

## CY3B, Rodless Cylinder, Magnetically Coupled, (Basic) CY3B32TF-700

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

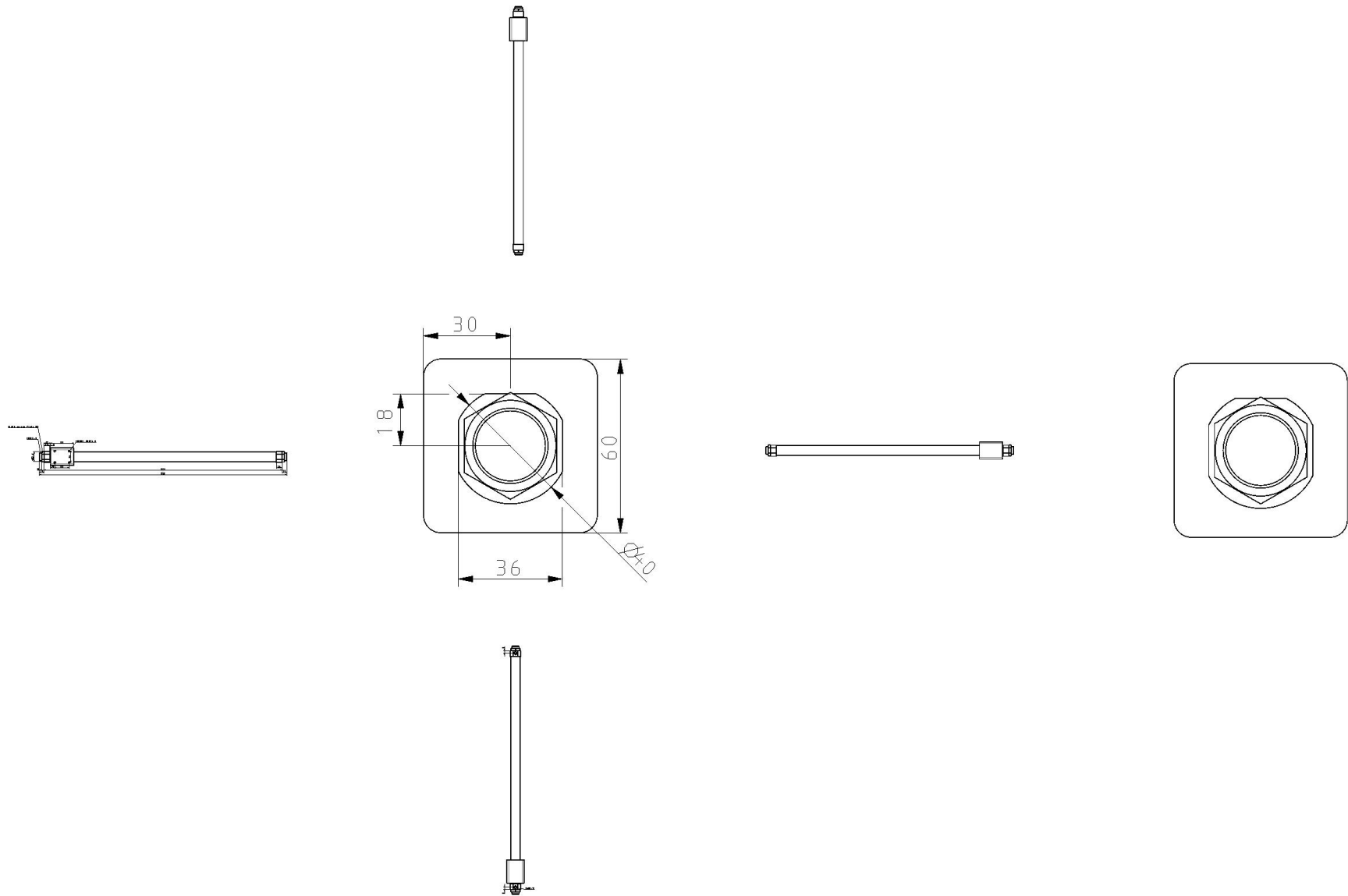


Magnetically coupled rodless cylinder

### Standard specifications

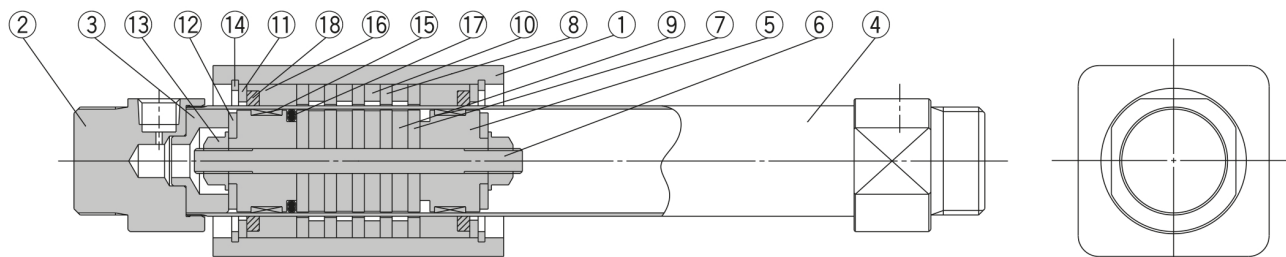
Bore Size	32mm
Stroke	700
Port Thread	TF (G Thread)
Made to Order	None
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.14 MPa
Proof pressure	1.05 MPa
Type of cushioning	Rubber bumper on both ends
Lubrication	Non-lube
Fluid	Air
Ambient and fluid temperature	-10 - 60°C
Stroke length tolerance	0 to 250 st: +1.0/0, 251 to 1000 st: +1.4/0, 1001 st to: +1.8/0
F452 - Magnetic Holding Force	588 N
Piston speed	50 - 500 mm/s
F454 - Mounting orientation	Horizontal, Inclined, Vertical
Mounting nut (2 pcs.)	Standard equipment (accessory)
Weight	1.000 Kg

Dimensions



## Constructions

### CY3B20 to 40



### Component Parts

No.	Description	Material	Note
1	Body	Aluminum alloy	Hard anodized
2	Head cover	<div> <div> <math>\varnothing 6, \varnothing 10</math> </div> <div>Brass</div> </div> <div> <div> <math>\varnothing 15</math> to <math>\varnothing 63</math> </div> <div>Aluminum alloy</div> </div>	Electroless Ni plated
3	End collar	Aluminum alloy	$\varnothing 20$ to $\varnothing 40$ only
4	Cylinder tube	Stainless steel	
5	Piston	<div> <div> <math>\varnothing 6</math> to <math>\varnothing 15</math> </div> <div>Brass</div> </div> <div> <div> <math>\varnothing 20</math> to <math>\varnothing 63</math> </div> <div>Aluminum alloy</div> </div>	<div> <div> <math>\varnothing 6</math> to <math>\varnothing 15</math> </div> <div>Electroless Ni plated</div> </div> <div> <div> <math>\varnothing 20</math> to <math>\varnothing 63</math> </div> <div>Chromated</div> </div>
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 ( $\varnothing 6$ : not available)
12	Bumper	Urethane rubber	
13	Piston nut	Carbon steel	$\varnothing 6$ to $\varnothing 15$ : 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	$\varnothing 6$ : not available
19	Cylinder tube gasket	NBR	$\varnothing 6, \varnothing 10$ only

## Additional information

Catalogue

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

Operation manuals

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

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