

Air Slide Table

Double-ported Type

MXQ□A Series

ø6, ø8, ø12, ø16, ø20, ø25

RoHS

How to Order

MXQ **12** **A** - **30** **ZA** **□** - **M9BW** **□** - **□**

1 2 3 4 5 6 7 8

1 Bore size	2 Body option: Double-ported type	3 Standard stroke [mm]
	A	
6	Port Switch mounting groove	10, 20, 30, 40, 50
8	Port Switch mounting groove	10, 20, 30, 40, 50, 75
12	Port Switch mounting groove	10, 20, 30, 40, 50, 75, 100
16	Port Switch mounting groove	10, 20, 30, 40, 50, 75, 100, 125
20	Port Switch mounting groove	10, 20, 30, 40, 50, 75, 100, 125, 150
25	Port Switch mounting groove	10, 20, 30, 40, 50, 75, 100, 125, 150*

* Because piping ports and auto switch grooves are provided on both sides, only the adjuster part of the centralized adjuster is symmetric.

* The operating speed range of the stroke marked with an asterisk (*) is 50 to 300 mm/s. (Refer to page 13.)

5 Functional options

Symbol	Functional option
Nil	Without functional option
1	With buffer
2	With end lock
3	Axial piping
4	With buffer, end lock
5	With buffer, axial piping
6	Centralized adjuster
7	Centralized adjuster (Symmetric)
8	Buffer, Centralized adjuster
9	Buffer, Centralized adjuster (Symmetric)

7 Number of auto switches

Nil	2
S	1
n	n

8 Made to order

For details, refer to the next page.

6 Auto switch

Nil	Without auto switch
------------	---------------------

* For applicable auto switches, refer to the next page.

4 Adjuster options/Functional option combinations

Symbol	Adjuster type*9			Adjuster mounting position*1*8		Functional option combination									
						Nil	1	2	3	4	5	6	7	8	9
				Extension stroke end	Retraction stroke end	Without functional option	*2*3 With buffer	With end lock	*6 Axial piping	*2 With buffer, end lock	*2*6 With Buffer, axial piping	Centralized adjuster	*7 Centralized adjuster (Symmetric)	*2 Buffer, Centralized adjuster	*2*7 Buffer, Centralized adjuster (Symmetric)
Z	Without adjuster					○	○	○	○	○	×	×	×	×	
ZA	Metal stopper with bumper			●	●	○	×	×	○	×	×	○	×	×	
ZB				●		○	×	○	○	×	×	×	×	×	
ZC					●	○	×	×	○	×	×	○	○	○	○
ZD	Rubber stopper			●	●	○	×	×	○	×	×	○	○	○	
ZE				●		○	○	○	○	○	×	×	×	×	
ZF					●	○	×	×	○	×	○	○	○	○	○
ZG	Shock absorber/RJ			●	●	○	×	×	○	×	×	○	×	×	
ZH				●		○	×	○	○	×	×	×	×	×	
ZJ					●	○	×	×	○	×	×	○	○	○	○
ZK	Metal stopper			●	●	○	×	×	○	×	×	○	○	○	
ZL				●		○	○	○	○	○	×	×	×	×	
ZM					●	○	×	×	○	×	×	○	○	○	○
ZN	Shorter total length type*4	Retraction stroke end adjuster	Without adjuster	/		○	○*5	×	○	×	○*5	×	×	×	×
ZP			Rubber stopper		●		○	×	×	○	×	×	×	×	×
ZQ			Shock absorber/RJ		●		○	×	×	○	×	×	×	×	×
ZS			Metal stopper with bumper		●		○	×	×	○	×	×	×	×	×
ZT			Metal stopper		●		○	×	×	○	×	×	×	×	×
ZBF			Metal stopper with bumper		Rubber stopper	●	●	○	×	×	○	×	×	○	○
ZBJ	Shock absorber/RJ	●		●	○	×	×	○	×	×	○	○	×	×	
ZBM	Metal stopper	●		●	○	×	×	○	×	×	○	○	×	×	
ZEC	Rubber stopper	Metal stopper with bumper	●	●	○	×	×	○	×	×	○	○	○	○	
ZEJ		Shock absorber/RJ	●	●	○	×	×	○	×	×	○	○	○	○	
ZEM		Metal stopper	●	●	○	×	×	○	×	×	○	○	○	○	
ZHC	Shock absorber/RJ	Metal stopper with bumper	●	●	○	×	×	○	×	×	○	○	×	×	
ZHF		Rubber stopper	●	●	○	×	×	○	×	×	○	○	×	×	
ZHM		Metal stopper	●	●	○	×	×	○	×	×	○	○	×	×	
ZLC	Metal stopper	Metal stopper with bumper	●	●	○	×	×	○	×	×	○	○	○	○	
ZLF		Rubber stopper	●	●	○	×	×	○	×	×	○	○	○	○	
ZLJ		Shock absorber/RJ	●	●	○	×	×	○	×	×	○	○	○	○	

*1 ●: Shipped together with the product, but not assembled
Without any symbol for the adjuster mounting position: The adjuster can be mounted afterward.

*2 For the buffer mechanism, the buffer stroke will be shorter for the stroke that is adjusted by the extension stroke end adjuster.

*3 If it is necessary to install a retraction stroke end adjuster with a buffer mechanism, use a buffer and centralized adjuster provided with a retraction stroke end adjuster on the rear end of the body. End lock or axial piping options cannot be mounted to centralized adjuster specification models.

*4 Extension stroke end adjuster mounting holes have been removed to reduce the total length of the table.

*5 The shorter total length type can be used, but a retraction stroke end adjuster cannot be mounted afterward.

*6 For axial piping, there are no piping ports on both sides.

*7 Only the centralized adjuster is symmetric.

*8 For details on the adjuster mounting position, refer to the next page.

*9 The metal stopper with bumper option is not available for ø6.

Air Slide Table/Double-ported Type **MXQ□A Series**



Applicable Auto Switches/Refer to the **Web Catalog** for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length [m]				Pre-wired connector	Applicable load			
					DC	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)					
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC	
	Diagnostic indication (2-color indicator)			3-wire (PNP)		12 V		M9PV	M9P	●	●	●	○	○			
				2-wire		5 V, 12 V		M9BV	M9B	●	●	●	○	○			
				3-wire (NPN)		12 V		M9NVW	M9NW	●	●	●	○	○			
				3-wire (PNP)		5 V, 12 V		M9PWV	M9PW	●	●	●	○	○			
				2-wire		12 V		M9BWV	M9BW	●	●	●	○	○			
				3-wire (NPN)		5 V, 12 V		M9NAV*1	M9NA*1	○	○	●	○	○			
	Water resistant (2-color indicator)			3-wire (PNP)		12 V		M9PAV*1	M9PA*1	○	○	●	○	○			
2-wire		12 V	M9BAV*1	M9BA*1	○	○	●	○	○								
Reed auto switch	—	Grommet	Yes	3-wire (Equiv. to NPN)	—	5 V	—	A96V	A96	●	—	●	—	—	IC circuit	—	
				None	2-wire	24 V	12 V	100 V	A93V*2	A93	●	●	●	●	—	—	IC circuit
			100 V or less					A90V	A90	●	—	●	—	—			

*1 Water-resistant type auto switches can be mounted on the above models, but SMC cannot guarantee water resistance.

A water-resistant type cylinder is recommended for use in an environment which requires water resistance.

*2 1 m lead wire is only applicable to the D-A93.

* Lead wire length symbols: 0.5 m Nil (Example) M9NW
1 m M (Example) M9NWM
3 m L (Example) M9NWL
5 m Z (Example) M9NWX

* Solid state auto switches marked with "○" are produced upon receipt of order.

* Since there are applicable auto switches other than those listed above, refer to page 125 for details.

* For details about auto switches with pre-wired connectors, refer to the **Web Catalog**.

* Auto switches are shipped together, but not assembled.



Made to Order

(For details, refer to pages 127 to 156.)

Symbol	Specifications
-X7	PTFE grease
-X9	Grease for food processing equipment
-X11	Long adjustment bolt (10 mm longer adjustment range)
-X12	Long adjustment bolt (20 mm longer adjustment range)
-X28	Long adjustment nut and bolt
-X33	Without built-in auto switch magnet
-X39	Fluororubber seal
-X42	Anti-corrosive guide unit
-X580	Low-speed specification (15 to 50 mm/s)
-X2128	Heat-resistant specification (−10 to 100°C)
-X2192	Dual stroke specification
-X2202	Extension stroke end adjuster fixed from the axial direction

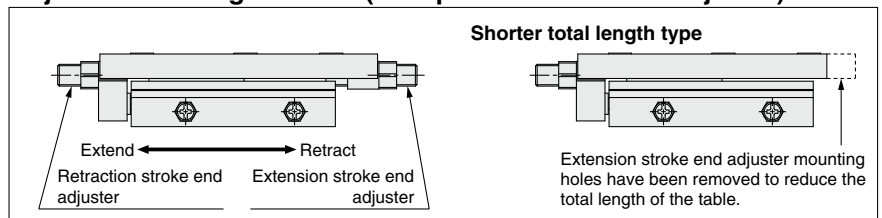
Moisture Control Tube IDK Series



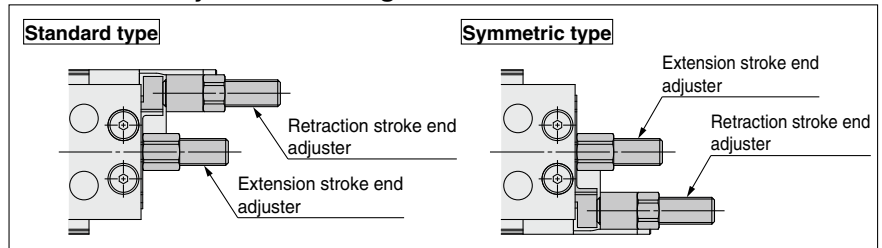
When operating an actuator with a small diameter and a short stroke at a high frequency, dew condensation (water droplets) may occur inside the piping depending on the conditions.

Simply connecting the moisture control tube to the actuator will prevent dew condensation from occurring. For details, refer to the **Web Catalog**.

Adjuster Mounting Position (Exception: Centralized Adjuster)



Centralized Adjuster Mounting Position



Precautions

Be sure to read "Specific Product Precautions" before handling. Refer to page 195.

Double-ported type
MXQ□A

Low thrust with high rigidity type
MXQ□B

Single side-ported type
MXQ□C

Height interchangeable type
MXQ□

Common Adjuster Options

Auto Switch Mounting

Made to Order

Model Selection

Air Slide Table

Low Thrust with High Rigidity Type

MXQ□B Series

ø6, ø8, ø12, ø16, ø20

RoHS

How to Order

MXQ 12 B - 30 ZA - M9BW -

1
2
3
4
5
6
7

① Bore size	② Body option		③ Standard stroke [mm]
	Standard type B	Symmetric type BL	
6			10, 20, 30, 40, 50*, 75*
8			10, 20, 30, 40, 50, 75*, 100*
12			10, 20, 30, 40, 50, 75, 100, 125
16		—*1	10, 20, 30, 40, 50, 75, 100*, 125*, 150*
20			10, 20, 30, 40, 50, 75, 100, 125*, 150*

*1 Not available, as the standard model has piping ports and auto switch mounting grooves on both sides. Please use the standard type.

* The operating speed range of the strokes marked with an asterisk (*) is 50 to 300 mm/s. (Refer to page 55.)

④ Adjuster options

Symbol	Adjuster type*3		Adjuster mounting position*1	
			Extension stroke end	Retraction stroke end
Z	Without adjuster			
ZA	Metal stopper with bumper		●	●
ZB			●	
ZC				●
ZD			●	●
ZE	Rubber stopper		●	
ZF				●
ZG			●	●
ZH			●	
ZJ	Shock absorber/RJ			●
ZK			●	●
ZL			●	
ZM				●
ZN	Shorter total length type*2	Without adjuster		
ZP		Rubber stopper		●
ZQ		Shock absorber/RJ		●
ZS		Metal stopper with bumper		●
ZT		Metal stopper		●
ZBF	Extension stroke end adjuster	Rubber stopper	●	●
ZBJ		Shock absorber/RJ	●	●
ZBM		Metal stopper	●	●
ZEC		Metal stopper with bumper	●	●
ZEJ	Retraction stroke end adjuster	Shock absorber/RJ	●	●
ZEM		Metal stopper	●	●
ZHC		Metal stopper with bumper	●	●
ZHF		Rubber stopper	●	●
ZHM	Extension stroke end adjuster	Metal stopper	●	●
ZLC		Metal stopper with bumper	●	●
ZLF		Rubber stopper	●	●
ZLJ		Shock absorber/RJ	●	●

⑤ Auto switch

Nil Without auto switch

* For applicable auto switches, refer to the next page.

⑥ Number of auto switches

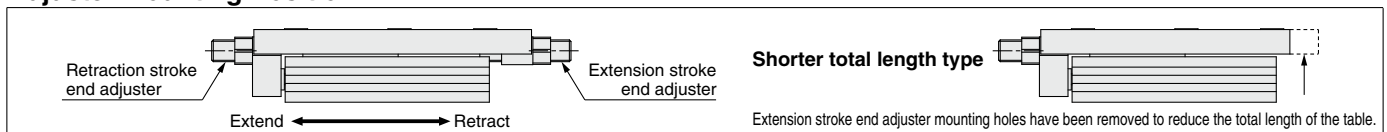
Nil	2
S	1
n	n

⑦ Made to order

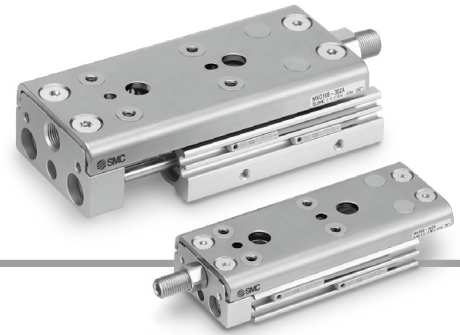
For details, refer to the next page.

- *1 ●: Shipped together with the product, but not assembled
Without any symbol for the adjuster mounting position: The adjuster can be mounted afterward.
- *2 Extension stroke end adjuster mounting holes have been removed to reduce the total length of the table.
- *3 The metal stopper with bumper option is not available for ø6.

Adjuster Mounting Position



Air Slide Table/Low Thrust with High Rigidity Type **MXQ□B Series**



Applicable Auto Switches/Refer to the **Web Catalog** for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length [m]				Pre-wired connector	Applicable load				
					DC		AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)				5 (Z)		
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC		
				3-wire (PNP)		12 V		M9PV	M9P	●	●	●	○	○				
	2-wire			5 V, 12 V		M9BV		M9B	●	●	●	○	○					
	3-wire (NPN)			12 V		M9NWV		M9NW	●	●	●	○	○					
	Diagnostic indication (2-color indicator)			3-wire (PNP)	24 V	5 V, 12 V		M9PWV	M9PW	●	●	●	○	○	IC circuit			
				2-wire		12 V		M9BWV	M9BW	●	●	●	○	○				
	Water resistant (2-color indicator)			3-wire (NPN)		24 V		5 V, 12 V	M9NAV*1	M9NA*1	○	○	●	○			○	IC circuit
				3-wire (PNP)				12 V	M9PAV*1	M9PA*1	○	○	●	○			○	
				2-wire	12 V			M9BAV*1	M9BA*1	○	○	●	○	○				
				2-wire	12 V													
Reed auto switch	—	Grommet	Yes	3-wire (Equiv. to NPN)	—	5 V	—	A96V	A96	●	—	●	—	—	IC circuit	—		
			None	2-wire	24 V	12 V	100 V	A93V*2	A93	●	●	●	●	—	—	Relay,		
							100 V or less	A90V	A90	●	—	●	—	—	—	IC circuit	PLC	

*1 Water-resistant type auto switches can be mounted on the above models, but SMC cannot guarantee water resistance.

A water-resistant type cylinder is recommended for use in an environment which requires water resistance.

*2 1 m lead wire is only applicable to the D-A93.

* Lead wire length symbols: 0.5 mNil (Example) M9NW
1 mM (Example) M9NWM
3 mL (Example) M9NWL
5 mZ (Example) M9NWZ

* Solid state auto switches marked with “○” are produced upon receipt of order.

* Since there are applicable auto switches other than those listed above, refer to page 125 for details.

* For details about auto switches with pre-wired connectors, refer to the **Web Catalog**.

* Auto switches are shipped together, but not assembled.



Made to Order

(For details, refer to pages 127 to 156.)

Symbol	Specifications
-X7	PTFE grease
-X9	Grease for food processing equipment
-X11	Long adjustment bolt (10 mm longer adjustment range)
-X12	Long adjustment bolt (20 mm longer adjustment range)
-X28	Long adjustment nut and bolt
-X33	Without built-in auto switch magnet
-X39	Fluororubber seal
-X42	Anti-corrosive guide unit
-X580	Low-speed specification (15 to 50 mm/s)
-X2128	Heat-resistant specification (−10 to 100°C)
-X2202	Extension stroke end adjuster fixed from the axial direction

Moisture Control Tube IDK Series



When operating an actuator with a small diameter and a short stroke at a high frequency, dew condensation (water droplets) may occur inside the piping depending on the conditions.

Simply connecting the moisture control tube to the actuator will prevent dew condensation from occurring. For details, refer to the **Web Catalog**.



Precautions

Be sure to read “Specific Product Precautions” before handling. Refer to page 195.

Double-ported type
MXQ□A

Low thrust with high rigidity type
MXQ□B

Single side-ported type
MXQ□C

Height interchangeable type
MXQ□

Common Adjuster Options

Auto Switch Mounting

Made to Order

Model Selection

Air Slide Table

Single Side-ported Type

MXQ□C Series

ø8, ø12

RoHS

How to Order

MXQ **12** **C** - **30** **ZA** **□** - **M9BW** **□** - **□**

1 2 3 4 5 6 7 8

1 Bore size	2 Body option		3 Standard stroke [mm]
	Standard type C	Symmetric type CL	
8			10, 20, 30, 40, 50, 75
12			10, 20, 30, 40, 50, 75, 100

5 Functional options

Symbol	Functional option	2 Body option	
		Standard type C	Symmetric type CL
Nil	Without functional option		○
1	With buffer		○
2	With end lock		○
3	Axial piping		○
4	With buffer, end lock		○
5	With buffer, axial piping		○
6	Centralized adjuster	○	×
7	Centralized adjuster (Symmetric)	×	○
8	Buffer, Centralized adjuster	○	×
9	Buffer, Centralized adjuster (Symmetric)	×	○

6 Auto switch

Nil	Without auto switch
-----	---------------------

* For applicable auto switches, refer to the next page.

7 Number of auto switches

Nil	2
S	1
n	n

8 Made to order

For details, refer to the next page.

4 Adjuster options/Functional option combinations

Symbol	Adjuster type		Adjuster mounting position*1*6		Functional option combination									
					Nil	1	2	3	4	5	6	7	8	9
					Without functional option	*2*3 With buffer	With end lock	Axial piping	With buffer, end lock	With buffer, axial piping	*7 Centralized adjuster	*8 Centralized adjuster (Symmetric)	*2*7 Buffer, Centralized adjuster	*2*8 Buffer, Centralized adjuster (Symmetric)
Z	Without adjuster				○	○	○	○	○	○	×	×	×	×
ZA			●	●	○	×	×	○	×	×	○	○	×	×
ZB	Metal stopper with bumper		●		○	×	○	○	×	×	×	×	×	×
ZC				●	○	×	×	○	×	×	○	○	○	○
ZD			●	●	○	×	×	○	×	×	○	○	○	○
ZE	Rubber stopper		●		○	○	○	○	○	○	×	×	×	×
ZF				●	○	×	×	○	×	×	○	○	○	○
ZG			●	●	○	×	×	○	×	×	○	○	×	×
ZH	Shock absorber/RJ		●		○	×	○	○	×	×	×	×	×	×
ZJ				●	○	×	×	○	×	×	○	○	○	○
ZK			●	●	○	×	×	○	×	×	○	○	○	○
ZL	Metal stopper		●		○	○	○	○	○	○	×	×	×	×
ZM				●	○	×	×	○	×	×	○	○	○	○
ZN	Shorter overall length type*4	Without adjuster			○	○*5	×	○	×	○*5	×	×	×	×
ZP		Rubber stopper		●	○	×	×	○	×	×	×	×	×	×
ZQ		Shock absorber/RJ		●	○	×	×	○	×	×	×	×	×	×
ZS		Metal stopper with bumper		●	○	×	×	○	×	×	×	×	×	×
ZT		Metal stopper		●	○	×	×	○	×	×	×	×	×	×
ZBF	Metal stopper with bumper	Rubber stopper	●	●	○	×	×	○	×	×	○	○	×	×
ZBJ		Shock absorber/RJ	●	●	○	×	×	○	×	×	○	○	×	×
ZBM		Metal stopper	●	●	○	×	×	○	×	×	○	○	×	×
ZEC		Metal stopper with bumper	●	●	○	×	×	○	×	×	○	○	○	○
ZEJ	Rubber stopper	Shock absorber/RJ	●	●	○	×	×	○	×	×	○	○	○	○
ZEM		Metal stopper	●	●	○	×	×	○	×	×	○	○	○	○
ZHC		Metal stopper with bumper	●	●	○	×	×	○	×	×	○	○	×	×
ZHF		Rubber stopper	●	●	○	×	×	○	×	×	○	○	×	×
ZHM	Shock absorber/RJ	Metal stopper	●	●	○	×	×	○	×	×	○	○	×	×
ZLC		Metal stopper with bumper	●	●	○	×	×	○	×	×	○	○	○	○
ZLF		Rubber stopper	●	●	○	×	×	○	×	×	○	○	○	○
ZLJ		Shock absorber/RJ	●	●	○	×	×	○	×	×	○	○	○	○

*1 ●: Shipped together with the product, but not assembled

Without any symbol for the adjuster mounting position: The adjuster can be mounted afterward.

*2 For the buffer mechanism, the buffer stroke will be shorter for the stroke that is adjusted by the extension stroke end adjuster.

*3 If it is necessary to install a retraction stroke end adjuster with a buffer mechanism, use a buffer and centralized adjuster provided with a retraction stroke end adjuster on the rear end of the body. End lock or axial piping options cannot be mounted to centralized adjuster specification models.

*4 Extension stroke end adjuster mounting holes have been removed to reduce the total length of the table.

*5 The shorter total length type can be used, but a retraction stroke end adjuster cannot be mounted afterward.

*6 For details on the adjuster mounting position, refer to the next page.

*7 Not applicable to the symmetric type

*8 Not applicable to the standard type

Air Slide Table/Single Side-ported Type **MXQ□C Series**



Applicable Auto Switches/Refer to the **Web Catalog** for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length [m]				Pre-wired connector	Applicable load		
					DC	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)				
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC
	3-wire (PNP)			M9PV				M9P	●	●	●	○	○			
	2-wire			M9BV				M9B	●	●	●	○	○			
	Diagnostic indication (2-color indicator)			3-wire (NPN)	24 V	5 V, 12 V		M9NWV	M9NW	●	●	●	○	○	IC circuit	
				3-wire (PNP)				M9PWV	M9PW	●	●	●	○	○		
				2-wire				M9BWV	M9BW	●	●	●	○	○		
	Water resistant (2-color indicator)			3-wire (NPN)	24 V	5 V, 12 V		M9NAV*1	M9NA*1	○	○	●	○	○	IC circuit	
				3-wire (PNP)				M9PAV*1	M9PA*1	○	○	●	○	○		
				2-wire				M9BAV*1	M9BA*1	○	○	●	○	○		
Reed auto switch	—	Grommet	Yes	3-wire (Equiv. to NPN)	—	5 V	—	A96V	A96	●	—	●	—	—	IC circuit	—
				None	2-wire	24 V	12 V	100 V	A93V*2	A93	●	●	●	●	—	—
									100 V or less	A90V	A90	●	—	●	—	—

*1 Water-resistant type auto switches can be mounted on the above models, but SMC cannot guarantee water resistance.

A water-resistant type cylinder is recommended for use in an environment which requires water resistance.

*2 1 m lead wire is only applicable to the D-A93.

* Lead wire length symbols: 0.5 m Nil (Example) M9NW
1 m M (Example) M9NWM
3 m L (Example) M9NWL
5 m Z (Example) M9NWZ

* Solid state auto switches marked with "○" are produced upon receipt of order.

* Since there are applicable auto switches other than those listed above, refer to page 125 for details.

* For details about auto switches with pre-wired connectors, refer to the **Web Catalog**.

* Auto switches are shipped together, but not assembled.



Made to Order

(For details, refer to pages 127 to 156.)

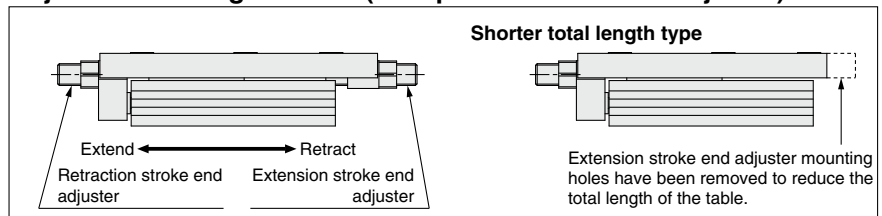
Symbol	Specifications
-X7	PTFE grease
-X9	Grease for food processing equipment
-X11	Long adjustment bolt (10 mm longer adjustment range)
-X12	Long adjustment bolt (20 mm longer adjustment range)
-X28	Long adjustment nut and bolt
-X33	Without built-in auto switch magnet
-X39	Fluororubber seal
-X42	Anti-corrosive guide unit
-X580	Low-speed specification (15 to 50 mm/s)
-X2128	Heat-resistant specification (−10 to 100°C)
-X2202	Extension stroke end adjuster fixed from the axial direction

Moisture Control Tube IDK Series

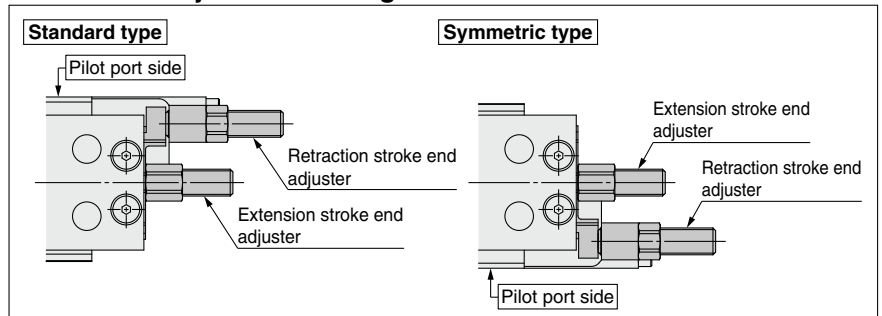


When operating an actuator with a small diameter and a short stroke at a high frequency, dew condensation (water droplets) may occur inside the piping depending on the conditions. Simply connecting the moisture control tube to the actuator will prevent dew condensation from occurring. For details, refer to the **Web Catalog**.

Adjuster Mounting Position (Exception: Centralized Adjuster)



Centralized Adjuster Mounting Position



⚠ Precautions

Be sure to read "Specific Product Precautions" before handling. Refer to page 195.

Double-ported type
MXQ□A

Low thrust with high rigidity type
MXQ□B

Single side-ported type
MXQ□C

Height interchangeable type
MXQ□

Common Adjuster Options

Auto Switch Mounting

Made to Order

Model Selection

Air Slide Table Height Interchangeable Type

MXQ Series

ø6, ø8, ø12, ø16, ø20, ø25

RoHS

How to Order

MXQ **12** **30** **ZA** **M9BW**

1 2 3 4 5 6 7 8

1 Bore size	2 Body option		3 Standard stroke [mm]
	Standard type	Symmetric type	
6	Nil	L	10, 20, 30, 40, 50
8			10, 20, 30, 40, 50, 75
12			10, 20, 30, 40, 50, 75, 100
16			10, 20, 30, 40, 50, 75, 100, 125
20		—*1	10, 20, 30, 40, 50, 75, 100, 125, 150
25			10, 20, 30, 40, 50, 75, 100, 125, 150*

*1 Not available, as the standard model has piping ports and auto switch mounting grooves on both sides. Please use the standard type. Only the adjuster part of the centralized adjuster is symmetric.

* The operating speed range of the stroke marked with an asterisk (*) is 50 to 300 mm/s. (Refer to page 85.)

5 Functional options

Symbol	Functional option	2 Body option			
		Bore size			
		6, 8, 12	16, 20, 25		
		Standard type	Symmetric type	Standard type	
		Nil	L	Nil	
Nil	Without functional option				○
1	With buffer				○
2	With end lock				○
3	Axial piping				○
4	With buffer, end lock				○
5	With buffer, axial piping				○
6	Centralized adjuster	○	×		○
7	Centralized adjuster (Symmetric)	×	○		○
8	Buffer, Centralized adjuster	○	×		○
9	Buffer, Centralized adjuster (Symmetric)	×	○		○

6 Auto switch

Nil Without auto switch

* For applicable auto switches, refer to the next page.

7 Number of auto switches

Nil	2
S	1
n	n

8 Made to order

For details, refer to the next page.

4 Adjuster options/Functional option combinations

Symbol	Adjuster type*9		Adjuster mounting position*1*8		Functional option combination										
					Nil	1	2	3	4	5	6	7	8	9	
			Extension stroke end	Retraction stroke end	Without functional option	*2*3 With buffer	With end lock	*6 Axial piping	*2 With buffer, end lock	*2*6 With buffer, axial piping	*10 Centralized adjuster	*7*11 Centralized adjuster (Symmetric)	*2*10 Buffer, Centralized adjuster	*2*7*11 Buffer, Centralized adjuster (Symmetric)	
Z	Without adjuster				○	○	○	○	○	○	×	×	×	×	
ZA	Metal stopper with bumper		●	●	○	×	×	○	×	×	×	○	×	×	
ZB			●		○	×	○	○	×	×	×	×	×	×	
ZC				●	○	×	×	○	×	×	○	○	○	○	
ZD	Rubber stopper		●	●	○	×	×	○	×	×	○	○	○	○	
ZE			●		○	○	○	○	○	×	×	×	×		
ZF				●	○	×	×	○	×	×	○	○	○	○	
ZG	Shock absorber/RJ		●	●	○	×	×	○	×	×	○	○	×	×	
ZH			●		○	×	○	○	×	×	×	×	×		
ZJ				●	○	×	×	○	×	×	○	○	○	○	
ZK	Metal stopper		●	●	○	×	×	○	×	×	○	○	○	○	
ZL			●		○	○	○	○	○	×	×	×	×		
ZM				●	○	×	×	○	×	×	○	○	○	○	
ZN	Shorter total length type*4	Retraction stroke end adjuster	Without adjuster		○	○*5	×	○	×	○	*5	×	×	×	×
ZP				Rubber stopper	●	○	×	×	○	×	×	×	×	×	×
ZQ				Shock absorber/RJ	●	○	×	×	○	×	×	×	×	×	×
ZS				Metal stopper with bumper	●	○	×	×	○	×	×	×	×	×	×
ZT				Metal stopper	●	○	×	×	○	×	×	×	×	×	×
ZBF	Extension stroke end adjuster	Metal stopper with bumper	Rubber stopper	●	●	○	×	×	○	×	×	○	○	×	×
ZBJ			Shock absorber/RJ	●	●	○	×	×	○	×	×	○	○	×	×
ZBM			Metal stopper	●	●	○	×	×	○	×	×	○	○	×	×
ZEC		Rubber stopper	Metal stopper with bumper	●	●	○	×	×	○	×	×	○	○	○	○
ZEJ			Shock absorber/RJ	●	●	○	×	×	○	×	×	○	○	○	○
ZEM			Metal stopper	●	●	○	×	×	○	×	×	○	○	○	○
ZHC		Shock absorber/RJ	Metal stopper with bumper	●	●	○	×	×	○	×	×	○	○	×	×
ZHF			Rubber stopper	●	●	○	×	×	○	×	×	○	○	×	×
ZHM			Metal stopper	●	●	○	×	×	○	×	×	○	○	×	×
ZLC		Metal stopper	Metal stopper with bumper	●	●	○	×	×	○	×	×	○	○	○	○
ZLF			Rubber stopper	●	●	○	×	×	○	×	×	○	○	○	○
ZLJ			Shock absorber/RJ	●	●	○	×	×	○	×	×	○	○	○	○

*1 ●: Shipped together with the product, but not assembled

*2 Without any symbol for the adjuster mounting position: The adjuster can be mounted afterward.

*3 For the buffer mechanism, the buffer stroke will be shorter for the stroke that is adjusted by the extension stroke end adjuster.

*4 If it is necessary to install a retraction stroke end adjuster with a buffer mechanism, use a buffer and centralized adjuster provided with a retraction stroke end adjuster on the rear end of the body. End lock or axial piping options cannot be mounted to centralized adjuster specification models.

*5 Extension stroke end adjuster mounting holes have been removed to reduce the total length of the table.

*6 The shorter total length type can be used, but a retraction stroke end adjuster cannot be mounted afterward.

*7 For axial piping, there is no piping port on the side.

*8 For ø16 to ø25, only the centralized adjuster is symmetric.

*9 For details on the adjuster mounting position, refer to the next page.

*10 The metal stopper with bumper option is not available for ø6.

*11 Not applicable to the symmetric type

*12 Not applicable to the standard type

Air Slide Table/Height Interchangeable Type **MXQ Series**



Applicable Auto Switches/Refer to the **Web Catalog** for further information on auto switches.

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length [m]				Pre-wired connector	Applicable load			
					DC	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)					
Solid state auto switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC	
	Diagnostic indication (2-color indicator)			3-wire (PNP)		5 V, 12 V		M9PV	M9P	●	●	●	○	○			
				2-wire				12 V	M9BV	M9B	●	●	●	○			○
				3-wire (NPN)					M9NVW	M9NW	●	●	●	○			○
				Water resistant (2-color indicator)	3-wire (PNP)			5 V, 12 V	M9PWV	M9PW	●	●	●	○	○		IC circuit
	2-wire				12 V	M9BWW			M9BW	●	●	●	○	○			
	3-wire (NPN)					M9NAV*1			M9NA*1	○	○	●	○	○			
	3-wire (PNP)				M9PAV*1	M9PA*1			○	○	●	○	○				
2-wire	12 V	M9BAV*1	M9BA*1	○	○	●	○	○									
Reed auto switch	—	Grommet	Yes	3-wire (Equiv. to NPN)	—	5 V	—	A96V	A96	●	—	●	—	—	IC circuit	—	
				None	2-wire	24 V	12 V	100 V	A93V*2	A93	●	●	●	●	—	—	Relay, PLC
			100 V or less					A90V	A90	●	—	●	—	—	IC circuit		

*1 Water-resistant type auto switches can be mounted on the above models, but SMC cannot guarantee water resistance. A water-resistant type cylinder is recommended for use in an environment which requires water resistance.

*2 1 m lead wire is only applicable to the D-A93.

* Lead wire length symbols: 0.5 m Nil (Example) M9NW
1 m M (Example) M9NWM
3 m L (Example) M9NWL
5 m Z (Example) M9NWZ

* Solid state auto switches marked with "○" are produced upon receipt of order.

* Since there are applicable auto switches other than those listed above, refer to page 125 for details.

* For details about auto switches with pre-wired connectors, refer to the **Web Catalog**.

* Auto switches are shipped together, but not assembled.



Made to Order

(For details, refer to pages 127 to 156.)

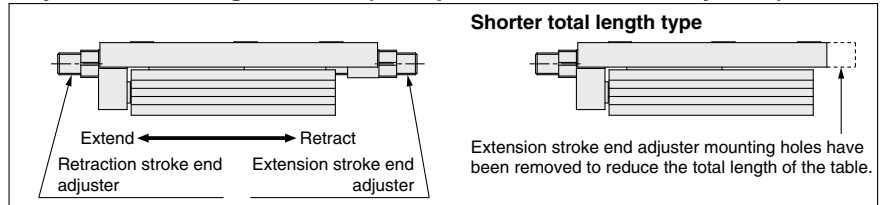
Symbol	Specifications
-X7	PTFE grease
-X9	Grease for food processing equipment
-X11	Long adjustment bolt (10 mm longer adjustment range)
-X12	Long adjustment bolt (20 mm longer adjustment range)
-X28	Long adjustment nut and bolt
-X33	Without built-in auto switch magnet
-X39	Fluororubber seal
-X42	Anti-corrosive guide unit
-X580	Low-speed specification (15 to 50 mm/s)
-X2100	End plate compatible with the current MXQ series
-X2128	Heat-resistant specification (−10 to 100°)
-X2200	Side adjuster specification
-X2201	Combined use of shock absorber + metal stopper
-X2202	Extension stroke end adjuster fixed from the axial direction

Moisture Control Tube IDK Series

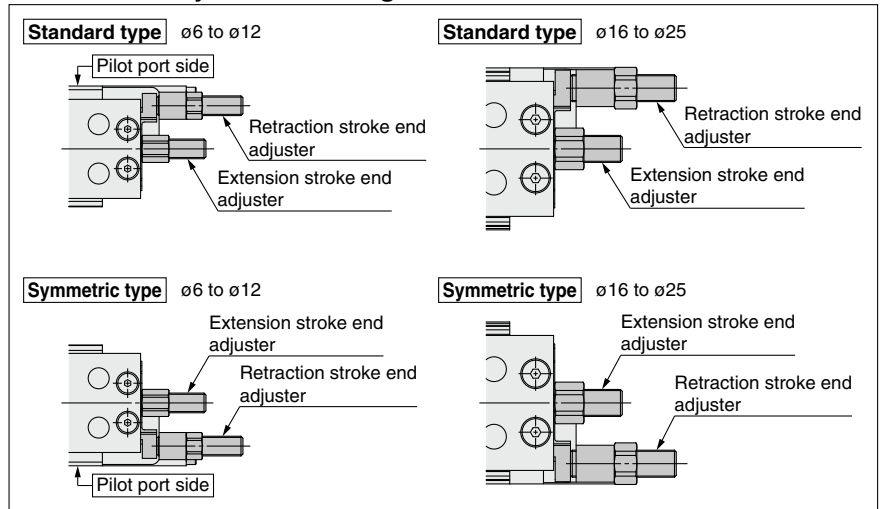
When operating an actuator with a small diameter and a short stroke at a high frequency, dew condensation (water droplets) may occur inside the piping depending on the conditions.

Simply connecting the moisture control tube to the actuator will prevent dew condensation from occurring. For details, refer to the **Web Catalog**.

Adjuster Mounting Position (Exception: Centralized Adjuster)



Centralized Adjuster Mounting Position



⚠ Precautions

Be sure to read "Specific Product Precautions" before handling. Refer to page 195.

Double-ported type
MXQ□A

Low thrust with high rigidity type
MXQ□B

Single side-ported type
MXQ□C

Height interchangeable type
MXQ□

Common Adjuster Options

Auto Switch Mounting

Made to Order

Model Selection