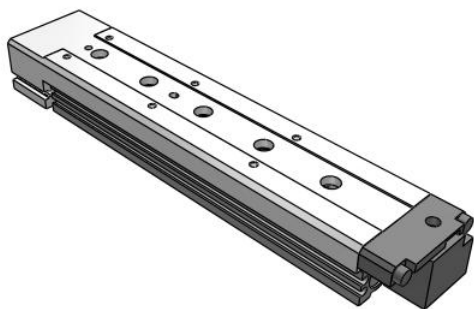




MXS, Air Slide Table, Cross Roller Guide

MXS12-100FR

Datasheet

General series information

- Air slide table
- Bore size: 6, 8, 12, 16, 20, 25 (mm)
- Strokes: 5mm to 150mm, depending upon bore size
- With or without stroke adjuster with or without shock
- Options: buffer, end lock, axial piping
- Variety of switches with a variety of wire lead lengths

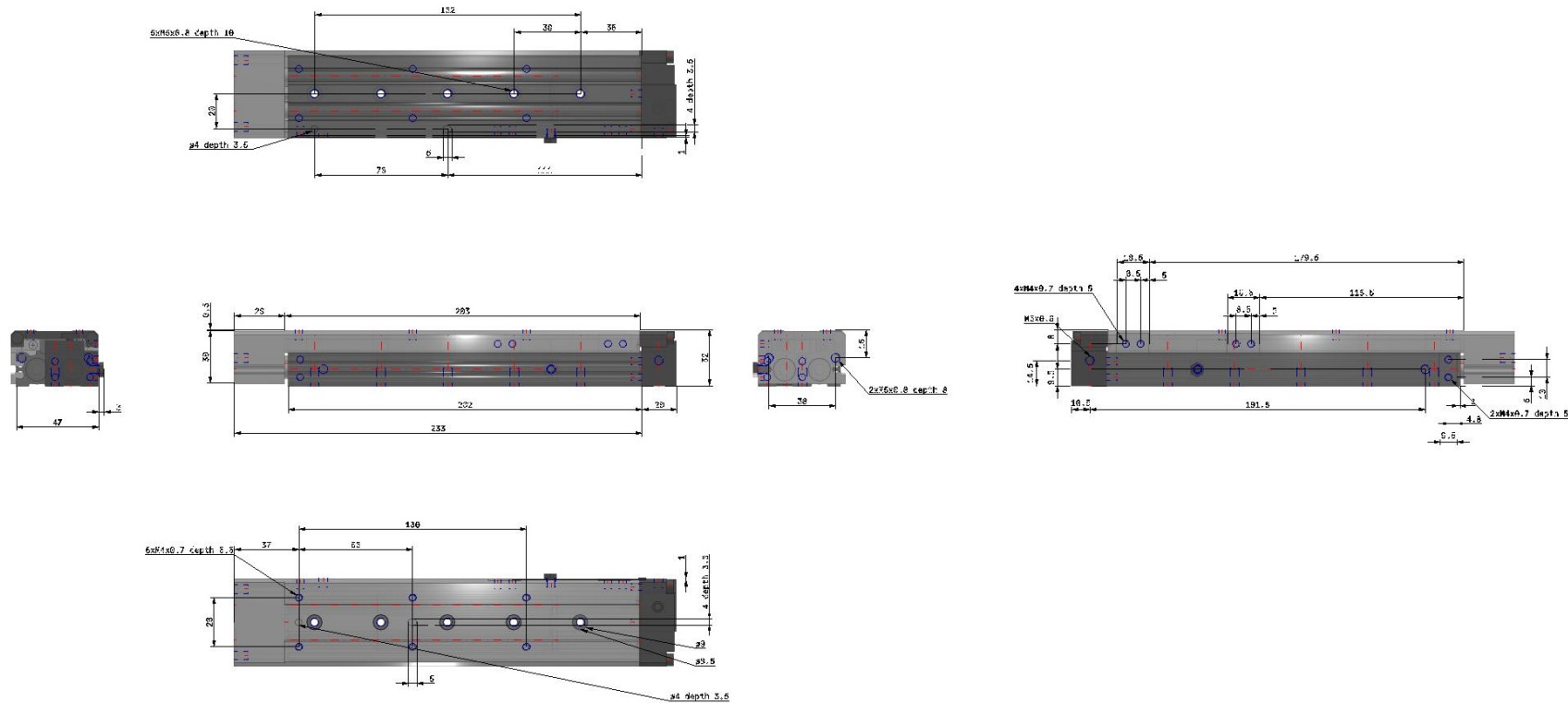


Double-acting, single-rod cylinder

Standard specifications

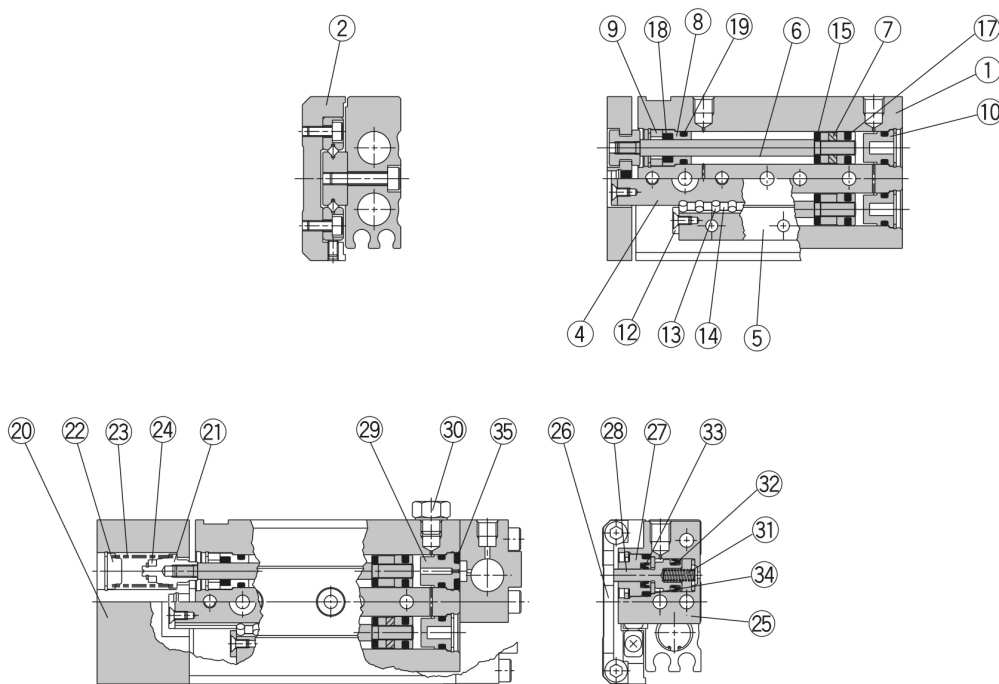
Bore Size	12mm
Port Thread	Rc
Stroke	100mm
Adjuster	w/o Adjuster
Function	FR (Buffer and End Lock)
Auto Switch	No Switch
Lead Wire or Prewired Connector	05 M Lead Wire [Or None in the Case of No Auto Switch]
Number	2 pcs. [Or None in the Case of No Switch]
Pressure medium	Air
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium with magnet	-10 °C
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.15 MPa
Proof pressure	1.05 MPa
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature with magnet	-10 °C
Number of pneumatic connections	2 pcs.

Pneumatic input connection	M5
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	113 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	85 N
Maximum piston speed	500 mm/s
Type of cushioning	Rubber bumper
Minimum piston speed	50 mm/s
Lubrication	Non-lube
Weight	1.000 Kg



Constructions

Construction



With buffer

With end lock

Component Parts

No.	Description	Material	Note
①	Body	Aluminum alloy	Hard anodized
②	Table	Aluminum alloy	Hard anodized
④	Rail	Carbon tool steel	Heat treated
⑤	Guide	Carbon tool steel	Heat treated
⑥	Rod	Stainless steel	
⑦	Piston assembly		With magnet on one side
⑧	Rod cover	Aluminum alloy	Anodized
⑨	Seal support	Brass	Electroless nickel plated
⑩	Head cap	Resin	
⑫	Roller stopper	Stainless steel	
⑬	Cylindrical roller	High carbon chrome bearing steel	
⑭	Roller spacer	Resin	
⑯	Rod bumper	Polyurethane	
⑰	Piston seal	NBR	
⑱	Rod seal	NBR	
⑲	O-ring	NBR	

Component Parts: With Buffer

No.	Description	Material	Note
⑳	End plate	Aluminum alloy	Hard anodized
㉑	Spring collar	Stainless steel	
㉒	Head cap	Stainless steel	
㉓	Spring	Stainless steel	
㉔	Magnet	Rare earth	

Component Parts: With End Lock

No.	Description	Material	Note
㉕	Locking body	Aluminum alloy	Hard anodized
㉖	Table support	Carbon steel	Anti-corrosive treated
㉗	Rod cover	Aluminum alloy	
㉘	Piston rod	Stainless steel	
㉙	Bushing	Aluminum alloy	Chromated
㉚	Blanking plug	Brass	Electroless nickel plated
㉛	Return spring	Stainless steel	
㉜	Piston seal	NBR	
㉝	Rod seal	NBR	
㉞	O-ring	NBR	

Additional information

Catalogue

[MXS_EU.pdf](#)