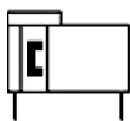


MY1H-Z, Mechanically Jointed Rodless Cylinder, Linear Guide Type, w/o Stroke Adjustment Unit MY1H25TFG-450Z

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.

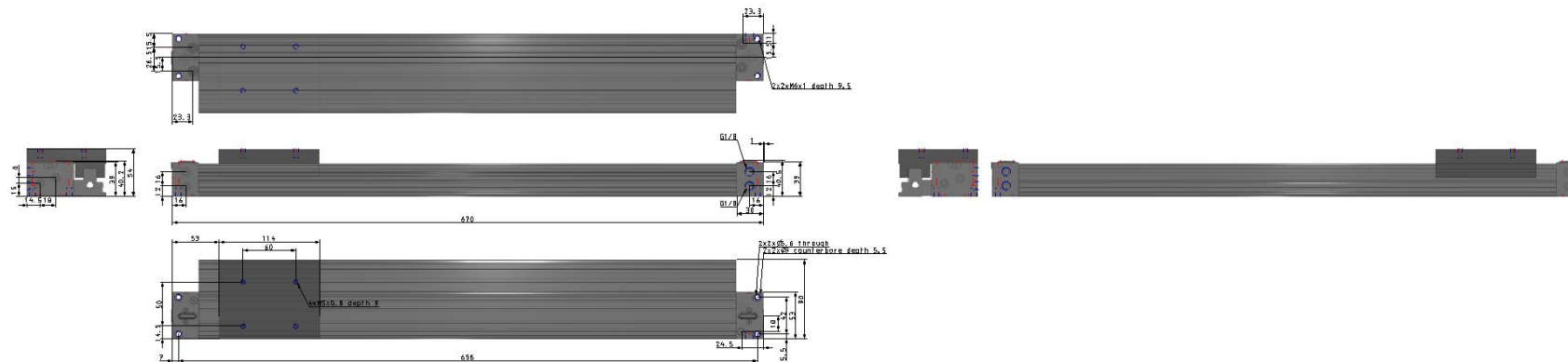


Mechanically Jointed Rodless Cylinder

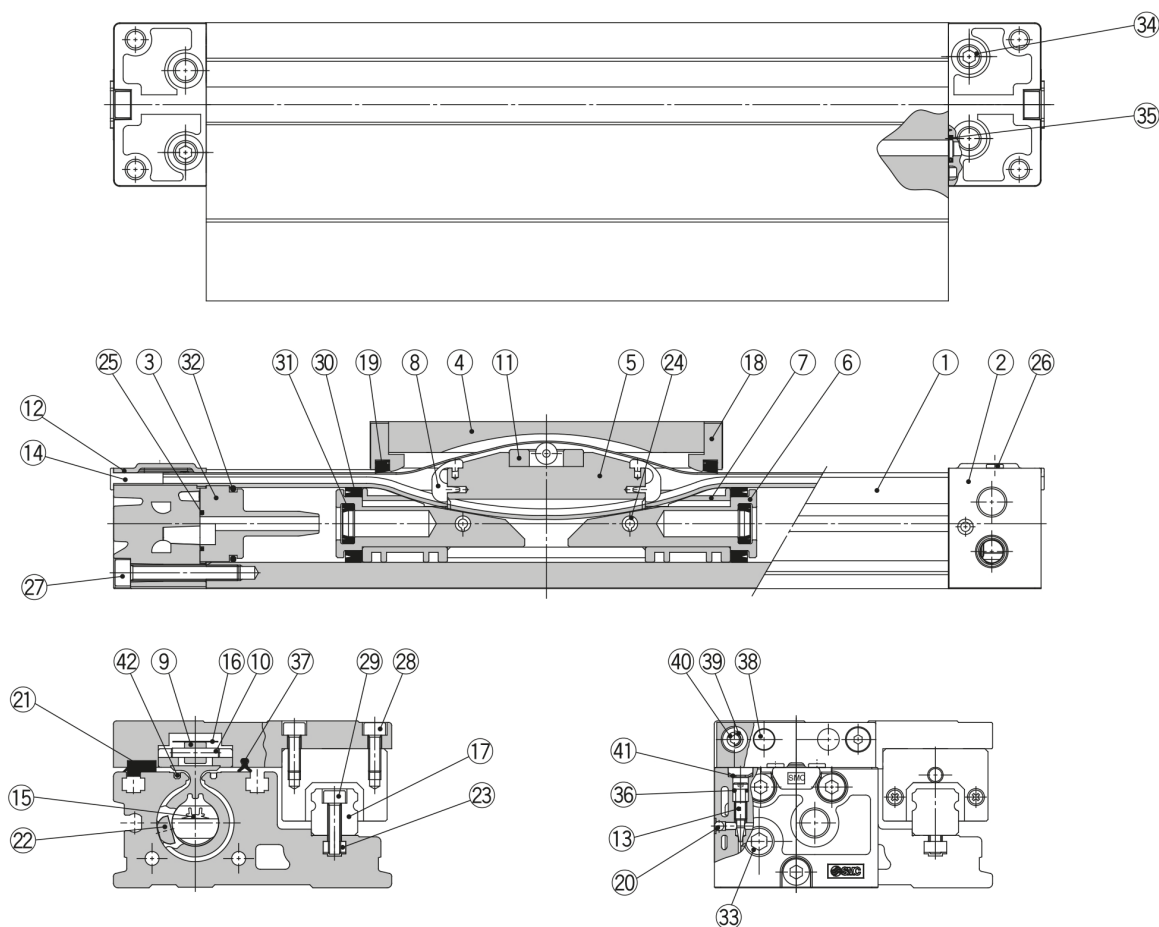
Standard specifications

Bore Size	25 mm
Thread	TF (G)
Piping	G (Centralized Piping Type)
Stroke	450
Stroke Adjustment Unit	Left: w/o Unit; Right: w/o Unit
End Lock Position	w/o End Lock
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)
Made to Order	None
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	4.870 Kg



Constructions



Component Parts

No.	Description	Material	Note
1	Cylinder tube	Aluminium alloy	Hard anodised
2	Head cover	Aluminium alloy	Painted
3	Cushion boss	Special resin	
4	Slide table	Aluminium alloy	Hard anodised
5	Piston yoke	Aluminium alloy	Chromated
6	Piston	Aluminium alloy	Chromated
7	Wear ring	Special resin	
8	Belt separator	Special resin	
9	Guide roller	Special resin	
10	Parallel pin	Stainless steel	
11	Coupler	Sintered iron material	
12	Head plate	Stainless steel	
13	Cushion needle	Rolled steel	Nickel plated
14	Belt clamp	Special resin	
17	Guide	—	
18	End cover	Special resin	
20	Steel ball	Carbon tool steel	
21	Bearing	Special resin	
22	Magnet	Rare earth magnet	
23	Square nut	Carbon steel	Chromated
24	Spring pin	Bearing steel	Black zinc chromated
26	Thin head screw	Chromium molybdenum steel	Chromated
27	Hexagon socket head cap screw	Chromium molybdenum steel	Chromated
28	Hexagon socket head cap screw	Chromium molybdenum steel	Chromated
29	Hexagon socket head cap screw	Chromium molybdenum steel	Chromated
33	Hexagon socket head taper plug	Carbon steel	Chromated (Centralised piping: 10 pcs.)
34	Hexagon socket head taper plug	Carbon steel	Chromated (Centralised piping: 4 pcs.)
38	Stopper	Carbon steel	
39	Spacer	Stainless steel	
40	Hexagon socket button head screw	Chromium molybdenum steel	Chromated
41	CR retaining ring	Spring steel	
42	Seal magnet	Rubber magnet	

Additional information

Catalogue

[MY1H-A_EU.pdf](#)

Operation manuals

[OM_MY1_OM0009QEN.pdf](#)