

Air Slide Table Series *MXW*

How to Order

MXW 16 — **100 B** — **M9BW** — **—** — **—**

• **Port thread type**

Nil	M thread	ø8 to ø16
TN	NPT	ø20, ø25
TF	G	

• **Bore size (Stroke (mm))**

ø8	25, 50, 75, 100, 125, 150
ø12	50, 75, 100, 125, 150
ø16	75, 100, 125, 150, 175, 200
ø20	100, 125, 150, 175, 200, 225, 250
ø25	100, 125, 150, 175, 200, 225, 250, 275, 300

• **Option**

Nil	Standard (with urethane bumper)
B	With shock absorbers 2 pcs.

• **Made to Order**
Refer to page 151 for details.

• **Number of auto switches**

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

• **Auto switch**

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

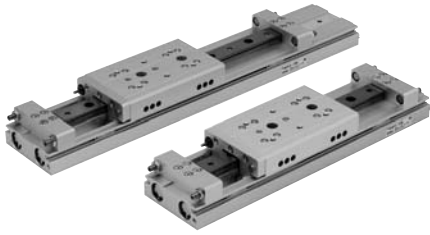
Applicable Auto Switch/Refer to pages 1719 to 1827 for the detailed specifications of auto switches.

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 switch	Diagnostic indication (2-color indication)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	M9NV	M9N	●	●	●	○	○	IC circuit	Relay, PLC
				3-wire (PNP)											
				2-wire											
				3-wire (NPN)											
				3-wire (PNP)											
				2-wire											
Reed switch	—	Grommet	Yes	3-wire (NPN equivalent)	24 V	5 V	A96V	A96	●	—	●	—	—	IC circuit	—
				2-wire											
			No	2-wire	24 V	12 V	A93V	A93	●	—	●	—	—	—	Relay, PLC
							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.

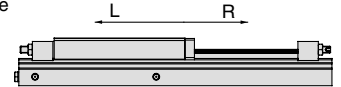
* Since there are other applicable auto switches than listed, refer to page 167 for details.
* For details about auto switches with pre-wired connector, refer to pages 1784 and 1785.
* Auto switches are shipped together (not assembled).



Specifications

Model	MXW8	MXW12	MXW16	MXW20	MXW25
Bore size (mm)	ø8 x 2 (ø11 or its equivalent)	ø12 x 2 (ø17 or its equivalent)	ø16 x 2 (ø23 or its equivalent)	ø20 x 2 (ø28 or its equivalent)	ø25 x 2 (ø35 or its equivalent)
Piping port size	M5 x 0.8			Rc 1/8	
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				
Cushion	Both ends urethane bumper (Standard) Shock absorber at both ends (Option)				
Lubrication	Non-lube				
Auto switch (Option)	Reed auto switch 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				
Stroke adjustment range	One side: 5 mm (Both sides: 10 mm)				

<Operating direction>
When viewed from side
with lateral ports.
R: Right (OUT side)
L: Left (IN side)



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)
-X33	Without built-in auto switch magnet
-X39	Fluororubber seal
-X42	Anti-corrosive specifications for guide unit
-X45	EPDM seal

Theoretical Output

Dual rod cylinder produces double the thrust of standard cylinder.

(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
8	4	R	101	20	30	40	51	61	71
		L	75	15	23	30	38	45	53
12	6	R	226	45	68	90	113	136	158
		L	170	34	51	68	85	102	119
16	8	R	402	80	121	161	201	241	281
		L	302	60	91	121	151	181	211
20	10	R	628	126	188	251	314	377	440
		L	471	94	141	188	236	283	330
25	12	R	982	196	295	393	491	589	687
		L	756	151	227	302	378	454	529

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

Standard Stroke (mm)/Mass (g)

(g)

Model	Standard stroke (mm)											
	25	50	75	100	125	150	175	200	225	250	275	300
MXW8	550	610	700	790	880	980	—	—	—	—	—	—
MXW12	—	930	1010	1140	1270	1400	—	—	—	—	—	—
MXW16	—	—	1850	1970	2150	2350	2540	2740	—	—	—	—
MXW20	—	—	—	4440	4640	5000	5360	5710	6070	6430	—	—
MXW25	—	—	—	9300	9620	9970	10500	11100	11700	12200	12800	13400

MXH

MXU

MXS

MXQ

MXF

MXW

MXJ

MXP

MXY

MTS

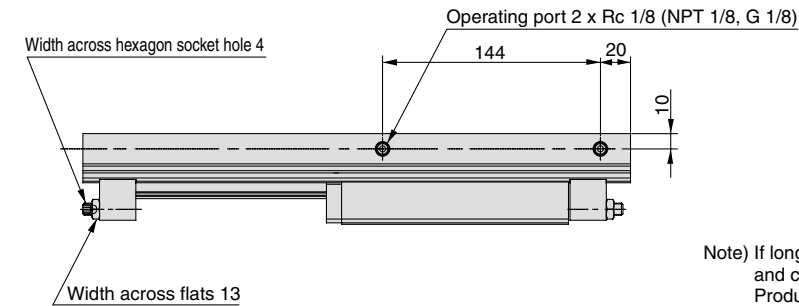
D-□

-X□

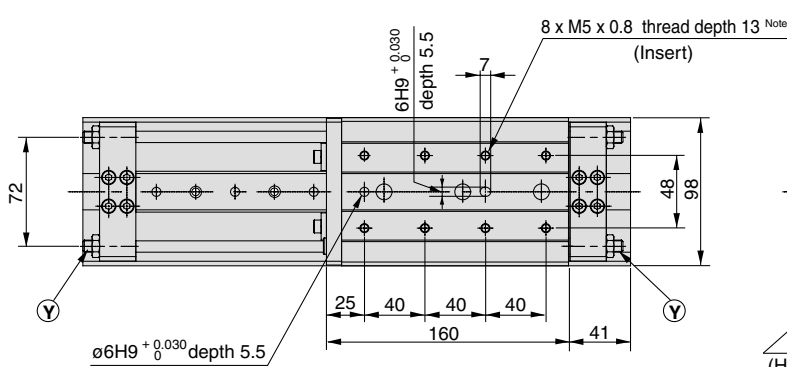
Individual
-X□

Series MXW

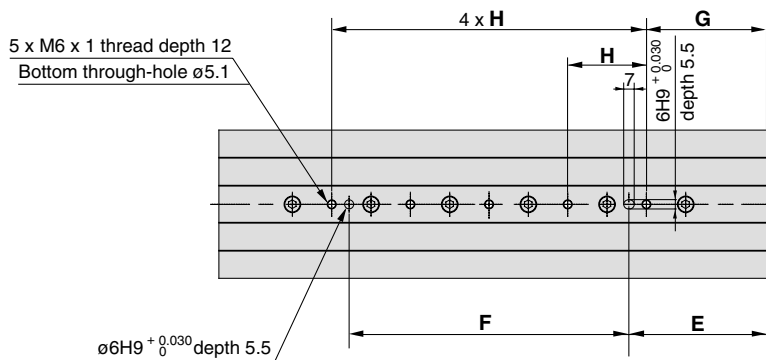
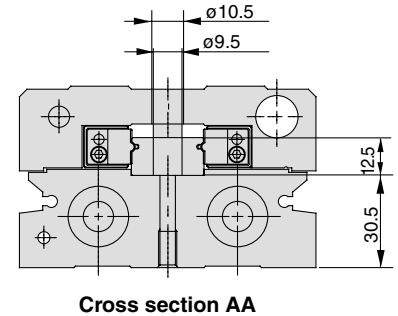
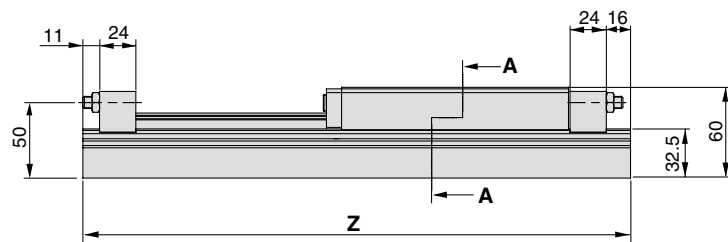
MXW20/Stroke: 100, 125 mm



Note) If long bolts are used, they can touch the guide block and cause malfunction, etc. Refer to the Specific Product Precautions.



Operating direction (A) → (B)



(mm)

Model	E	F	G	H	Z
MXW20-100	87	168	75	48	337
MXW20-125	91	185	79.5	52	362

Note) Stopper bolt (Y) shown in the section above is attached only on B type (with shock absorber).