

# Air Slide Table

## Series MXJ

ø4, ø6, ø8

### How to Order

**MXJ 6** [ ] - **10** [ ] [ ] [ ] - **M9BW** [ ] - [ ]

• **Symmetric type**

Nil	Standard
L	Symmetric

• **Adjuster option**

Nil	Without adjuster
CS	Metal stopper on extension end
CT	Metal stopper on retraction end
C	Metal stopper on both ends

• **Number of auto switches**

Nil	2 pcs.
S	1 pc.
n	"n" pcs.

• **Mode to Order**  
Refer to page 174 for details.

• **Auto switch**

Nil	Without auto switch (Built-in magnet)
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\* For the applicable auto switch models, refer to the table below.

• **Bore size (Standard stroke (mm))**

Symbol	Bore size	Stroke
4	4.5	5, 10
6	6	5, 10, 15
8	8	5, 10, 15, 20

• **Functional option**

Nil	Without option
P	Axial piping type

• **Switch rail**

Nil	With magnet and switch rail
N	Without magnet and switch rail

Note) Use an optional stepped positioning pin (see page 175) because the positioning pin hole of this product goes through.

**Applicable Auto Switches** Refer to pages 1719 through to 1827 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	Electrical entry direction		0.5 (Nil)	1 (M)	3 (L)	5 (Z)				
							Perpendicular	In-line								
Solid state 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	●	●	●	○	○		
				3-wire (NPN)				F8N	—	●	—	●	○	—		IC circuit
				3-wire (PNP)				F8P		●	—	●	○			
				2-wire				F8B	●	—	●	○	—	—		
				3-wire (NPN)				M9NWV	M9NW	●	●	●	○	○		IC circuit
				3-wire (PNP)				M9PWV	M9PW	●	●	●	○	○		IC circuit
				2-wire				M9BWV	M9BW	●	●	●	○	○		—
				Reed switch				—	Grommet	Yes	3-wire (NPN equivalent)	24 V	5 V 12 V 100 V or less	—		A96V
2-wire	A93V	A93	●		—	●	—				—				IC circuit	
	A90V	A90	●		—	●	—				—				IC circuit	

\* 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.

\* Refer to page 185 for applicable auto switches in addition to those listed above.  
\* For details on auto switches with a pre-wired connector, refer to page 1784 and 1785.  
\* Auto switches are shipped together (not assembled).

**⚠ Caution**  
When an auto switch is not mounted properly, it can cause a malfunction. Refer to page 185 "Auto Switch Mounting".

### Clean Series

**11 - MXJ** [ ] **Standard model no.**

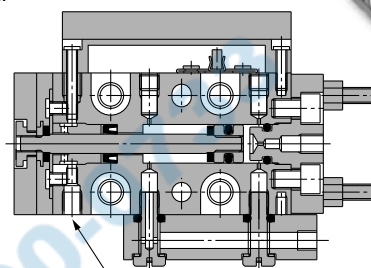
• **Clean Series**

**11: Vacuum type** \* External dimensions are identical to the standard model.

### Model

Model	Adjuster option	Grade	Intake flow l/min (ANR)*
11-MXJ4(L)	Without adjuster	Grade 3 (Class 100 or equivalent)	1
	Metal stopper	Grade 4 (Class 1000 or equivalent)	
11-MXJ6(L)	Without adjuster	Grade 3 (Class 100 or equivalent)	
	Metal stopper	Grade 4 (Class 1000 or equivalent)	
11-MXJ8(L)	Without adjuster	Grade 3 (Class 100 or equivalent)	
	Metal stopper	Grade 4 (Class 1000 or equivalent)	

\* Reference value



Vacuum port

Intensive vacuum suction prevents the particles from discharging inside a clean room.



- MXH
- MXU
- MXS
- MXQ
- MXF
- MXW
- MXJ
- MXP
- MXY
- MTS

D-□

-X□

Individual  
-X□

# Series MXJ



**Made to Order**  
(Refer to page 1982 for details.)

Symbol	Specifications
-X39	Fluororubber seals
-X42	Anti-corrosive guide unit
-X45	EPDM seals

## Specifications

Model	MXJ4	MXJ6	MXJ8
Bore size (mm)	4.5	6	8
Piping port size	M3 x 0.5		
Fluid	Air		
Action	Double acting		
Operating pressure	0.15 to 0.7 MPa		
Proof pressure	1.05 MPa		
Ambient and fluid temperature	-10 to 60°C		
Operating speed range	50 to 500 mm/s (Metal stopper: 50 to 200 mm/s)		
Cushion	Rubber bumper (Metal stopper: Without cushion)		
Lubrication	Non-lube		
Stroke adjuster	Standard equipment		
Stroke adjusting range (metal stopper)	Both ends each 0 to 5 mm		
Auto switch	Reed auto switch (2-wire, 3-wire) Solid state auto switch (2-wire, 3-wire) 2-color indication solid state auto switch (2-wire, 3-wire)		
Stroke length tolerance	+1 0 mm		

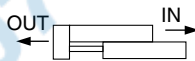
## Standard Stroke

Model	Standard stroke (mm)
MXJ4	5, 10
MXJ6	5, 10, 15
MXJ8	5, 10, 15, 20

## Option

Adjuster option	Metal stopper	Extension end (CS)	Stroke adjustment range 0 to 5 mm
		Retraction end (CT)	
		Both ends (C)	
Functional option	Axial piping type (P)	Stroke adjuster is mountable on the axial piping.	

## Theoretical Output



Model	Bore size (mm)	Rod size (mm)	Operating direction	Piston area (mm <sup>2</sup> )	Operating pressure (MPa)					
					0.2	0.3	0.4	0.5	0.6	0.7
MXJ4	4.5	2	OUT	16	3	5	6	8	10	11
			IN	13	3	4	5	6	8	9
MXJ6	6	3	OUT	28	6	8	11	14	17	20
			IN	21	4	6	8	11	13	15
MXJ8	8	4	OUT	50	10	15	20	25	30	35
			IN	38	8	11	15	19	23	26

Note) Theoretical output (N) = Pressure (MPa) x Piston area (mm<sup>2</sup>)