 50 mm/s         |
| Weight                                                  | 0.218 Kg        |



# Constructions

## C8520, 25 Rubber bumper



### 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 | 2        |                    |

\* Stainless steel (Non-rotating rod)

| No. | Description    | Material       | Quantity | Remarks             |
|-----|----------------|----------------|----------|---------------------|
| ⑨   | Retaining ring | Carbon steel   | 1        | Nickel plated       |
| ⑩   | Retaining ring | Carbon steel   | 2        |                     |
| ⑪   | Magnet         |                | 1        | (Switch style only) |
| ⑫   | Wear ring      | Phenolic resin | 1        |                     |
| ⑬   | Bumper A       | Urethane       | 1        |                     |
| ⑭   | Bumper B       | Urethane       | 1        |                     |
| ⑮   | Piston gasket  | NBR            | 1        |                     |
| ⑯   | Rod seal       | 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](#)