

# CY3B, Rodless Cylinder, Magnetically Coupled, (Basic) CY3B15-350

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

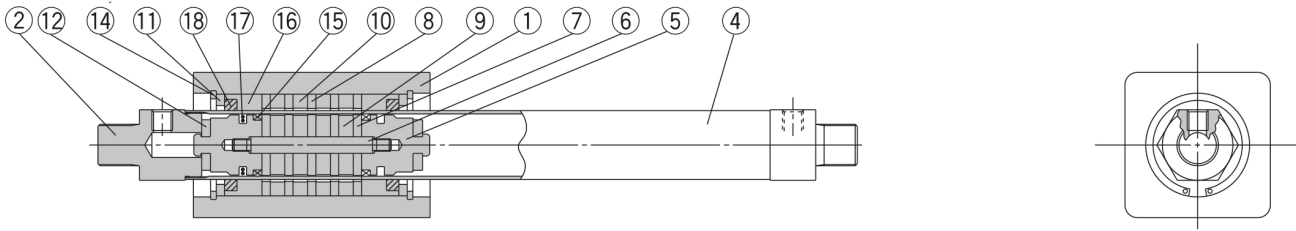
## Standard specifications

Bore Size	15 mm
Port Thread	M Thread: 6 to 15 Bore; Rc: 20 to 63 Bore
Stroke	350
Made to Order	None
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.16 MPa
Proof pressure	1.05 MPa
Type of cushioning	Rubber bumper on both ends
Lubrication	Non-lube
Fluid	Air
Ambient and fluid temperature	-10 - 60°C
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
Piston speed	50 - 500 mm/s
F454 - Mounting orientation	Horizontal, Inclined, Vertical
Mounting nut (2 pcs.)	Standard equipment (accessory)
Weight	0.380 Kg



## Constructions

### CY3B10, 15



#### Component Parts

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

## Additional information

Catalogue

[CY3-C\\_EU.pdf](#)

Operation manuals

[OM\\_CYBx\\_OM0001EN-A.pdf](#)

[OM\\_CY3R\\_OM0001H\\_EN.pdf](#)