

Air Slide Table/Reversible Type

Series MXQR

ø6, ø8, ø12, ø16, ø20, ø25

How to Order

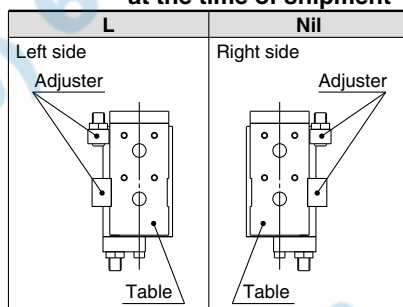
MXQR 12 L - 50 J - M9BW

Air Slide Table/
Reversible Type

Port thread type

Nil	M thread	ø6 to ø16
	Rc	
TN	NPT	ø20, ø25
TF	G	

Adjuster position set
at the time of shipment*



* The adjuster position can be selected from two choices, right side and left side. It can be changed on site to suit the installation conditions. For detailed dimensions, refer to the product drawing. For the procedure for changing the position, refer to the **MXQR Operation Manual**.

Bore size (Stroke (mm))

ø6	10, 20, 30, 40, 50
ø8	10, 20, 30, 40, 50, 75
ø12	10, 20, 30, 40, 50, 75, 100
ø16	10, 20, 30, 40, 50, 75, 100, 125
ø20	10, 20, 30, 40, 50, 75, 100, 125, 150
ø25	10, 20, 30, 40, 50, 75, 100, 125, 150

Made to Order
Refer to page 2 for details.

Number of auto switches

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

Auto switch

Nil Without auto switch (Built-in magnet)

* For applicable auto switch models, refer to the below table.

Adjuster options

		Retraction stroke end				
		None	Adjuster (Rubber stopper)	Shock absorber (RB)	Adjuster (Metal stopper)	Shock absorber RJ (Note 1, 2) (Short stroke type)
Extension stroke end	None	Nil	AT	BT	CT	JT
	Adjuster (Rubber stopper)	AS	A	ASBT	ASCT	ASJT
	Shock absorber (RB)	BS	BSAT	B	BSCT	BSJT
	Adjuster (Metal stopper)	CS	CSAT	CSBT	C	CSJT
	Shock absorber RJ (Note 1, 2) (Short stroke type)	JS	JSAT	JSBT	JSCT	J

Note 1) The shock absorber RJ (short stroke type) is a soft and short stroke type shock absorber (RJ□). For the buffer time, refer to front matter 3. For details of the shock absorber (RJ), refer to its catalog.

Note 2) The shock absorber (short stroke type) is not available with the MXQR6.

Applicable Auto Switches/Refer to Best Pneumatics No. 3 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 indication)			3-wire (NPN)	5 V, 12 V	M9NWV		M9NW	●	●	●	○	○	IC circuit				
				3-wire (PNP)		M9PWV		M9PW	●	●	●	○						
				2-wire		12 V		M9BWV	M9BW	●	●	●			○			
Reed auto switch	—	Grommet	Yes	3-wire (NPN equivalent)	—	5 V	—	A96V	A96	●	—	●	—	—	IC circuit	—		
				2-wire	24 V	12 V	100 V	A93V	A93	●	—	●	—				—	IC circuit
							100 V or less	A90V	A90	●	—	●	—					

* 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

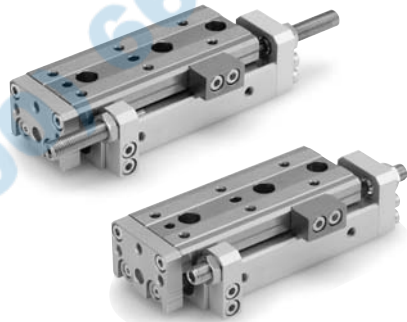
* Solid state auto switches marked with "○" are produced upon receipt of order.

* Since there are other applicable auto switches than listed, refer to page 26 for details.

* For details about auto switches with pre-wired connector, refer to pages 1784 and 1785 of Best Pneumatics No. 3.

* Auto switches are shipped together, (but not assembled).

Series MXQR



Made to Order
(For details, refer to pages 28 to 29.)

Symbol	Specifications
-X7	PTFE grease
-X9	Grease for food
-X11	Long adjustment bolt (Adjustment range: 15 mm)
-X12	Long adjustment bolt (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 seal
-X42	Anti-corrosive guide unit
-X45	EPDM seal

Specifications

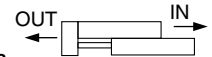
Bore size (mm)	6	8	12	16	20	25
Piping port size	M5 x 0.8				Rc1/8, NPT1/8, G1/8	
Fluid	Air					
Action	Double acting					
Operating pressure	0.15 to 0.7 MPa*					
Proof pressure	1.05 MPa					
Ambient and fluid temperature	-10 to 60°C					
Piston speed	50 to 500 mm/s (Adjuster option/Metal stopper: 50 to 200 mm/s) (Adjuster option/Shock absorber: 300 to 500 mm/s [ø6 only])					
Cushion	Rubber bumper (Standard, Adjuster option/Rubber stopper) Shock absorber (Adjuster option/Shock absorber) None (Adjuster option/Metal stopper)					
Lubrication	Not required (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)					
Stroke length tolerance	+1 0 mm					

* MXQR6 with shock absorber: Operating pressure 0.3 to 0.7 MPa

Standard Stroke

Model	Standard stroke (mm)
MXQR 6	10, 20, 30, 40, 50
MXQR 8	10, 20, 30, 40, 50, 75
MXQR12	10, 20, 30, 40, 50, 75, 100
MXQR16	10, 20, 30, 40, 50, 75, 100, 125
MXQR20	10, 20, 30, 40, 50, 75, 100, 125, 150
MXQR25	10, 20, 30, 40, 50, 75, 100, 125, 150

Theoretical Output



The dual rod ensures an output twice that of existing cylinders.

(N)

Bore size (mm)	Rod size (mm)	Operating direction	Piston area (mm ²)	Operating pressure (MPa)					
				0.2	0.3	0.4	0.5	0.6	0.7
6	3	OUT	57	11	17	23	29	34	40
		IN	42	8	13	17	21	25	29
8	4	OUT	101	20	30	40	51	61	71
		IN	75	15	23	30	38	45	53
12	6	OUT	226	45	68	90	113	136	158
		IN	170	34	51	68	85	102	119
16	8	OUT	402	80	121	161	201	241	281
		IN	302	60	91	121	151	181	211
20	10	OUT	628	126	188	251	314	377	440
		IN	471	94	141	188	236	283	330
25	12	OUT	982	196	295	393	491	589	687
		IN	756	151	227	302	378	454	529

Note) Theoretical output (N) = Pressure (MPa) x Piston area (mm²)

Weight

(g)

Model	Standard stroke (mm)									Additional weight of adjuster option					
	10	20	30	40	50	75	100	125	150	Rubber stopper		Shock absorber		Metal stopper	
										Extension stroke end	Retraction stroke end	Extension stroke end	Retraction stroke end	Extension stroke end	Retraction stroke end
MXQR 6	100	120	140	180	200	—	—	—	—	6	5	14	10	10	5
MXQR 8	140	170	210	250	315	385	—	—	—	10	10	30	23	23	10
MXQR12	335	340	380	450	490	655	745	—	—	25	23	47	30	35	23
MXQR16	605	610	670	735	835	1000	1250	1400	—	45	40	75	53	60	40
MXQR20	1100	1100	1100	1200	1400	1750	2350	2650	2900	80	65	170	120	115	65
MXQR25	1750	1750	1750	1950	2400	2750	3450	4300	4700	130	110	220	140	180	110