

# Instructions for PNEUMATIC FLEX LOCATORS

AMWF-W, AMWF-BU

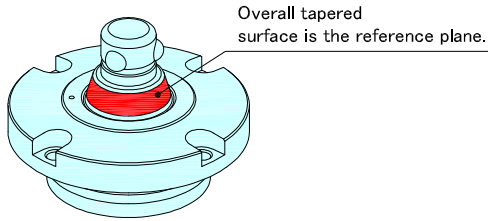
For safe operation of the AMWF-W, please read this instructions carefully before using.  
Please keep this instruction manual for future reference

## Product Specification

### ■ PNEUMATIC FLEX LOCATOR PINS

#### Tapered Type

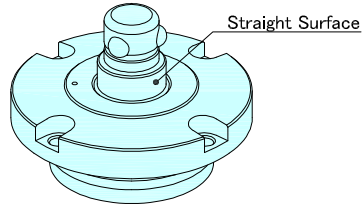
Used for clamping and locating



【Part Number】  
AMWF40-W-T / AMWF50-W-T

#### Straight Type

Used for clamping only



【Part Number】  
AMWF40-W-S / AMWF50-W-S

Type		Furnished O-ring	Operating Air Pressure (MPa)*	Clamping Force (kN)
AMWF-W-T	40	P4	0.5	4
AMWF-W-S	50	P5		6.3

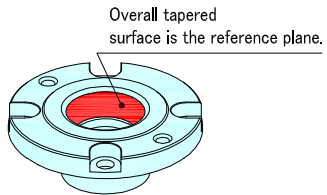
Clamping Force at 0 Mpa Air Pressure  
(Clamping Force of Spring)  
• AMWF40 Type...1.2kN  
• AMWF50 Type...1.8kN

\*) At least 0.45 MPa is required for unclamping.  
The maximum operating air pressure is 1 MPa.

### ■ PNEUMATIC FLEX LOCATOR BUSHINGS

#### Tapered type

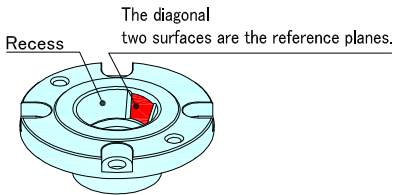
Used for clamping and locating  
For locating



【Part Number】  
AMWF40-BU-T  
AMWF50-BU-T

#### Diamond type

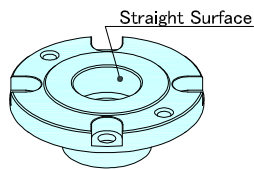
Used for clamping and locating  
For locating reference at rotational direction



【Part Number】  
AMWF40-BU-D  
AMWF50-BU-D

#### Straight type

Used for clamping only

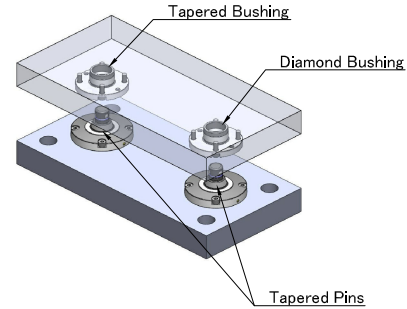


【Part Number】  
AMWF40-BU-S  
AMWF50-BU-S

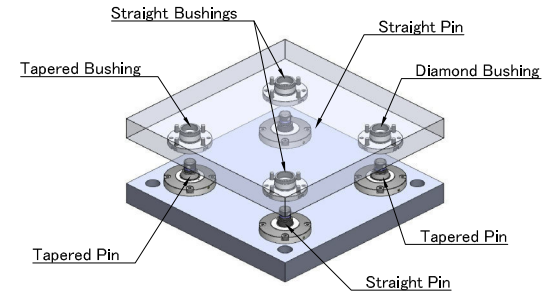
## How To Use

### ■ Layout of Pins and Bushings

For clamping at 2 points



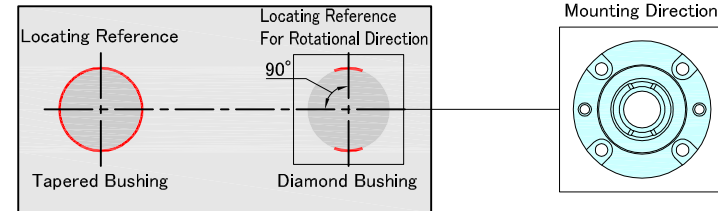
For clamping at 4 points



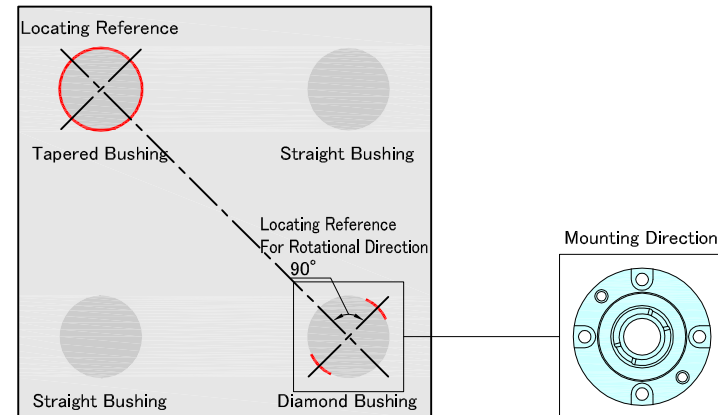
### ■ Layout and Direction of Bushings

Mount the Tapered Bushings and Diamond Bushings as in the figure below for locating fixture plates.  
Pay attention to the mounting direction of the Diamond Bushings, since the direction for use at 2 points and the direction for use at 4 points differ.

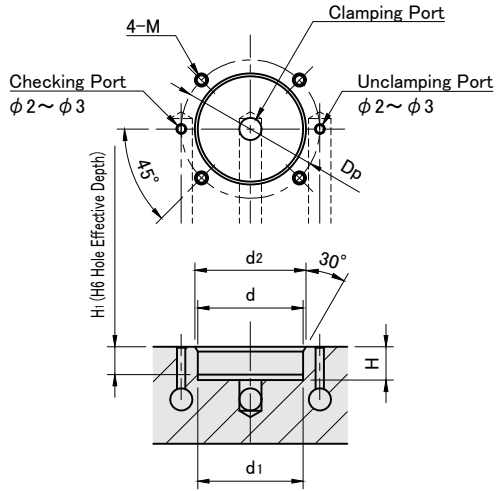
For clamping at 2 points



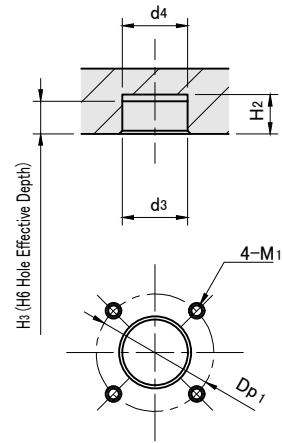
For clamping at 4 points



■ Mounting Hole Dimensions For Pins



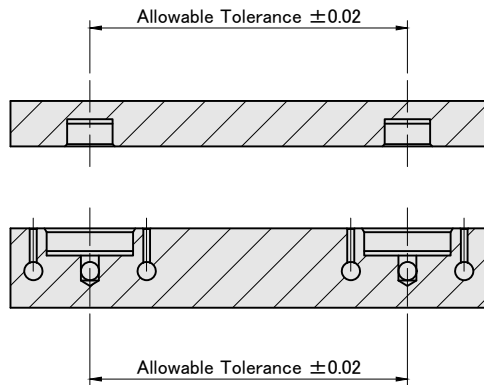
■ Mounting Hole Dimensions For Bushings



Type	d (H6)	H <sub>1</sub>	d <sub>1</sub> (- $\frac{3}{31}$ )	H	d <sub>2</sub>	M	D <sub>p</sub>
AMWF40-W	48	12	48	16	50	M5×0.8	60
AMWF50-W	58	16	58	20	60	M6×1	72

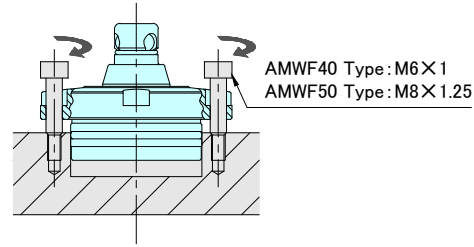
Type	d <sub>3</sub> (H6)	H <sub>3</sub>	d <sub>4</sub> (- $\frac{3}{31}$ )	H <sub>2</sub>	M <sub>1</sub>	D <sub>p1</sub>
AMWF40-BU	28	12	28	16	M5×0.8	50
AMWF50-BU	36	16	36	20	M6×1	62

■ Spacing Tolerance



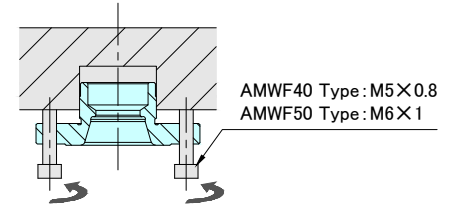
■ How to Remove Pins

For easier removal, insert screws into the tapped holes and screw them.



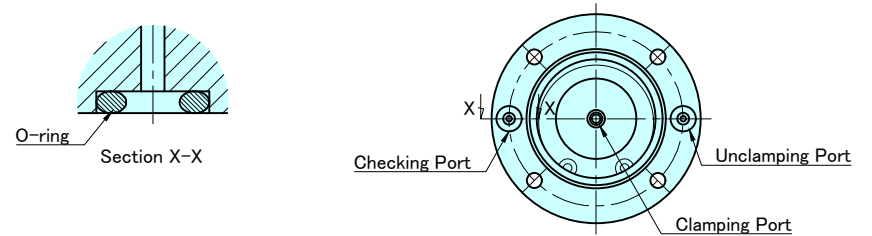
■ How to Remove Bushings

For easier removal, insert screws into the tapped holes and screw them.



Precautions

※Be sure to attach O-ring to PNEUMATIC FLEX LOCATOR PINS before installing in the base plate.



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

IMAO CORPORATION

【CONTACT US】

Export Sales Team

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