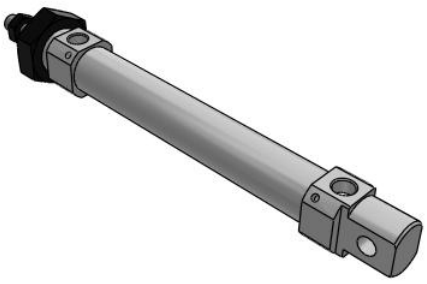
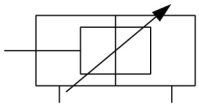


C(D)85, ISO Standard Cylinder, Double Acting, Single Rod

CD85N20-100C-B

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 cylinder with cushioning adjustable at both ends, single piston rod

Standard specifications

Magnet	D (Built-in)
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø20 mm
Stroke	100
Cushion	C (Air Cushion)
Rod Boot	None
Auto Switch Mounting Type	B (Band)
Rod End Options	None
Temperature Resistance	None
Low Speed	None
Stainless Steel	None
Long Stroke	None
-	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	0.05 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature with magnet	80 °C
Minimum ambient temperature with magnet	-20 °C

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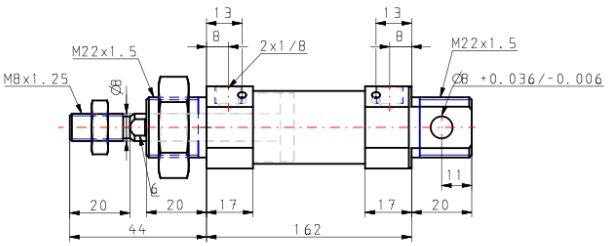
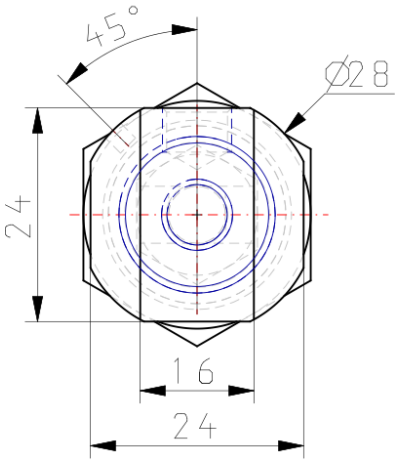
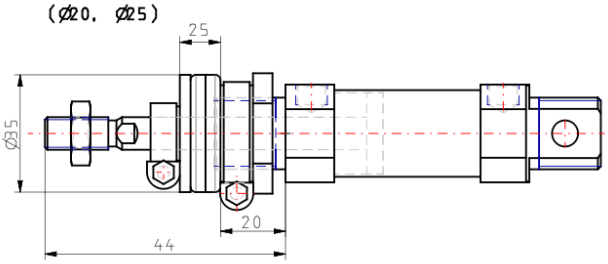
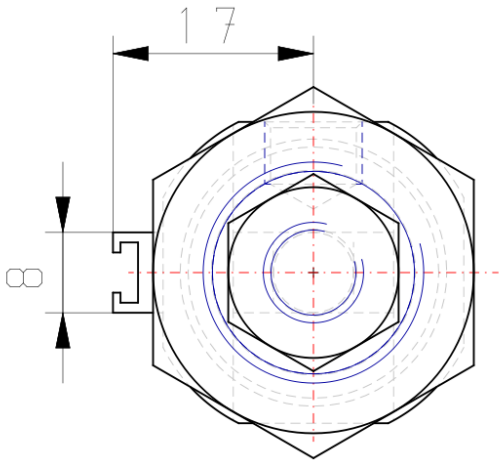
Pneumatic input connection	G 1/8
Pneumatic output connection	G 1/8
Theoretical cylinder force, advance stroke (at 0.5 MPa)	157.1 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	132.0 N
Maximum piston speed	1,500 mm/s
Type of cushioning	Air cushion
Piston rod end	External thread
Male thread of rod end	M8
Minimum piston speed	50 mm/s
Weight	0.326 Kg

Dimensions









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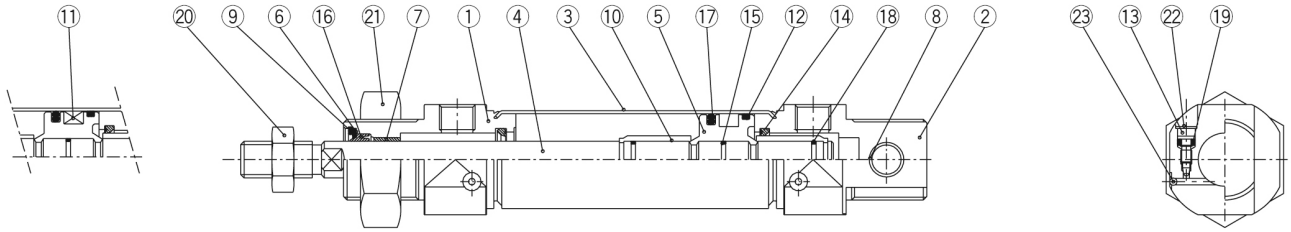
Constructions

C□85□20, 25 Air cushion



Built-in magnet | Standard | "N" integrated clevis

Component Parts

No.	Description	Material	Quantity	Remarks
①	Rod cover	Aluminum alloy	1	White anodized
②	Head cover N	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
⑩	Cushion ring	Copper alloy	2	Hard chrome plated
⑪	Magnet		1	
⑫	Wear ring	Phenolic resin	1	

No.	Description	Material	Quantity	Remarks
⑬	Cushion valve	Carbon steel	2	Nickel plated
⑭	Cushion seal	Urethane	2	
⑮	Piston gasket	NBR	1	
⑯	Rod seal	NBR	1	
⑰	Piston seal	NBR	1	
⑱	Cushion ring gasket	NBR	2	
⑲	Cushion valve packing	NBR	2	
⑳	Rod end nut	Carbon steel	1	Nickel plated
㉑	Mounting nut	Carbon steel	1	Nickel plated
㉒	Self locking ring	Stainless steel	2	
㉓	Steel ball	Stainless steel	2	

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Additional information

Catalogue	C85_C75-A_EU.pdf

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