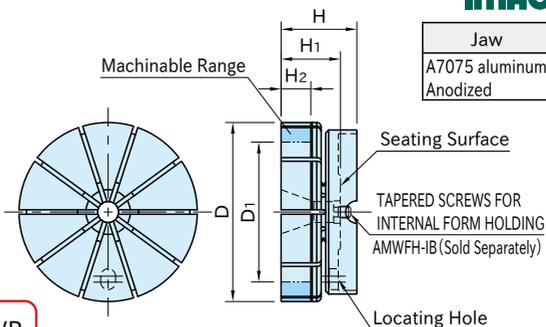


AMWFH-I

JAWS FOR INTERNAL FORM HOLDING



Jaw
A7075 aluminum Anodized

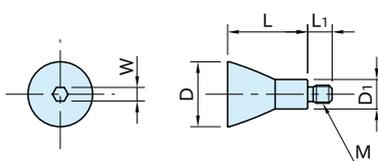
★ **Key Point**
Machinable jaws for AMWFH-WP

Part Number	D	H	H ₁	H ₂	D ₁ *)		Weight (kg)	Pneumatic Clamping Modules	Tapered Screws	Clamping Pins
					min.	max.				
AMWFH105-120I	120	51	40	20	36	119	1	AMWFH105-WP	AMWFH105-120IB	AMWFH105-M 8S
AMWFH140-160I	160	59	48	25	40	159	2.1	AMWFH140-WP	AMWFH140-160IB	AMWFH140-M12S

*) Values are for reference only. The remaining jaw thickness should be determined considering the machining load.

AMWFH-IB

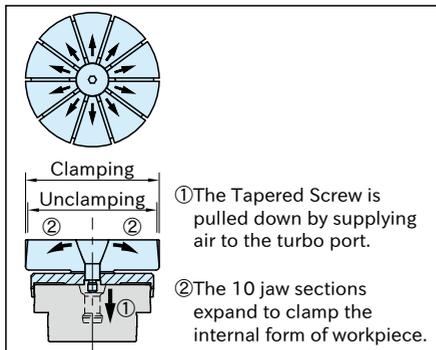
TAPERED SCREWS FOR INTERNAL FORM HOLDING



Part Number	D	L	M	L ₁	D ₁	W	Weight (g)	Jaws
								AMWFH105-120I
AMWFH105-120IB	29	36	M 8x1.25	11	13.2	6	85	AMWFH105-120I
AMWFH140-160IB	33	43	M12x1.75	15	18	10	140	AMWFH140-160I

Body
SCM435 steel Quenched and tempered Electroless nickel plated

Feature



- The jaw sections expanded by the tapered surface hold the workpiece securely.
- Various shapes can be held.
- The allowable expansion diameter is 0.6 mm, making it ideal for lost wax, die cast, extruded, drawn, and premachined workpieces.

Technical Information

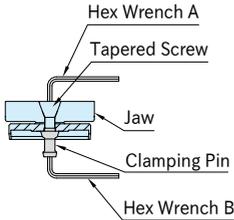
- Workpiece locating repeatability: ±0.03
- Jaw locating repeatability: ±0.02

How To Use

Jaw Mounting

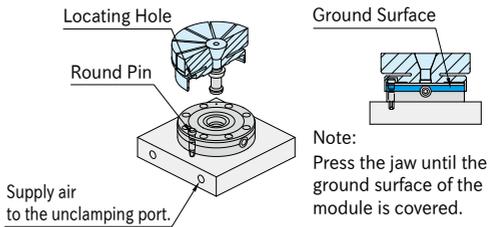
1. Fix Clamping Pin

- Fix clamping pin with the Tapered Screw.



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.

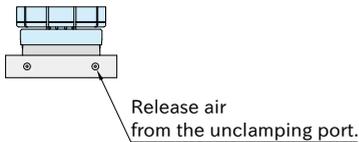


Jaw	Clamping Pin	Tapered Screws	Hex Wrench A	Hex Wrench B
AMWFH105-120I	AMWFH105-M 8S	AMWFH105-120IB	Size 6	Size 6
AMWFH140-160I	AMWFH140-M12S	AMWFH140-160IB	Size 10	Size 10

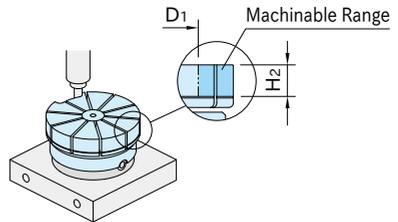
For mounting instruction of Clamping Module, see [AMWFH-WP](#) datasheet.

Jaw Machining

- Release air from the unclamping port. The Tapered Screw is pulled down and the jaw expands.

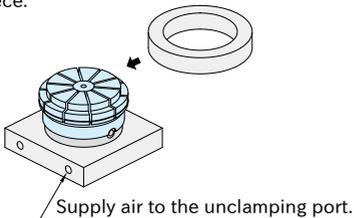


- Machining the jaw to the contours of the workpiece, within the machinable range.

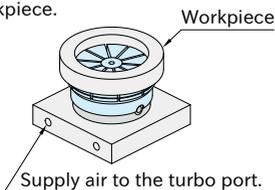


Workpiece Loading

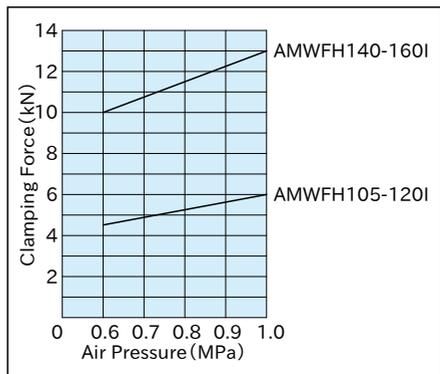
- Supply air to the unclamping port and load the workpiece.



- Supply air to the turbo port and clamp the workpiece.



Performance Curve



Note

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