SMC Corporation of America
Product Information

Pneumatic Slide Table
Series MXQ-Z

Re-Inventing the Original



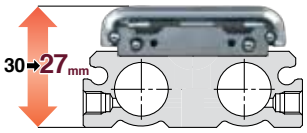
- Stroke adjuster in the center to decrease deflection.
- Various porting options for greater mounting flexibility.
- Ideal for applications requiring closely held parallelism and perpendicular specifications.
- Height and weight reduced.
- Optional end lock version available.
- Three stroke adjuster options available.
- Designed for higher allowable kinetic energy and rigidity.

CE and RoHS Compliant

2 Combinations of the Guide and Cylinder Bore Size Available

Double Ported Type

Increase flexibility of wiring and piping with piping ports and auto switch mounting grooves on both sides.

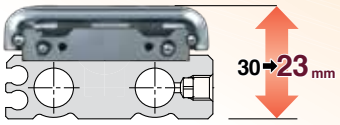


For MXQ12A

Bore size ø12

Low Thrust with High Rigidity Type

Combination with a cylinder of one bore size smaller increases rigidity according to thrust. Possible to reduce in height.



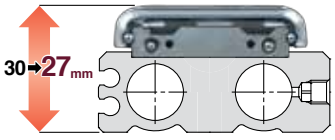
For MXQ8B

Bore size ø8

1 Guide!  4 Bodies!

Single Side Ported Type

Better visibility for auto switches. Indicator LED can be checked from one side when used with short stroke.

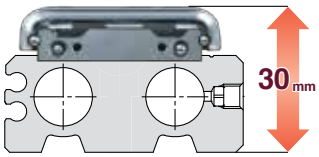


For MXQ12C

Bore size ø12

Height Interchangeable Type

Same height as the previous MXQ series.



For MXQ12

Bore size ø12

Available Functional Options



With buffer mechanism

- Protects work pieces and tools, etc., by eliminating impact at the extension stroke end.
- Buffer unit is auto switch capable.



With end lock

- Holds the cylinder's home position to prevent dropping of the work piece even if the air supply is cut off.

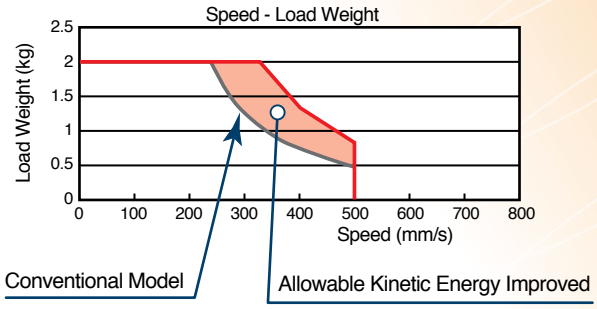


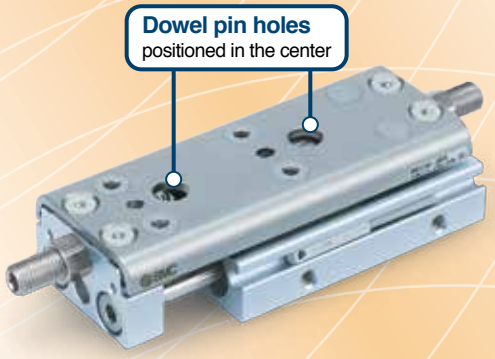
Axial piping

- Centralized piping in axial direction to maintain clear space around the body.

Allowable Kinetic Energy Improved

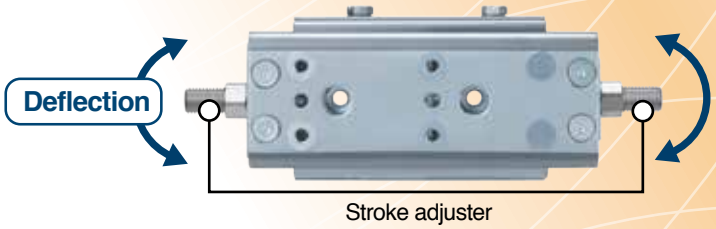
Allowable kinetic energy improved by reducing weight of the movable parts





Stroke Adjuster

Stroke adjuster is positioned in the center.
Play at the stroke end reduced.

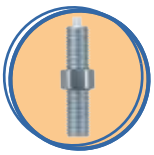


Series Variatons

Bore size (mm)	Series: Double ported type Series MXQ□A	Series: Single side ported type Series MXQ□C – Standard type	Series: Single side ported type Series MXQ□C – Symmetric type	Series: Height Interchangeable type Series MXQ□ – Standard type	Series: Height Interchangeable type Series MXQ□ – Symmetric type	Standard stroke (mm): 10	20	30	40	50	75	100	125	150	Adjuster option	Functional option
6	○			○	○	○	○	○	○	○					Metal stopper with bumper Rubber stopper Shock absorber	With buffer With end lock Axial piping
8	○	○	○	○	○	○	○	○	○	○	○					
12	○	○	○	○	○	○	○	○	○	○	○	○				
16	○			○		○	○	○	○	○	○	○	○			
20	○			○		○	○	○	○	○	○	○	○	○		
25	○			○		○	○	○	○	○	○	○	○	○		

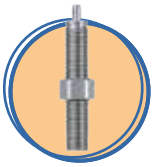
Bore size (mm)	Low thrust with high rigidity type Series MXQ□B – Standard type	Low thrust with high rigidity type Series MXQ□B – Symmetric type	Standard stroke (mm): 10	20	30	40	50	75	100	125	150	Adjuster option
6	○	○	○	○	○	○	○	○				Metal stopper with bumper Rubber stopper Shock absorber
8	○	○	○	○	○	○	○	○	○			
12	○	○	○	○	○	○	○	○	○	○		
16	○		○	○	○	○	○	○	○	○	○	
20	○		○	○	○	○	○	○	○	○	○	

Various Stroke Adjusters (Option)



Metal Stopper with Bumper

High accuracy with the integrated construction of the bumper and metal stopper: Repeated positioning accuracy ±0.05 **or less**
Improved cycle time
Operating speed **300** mm/sec
(Conventional model: 200 mm/sec)
(Compared with a stopper of the conventional **MXQ** series)



Rubber Stopper

Soft type: RJ series
Suitable for operation which requires gentle stop such as a light weight work piece transfer or low speed transfer.



Shock Absorber

Impact reduced by 1/2 compared with the model without stroke adjuster.

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