

MY1B-Z, Mechanical Joint Rodless Cylinder, Basic Type w/o Stroke Adjustment

MY1B25TF-250Z

Datasheet

General series information

- w/o Stroke Adjustment Unit
- Easy adjustment of the cushion needle.
- Entrance of external particle is reduced, reliability improved and maintenance costs reduced.
- Piping flexibility because it can be connected in 4 directions and it can be selected from 2 types (standard and centralised).
- Flexibility in the auto switch mounting.



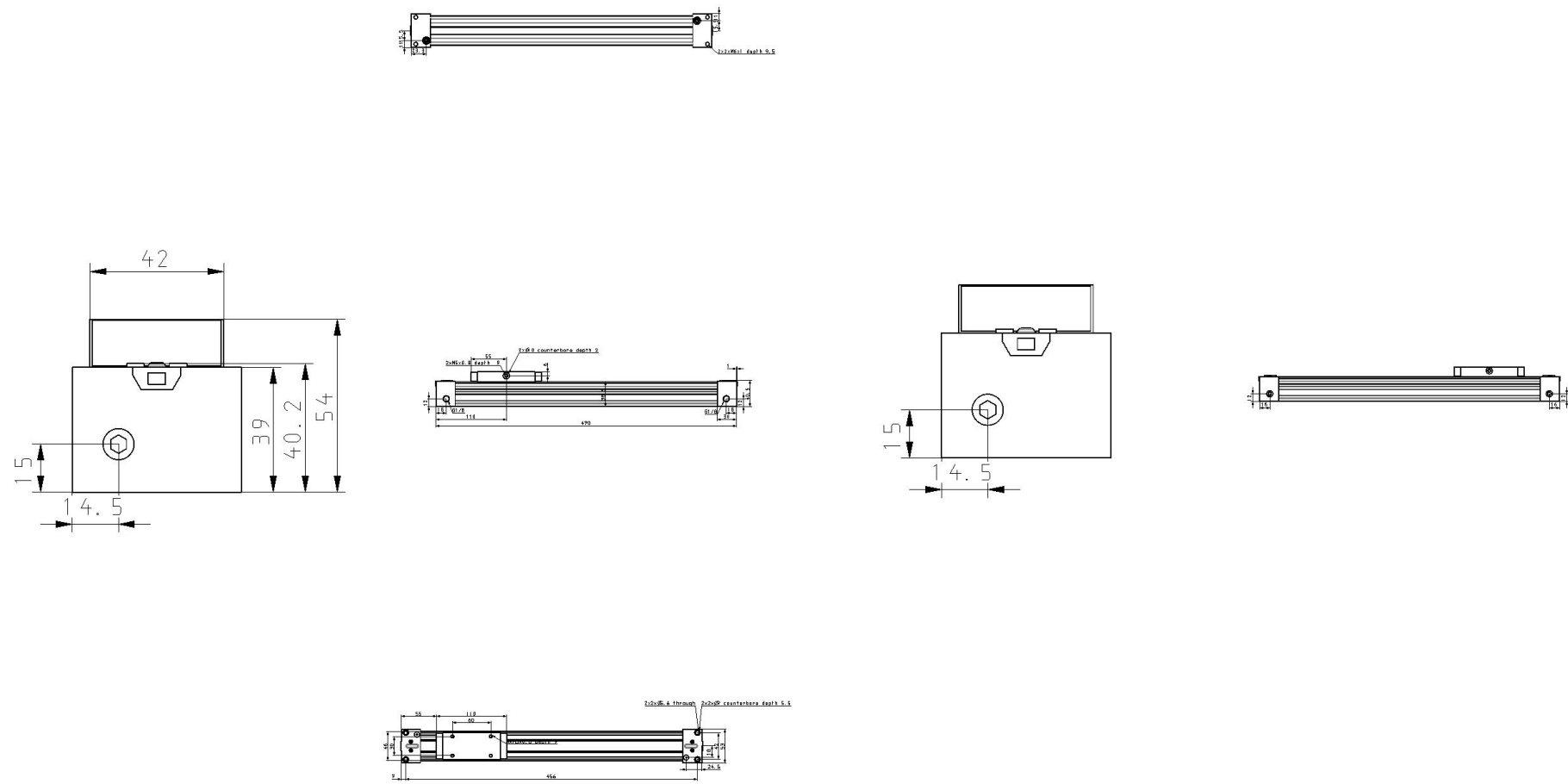
Mechanically Jointed Rodless Cylinder

Standard specifications

Bore Size	25mm
Port Thread	TF (G)
Piping	Standard
Stroke	250
Stroke Adjustment Unit	Left: w/o Unit; Right: w/o Unit
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)
Pressure medium	Compressed air
Maximum temperature of pressure medium	60 °C
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium	5 °C
Minimum temperature of pressure medium with magnet	5 °C
Maximum operating pressure	0.8 MPa
Minimum operating pressure	0.1 MPa
Proof pressure	1.2 MPa
Maximum ambient temperature	60 °C

Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature	5 °C
Minimum ambient temperature with magnet	5 °C
Pneumatic input connection	G 1/8
Mode of operation of drive single	Double Acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	245 N
Maximum piston speed	1000 mm/s
Type of cushioning	Air Cushion
Number of pneumatic connections	2 pcs.
Usable tubing material	PU
Weight	1.690 Kg

Dimensions



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

Constructions

MY1B25 to 40



Component Parts

No.	Description	Material	Qty.	Note
1	Cylinder tube	Aluminium alloy	1	Hard anodised
2	Head cover	Aluminium alloy	2	Painted
3	Cushion boss	Polyacetal	2	
4	Piston yoke	Aluminium alloy	1	Anodised
5	Piston	Aluminium alloy	2	Chromated
6	End cover	Polyacetal	2	
7	Wear ring	Polyacetal	2	
8	Head plate	Stainless steel	2	
9	Cushion needle	Rolled steel	2	Nickel plated
10	Stopper	Carbon steel	4	Nickel plated
11	Belt separator	Polyacetal	2	
12	Guide roller	Polyacetal	1	
13	Parallel pin	Carbon steel	1	
16	Belt clamp	Polybutylene terephthalate	2	
21	Bearing	Polyacetal	2	

No.	Description	Material	Qty.	Note
22	Spacer	Stainless steel	4	
23	Spring pin	Carbon tool steel	2	
24	Seal magnet	Rubber magnet	2	
25	Hexagon socket head cap screw	Chromium molybdenum steel	6	Chromated
26	Hexagon socket button head screw	Chromium molybdenum steel	4	Chromated
27	Thin head screw	Chromium molybdenum steel	4	Chromated
29	Double round parallel key	Carbon steel	2	
30	Hexagon socket head taper plug	Carbon steel	4	Chromated (Centralised piping: 7 pcs.)
31	Magnet	Rare earth magnet	2	
32	Top cover	Stainless steel	1	
35	Hexagon socket head taper plug	Carbon steel	2	Chromated (Centralised piping: 3 pcs.)
36	Type CR retaining ring	Spring steel	2	
38	Steel ball	Spring steel	2	

Additional information

Catalogue

[MY1B-Aa_EU.pdf](#)

Operation manuals

[OM_MY1_MYZZ-OM0009QEN.pdf](#)