PNEUMATIC PULL CLAMPS **INSTRUCTIONS**

AMWPD40-W AMWPD63-W

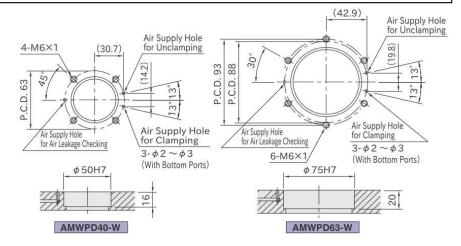
Precautions

This product is normally in clamping condition by spring force.

Clamping Pins / Screws cannot be inserted to the clamp without air supply. Supply air to the unclamping port and set the workpiece.

Specifications M-Checking Port M-Unclamping Port (Threaded) M-Clamping Por (Threaded) 4-For M6 Socket-Head AMWPD40-W Clamping Port Checking Por (O-ring) (O-ring) D₁ (g6) Part Number D_2 H₄ H₂ (F7) 6-For M6 Socket-Hea Cap Screws AMWPD40-W 40 40 75 38 50 15 30 63 M5×0.8 26 8 AMWPD63-W 12 63 50 105 47 75 19 35 88 AMWPD63-W Operating Air Clamping Force Weight Part Number Furnished O-ring Pressure (MPa) (kg) AMWPD40-W 1.3 AMWPD63-W 2.5 3.2

Hole Preparation





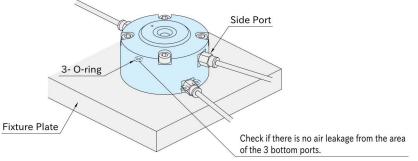
How To Use

1. How To Mount

Two options for air supply from ports on Side or Bottom.

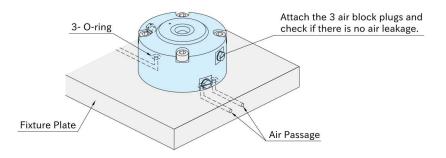
(1) Side Ports

- •Remove the air block plugs from the side ports and attach fittings to the ports.
- •Attach the furnished o-rings to the bottom ports.
- •Plate surface must be flat $(\stackrel{63}{\vee})$ to get the bottom ports sealed up.
- •Check if there is no air leakage from the area of the bottom ports.



(2) Bottom Ports

- •Attach the furnished o-rings to the bottom ports.
- •Plate surface must be flat $(\frac{63}{\checkmark})$ to get the bottom ports sealed up.
- •Refer to the figure below for the hole details.
- •Ensure that the furnished air block plugs are attached to the side ports.

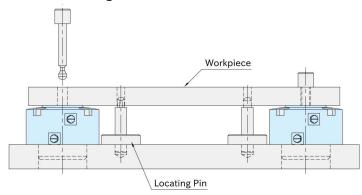


^{*)} The dimensions above are for ports with o-ring.

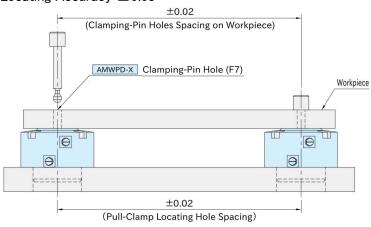
^{**)} The clamping forces above are at 0.5 MPa.

2. How To Locate Workpiece

(1) Use with Locating Pins

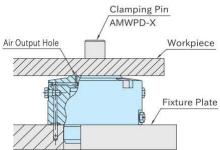


(2) Use Pneumatic Pull Clamp for Positioning Locating Accuracy ±0.08



3. Checking Hole

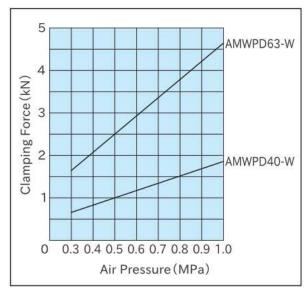
Apply air through the air output hole to check if the workpiece is clamped correctly.





Technical Information

<Performance Curve>



<Allowable Counterforce (Per Clamp)>

Part Number	Max. load (N)
AMWPD40-W	Clamping force × 2
AMWPD63-W	

Precautions

- •Use clean air by removing moisture and debris with an air dryer and air filter.
- •Impurities in the compressed air can cause malfunction.

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