

Parallel Style Air Gripper Standard Type/With Dust Cover

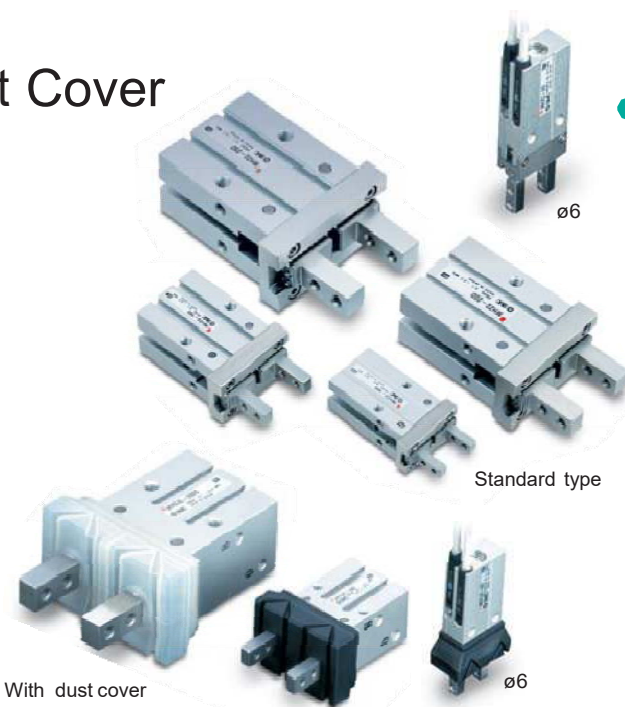
Series **MHZ2/MHZJ2**

Size MHZ2: 6, 10, 16, 20, 25, 32, 40

Size MHZJ2: 6, 10, 16, 20, 25

Features

- Autoswitches can be added.
- Single and double acting design.
- MHZ2: General purpose compact grippers with integral linear guide that provides high rigidity and high accuracy.
- MHZJ2: Air grippers with dust-protected and drip-proof construction. Interchangeable in mounting dimensions with the standard models.
A wider selection of dust cover materials is available to suit your application, please refer to Best Pneumatics catalogue.



Specifications

Fluid			Air
Operating pressure	Double acting		ø6: 0.15 to 0.7 MPa ø10: 0.2 to 0.7 MPa ø16 to ø40: 0.1 to 0.7 MPa
	Single acting	Normally open	ø6: 0.3 to 0.7 MPa ø10: 0.35 to 0.7 MPa
		Normally closed	ø16 to ø40: 0.25 to 0.7 MPa
Ambient and fluid temperature			−10 to 60°C
Repeatability			ø6 to ø25: ±0.01 mm ø32, ø40: ±0.02 mm
Max. operating frequency			ø6 to ø25: 180 c.p.m. ø32, ø40: 60 c.p.m.
Lubrication			Not required
Action			Double acting/Single acting
Auto switch (Option) ^{Note)}			Solid state switch (3-wire, 2-wire)

How to Order

MHZ		2	—	16	D
		Options			
Nil	Standard				
J	Dust Cover (ø6 to ø25) Chloroprene rubber,(CR)				
		Bore size			
		6	10	16	20
		25	32	40	
		Number of fingers			
		2	2 fingers		
		Action			
D	Double acting				
S	Single acting (Normally open)				
C	Single acting (Normally closed)				

* Note) Further finger and body options available, refer to Best Pneumatics.

Auto Switch Specifications

Refer to switch section.

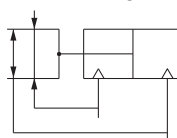
Model

Action	Model	Bore size (mm)	Gripping force ⁽¹⁾		Opening/ Closing stroke (Both sides) (mm)	
			Gripping force per finger Effective value (N)			
			External	Internal		
Double acting	MHZO2-6D	6	3.3	6.1	4	
	MHZO2-10D	10	11	17	4	
	MHZO2-16D	16	34	45	6	
	MHZO2-20D	20	42	66	10	
	MHZO2-25D	25	65	104	14	
	MHZ2-32D	32	158	193	22	
	MHZ2-40D	40	254	318	30	
	Normally open	MHZO2-6S	6	1.9	—	4
		MHZO2-10S	10	7.1		4
		MHZO2-16S	16	27		6
MHZO2-20S		20	33	10		
MHZO2-25S		25	45	14		
MHZ2-32S		32	131	22		
MHZ2-40S		40	217	30		
Single acting		Normally closed	MHZO2-6C	6		—
	MHZO2-10C		10	13	4	
	MHZO2-16C		16	38	6	
	MHZO2-20C		20	57	10	
	MHZO2-25C		25	83	14	
	MHZ2-32C		32	161	22	
	MHZ2-40C		40	267	30	

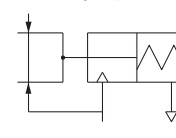
Note 1) Values based on pressure of 0.5 MPa, gripping point L = 20 mm, at center of stroke.

Note 2) Except auto switch.

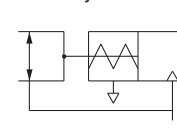
JIS Symbol
Double acting



Single acting type,
Normally open

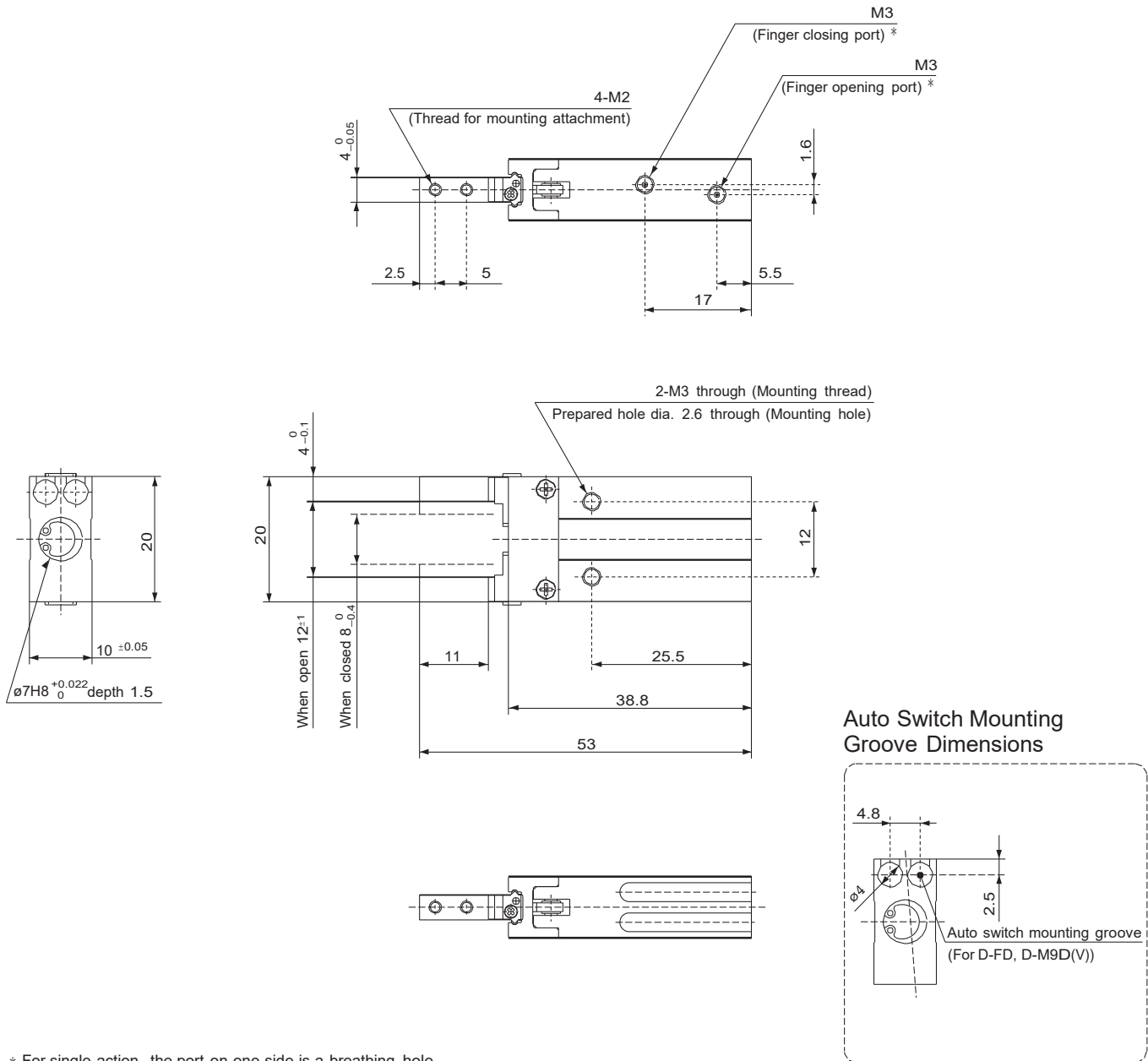


Single acting type,
Normally closed



Parallel Style Air Gripper Standard Type/With Dust Cover Series MHZ2/MHZJ2

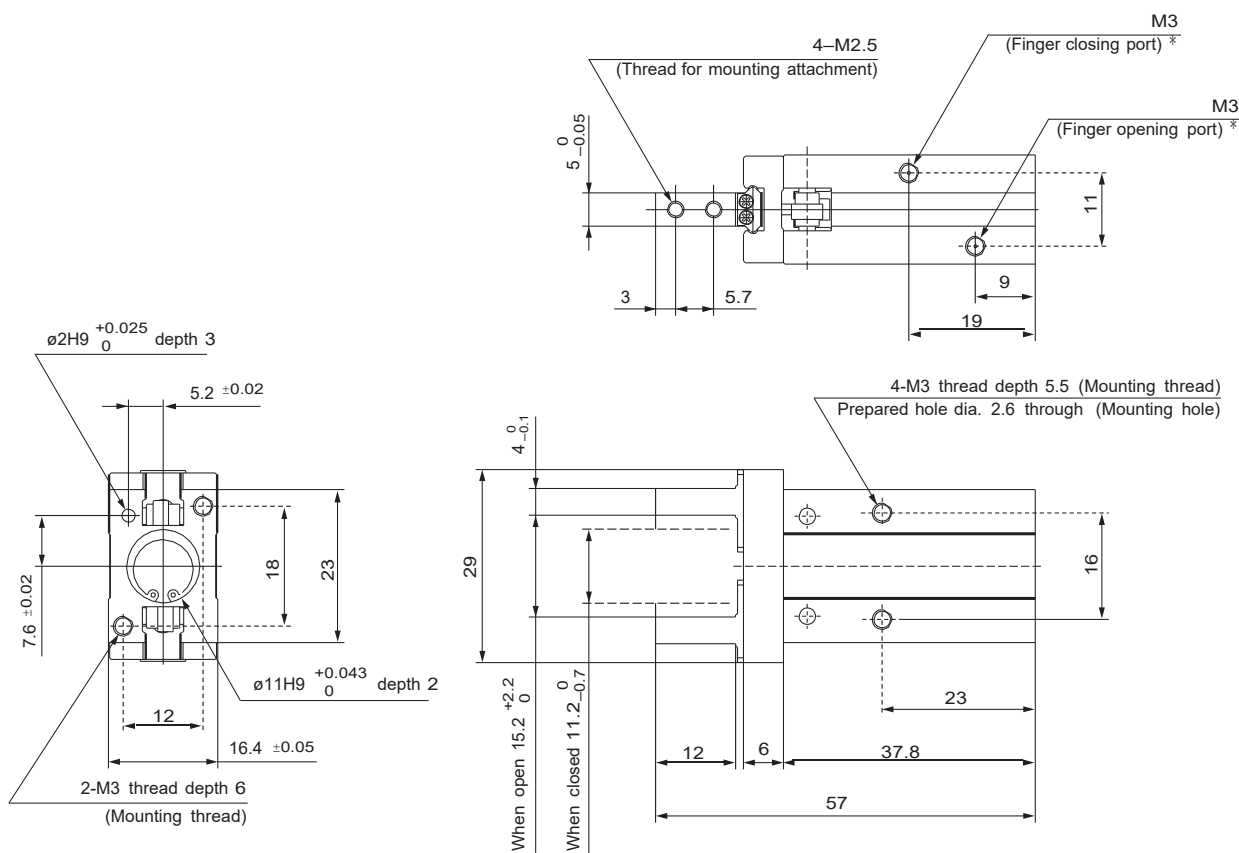
Dimensions: MHZ2-6D Double acting/Single acting. Basic type



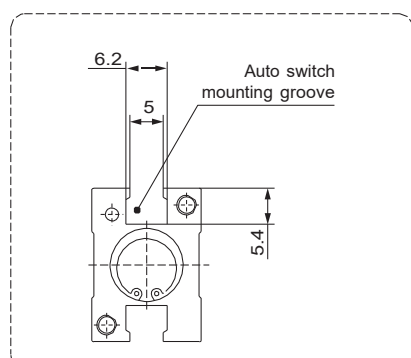
* For single action, the port on one side is a breathing hole.

Series MHZ2/MHZJ2 Parallel Style Air Gripper Standard Type/With Dust Cover

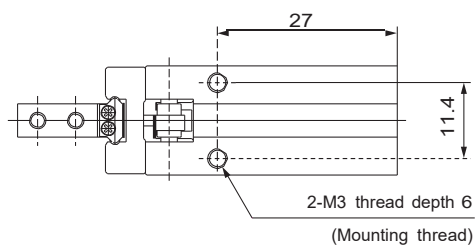
Dimensions: MHZ2-10O Double acting/Single acting. Basic type



Auto Switch Mounting Groove Dimensions



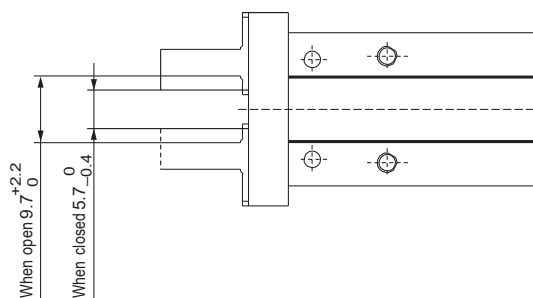
Note) When using D-Y59, D-Y69 and D-Y7 type auto switches, through-hole mounting is not possible.



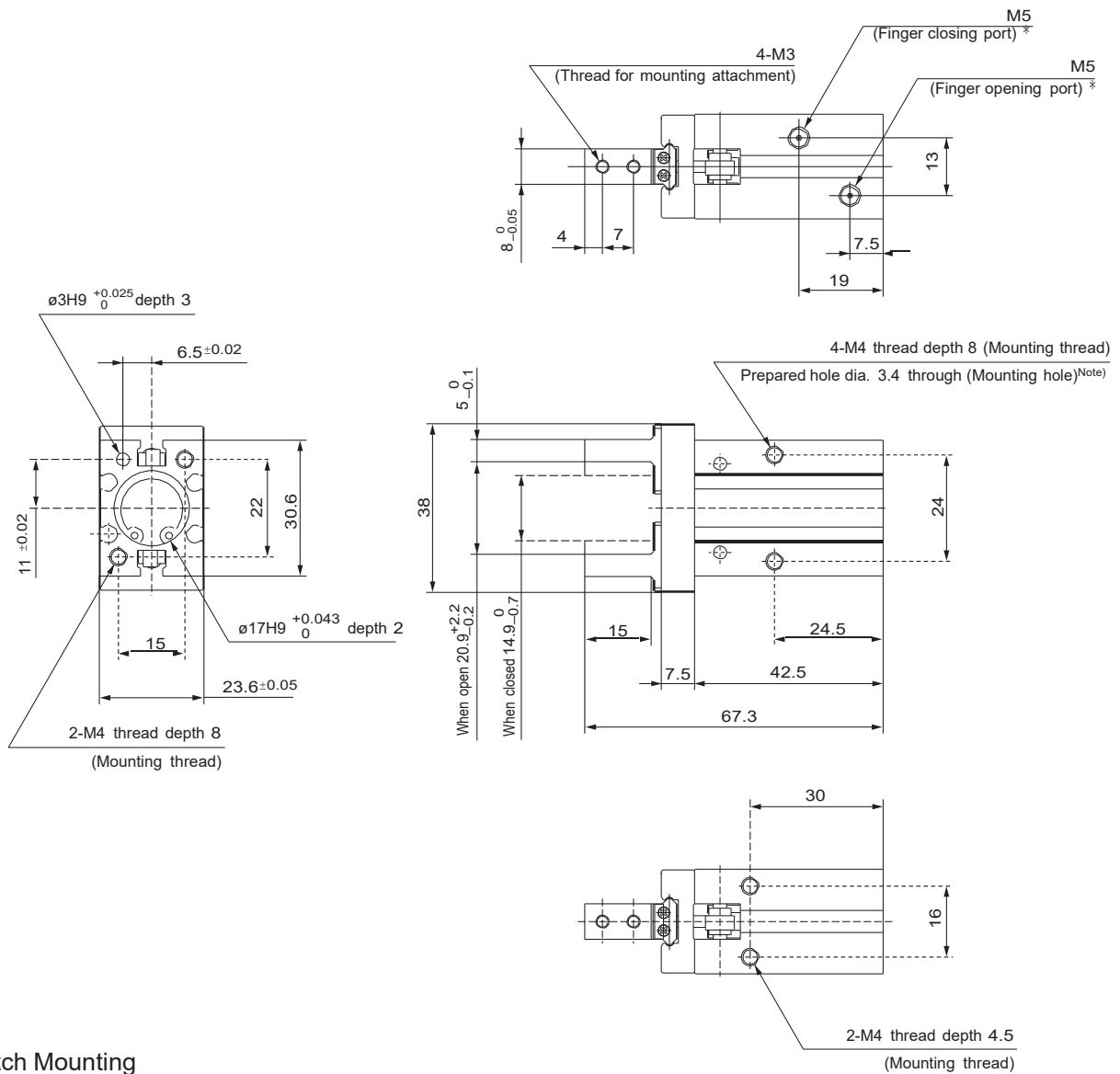
* For single action, the port on one side is a breathing hole.

Finger Position/Narrow Type

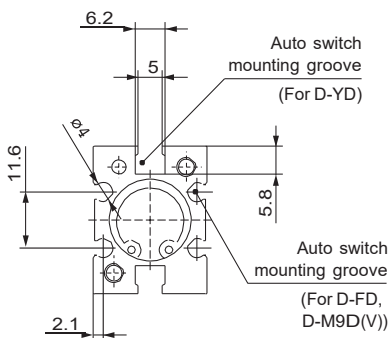
MHZ2-10DN



Dimensions: MHZ2-16D Double acting/Single acting. Basic type



Auto Switch Mounting Groove Dimensions

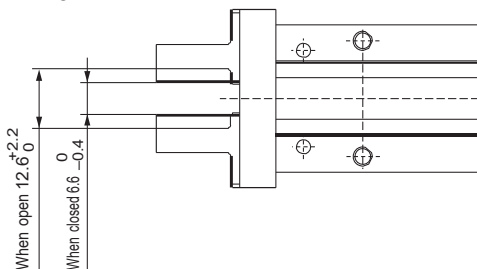


Note) When using D-Y59, D-Y69 and D-Y7 type auto switches, through-hole mounting is not possible.

* For single action, the port on one side is a breathing hole.

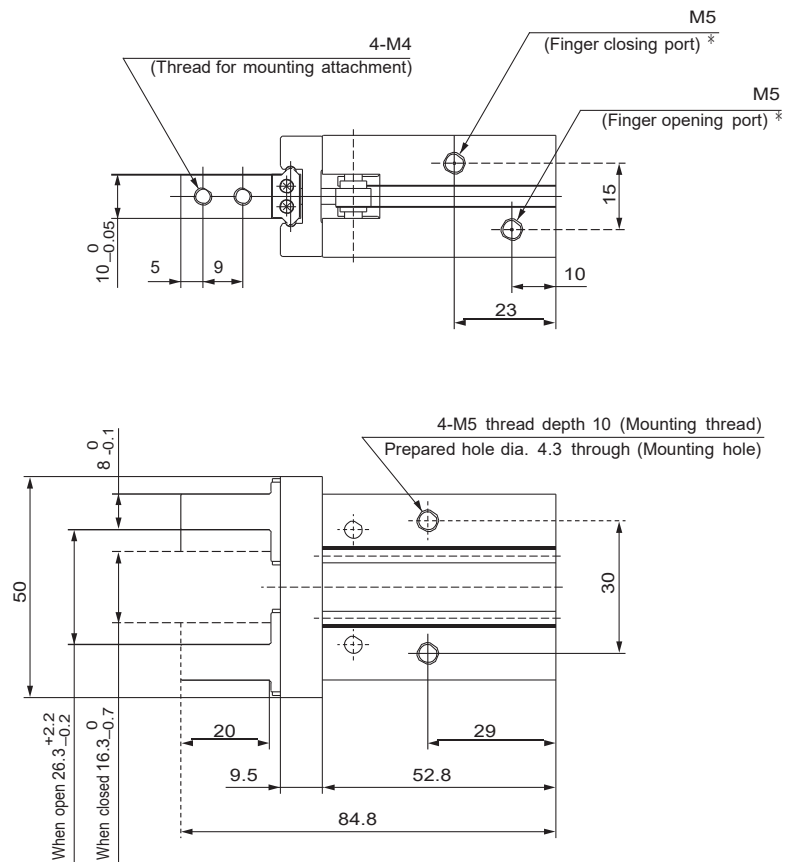
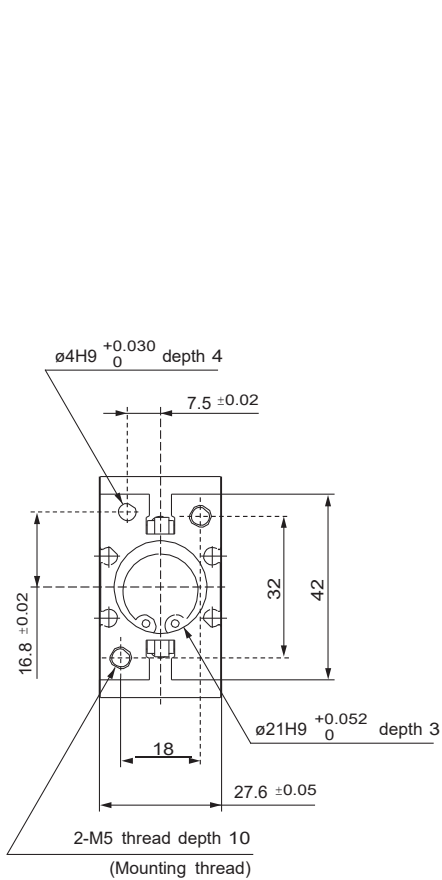
Finger Position/Narrow Type

MHZ2-16DN

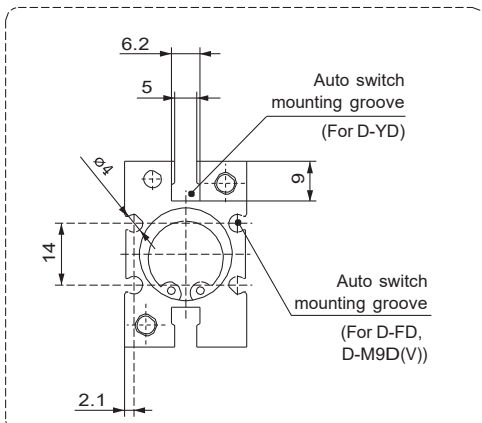


Series MHZ2/MHZJ2 Parallel Style Air Gripper Standard Type/With Dust Cover

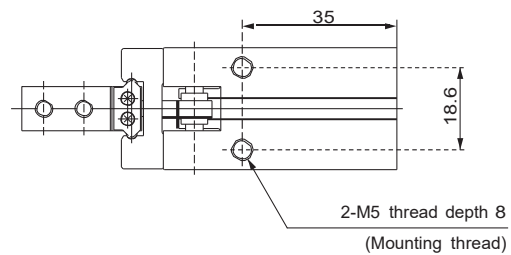
Dimensions: MHZ2-20D Double acting/Single acting. Basic type



Auto Switch Mounting Groove Dimensions



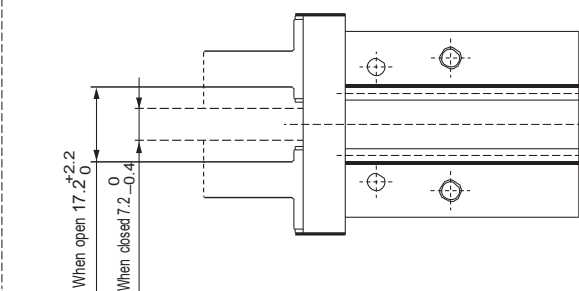
Note) When using D-Y59, D-Y69 and D-Y7 type auto switches, through-hole mounting is not possible.



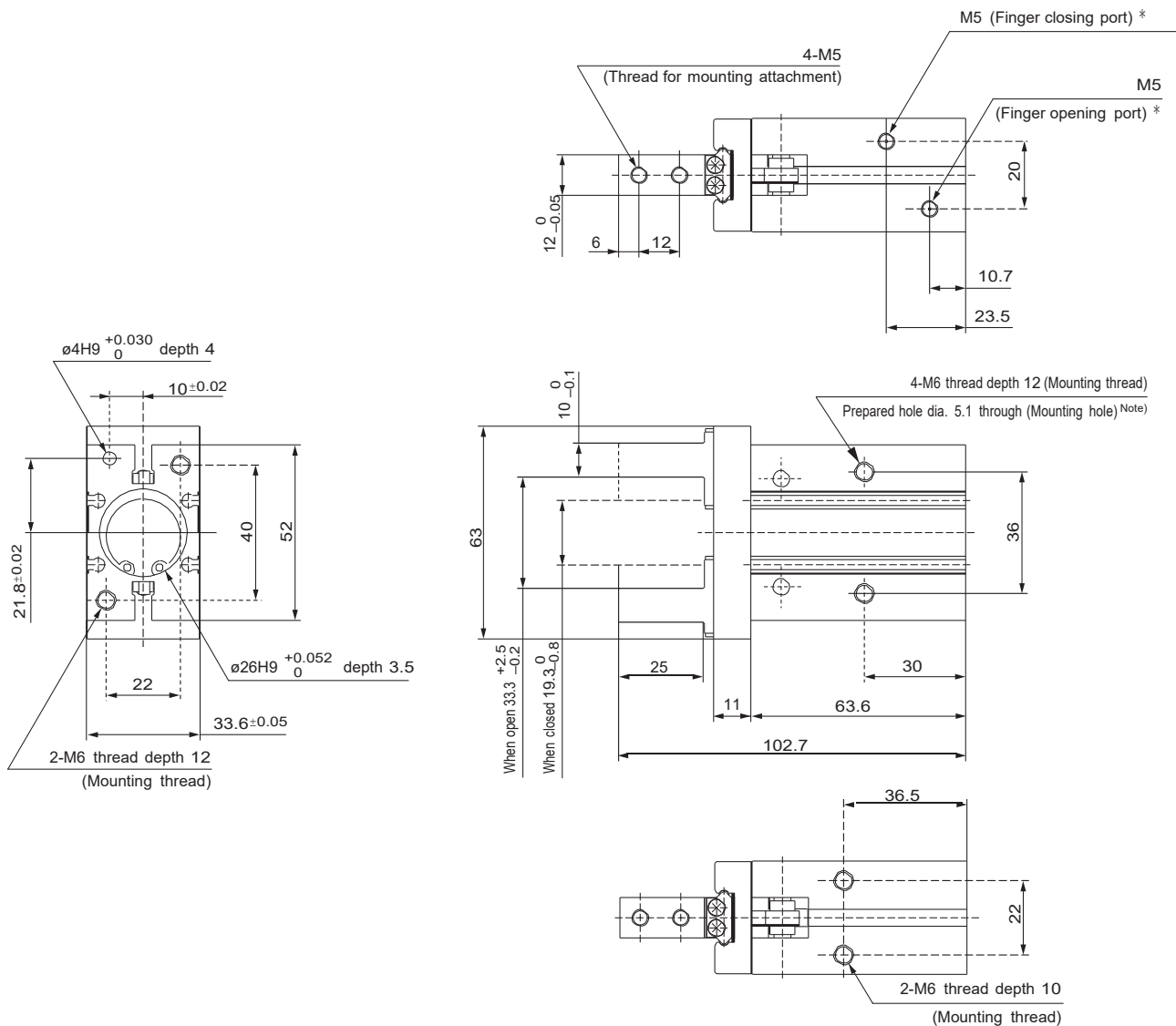
* For single action, the port on one side is a breathing hole.

Finger Position/Narrow Type

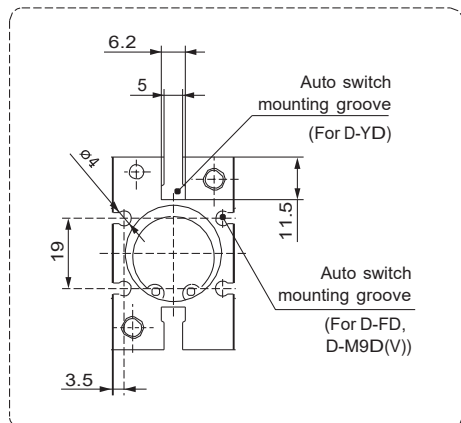
MHZ2-20DN



Dimensions: MHZ2-250 Double acting/Single acting. Basic type



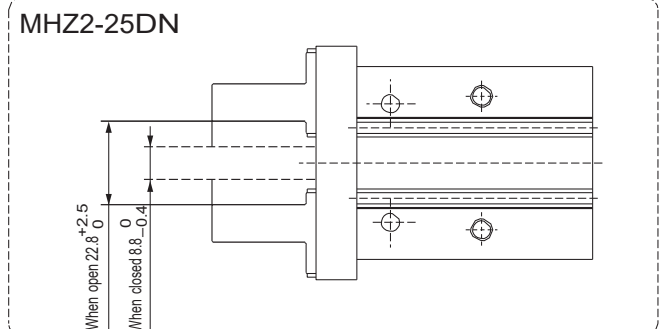
Auto Switch Mounting Groove Dimensions



Note) When using D-Y59, D-Y69 and D-Y7 type auto switches, through-hole mounting is not possible.

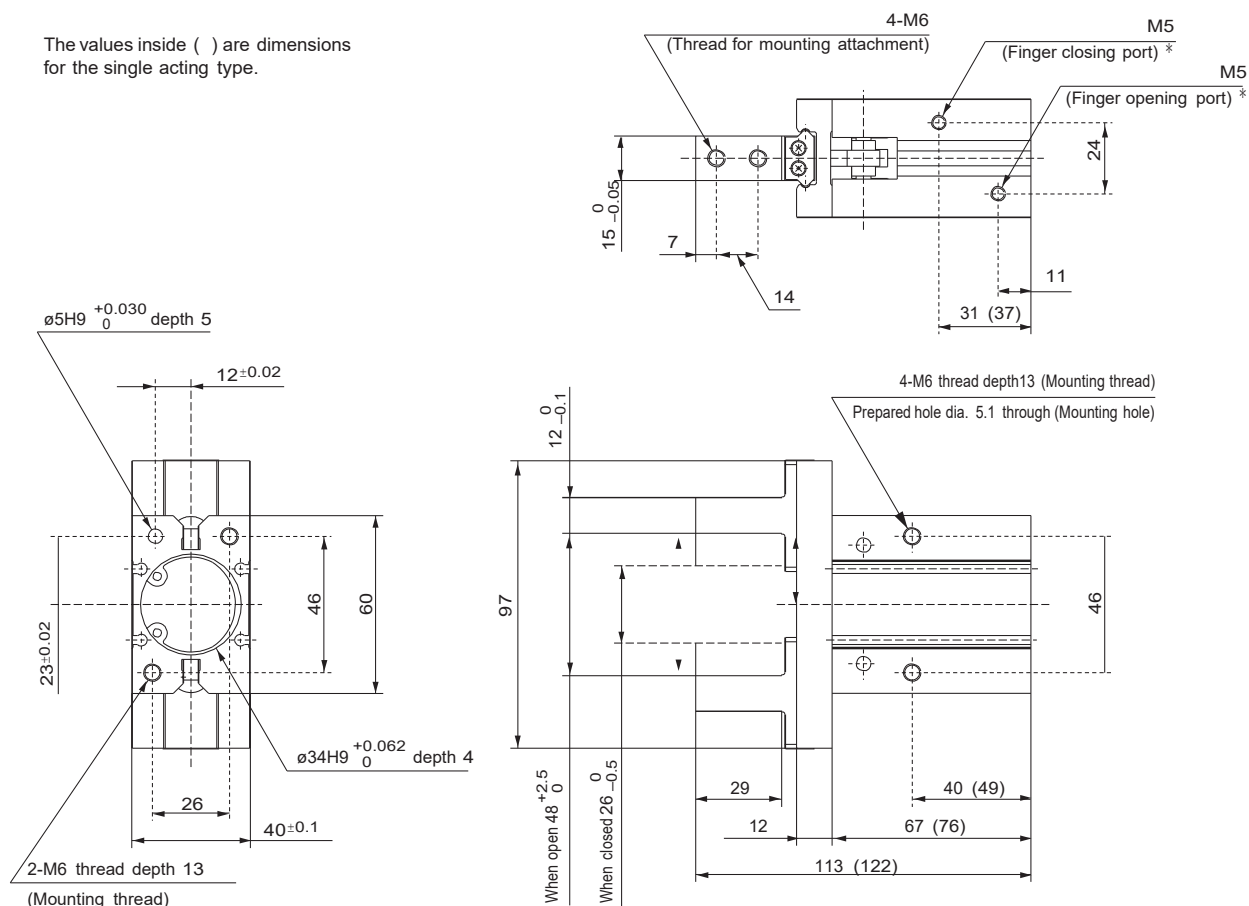
* For single action, the port on one side is a breathing hole.

Finger Position/Narrow Type

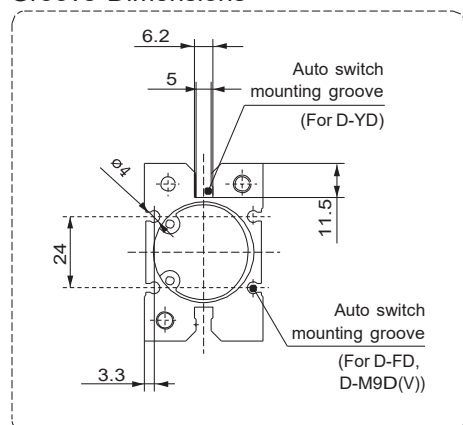


Dimensions: MHZ2-32D Double acting/Single acting. Basic type

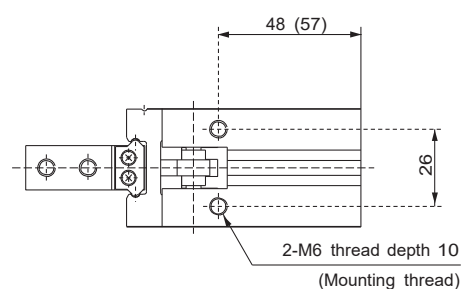
The values inside () are dimensions for the single acting type.



Auto Switch Mounting
Groove Dimensions



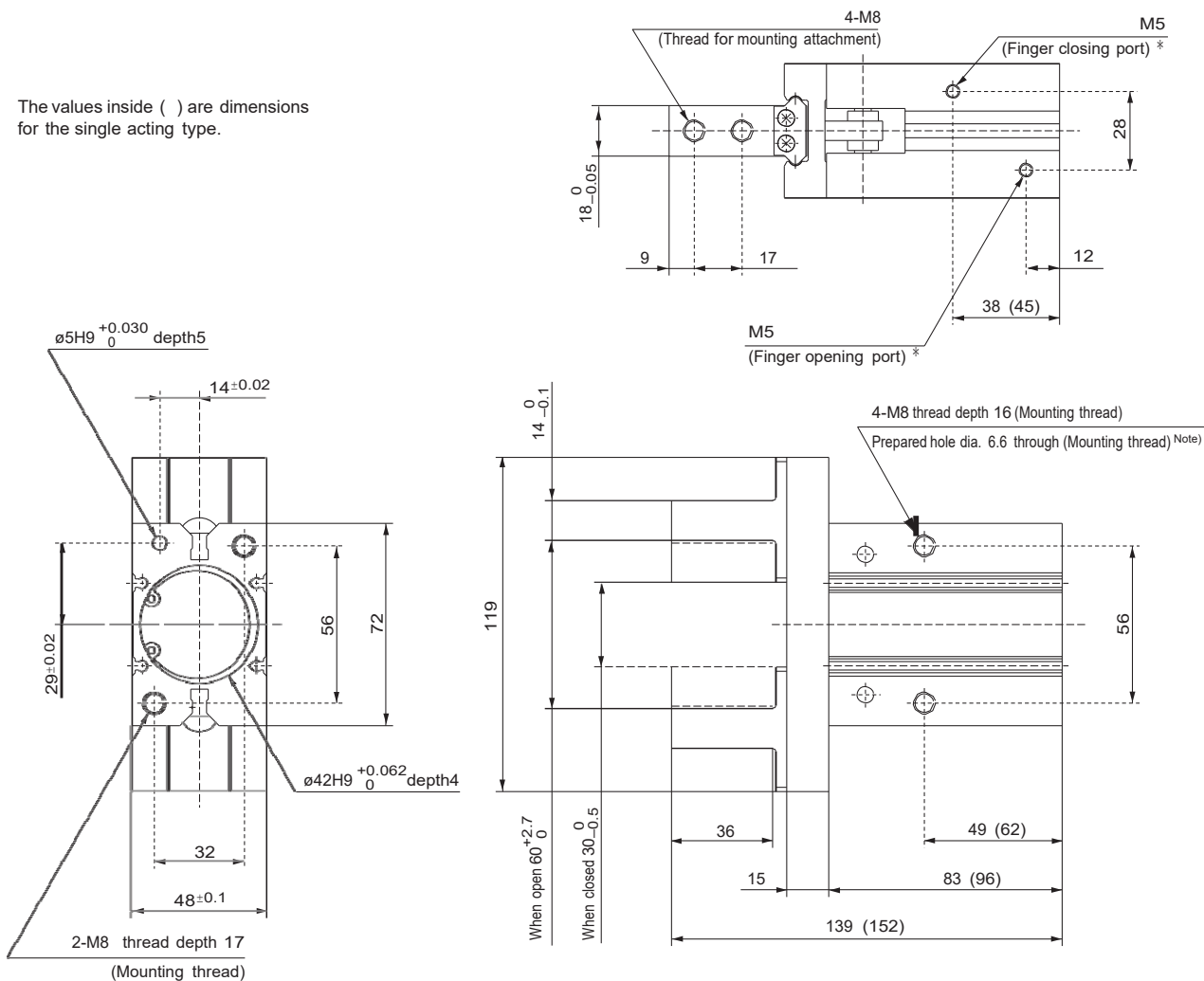
Note) When using D-Y59, D-Y69 and D-Y7 type auto switches, through-hole mounting is not possible.



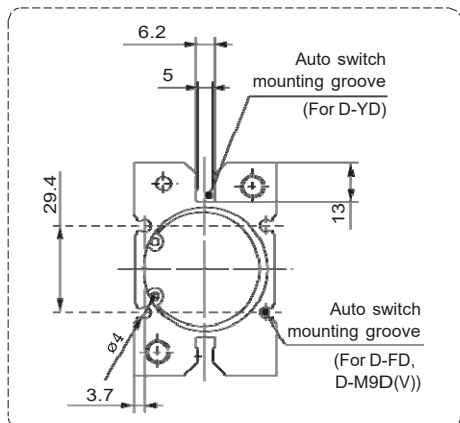
* For single action, the port on one side is a breathing hole.

Dimensions: MHZ2-40D Double acting/Single acting. Basic type

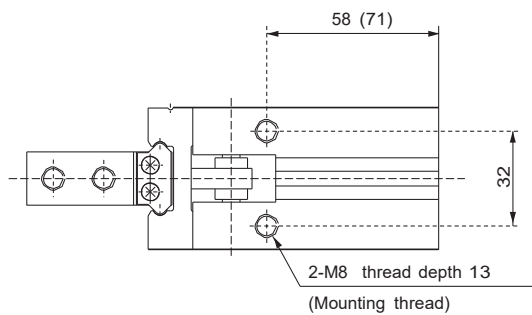
The values inside () are dimensions for the single acting type.



Auto Switch Mounting Groove Dimensions



Note) When using D-Y59, D-Y69 and D-Y7 type auto switches, through-hole mounting is not possible.

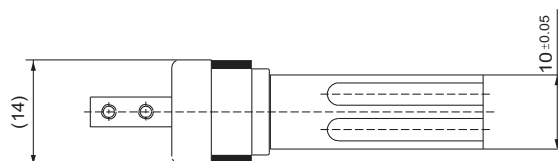
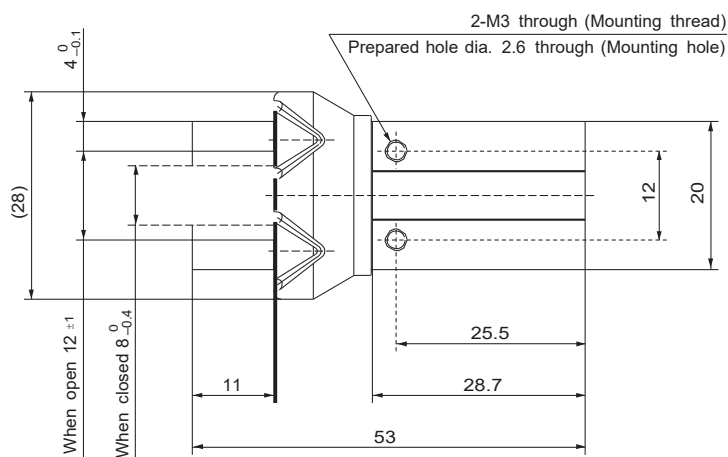
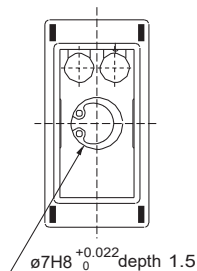
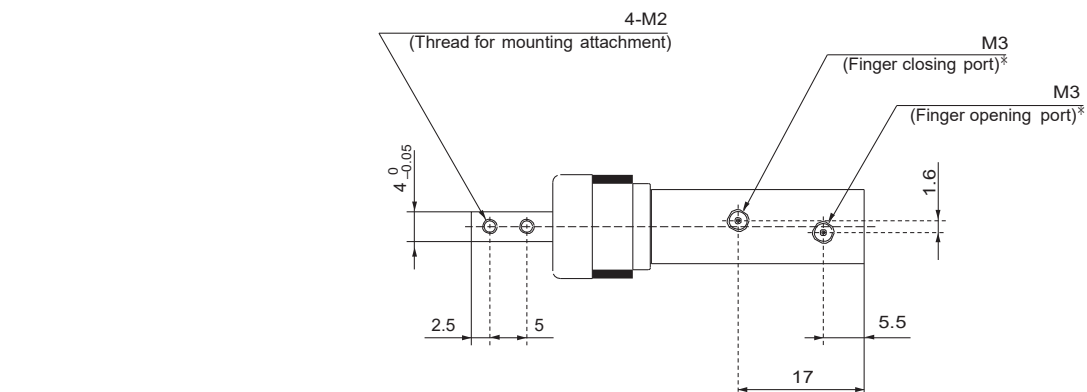


* For single action, the port on one side is a breathing hole.

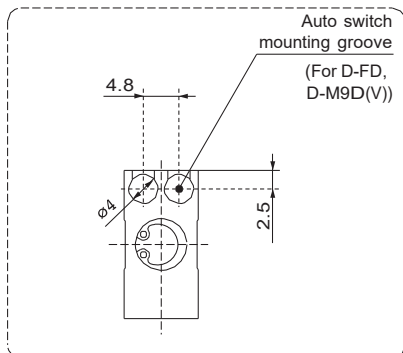
Series MHZ2/MHZJ2 Parallel Style Air Gripper Standard Type/With Dust Cover

Dimensions: MHZJ2-6D Double acting/Single acting. Basic type

With Dust Cover

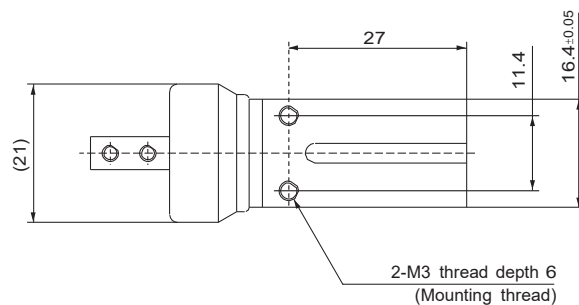
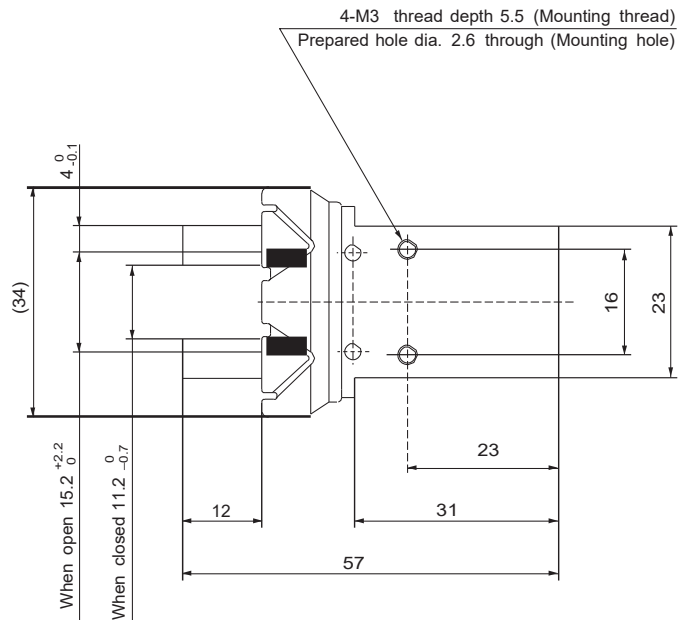
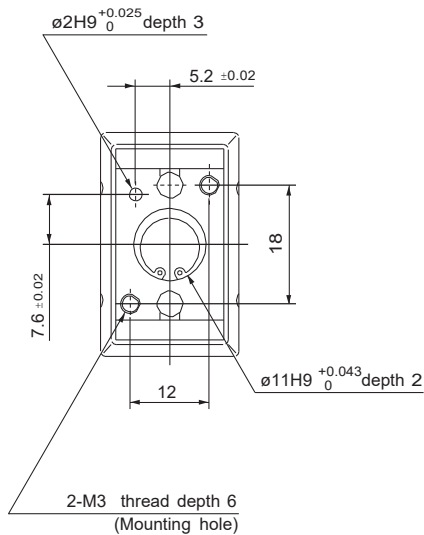
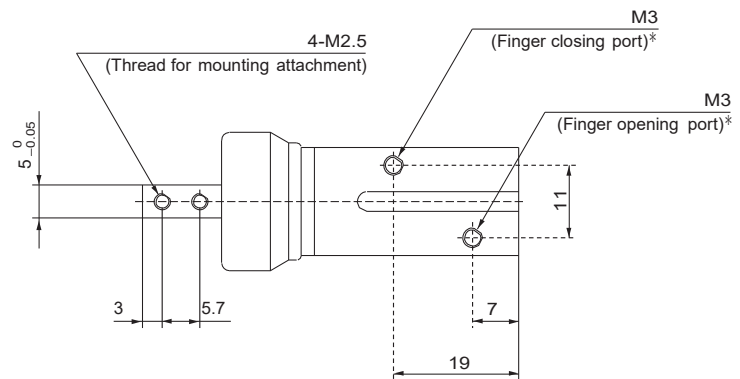


Auto Switch Mounting Groove Dimensions

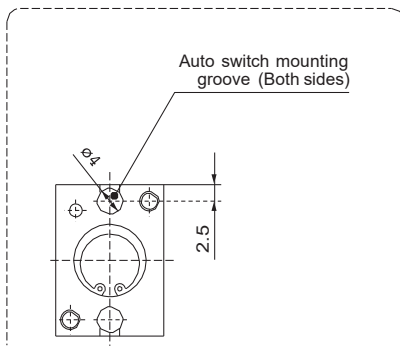


* For single action, the port on one side is a breathing hole.

Dimensions: MHZJ2-10DDouble acting/Single acting. Basic type
With Dust Cover



**Auto Switch Mounting
Groove Dimensions**



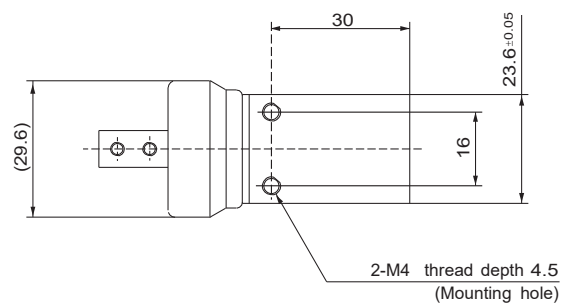
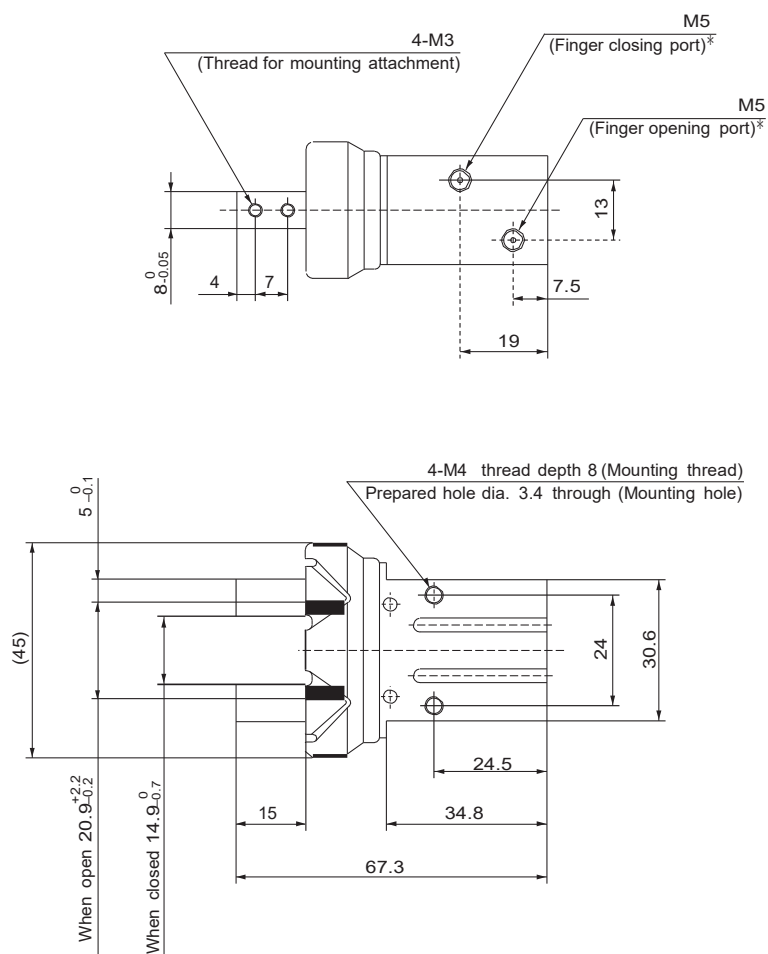
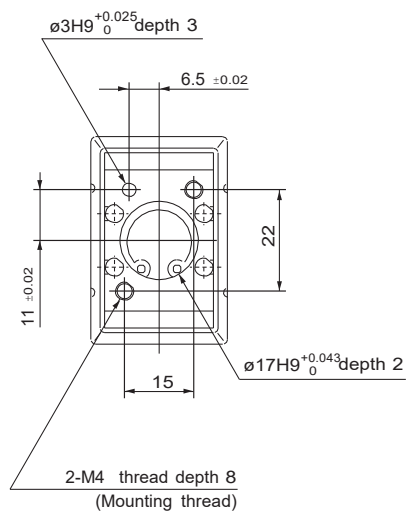
Note) When using auto switches, through-hole mounting is not possible.

* For single action, the port on one side is a breathing hole.

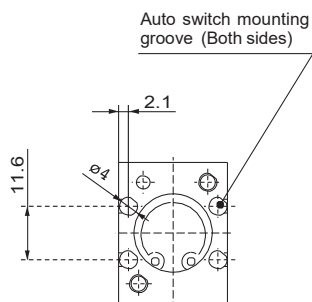
Series MHZ2/MHZJ2 Parallel Style Air Gripper Standard Type/With Dust Cover

Dimensions: MHZJ2-16D Double acting/Single acting. Basic type

With Dust Cover

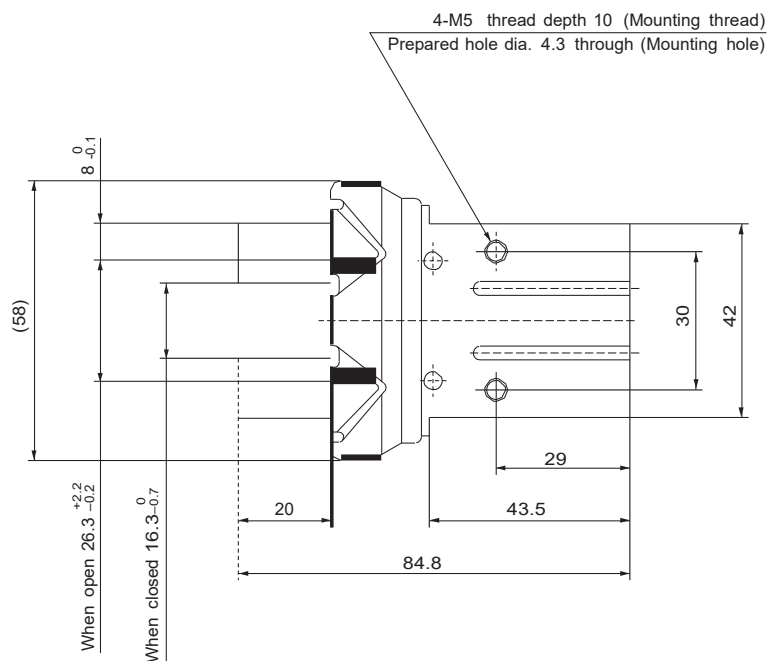
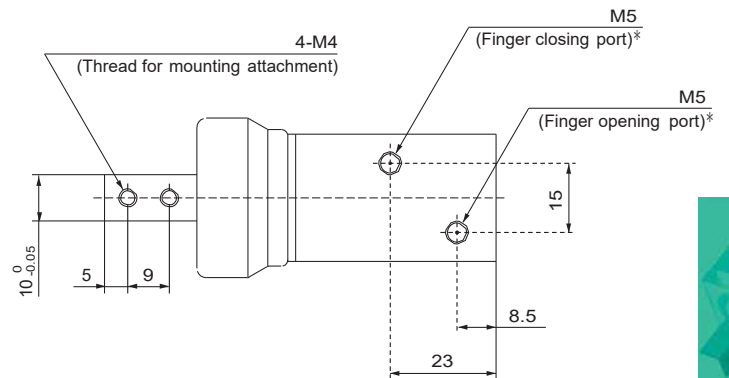
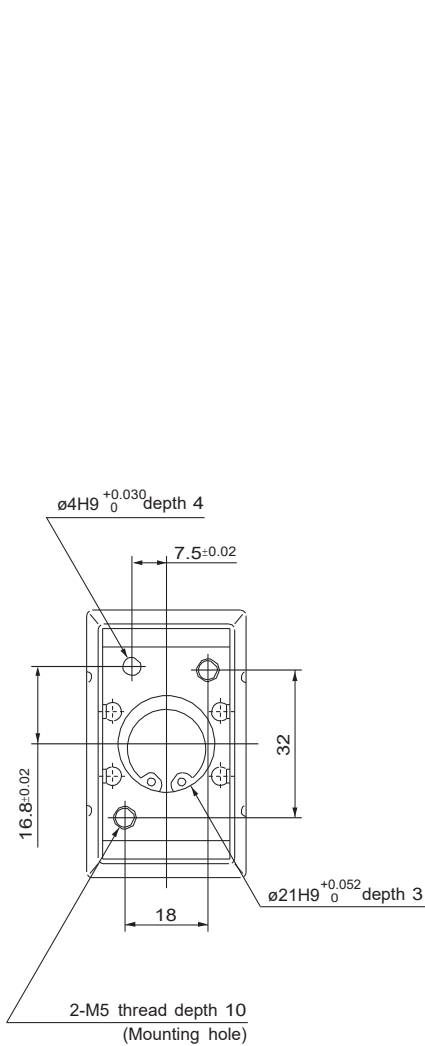


Auto Switch Mounting Groove Dimensions

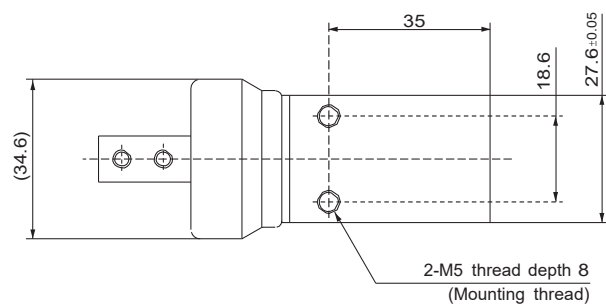
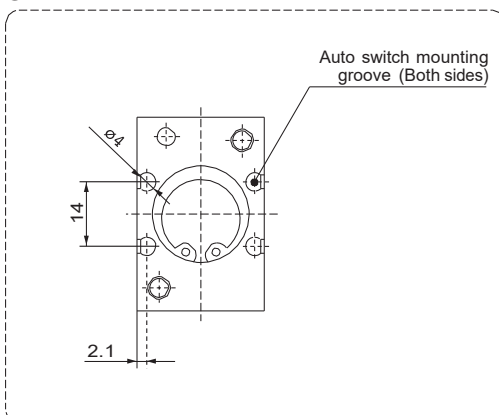


* For single action, the port on one side is a breathing hole.

Dimensions: MHZJ2-20D Double acting/Single acting. Basic type
With Dust Cover



Auto Switch Mounting Groove Dimensions

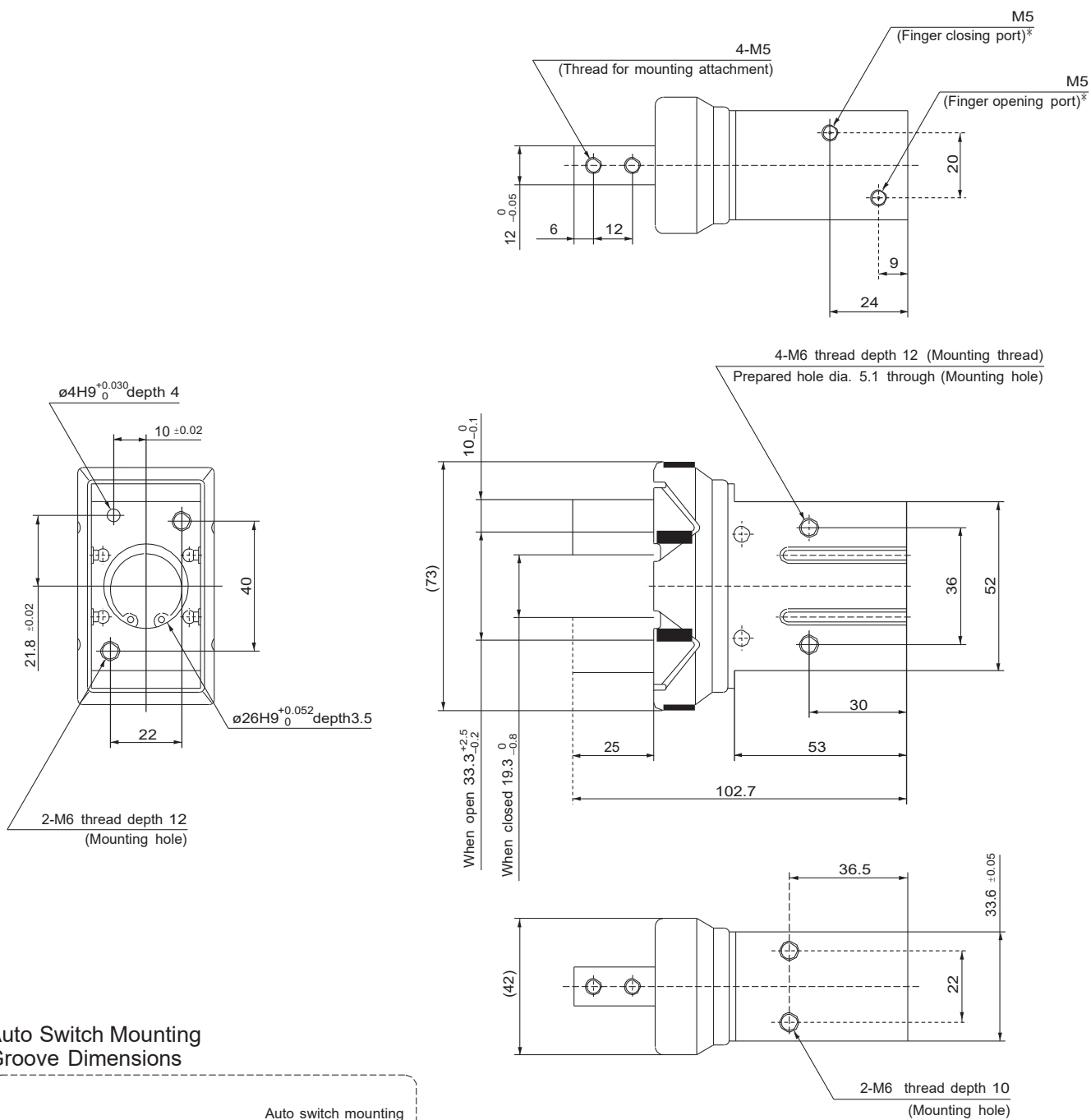


* For single action, the port on one side is a breathing hole.

Series MHZ2/MHZJ2 Parallel Style Air Gripper Standard Type/With Dust Cover

Dimensions: MHZJ2-25D Double acting/Single acting. Basic type

With Dust Cover



* For single action, the port on one side is a breathing hole.