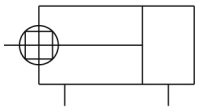
C(D)85K, ISO Cylinder, Double Acting, Single Rod, Non-Rotating

CD85KF12-100-B

Datasheet

General series information

- ISO cylinder, double acting, single rod
- Bore sizes (mm): 8, 10, 12, 16, 20, 25
- Type: non-rotating
- Cushion: rubber bumper only
- Strokes (mm): up to 300 (depending on bore)
- Auto switches available (order separate)



Double-acting cylinder, non-rotating single piston rod

Standard specifications

Magnet	D (Built-in)
Mounting	F (Boss Cut)
Bore Size	Ø12 mm
Stroke	100
Switch Mounting	B (Band)
Auto Switch	No Switch
Lead Wire or Pre-wired Connector	0.5 m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in Case of No Switch)
Rod End Options	None
Made of Stainless Steel	None
Long Stroke	None
Pressure medium	Compressed air
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium with magnet	-10 °C
Maximum operating pressure	1 MPa
Minimum operating pressure	0.08 MPa
Proof pressure	1.5 MPa

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

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Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature with magnet	-10 °C
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)	56.6 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	42.4 N
Maximum piston speed	1500 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
Tolerance of torsion	±1°
Weight	0.158 Kg

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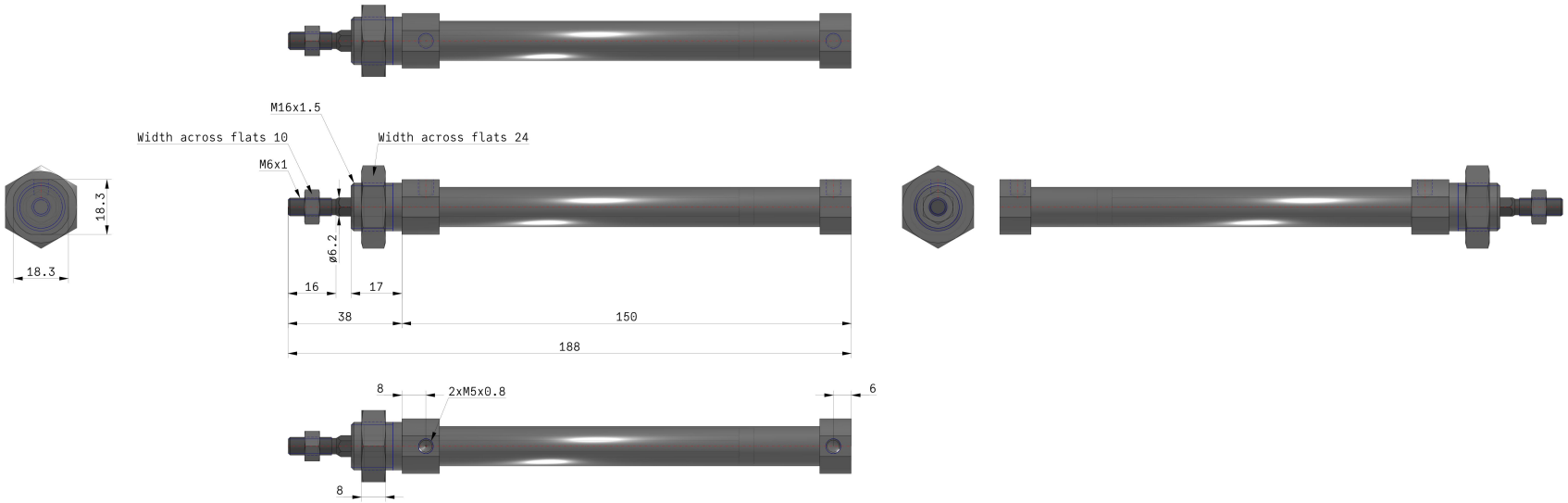
Dimensions



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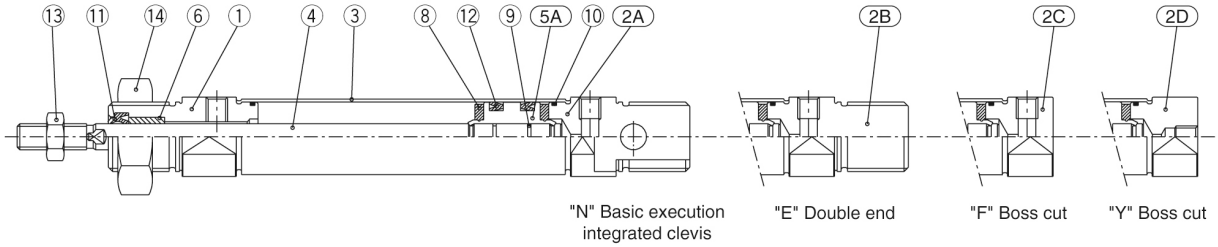
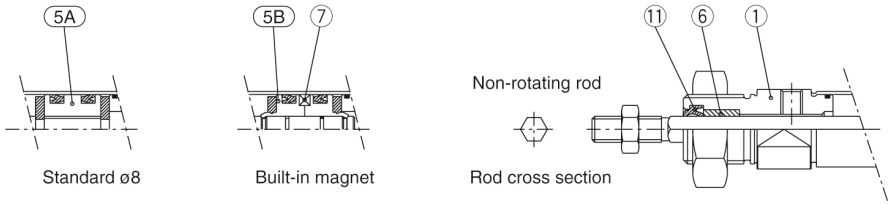
Constructions

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

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Additional information

Catalogue VDMA-C85_EU.pdf

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