

! Contact our sales office for delivery dates and prices as this is a special model.

Specialized Product

Point to Group
P.G. information

3-Position Air Gripper

MHZL2-16D-X6770

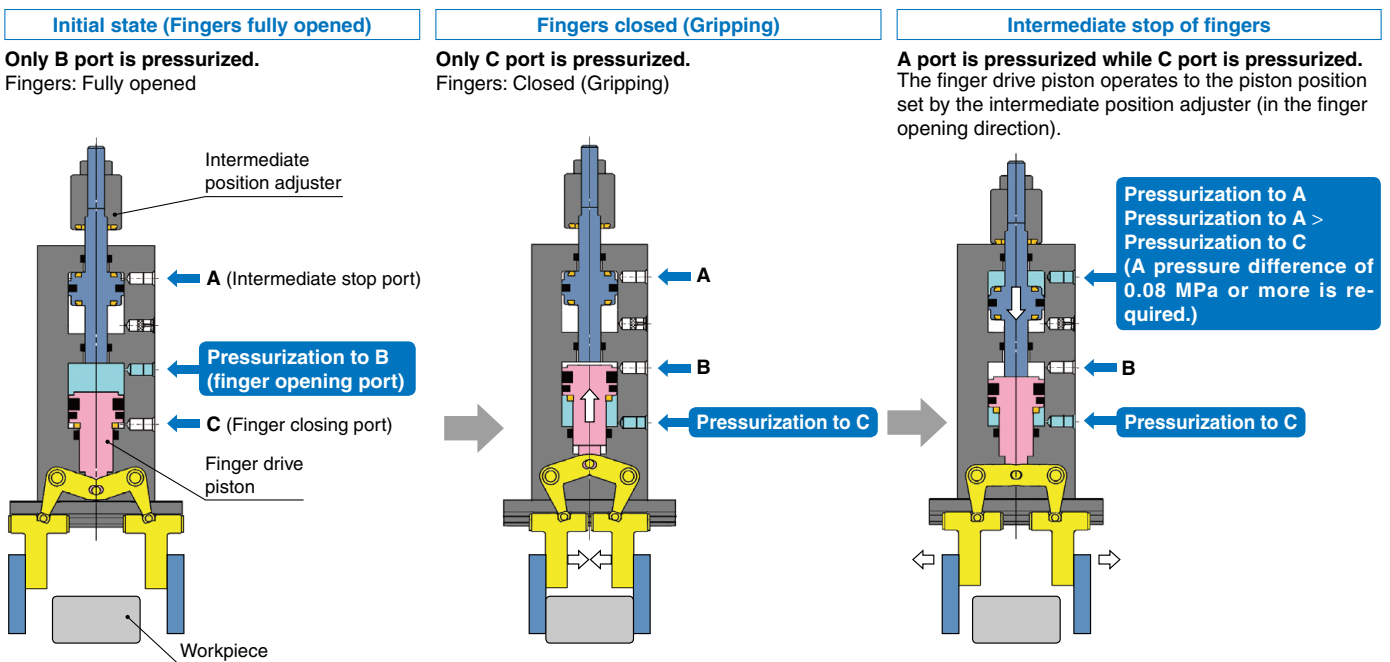
MHZL2-20D-X6770

Features

- Intermediate stops of the opening/closing stroke are possible.
- Intermediate stops are possible at any position in the stroke range.
- Finger stroke $\varnothing 16$: 12 mm
 $\varnothing 20$: 18 mm
- Bore size: $\varnothing 16$, $\varnothing 20$
- Auto switches are mountable.



Working Principle External gripping: Intermediate stops are performed using the open operation



* In addition to the operation shown above, external gripping (close operation), internal gripping (open operation), and internal gripping (close operation) operations are also possible. For details, please contact SMC.



Caution

To ensure the safest possible operation of this product, please be sure to thoroughly read the "Safety Instructions" in our "Best Pneumatics" catalog before use.

SMC Corporation 4-14-1, SOTO-KANDA, CHIYODA-KU, TOKYO 101-0021, JAPAN URL: <http://www.smcworld.com>

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SP163X-012E
P: VS

Specifications

Bore size		ø16	ø20
Fluid		Air	
Operating pressure		0.1 to 0.7 MPa	
Ambient and fluid temperatures		-10 to 60°C	
External gripping force 0.5 MPa, L = 20 mm	External grip	34 N	42 N
	Internal grip	45 N	66 N
Finger stroke		12 mm	18 mm
Max. operating frequency		120 c.p.m.	
Lubricant		Non-lube	
Weight		205 g	410 g

How to Order

MHZL2 - **20** D - **M9BW** - X6770

• Bore size

16	16 mm
20	20 mm

• Number of auto switches

Nil	2
S	1
n	n

• Auto switch

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

Applicable 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									
								F8N	—	●	—	●	○	—										
				M9PV				M9P	●	●	●	○	○	—										
				F8P				—	●	—	●	○	—											
				M9BV				M9B	●	●	●	○	○											
				F8B				—	●	—	●	○	—											
	Diagnostic indication (2-color indicator)	Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	—	M9NWV	M9NW	●	●	●	○	○	IC circuit								
									M9PWV	M9PW	●	●	●	○	○									
				2-wire					12 V	M9BWV	M9BW	●	●	●	○		○	—						
										F8B	—	●	—	●	○		—							
				Water resistant (2-color indicator)					Grommet	Yes	3-wire (NPN)	24 V	5 V, 12 V	—	—		M9NAV*1	M9NA*1	○	○	●	○	○	IC circuit
																	M9PAV*1	M9PA*1	○	○	●	○	○	
3-wire (PNP)	12 V	M9BAV*1	M9BA*1		○	○	●	○			○					—								
		F8B	—		●	—	●	○			—													

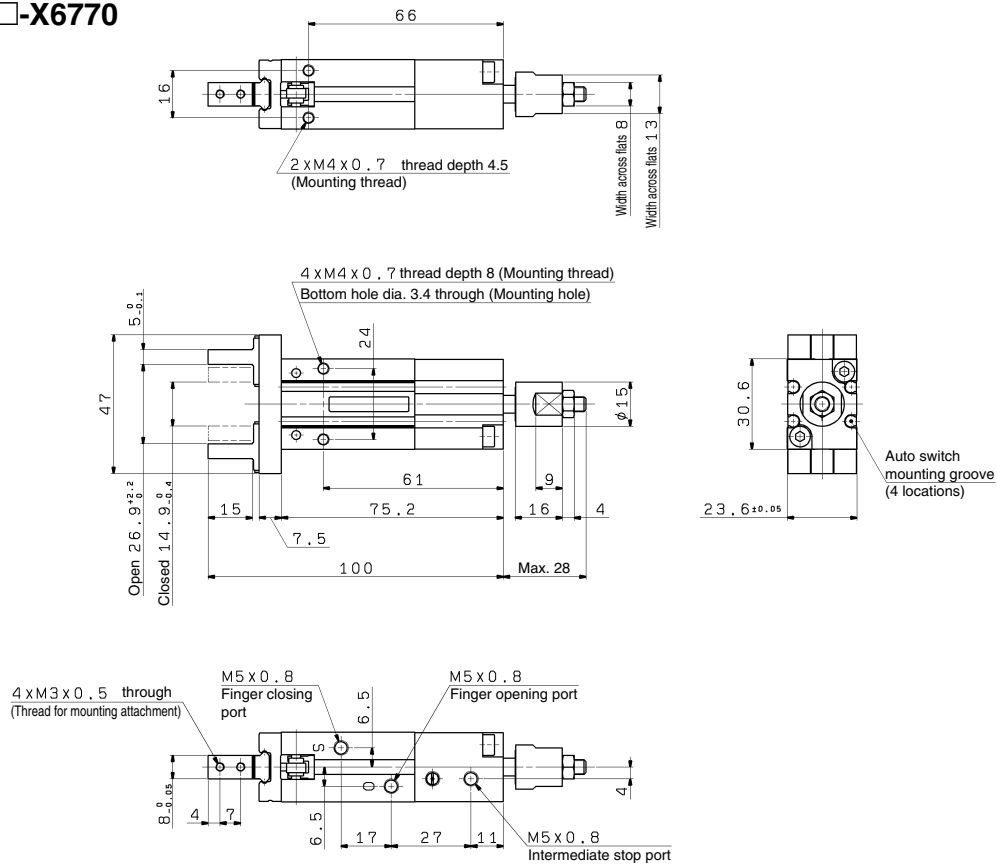
*1 Water-resistant type auto switches can be mounted on the above models, but SMC cannot guarantee water resistance.

* Lead wire length symbols: 0.5 m Nil (Example) M9NW * Solid state auto switches marked with "○" are produced upon receipt of order.
 1 m M (Example) M9NWM
 3 m L (Example) M9NWL
 5 m Z (Example) M9NWZ

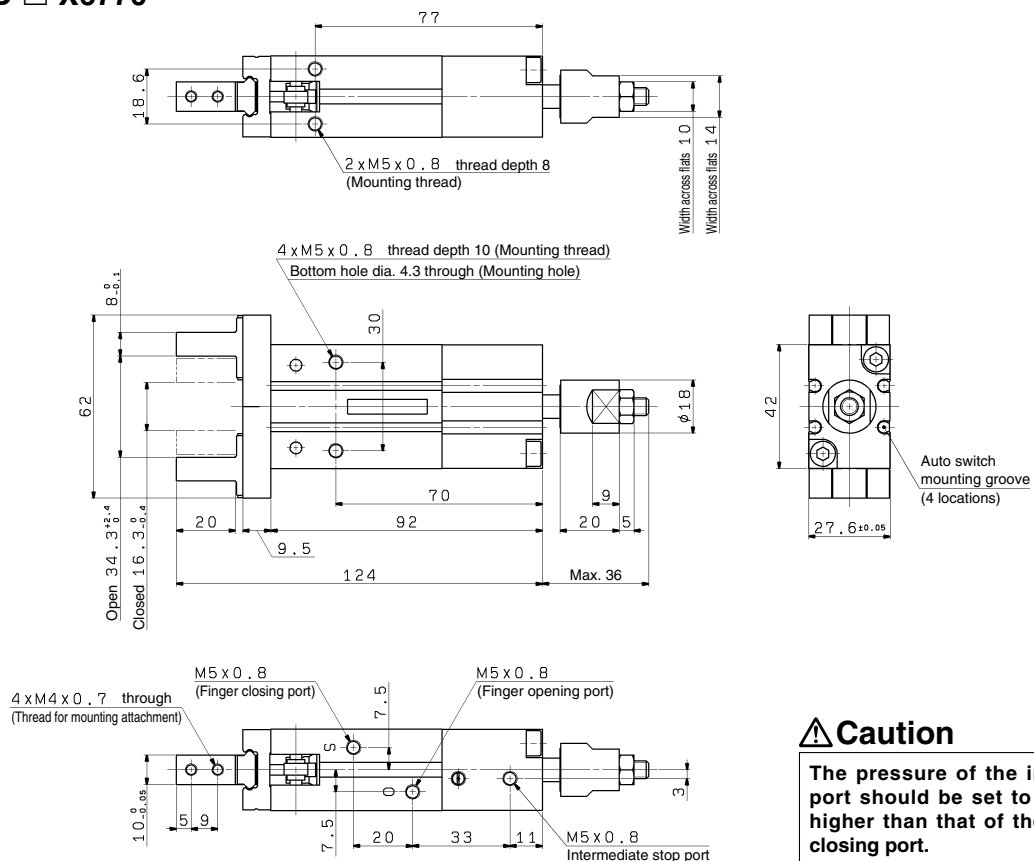
* When using the 2-color indicator type, please set so that the indicator is lit in red to ensure the detection of the air gripper at its proper position.

Dimensions

MHZL2-16D-□-X6770



MHZL2-20D-□-X6770



⚠ Caution

The pressure of the intermediate stop port should be set to be equivalent or higher than that of the finger opening/closing port.