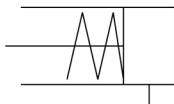


## C(D)85-S/T, ISO Cylinder, Single Acting, Single Rod C85N8-50S

### Datasheet

The C85 series conforms to ISO 6432 and CETOP RP52P. The C85 is available in bore sizes 8mm through 25mm with standard strokes ranging from 10mm through 300mm. A unique rod packing design prevents entry of dust and the effectiveness of the seal is such that the C85 is suitable for use in extremely dusty environments. With abrasion resistant packings and replaceable nose seals, the C85 offers exceptional service life.



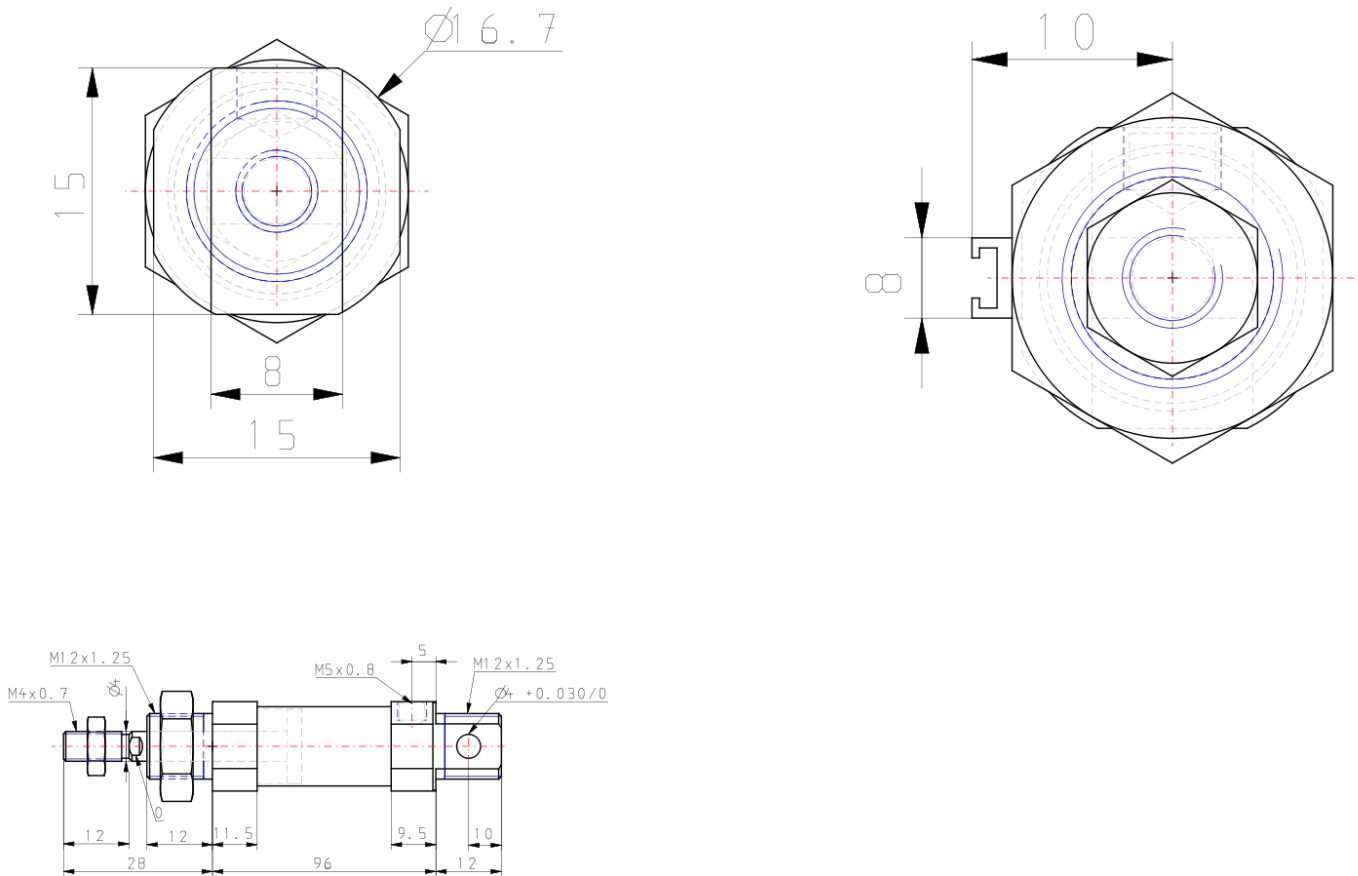
Single-acting cylinder, single piston rod, return stroke by spring

### Standard specifications

Magnet	None
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø8 mm
Stroke	50
Action	S (Spring Return)
Switch Mounting	None
Rod End Options	None
Made of Stainless Steel	None
Pressure medium	Compressed air
Maximum temperature of pressure medium	80 °C
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium	-20 °C [without condensation]
Minimum temperature of pressure medium with magnet	-10 °C [without condensation]
Maximum operating pressure	1 Mpa
Minimum operating pressure	0.22 Mpa
Proof pressure	1.5 MPa
Maximum ambient temperature	80 °C
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature	-20 °C
Minimum ambient temperature with magnet	-10 °C

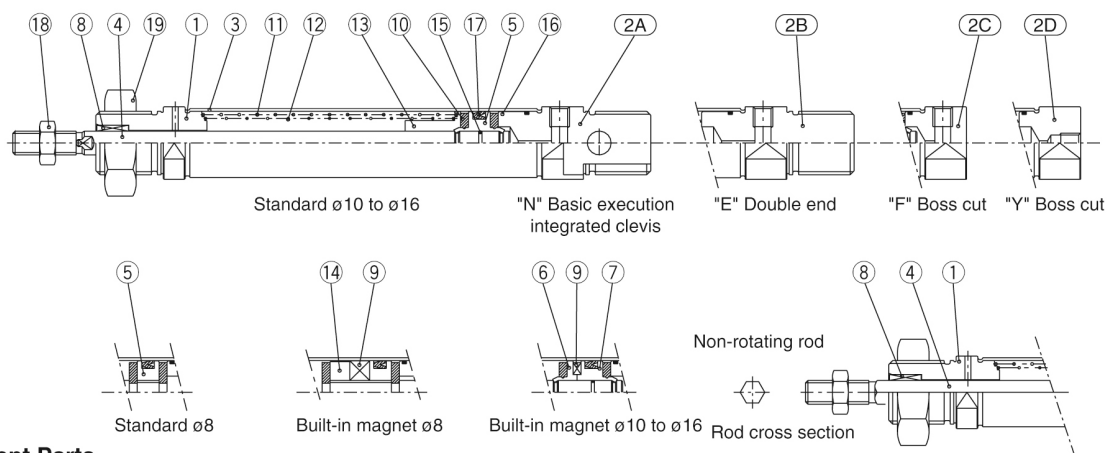
Conform to the European RoHS Directive	Conform
Numero of pneumatic connections	1 pc.
Pneumatic input connection	M5
Pneumatic output connection	M5
Mode of operation of drive single	Single acting, spring return
Maximum piston speed	1,500 mm/s
Type of cushioning	Rubber bumper
Piston rod end	External thread
Geometric form of the piston rod	Single rod
Male thread of rod end	M4
Minimum piston speed	50 mm/s

## 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](#)