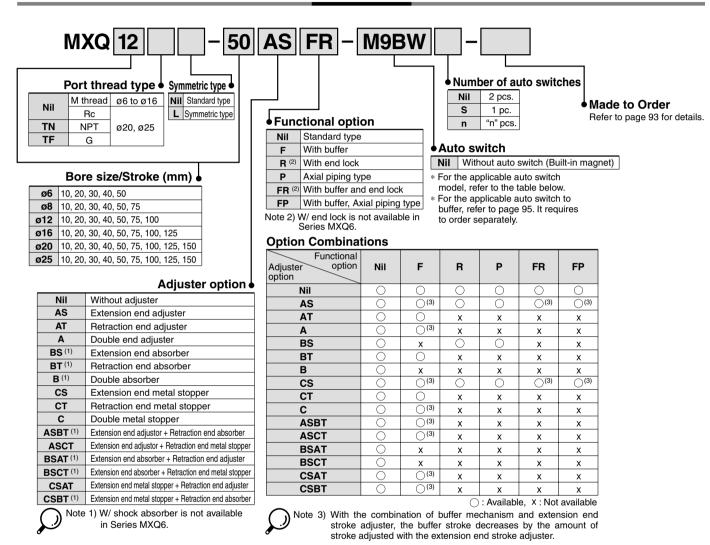
Air Slide Table Series MXQ ø6, ø8, ø12, ø16, ø20, ø25

How to Order



Applicable Auto Switch/Refer to pages 1719 to 1827 for the detailed specifications of auto switches.

			ight	VAC:i	L	oad volta	ge	Auto swite	ch model	Lead	wire I	ength	n (m)		A !!			
Type	Special function	Electrical entry	ndicator light	Wiring (Output)	D	С	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5	Pre-wired connector	Applio loa			
 بي			_	3-wire (NPN)		5 V 10 V		M9NV	M9N	•	•	•	0	0	IC circuit			
switch				3-wire (PNP)	24 V 12 V	5 V,12 V		M9PV	M9P	•	•	•	0	0	IC circuit			
		Grommet	SS	2-wire		04.1/	24.1/	12 V		M9BV	M9B	•	•	•	0	0	_	Relay,
state		Grommet	ě	3-wire (NPN)		5 V,12 V	_	M9NWV	M9NW		•	•	0	0	IC circuit	PLC		
Solid	Diagnostic indication (2-color indication)			3-wire (PNP)				M9PWV	M9PW		•	•	0	0	IC Circuit			
Š	(2-color indication)			2-wire		12 V		M9BWV	M9BW			•	0	0	_			
switch			Yes	3-wire (NPN equivalent)	_	5 V	_	A96V	A96	•	_	•	_	_	IC circuit	_		
Reed 8	Grommet /	2-wire	24 V	12 V	100 V	A93V	A93	•	_	•	_	_	_	Relay,				
Re			9	∠-wire	24 V 12 V	4 V 12 V	12 V	100 V or less	A90V	A90		_	•	_		IC circuit	PLC	

^{*} Lead wire length symbols: 0.5 m Nil (Example) M9NW

5 m Z

1 m M (Example) M9NWM 3 m L (Example) M9NWL (Example) M9NWZ



^{*} Solid state auto switches marked with "O" are produced upon receipt

^{*} Since there are other applicable auto switches than listed, refer to page 128 for details.

^{*} For details about auto switches with pre-wired connector, refer to pages 1784 and 1785.

^{*} Auto switches are shipped together (not assembled).

Air Slide Table Series MXQ



Made to Order Specifications (For details, refer to pages 1955 to 2021.)

Symbol	Specifications
-X7	PTFE grease
-X9	Grease for food
-X11	Adjusting bolt, long specification (Adjustment range: 15 mm)
-X12	Adjusting bolt, long specification (Adjustment range: 25 mm)
-X16	Heat treated metal stopper bolt (Adjustment range: 5 mm)
-X17	Heat treated metal stopper bolt (Adjustment range: 15 mm)
-X18	Heat treated metal stopper bolt (Adjustment range: 25 mm)
-X33	Without built-in auto switch magnet
-X39	Fluororubber seals
-X42	Anti-corrosive specifications for guide section
-X45	EPDM seals

For clean room specifications, refer to "Pneumatic Clean Series" catalog.

Specifications

Bore size (mm)	6	8	6 8 12 16 20 2					
Piping port size	M5 x 0.8 Rc 1/8, NPT 1/8, G 1/8							
Fluid	Air							
Action			Double	e acting				
Operating pressure			0.15 to	0.7 MPa				
Proof pressure			1.05	MPa				
Ambient and fluid temperature			–10 to	o 60°C				
Piston speed	50 to 500 mm/s (Adjuster option/Metal stopper: 50 to 200 mm/s)							
Cushion		k absorbe	r (Adjuste		on/Rubber hock abso stopper)	,		
Lubrication			Non	-lube				
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)					, 3-wire)			
Stroke length tolerance	+1 mm							

Option

		Extension end (AS)	Ctroka adjustment
	Rubber stopper	Retraction end (AT)	Stroke adjustment range 0 to 5 mm
		Both ends (A)	range e te e min
		Extension end (BS)	W/ shock absorber
Adjuster option	Shock absorber	Retraction end (BT)	is not available in
		Both ends (B)	Series MXQ6.
		Extension end (CS)	
	Metal stopper	Retraction end (CT)	Stroke adjustment range 0 to 5 mm
		Both ends (C)	Tange o to 5 min
	With bu	W/ end lock is not	
Functional option	With en	available in Series	
	Axial pi	MXQ6.	



 $[\]ast$ For details of adjuster and functional option, refer to pages 94 and 95 in "Option Specifications".

Standard Stroke

Model	Standard stroke (mm)
MXQ 6	10, 20, 30, 40, 50
MXQ 8	10, 20, 30, 40, 50, 75
MXQ12	10, 20, 30, 40, 50, 75, 100
MXQ16	10, 20, 30, 40, 50, 75, 100, 125
MXQ20	10, 20, 30, 40, 50, 75, 100, 125, 150
MXQ25	10, 20, 30, 40, 50, 75, 100, 125, 150

D-□

MXH

MXU

MXS

MXQ

MXF

MXW

MXJ

MXP

MXY

MTS

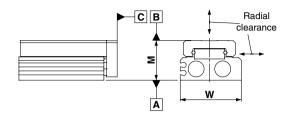
-X□

Individual -X□



Air Slide Table Series MXQ

Table Accuracy



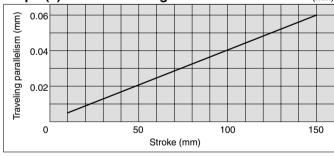
Model	MXQ6	MXQ8	MXQ12	MXQ16	MXQ20	MXQ25
B side parallelism to A side	Refer to Table (1).					
B side traveling parallelism to A side	Refer to Graph (1).					
C side perpendicularity to A side	0.05 mm					
M dimension tolerance		±0.	.08 mm (±0.1 mm) *1	
W dimension tolerance	±0.1 mm					
Radial internal clearance (µm)	–4 to 0	–4 to 0	-6 to 0	–10 to 0	–12 to 0	–14 to 0

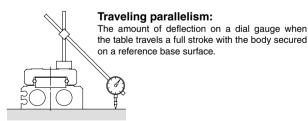
^{*1) ±0.1} mm for 75 mm or longer stroke

Table (1) B Side Parallelism to A Side

Maralal		Stroke (mm)												
Model	10	20	30	40	50	75	100	125	150					
MXQ 6	0.025	0.03	0.035	0.04	0.045	_	_	_	_					
MXQ 8	0.025	0.03	0.035	0.04	0.055	0.065	_	_	_					
MXQ12	0.03	0.03	0.035	0.04	0.045	0.065	0.075	_	_					
MXQ16	0.035	0.035	0.04	0.045	0.05	0.065	0.08	0.095	_					
MXQ20	0.04	0.04	0.04	0.045	0.055	0.07	0.095	0.105	0.125					
MXQ25	0.045	0.045	0.045	0.05	0.06	0.07	0.09	0.115	0.125					

Graph (1) B Side Traveling Parallelism to A Side (mm)





Shock Absorber Specifications

Shock absorbe	Shock absorber model		RB0806	RB1007	RB1411	RB1412			
Applicable sli	Applicable slide table		MXQ12	MXQ16	MXQ20	MXQ25			
Max. energy abs	orption (J)	0.98	2.94	5.88	14.7	19.6			
Stroke absorpt	tion (mm)	5	6	7	11	12			
Max. collision sp	eed (mm/s)		50 to 500						
Max. operating frequer	Max. operating frequency (cycle/min)		80	70	45	45			
Max. allowable	thrust (N)	245	245	422	814	814			
Ambient temperatur	re range (°C)	-10 to 60							
Spring	Extended	1.96	1.96	4.22	6.86	6.86			
force (N)	Retracted	3.83	4.22	6.86	15.30	15.98			
Mass (g)		15	15	25	65	65			

Note) The shock absorber service life is different from that of the MXQ cylinder depending on operating conditions. Refer to the RB Series Specific Product Precautions for the replacement period.

With End Lock Specifications

Model	MXQ8	MXQ12	MXQ16	MXQ20	MXQ25		
Bore size (mm)	8	8 12 16 20					
Piston speed		50	to 500 mm/s				
Holding force (N)	25	60	110	160	250		

Note) For caution on end lock, refer to page 132.

Buffer Mechanism Specifications

Mo	del	MXQ6	MXQ8	MXQ12	MXQ16	MXQ20	MXQ25			
Bore size	(mm)	6	8	12	16	20	25			
Piston spe	ed	50 to 50	50 to 500 mm/s (Horizontal mounting 50 to 300 mm/s)							
Buffer stro	ke (mm)		5		1	0				
Buffer stroke			5	10	13	17	21			
load (N)	Maximum stroke	6	8	13	17	25	29			



(mm)

Note 1) For caution on handling the one with buffer mechanism,refer to page 132.

Note 2) The buffer stroke decreases by the amount of stroke adjusted with the extension end stroke adjuster.

Applicable Auto Switch to Buffer

Type	model	Specifications	Electrical entry direction
	D-M9BV	With light, 2-wire	
Solid state switch	D-M9NV	With light, 3-wire, Output: NPN	Vertical
	D-M9PV	With light, 3-wire, Output: PNP	

* The auto switch for buffer must be ordered separately.



-X□

MXH

MXU

MXS

MXQ

MXF

MXW

MXJ

MXP

MXY

MTS

Individual -X□

