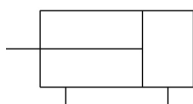


C(D)85, ISO Standard Cylinder, Double Acting, Single Rod C85N16-160

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.



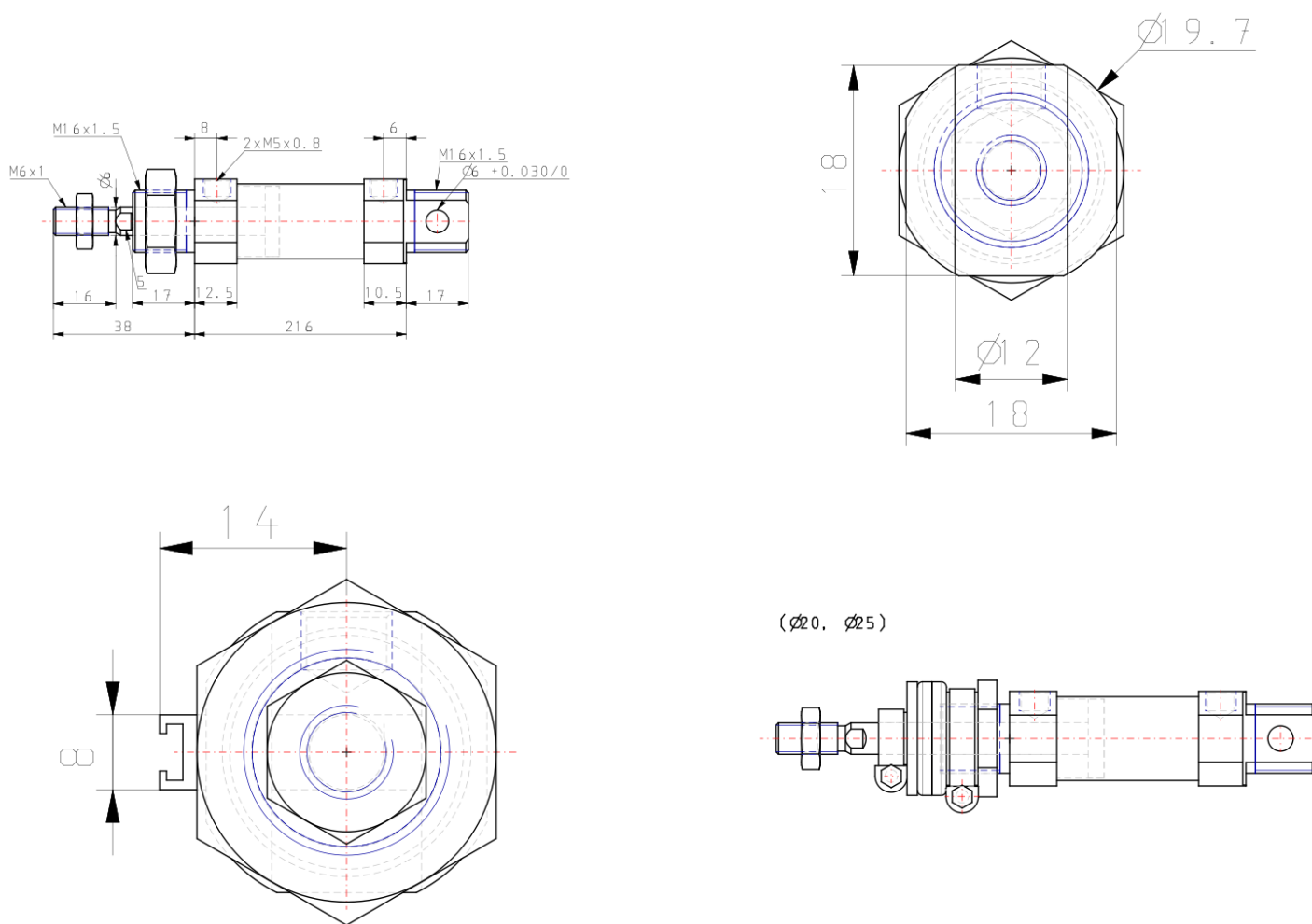
Double-acting, single-rod cylinder

Standard specifications

Magnet	None
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø16 mm
Stroke	160
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

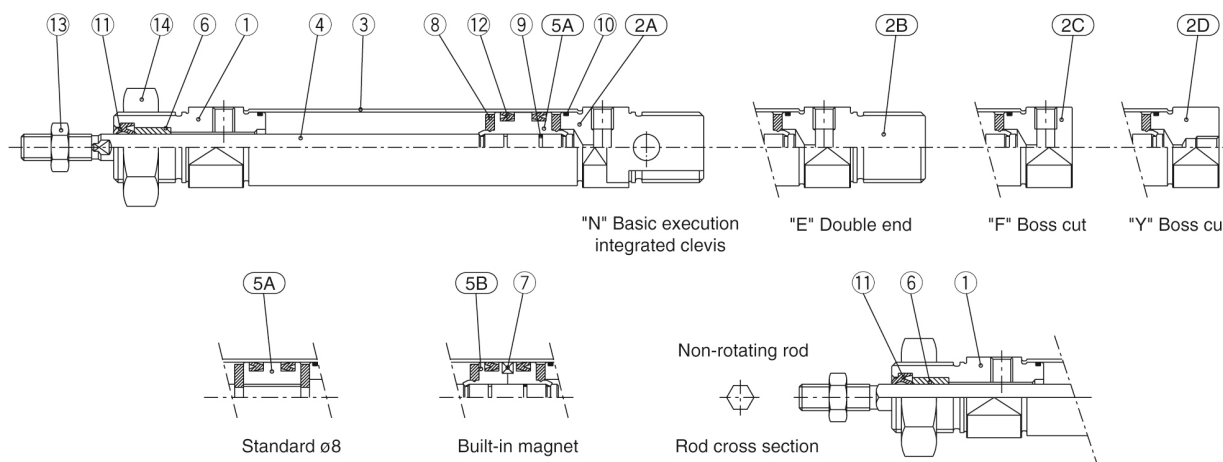
Proof pressure	1.5 MPa
Maximum ambient temperature	80 °C
Minimum ambient temperature	-20 °C
Conform to the European RoHS Directive	Conform
Number of pneumatic connections	2 pcs.
Pneumatic input connection	M5
Pneumatic output connection	M5
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	100.6 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	86.4 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	M6
Minimum piston speed	50 mm/s
Weight	0.224 Kg

Dimensions



Constructions

Double acting: Single rod C□85□8 to16 Rubber bumper (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	
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

Additional information

Catalogue

[C85_C75-A_EU.pdf](#)