AMWFH-O　JAWS FOR EXTERNAL FORM HOLDING

IMAO

RoHS

Jaw	Locking Ring
A7075 aluminum Anodized Blue	S45C steel Black oxide finish

H
H₁
H₂ (Machinable Depth)
Seating Surface
M Hex Socket Button Head Screw
M₁
D
d
D₁
T
Locating Hole
Locking Ring
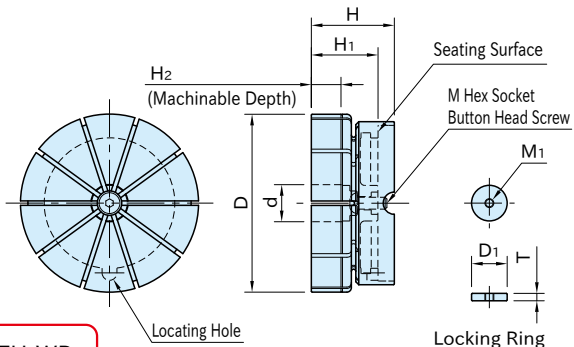
★Key Point
Machinable jaws for AMWFH-WP

| Part Number	D	d	H	H₁	H₂	M	M₁	D₁	T	Weight (kg)	Pneumatic Clamping Modules	Clamping Pins
AMWFH105-120O	120	25	56	45	20	M 8×20L Across Flats 5	M6×1	24	5	1	AMWFH105-WP	AMWFH105-M 8S
AMWFH140-160O	160	29	64	53	25	M12×25L Across Flats 8	M8×1.25	28	6	2.2	AMWFH140-WP	AMWFH140-M12S

Supplied With
・1 of Locking Ring
・1 of Hex Socket Button Head Screw

Technical Information
・Workpiece locating repeatability:±0.03
・Jaw locating repeatability:±0.02

Feature

Unclamping
Clamping
②　　②
①
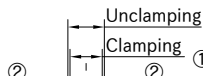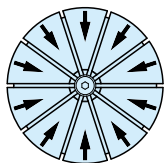
①The central bottom part of the jaw is pulled down by supplying air to the turbo port.

②The 10 jaw sections tilt toward the center to clamp the external form of workpiece.

・The diaphragm clamping mechanism allows to clamp the workpiece securely with 10 jaw sections.
・Various shapes can be held.
・The allowable compression diameter is 0.6 mm, making it ideal for lost wax, die cast, extruded, drawn, and premachined workpieces.
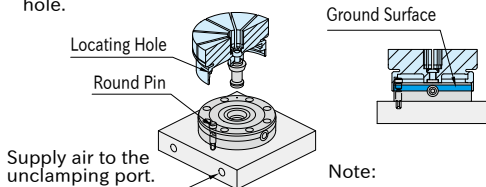
■ Jaw Mounting

1.Fix Clamping Pin
・Fix clamping pin with the furnished button head screw.

Hex Wrench A
Hex Socket Button Head Screw (Included)
Jaw
Clamping Pin
Hex Wrench B
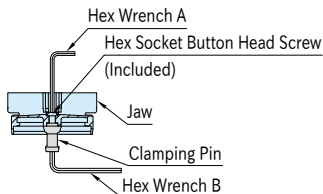
2.Mount on Clamping Module
・Supply air to the unclamping port and mount the jaw.
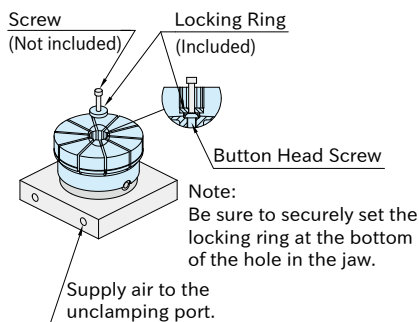・Mount the jaw by inserting the round pin into the locating hole.

Locating Hole
Round Pin
Supply air to the unclamping port.

Ground Surface

Note:
Press the jaw until the ground surface of the module is covered.

Jaw	Clamping Pin	Hex Wrench A	Hex Wrench B
AMWFH105-120O	**AMWFH105-M 8S**	Size 5	Size 6
AMWFH140-160O	**AMWFH140-M12S**	Size 8	Size 10

For mounting instruction of Clamping Module, see AMWFH-WP datasheet.

■ Jaw Machining

1.Set the locking ring in the jaw.
(Using a screw facilitates setting.)

Screw (Not included)
Locking Ring (Included)
Button Head Screw

Note:
Be sure to securely set the locking ring at the bottom of the hole in the jaw.

Supply air to the unclamping port.

2.Release air from the unclamping port and clamp the locking ring by spring force of the module. Remove the screw from the locking ring after clamping.
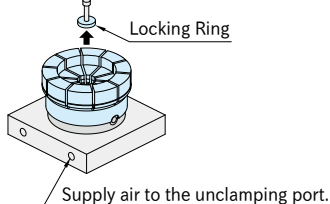
Release air from the unclamping port.
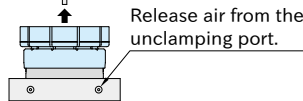
3.Machine the jaw to the contours of workpiece. Keep the machinable depth.

Machinable Depth
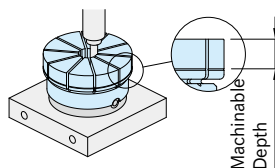
■ Workpiece Loading

1.Supply air to the unclamping port and remove the locking ring.

Locking Ring

Supply air to the unclamping port.

2.Load the workpiece and supply air to the turbo port.

Workpiece

Supply air to the turbo port.

Performance Curve

AMWFH140-160O
AMWFH105-120O

Clamping Force (kN) — 2, 4, 6, 8, 10, 12
Air Pressure (MPa) — 0, 0.6, 0.7, 0.8, 0.9, 1.0
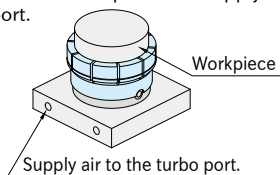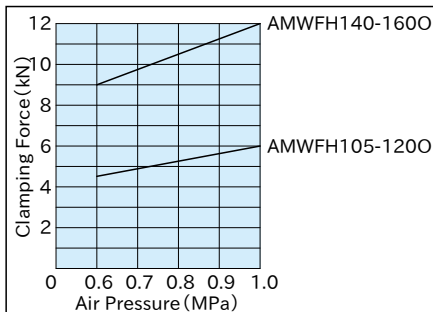
✎ Note

Do not actuate clamping without a workpiece to avoid damage and deformation.