

## C(D)85, ISO Standard Cylinder, Double Acting, Single Rod CD85N25-50C-B-XC6B

Datasheet

### General series information

- Double acting, single rod, crimped cylinder
- Conforms to ISO 6432 and CETOP RP52P
- Bore sizes (mm): 8, 10, 12, 16, 20, 25
- Standard strokes up to 300mm
- Auto switch capable



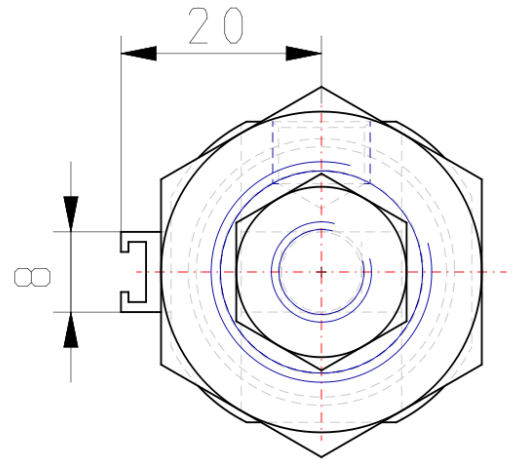
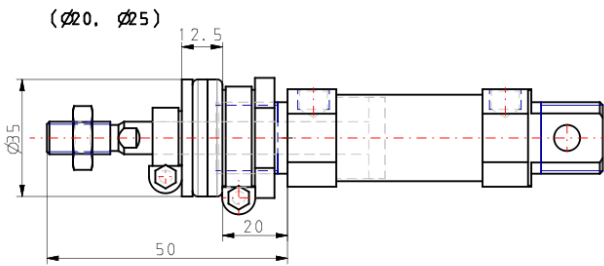
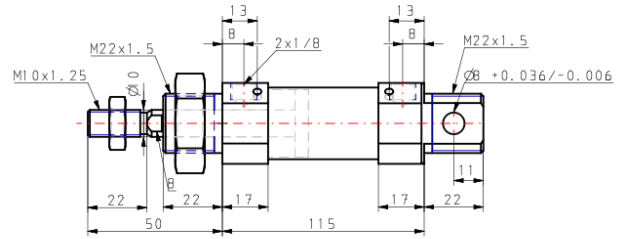
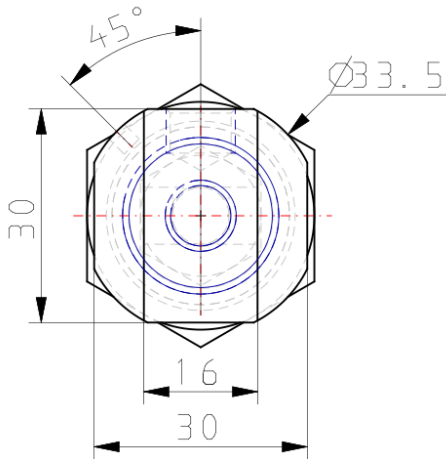
*Double-acting cylinder with cushioning adjustable at both ends, single piston rod*

### Standard specifications

Magnet	D (Built-in)
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø25 mm
Stroke	50
Cushion	C (Air Cushion)
Rod Boot	None
Auto Switch Mounting Type	B (Band)
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	Stainless Steel Piston Rod, Piston Rod Nut, Mtg Nut
Long Stroke	None
-	Compressed Air
Maximum temperature of pressure medium with magnet	80 °C
Minimum temperature of pressure medium with magnet	-20 °C

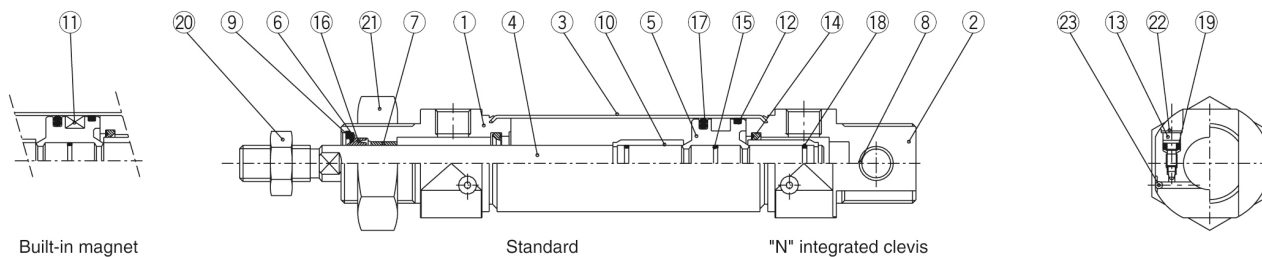
Maximum operating pressure	1 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature with magnet	80 °C
Minimum ambient temperature with magnet	-20 °C
Pneumatic input connection	G 1/8
Pneumatic output connection	G 1/8
XC6B	Stainless Steel Piston Rod, Piston Rod Nut, Mtg Nut
Theoretical cylinder force, advance stroke (at 0.5 MPa)	245.5 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	206.2 N
Maximum piston speed	1,500 mm/s
Type of cushioning	Air cushion
Piston rod end	External thread
Male thread of rod end	M10 x 1.25
Minimum piston speed	50 mm/s
Weight	0.378 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](#)