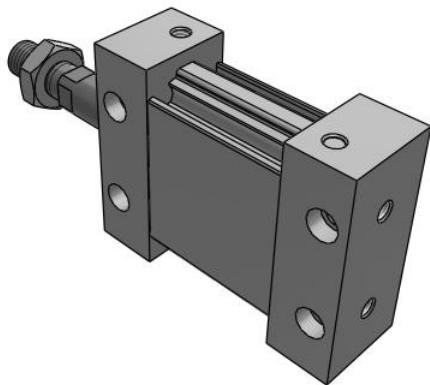


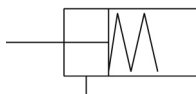


M(D)U Plate Cylinder, Single Acting w/Auto Switch Mounting Groove MDUB25-10TMZ

Datasheet

General series information

- Plate Cylinder, Single Acting, Single Rod.
- Reduced labour when mounting the switch.
- Auto-switch doesn't protrude.
- It's possible to mount the autoswitches in four directions.
- A maximum 62% width reduction.

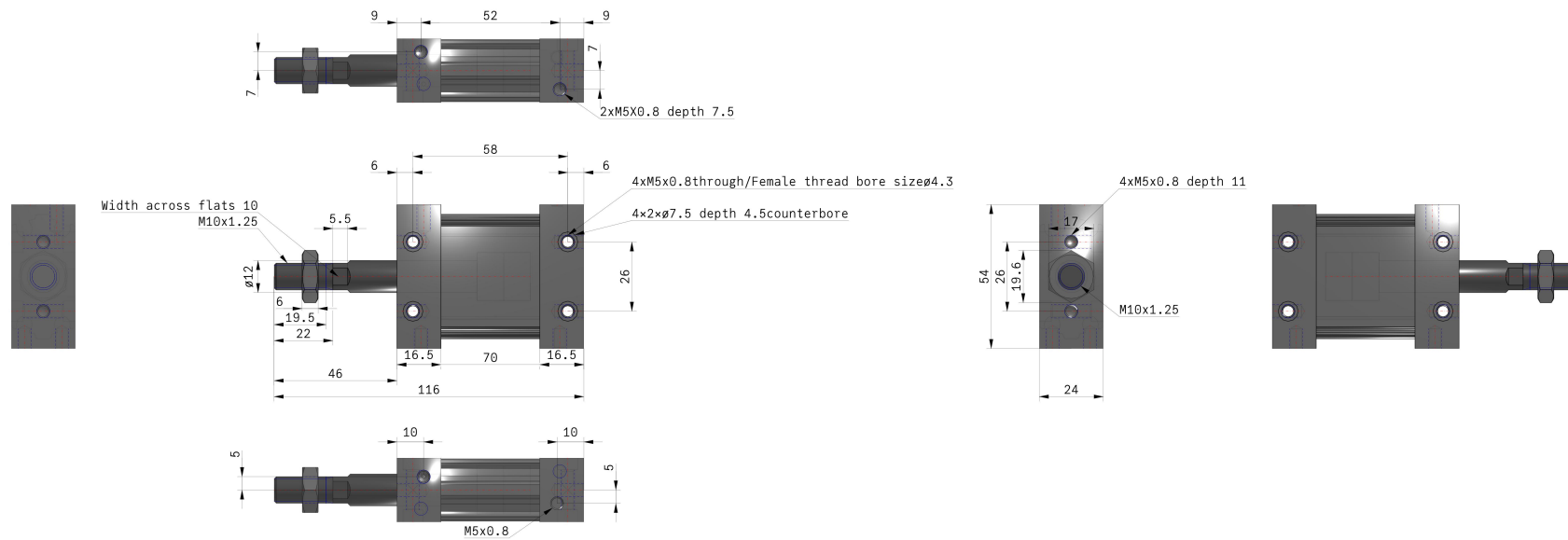


Single-acting cylinder, single piston rod, stroke
by spring, return stroke by air pressure

Standard specifications

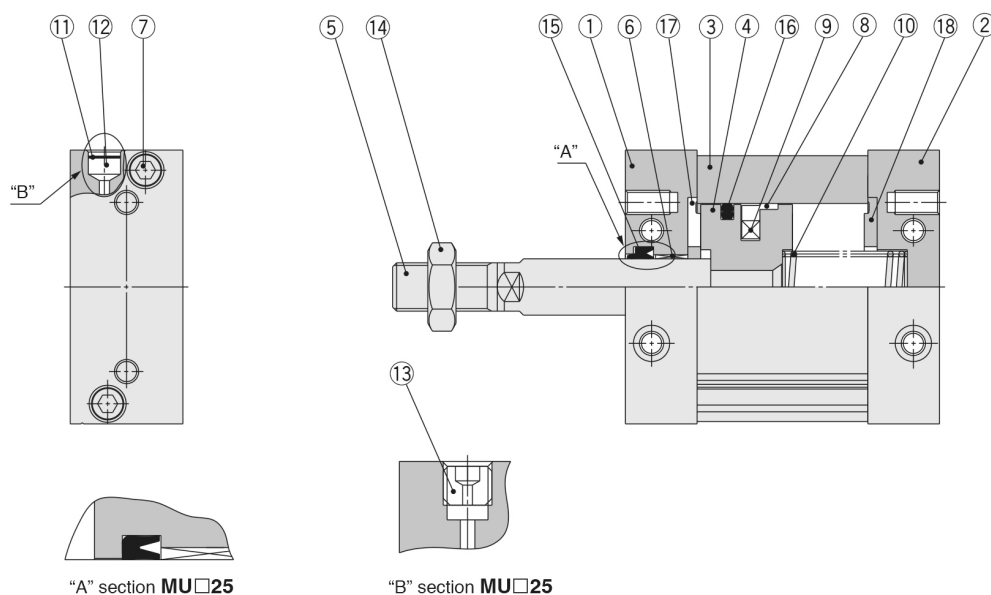
Magnet	D (Built-in)
Mounting	B (Basic)
Size	25 (Equiv. Ø25 Piston Area)
Port Thread	M thread: Ø25, Rc: Ø32 to Ø63
Stroke	10 mm
Action	T (Single Acting, Spring Extend)
Rod End	M (Male Thread)
Auto Switch	None
Lead Wire or Pre-wired Connector	0.5 m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in Case of No Switch)
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.18 MPa
Proof pressure	1.05 MPa
Mode of operation of drive single	Single acting, Spring extend
Theoretical cylinder force, return stroke (at 0.5 MPa)	159 N
Maximum piston speed	500 mm/s
Type of cushioning	Rubber bumper
Minimum piston speed	50 mm/s

Lubrication	Not required (non-lube)
Allowable rotational torque	0.25 N·m
Minimum ambient and fluid temperature	-10 °C
Fluid	Air
Rod non-rotating accuracy	±1°
Stroke length tolerance	+1.4 0



Constructions

Spring extend



Component Parts

No.	Description	Material	Note
1	Rod cover	Aluminum alloy	Anodised
2	Head cover	Aluminum alloy	Anodised
3	Cylinder tube	Aluminum alloy	Hard anodised
4	Piston	Aluminum alloy	Chromated
5	Piston rod	Carbon steel	Hard chrome plated
6	Bushing	Oil-impregnated sintered alloy	
7	Hexagon socket head bolt	Stainless steel	
8	Wear ring	Resin	
9	Magnet	—	Only built-in magnet type
10	Return spring	Steel wire	Zinc chromated
11	Element	Bronze	
12	Retaining ring	Spring steel	
13	Plug	Chromium molybdenum steel	
14	Rod end nut	Rolled steel	Only attached to rod end male thread
15	Rod seal	NBR	
16	Piston seal	NBR	
17	Bumper	Urethane	
18	Bumper B	Urethane	

Additional information

Catalogue

[MU_EU.pdf](#)