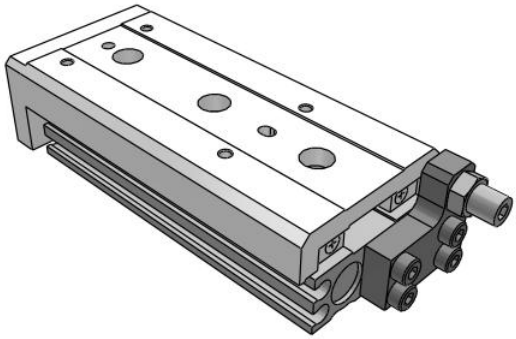
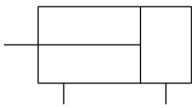


MXS, Air Slide Table, Cross Roller Guide

MXS8-40AT

Datasheet

Applications that call for precise movement ranging from 10-150mm (1/2-6") typically require a cylinder and a precision guide. The MXS accomplishes this by integrating a cross roller bearing with a guide and two small air cylinders for compact force generation. The MXS is available in six sizes each with set stroke lengths and is standard with auto switch capability. Stroke adjustments are available for extend, retract, or both in ranges of 0-5mm, 0-15mm, and 0-25mm. In addition, there are many other standard options that include, shock absorbers, end lock, axial piping, and buffer.



Double-acting, single-rod cylinder

Standard specifications

Bore Size	8mm
Port Thread	Rc
Stroke	40mm
Adjuster	AT (Retracting Stroke End Adjuster)
Function	Standard
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 ºC
Minimum temperature of pressure medium with magnet	-10 ºC
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.15 MPa
Proof pressure	1.05 MPa
Maximum ambient temperature with magnet	60 ºC
Minimum ambient temperature with magnet	-10 ºC
Conform to the European RoHS Directive	Conform
Number of pneumatic connections	2 pcs.

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Pneumatic input connection	M5
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	51 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	38 N
Maximum piston speed	500 mm/s
Type of cushioning	Rubber bumper
Maximum stroke reduction per side	5 mm
Minimum piston speed	50 mm/s
Lubrication	Non-lube
Weight	0.240 Kg

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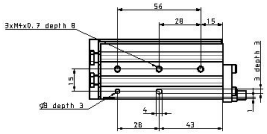
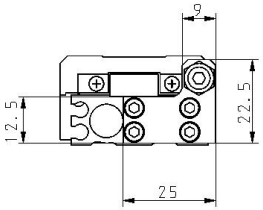
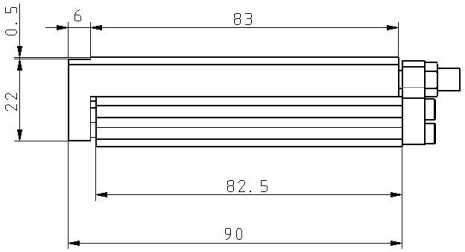
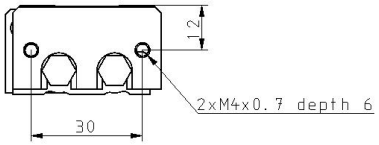
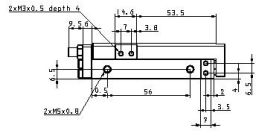
Dimensions

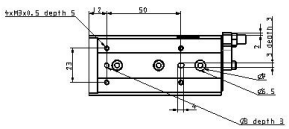












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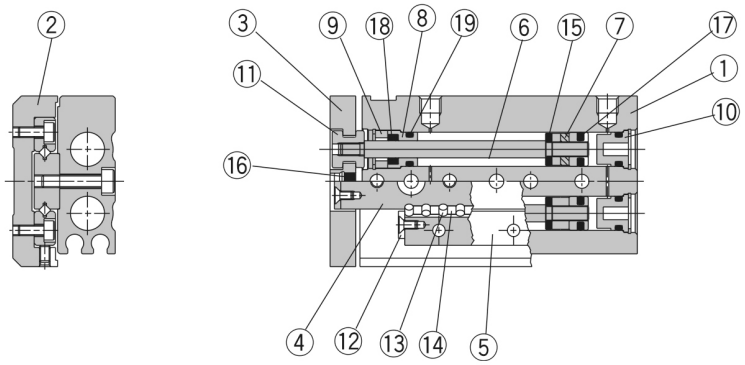
Constructions

Construction



Component Parts

No.	Description	Material	Note
①	Body	Aluminum alloy	Hard anodized
②	Table	Aluminum alloy	Hard anodized
③	End plate	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	
⑪	Floating bushing	Stainless steel	
⑫	Roller stopper	Stainless steel	
⑬	Cylindrical roller	High carbon chrome bearing steel	
⑭	Roller spacer	Resin	
⑮	Rod bumper	Polyurethane	
⑯	End bumper	Polyurethane	
⑰	Piston seal	NBR	
⑱	Rod seal	NBR	
⑲	O-ring	NBR	

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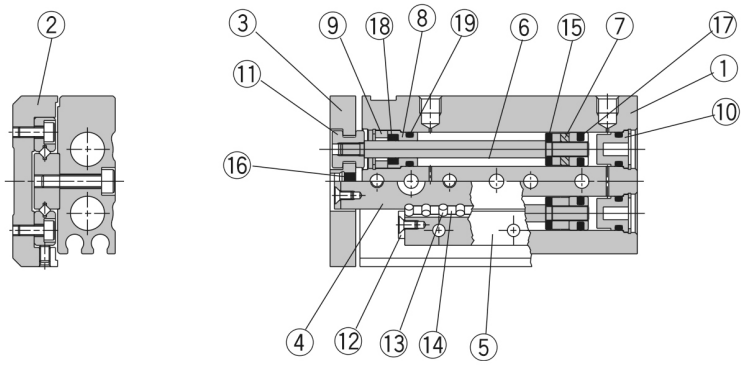

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Additional information

Catalogue MXS_EU.pdf

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