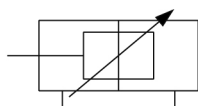


C(D)85, ISO Standard Cylinder, Double Acting, Single Rod CD85N20-80C-A

Datasheet

- ISO 6432 Round Body Cylinder.
- Bore sizes (mm): 8, 10, 12, 16, 20, 25.
- Standard strokes up to 300 mm.
- Cylinder variations: Non-rotating, direct mount, ATEX.



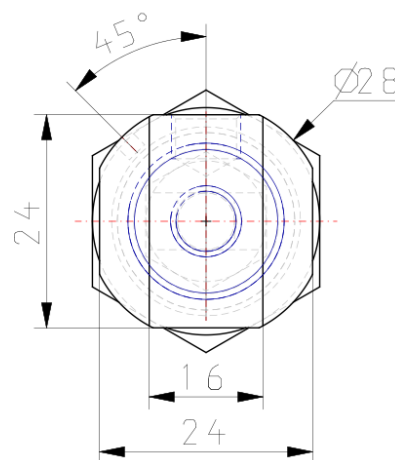
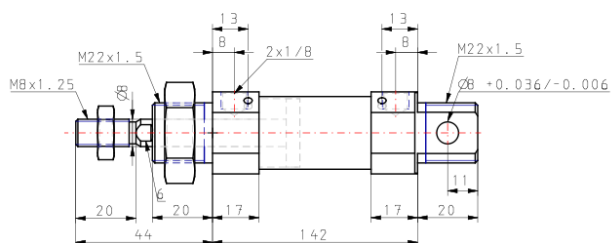
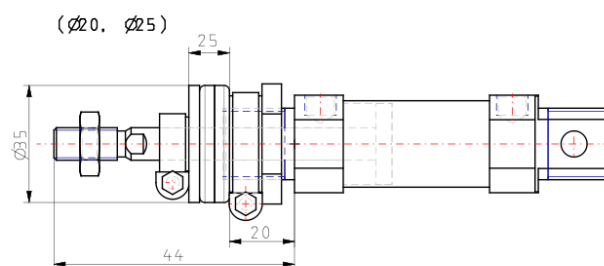
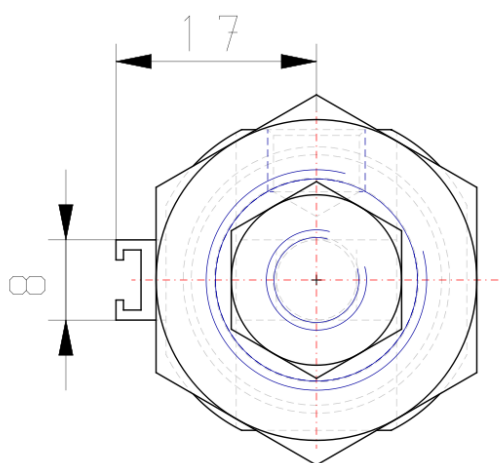
*Double-acting cylinder with cushioning
adjustable at both ends, single piston rod*

Standard specifications

Magnet	D (Built-in)
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø20 mm
Stroke	80
Cushion	C (Air Cushion)
Rod Boot	None
Auto Switch Mounting Type	A (Rail)
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 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

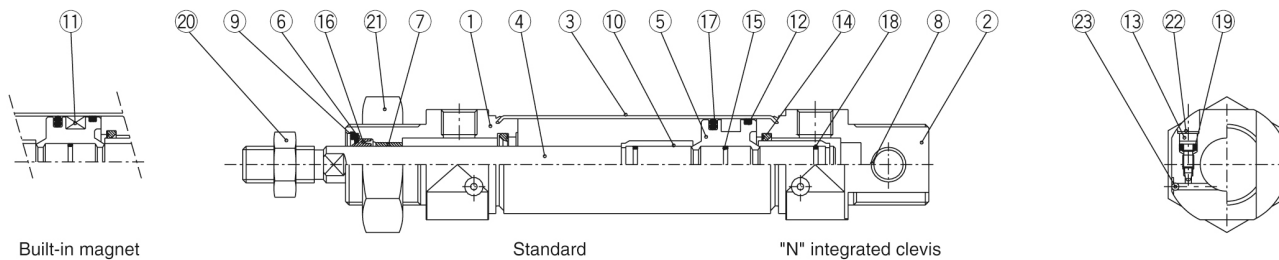
Conform to the European RoHS Directive	Conform
Numero of pneumatic connections	2 pcs.
Pneumatic input connection	G 1/8
Pneumatic output connection	G 1/8
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	157.1 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	132.0 N
Maximum piston speed	1,500 mm/s
Type of cushioning	Air cushion
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	0.301 Kg

Dimensions



Constructions

C□85□20, 25 Air cushion



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	

Additional information

Catalogue

[C85_C75-A_EU.pdf](#)