

CY3B, Rodless Cylinder, Magnetically Coupled, (Basic)

CY3B15-140

Datasheet

General series information

- Magnetically coupled rodless cylinder
- Basic Type
- Bore sizes (mm): 6, 10, 15, 20, 25, 32, 40, 50, 63
- Maximum operating pressure: 0.7MPa
- Ambient temperature: -10 to 60°C

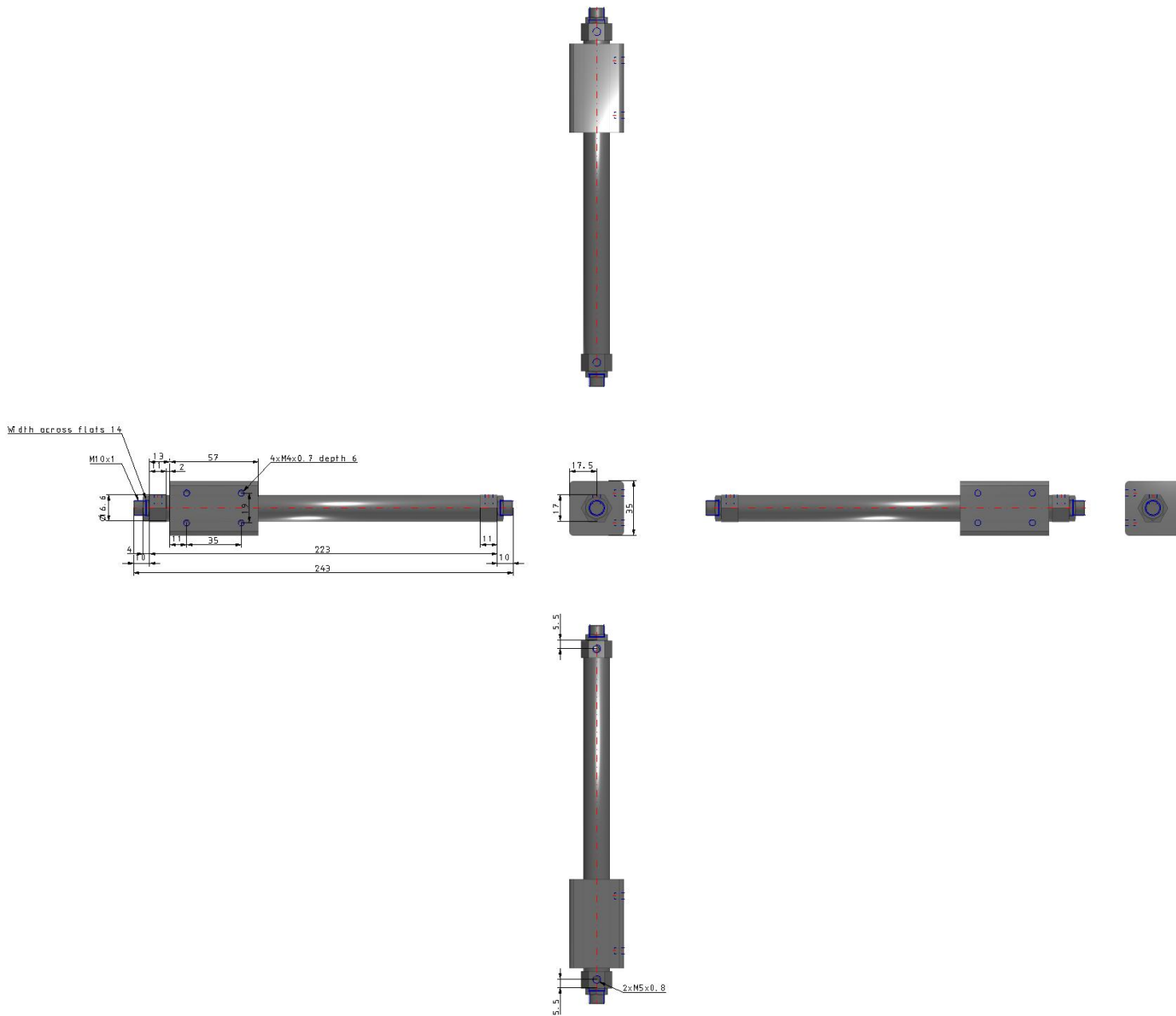


Magnetically coupled rodless cylinder

Standard specifications

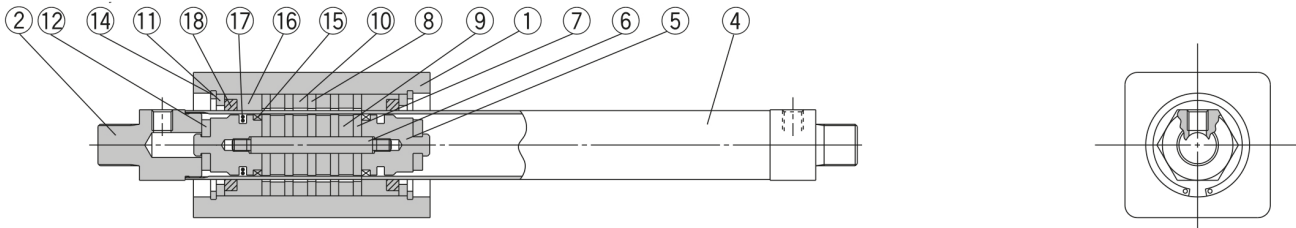
Bore Size	15mm
Port Thread	M Thread: 6 to 15 Bore; Rc: 20 to 63 Bore
Stroke	140
Made to Order	None
F006 - Max Operating Pressure	0.7 MPa
F007 - Min Operating Pressure	0.16 MPa
Proof pressure	1.05 MPa
F040 - Type of cushion	Rubber bumper on both ends
Lubrication	Non-lube
Fluid	Air
F432 - Ambient Fluid Temperature	-10 - 60°C
F443 - Stroke_length_tolerance	0 to 250 st: +1.0/0, 251 to 1000 st: +1.4/0, 1001 st to: +1.8/0
F452 - Magnetic Holding Force	137 N
F453 - Piston speed	50 - 500 mm/s
F454 - Mounting orientation	Horizontal, Inclined, Vertical
Mounting nut (2 pcs.)	Standard equipment (accessory)
Weight	0.370 Kg

Dimensions



Constructions

CY3B10, 15



Component Parts

No.	Description	Material	Note
1	Body	Aluminum alloy	Hard anodized
2	Head cover	Ø 6, Ø 10 Brass	Electroless Ni plated
		Ø 15 to Ø 63 Aluminum alloy	
3	End collar	Aluminum alloy	Ø 20 to Ø 40 only
4	Cylinder tube	Stainless steel	
5	Piston	Ø 6 to Ø 15 Brass	Ø 6 to Ø 15 Electroless Ni plated
		Ø 20 to Ø 63 Aluminum alloy	Ø 20 to Ø 63 Chromated
6	Shaft	Stainless steel	
7	Piston side yoke	Rolled steel	Zinc chromated
8	External slider side yoke	Rolled steel	Zinc chromated
9	Magnet A	Rare earth magnet	
10	Magnet B	Rare earth magnet	
11	Spacer	Aluminum alloy	Black anodized (Ø 6: not available)
12	Bumper	Urethane rubber	
13	Piston nut	Carbon steel	Ø 6 to Ø 15: not available
14	C type snap ring for hole	Carbon tool steel	Nickel plated
15	Wear ring A	Special resin	
16	Wear ring B	Special resin	
17	Piston seal	NBR	
18	Lubretainer	Special resin	Ø 6: not available
19	Cylinder tube gasket	NBR	Ø 6, Ø 10 only

Additional information

Catalogue	CY3-C_EU.pdf
Operation manuals	OM_CYBx_OM0001EN-A.pdf OM_CYRx_OM0001EN-A.pdf