

Long-Stroke Parallel Type Air Gripper

(with improved centering accuracy)

MHZL2-10C-X3457A (Single type: Normally closed)

MHZL2-10S-X3459A (Single type: Normally open)

SMC CORPORATION

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URL: <http://www.smcworld.com>

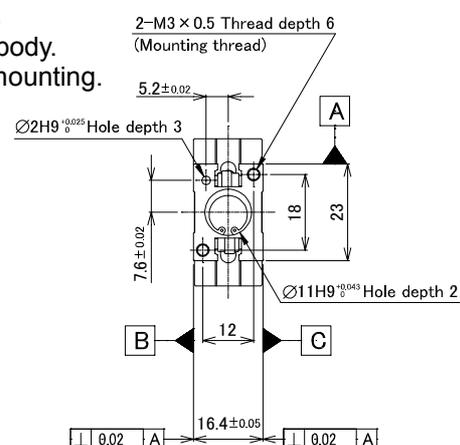
Application: Holding and positioning of precision parts such as electronic components.

Feature 1: Centering accuracy is greatly improved.

- Setting of positioning pin holes to front and back faces of the body.
- A and B sides or A and C sides are the reference planes for mounting.
- Change in finger tolerance.

Standard: mm	Special order: mm
4 ⁰ _{-0.1}	→ 4 ⁰ _{-0.02}
5 ⁰ _{-0.05}	→ 5 ⁰ _{-0.02}

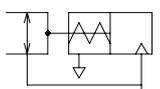
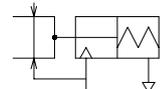
- Dimension between holding center position of finger and reference plane A is 11.5 ± 0.04 mm.



Comparison with Standard Product:

Refer to Feature 1 above.

Specifications

Model	MHZL2-10C-X3457A	MHZL2-10S-X3459A	
Fluid	Air		
Operating pressure	0.35 to 0.7MPa		
Ambient and fluid temperature	-10 to 60°C (No freezing)		
Gripping force (Only spring)	When fully opened	3.3N (External gripping force)	2.6N (Internal gripping force)
	Center of stroke	3.2N (External gripping force)	3.2N (Internal gripping force)
	When fully closed	2.6N (External gripping force)	3.3N (Internal gripping force)
Finger stroke	8mm		
Maximum operating frequency	120c.p.m.		
Lubrication	Not required (Non-lube)		
Weight	70g		
Operation	Single acting (Normally closed)	Single acting (Normally open)	
Symbol	 N.C.	 N.O.	

How to Order

MHZL2-10C---X3457A

MHZL2-10S---X3459A

Type of auto switch

Nil Without auto switch

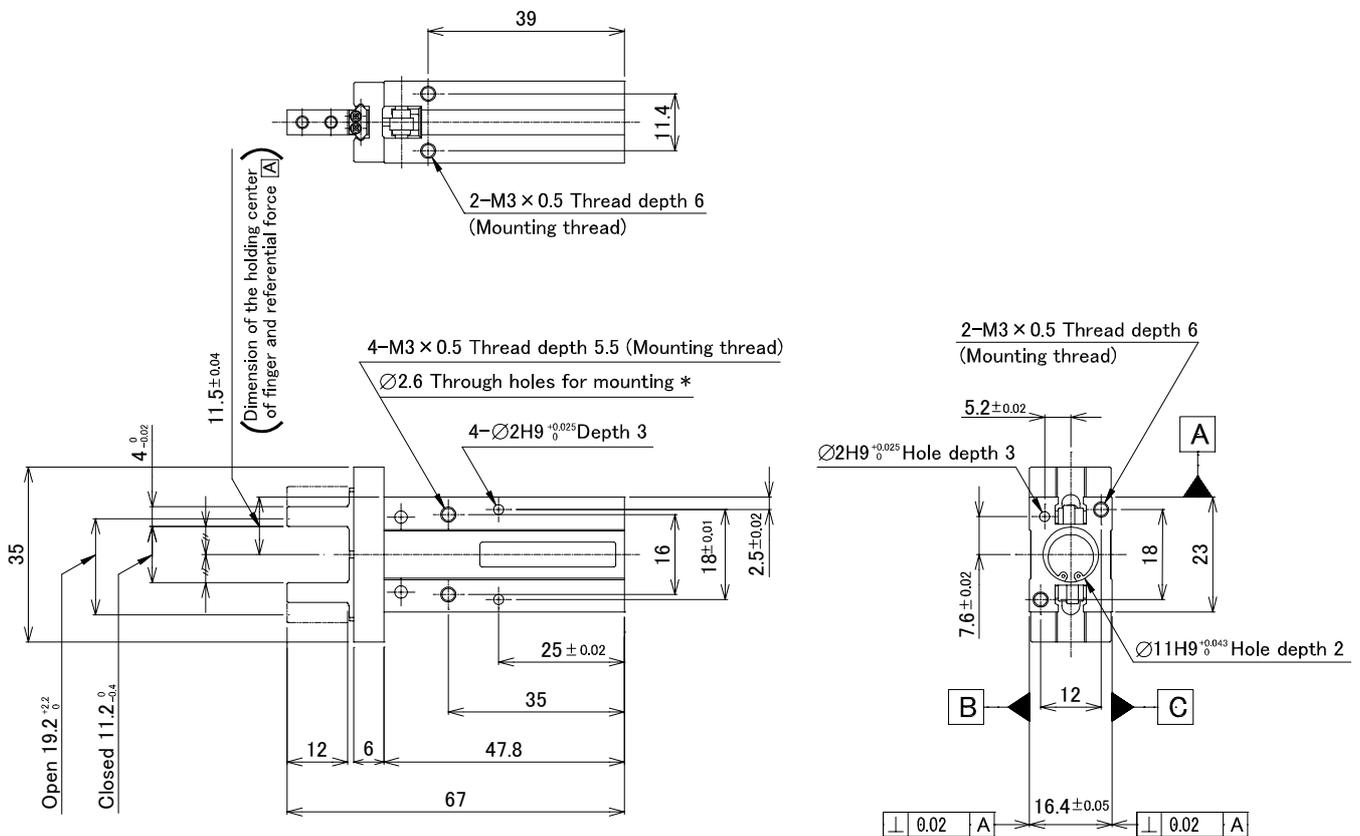
Number of auto switches

Nil	2 pcs.
S	1 pc.

Note) Please select applicable auto switch from the applicable auto switch section for MHZL series in the MHZ series catalog (CAT.ES20-140 page 27).

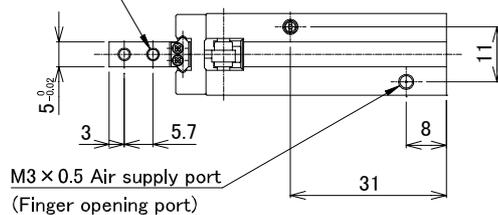
Dimensions: mm

MHZL2-10C-X3457A (Normally closed)



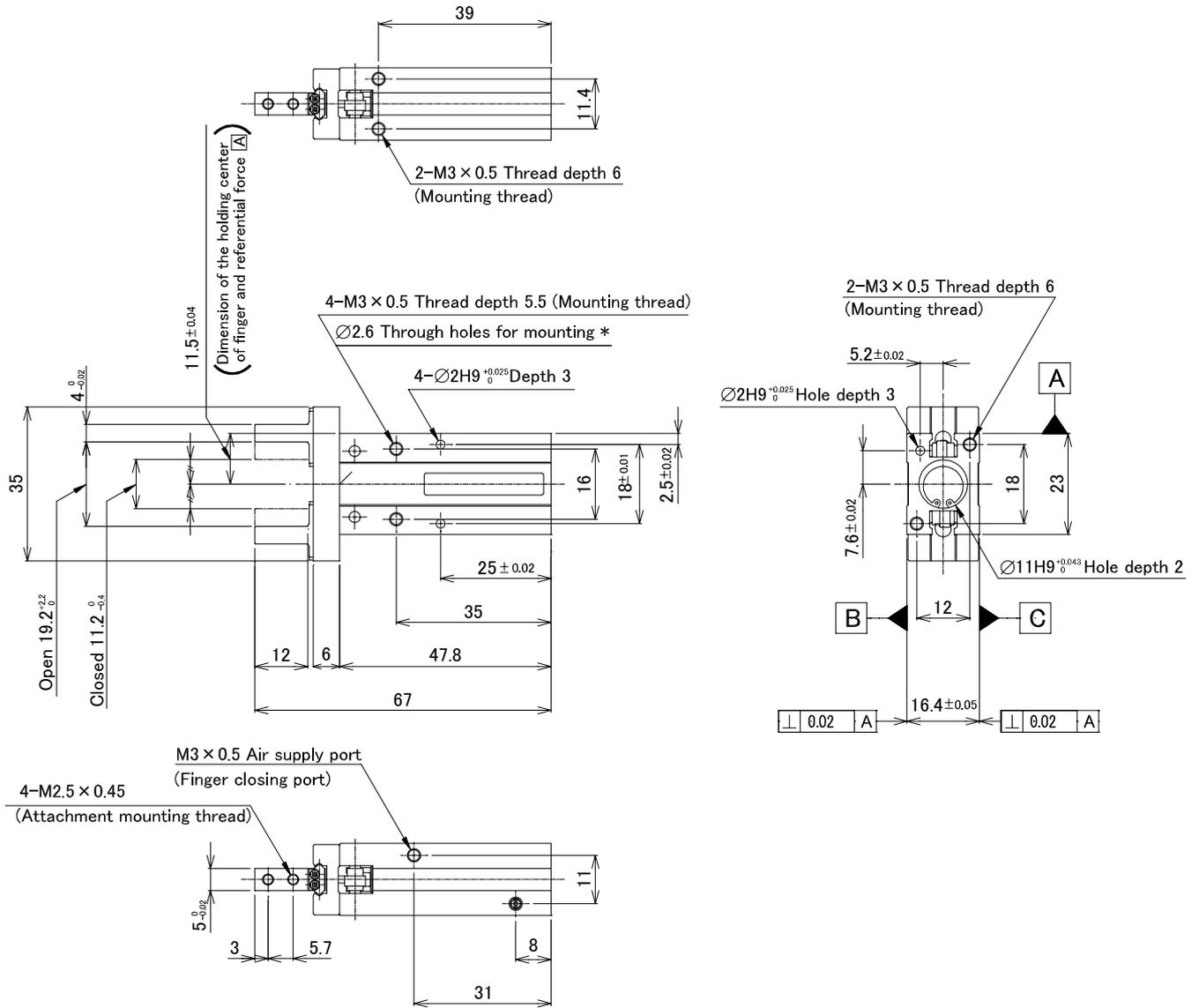
4-M2.5 x 0.45

(Attachment mounting thread)



Dimensions: mm

MHZL2-10S-X3459A (Normally open)



Note: When using auto switches, through hole (*) mounting is not possible.

⚠ Caution
To ensure the safest possible operation of this product, please be sure to read thoroughly the "Safety Instructions" in our "MHZ Series" catalog (CAT.ES20-140) before use.