

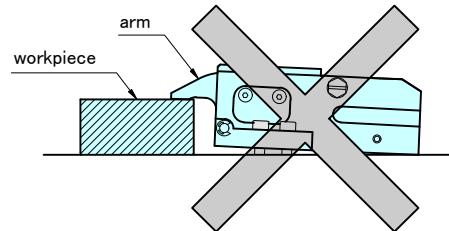
# PNEUMATIC HOLD DOWN CLAMPS

## INSTRUCTIONS

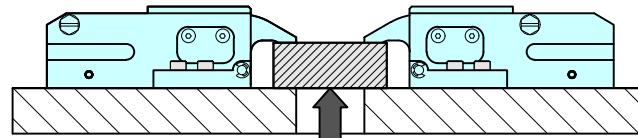
AMWD-WS

### CAUTION

1. Do not tighten the mounting screws when the clamp arm is in contact with the workpiece.



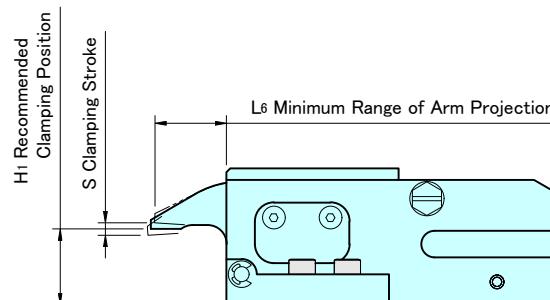
2. The allowable counterforce is shown in the chart below.  
Do not apply load over the following allowable force.



Allowable Counterforce (Per Clamp)

Part Number	Allowable Force (kN)
AMWD16-WS	1
AMWD25-WS	2.2

3. For secure clamping, follow the S Clamping Stroke below.

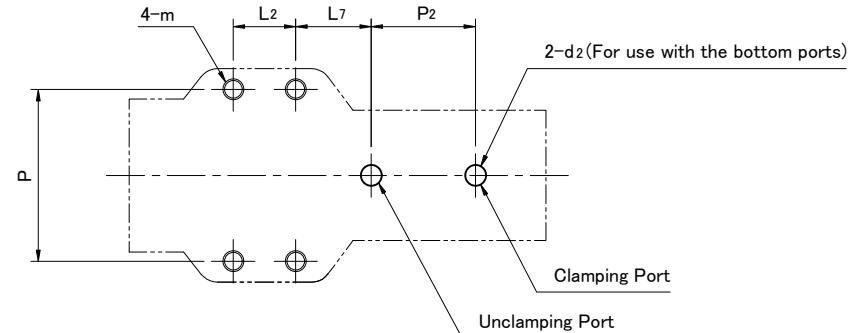


Part Number	S	H1	L6
AMWD16-WS	2	20	19
AMWD25-WS	3	30	30.5

4. Use clean air by removing moisture and debris with an air dryer and air filter.

5. Impurities in the compressed air can cause malfunction.

### Hole Preparation

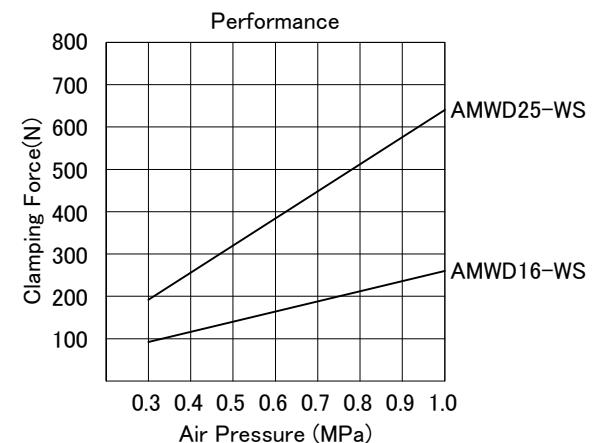
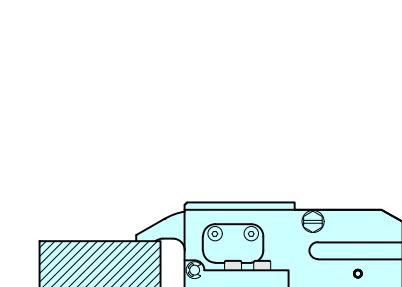


Part Number	P	L <sub>2</sub>	L <sub>7</sub>	P <sub>2</sub>	m	d <sub>2</sub>
AMWD16-WS	35	12	21	27	M4 × 0.7	ϕ 2 – ϕ 4
AMWD25-WS	53	20	34	38	M6 × 1	ϕ 2 – ϕ 6

### Specifications

Part Number	Operating Air Pressure (Mpa)	Side Ports	Bottom Ports
AMWD16-WS	0.3 – 1.0	M5 × 0.8	CO 0006 (P 9) NOK
AMWD25-WS			CO 0013 (P14) NOK

Part Number	Mounting Screw	Weight (g)
AMWD16-WS	SHCS M4 × 15L	250
AMWD25-WS	SHCS M6 × 20L	850

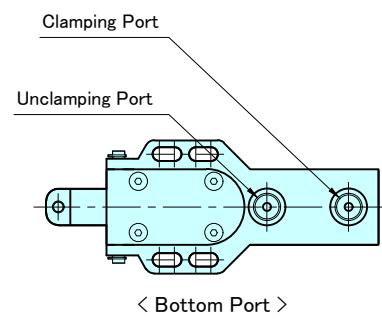
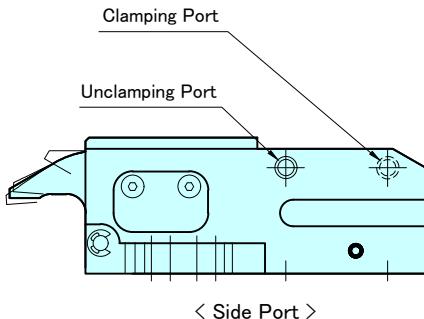


## SENSOR BRACKETS INSTRUCTIONS

AMWD-WS-B

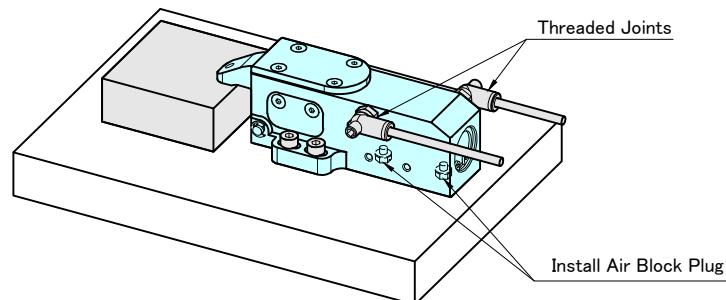
## How To Use

Two Options of Port Positions : Side Port and Bottom Port



## To Use with Side Ports

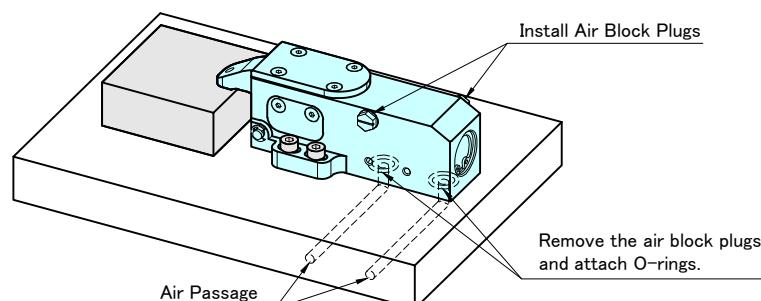
- Ensure that the furnished air block plugs are attached to the bottom ports.
- Remove the air block plugs on the side ports and connect the piping.



## To Use with Bottom Ports

- Ensure that the furnished air block plugs are attached to the side ports.
- Remove the air block plugs on the bottom ports and attach O-rings (included) to it.

Note : Plate surface must be flat (▽) to get the bottom ports sealed up.



## CAUTION

Sensors must be prepared by customers.

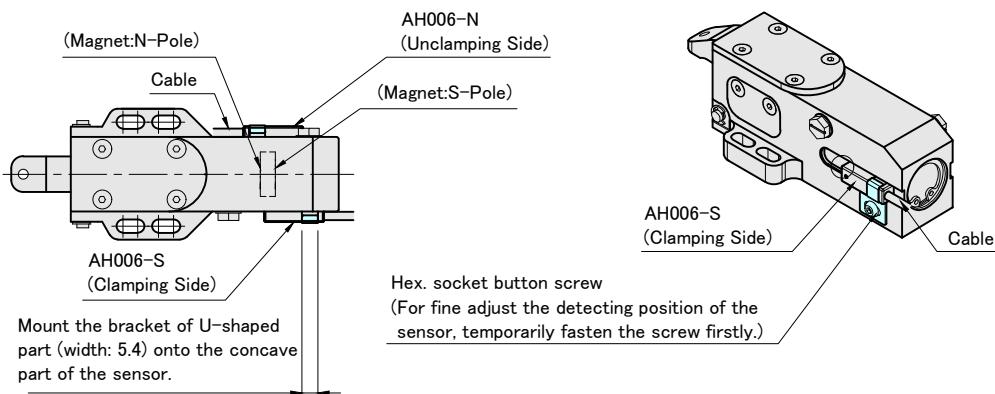
Part Number	Proper Sensor *)
AMWD16-WS-B	AH006-S, N
AMWD25-WS-B	

\*) Use Magnetic Proximity Sensors of ASA ELECTRONICS INDUSTRY CO., LTD.  
Please refer to their catalog for details of sensors.

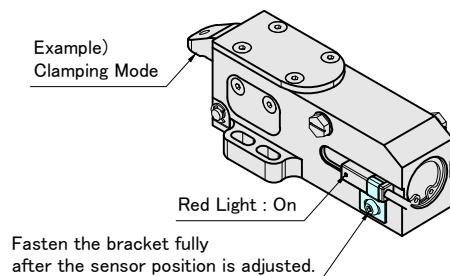
## How To Use

<1> Ensure to use with 1 pc. each of AH006-S (S-Pole) and AH006-N (N-Pole).  
Mount each bracket with hex. socket button head screws (included). \*\*)

\*\*) Take notice of mounting each sensor in the right direction.  
Do not fully tighten the screws instantly to fine adjust  
the detecting positions of the sensors as indicated in <2>.



<2> Adjust the sensor detecting position in slotted hole range of the bracket.  
Check if the sensor red light is turned on  
when clamped at AH006-S (S-Pole) & unclamped at AH006-N (N-Pole).



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