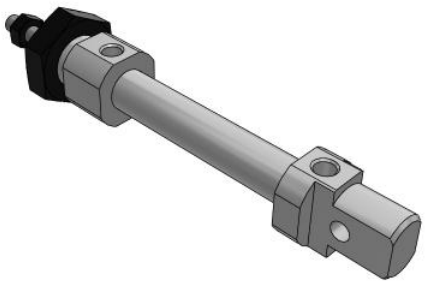
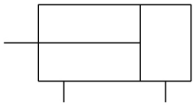


C(D)85, ISO Standard Cylinder, Double Acting, Single Rod

C85N8-20

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.



Double-acting, single-rod cylinder

Standard specifications

Magnet	None
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø8 mm
Stroke	20
Cushion	Rubber Cushion
Rod Boot	None
Auto Switch Mounting Type	None
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
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	0.1 MPa
Proof pressure	1.5 MPa

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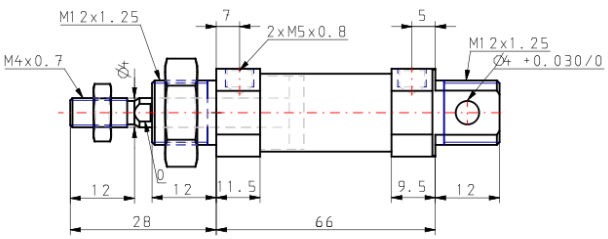
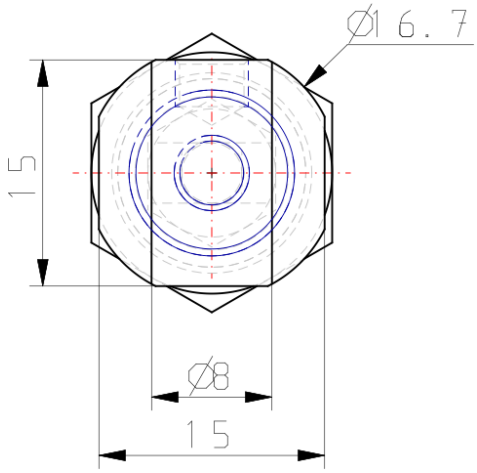
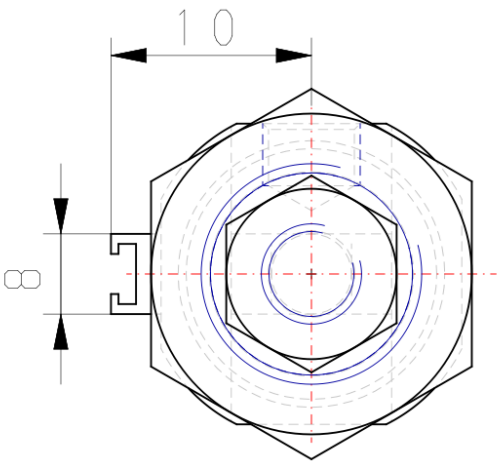
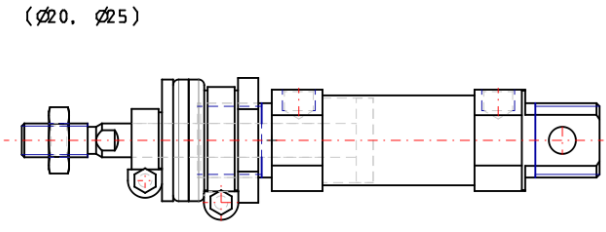
Maximum ambient temperature	80°C
Maximum ambient temperature with magnet	60°C
Minimum ambient temperature	-20°C
Minimum ambient temperature with magnet	-10°C
Conform to the European RoHS Directive	Conform
Numbero of pneumatic connections	2 pcs.
Pneumatic input connection	M5
Pneumatic output connection	M5
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	25.2 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	18.9 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	M4
Minimum piston speed	50 mm/s
Weight	0.051 Kg

Dimensions









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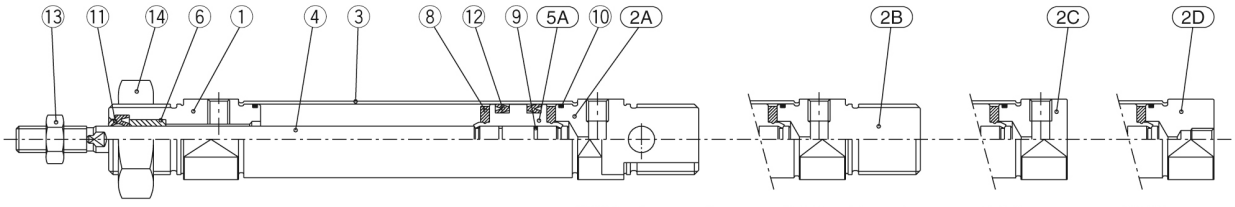
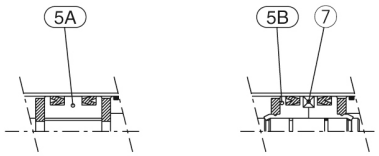
Constructions

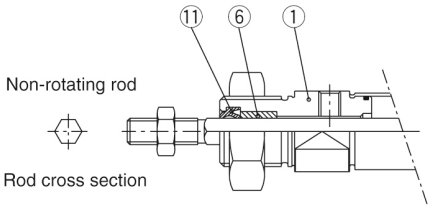
Double acting: Single rod
C□85□8 to16 Rubber bumper (Disassembly is not possible)



"N" Basic execution integrated clevis | "E" Double end | "F" Boss cut | "Y" Boss cut



Standard ø8 | Built-in magnet



Rod cross section

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	
5A	Piston A	Brass	1	
5B	Piston B	Brass	2	(Switch style piston)

No.	Description	Material	Quantity	Remarks
⑥	Bushing	Sintered bronze	1	
⑦	Magnet		1	(Switch style only)
⑧	Bumper	Urethane	2	
⑨	Piston gasket	NBR	1	(2 for switch style)
⑩	Tube gasket	NBR	2	
⑪	Rod seal	NBR	1	
⑫	Piston seal	NBR	2	
⑬	Rod end nut	Carbon steel	1	Nickel plated
⑭	Mounting nut	Carbon steel	1	Nickel plated

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Additional information

Catalogue	C85_C75-A_EU.pdf

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