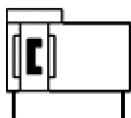


MY3M, Mechanical Joint Rodless Cylinder, Slide Bearing Type, w/o Stroke Adjustment Unit MY3M16-270

Datasheet

General series information

- w/o Stroke Adjustment Unit
- Work pieces can be loaded directly onto the work table, this is due to the integrated slide bearing guide.
- Also the loading capacity compared to MY3A & MY3B is improved.
- The unique oval shaped piston allows reduction in height and length as well as the practical arrangement of the common piping passages, cushion mechanism and positioning mechanism.
- This has achieved drastic miniaturisation and weight reduction.
- Overall length (Z) reduced by up to 104mm. (Ø63).
- Overall height (H) reduced by up to 28%. (Ø63).
- Overall weight reduced by up to 50%. (Ø16)
- Option for Rc, G or NPT type port threads. (Ø25 to Ø63)



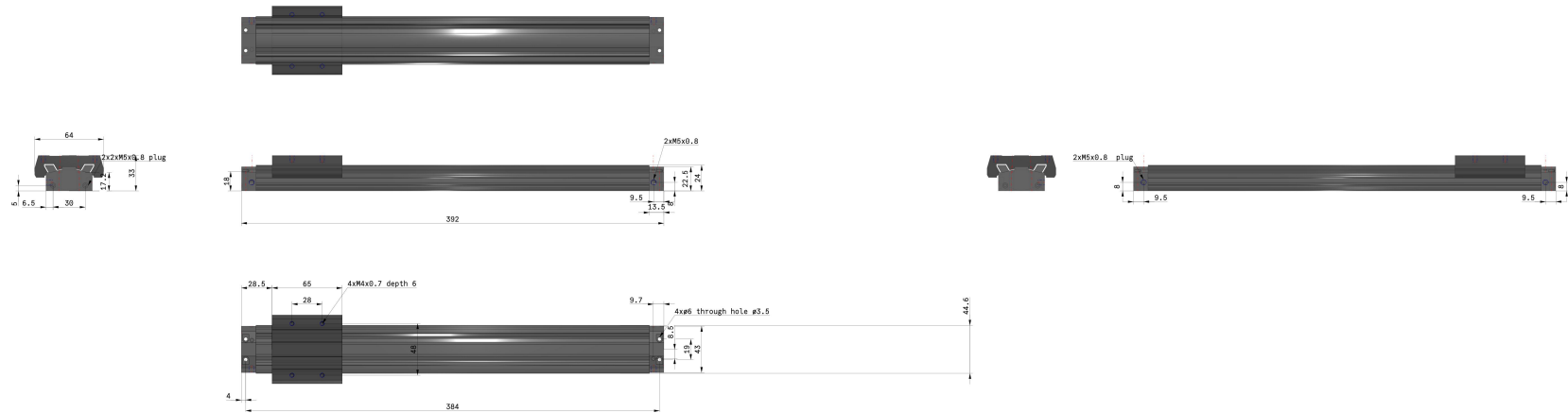
Rodless cylinder mechanically joint with air cushion

Standard specifications

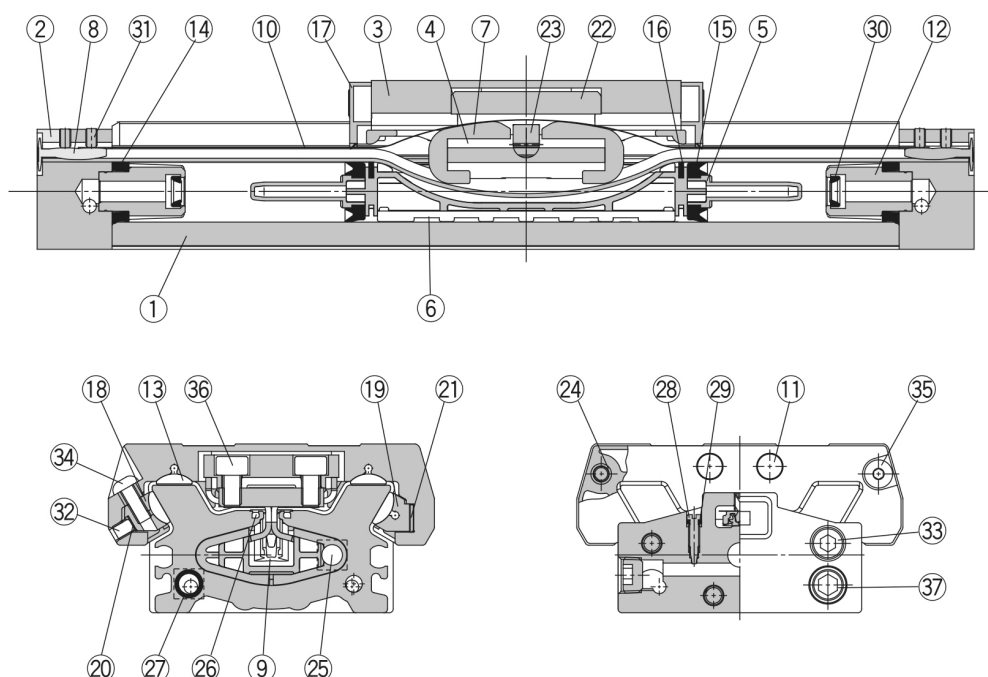
Bore Size	Ø16mm
Thread Type	Rc: Ø25, Ø40, Ø63/M thread: Ø16
Stroke	270
Stroke Adjusting Unit	Left: w/o Unit; Right: w/o Unit
Auto Switch	Without Auto switch
Lead Wire or Pre-wired Connector	0.5 m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in Case of No Switch)
Proof pressure	1.2 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	5 °C
Conform to the European RoHS Directive	Conform
Type of cushioning	Air Cushion

Lubrication	Non-Lube
Fluid	Air
Stroke length tolerance	+1,8 ~ 0 mm
Action	Double Acting
Weight	0.722 Kg

Dimensions



Constructions



Component Parts

No.	Description	Material	Note
1	Cylinder tube	Aluminum alloy	Hard anodised
2	Head cover	Aluminum alloy	Hard anodised
3	Slide table	Aluminum alloy	Hard anodised
4	Piston yoke	Stainless steel	
5	Piston	Polyamide	
6	Wear ring	Polyacetal	
7	Belt separator	Polyacetal	
8	Belt clamp	Polybutylene terephthalate	
11	Stopper	Carbon steel	Nickel plated
12	Cushion boss	Aluminum alloy	Chromated
13	Bearing	Polyacetal	
16	Inner wiper	Special resin	
17	End cover	Polyamide	
18	Adjust arm A	Aluminum alloy	Chromated
19	Adjust arm B	Aluminum alloy	Chromated

No.	Description	Material	Note
20	Backup spring	Stainless steel	
21	Bearing adjustment rubber	NBR	
22	Coupler body	Aluminum alloy	Hard anodised
23	Coupler pin	Carbon steel	Electroless nickel plated
24	Spacer	Stainless steel	
25	Magnet	—	
26	Seal magnet	Rubber magnet	
28	Cushion needle	Rolled steel	Nickel plated
31	Hexagon socket head set screw	Chrome molybdenum steel	Chromated
32	Hexagon socket head set screw	Chrome molybdenum steel	Chromated
33	Hexagon socket head cap screw	Chrome molybdenum steel	Chromated
34	Hexagon socket button head screw	Chrome molybdenum steel	Chromated
35	Hexagon socket button head screw	Chrome molybdenum steel	Chromated
36	Hexagon socket head cap screw	Chrome molybdenum steel	Chromated
37	Hexagon socket head plug	Carbon steel	Chromated

Replacement Parts/Seal

No.	Description	Material	Qty.	MY3M16	MY3M25	MY3M40	MY3M63
9	Seal belt	Urethane	1	MY3B16-16C-[Stroke]	MY3B25-16C-[Stroke]	MY3B40-16C-[Stroke]	MY3B63-16A-[Stroke]
10	Dust seal band	Stainless steel	1	MY3B16-16B-[Stroke]	MY3B25-16B-[Stroke]	MY3B40-16B-[Stroke]	MY3B63-16B-[Stroke]
29	O-ring	NBR	2	KA00309 (ø4 x ø1.8 x ø1.1)	KA00309 (ø4 x ø1.8 x ø1.1)	KA00320 (ø7.15 x ø3.75 x ø1.7)	KA00402 (ø8.3 x ø4.5 x ø1.9)
14	Tube gasket	NBR	2	MY3B16-PS	MY3B25-PS	MY3B40-PS	MY3B63-PS
15	Piston seal	NBR	2				
27	O-ring	NBR	4				
30	Cushion seal	NBR	2				

Additional information

Catalogue	MY3-Cc_EU.pdf
Operation manuals	OM_MY3_OM0013QEN.pdf