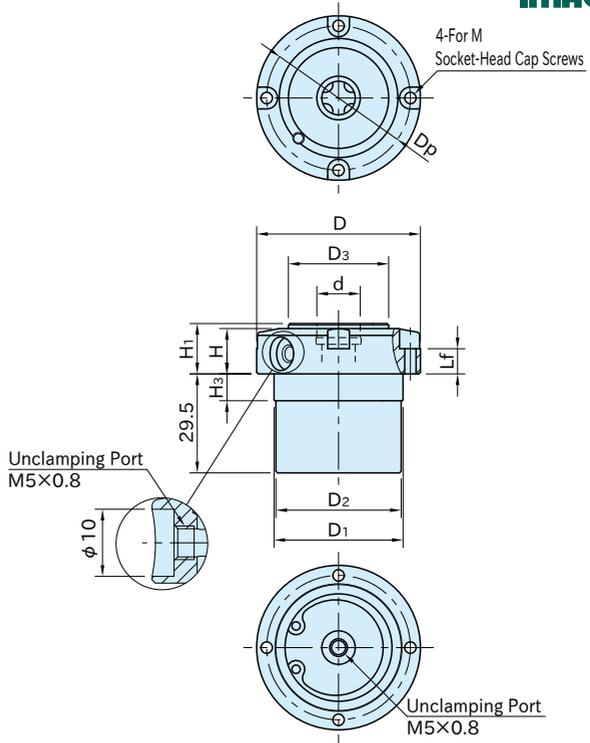


# AMWFH-S

# PNEUMATIC CLAMPING MODULES



## ★Key Point

High clamping force by spring-loaded mechanical lock.

Body	Ball	Spring
SCM440 steel Electroless nickel plated	SUS440C stainless steel	Equivalent to SWOSC-V steel

Part Number	D <sub>1</sub> ( <sup>-0.01</sup> / <sub>-0.04</sub> )	H <sub>3</sub>	D <sub>2</sub>	D	H	D <sub>3</sub>	H <sub>1</sub> (±0.02)	d ( <sup>+0.04</sup> / <sub>+0.01</sub> )	M	Lf	Dp
<b>AMWFH49-S</b>	38	8	37.5	49	13.5	30	15	13	M3	7.5	43
<b>AMWFH64-S</b>	48	10	47.5	64	18	40	20	15	M4	10.5	56

Part Number	Air Pressure (MPa) *	Clamping Force (kN)	Holding Force (kN) **)	Weight (g)	Clamping Pins
<b>AMWFH49-S</b>	0.3	0.6	3	370	AMWFH49-M6L, AMWFH49-M6S
<b>AMWFH64-S</b>		1	4	760	AMWFH64-M8L, AMWFH64-M8S

\*) For unclamping

\*\*) Exceeding the holding force will result in product failure. This value does not include a safety factor.

## Reference

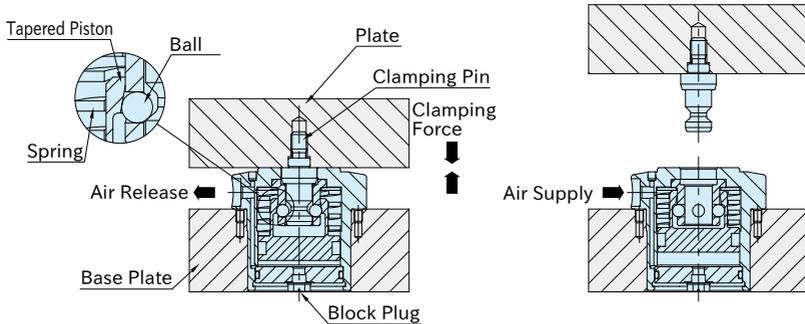
How To Install PNEUMATIC CLAMPING MODULES

## Related Product

[AMWFH-M](#) CLAMPING PINS

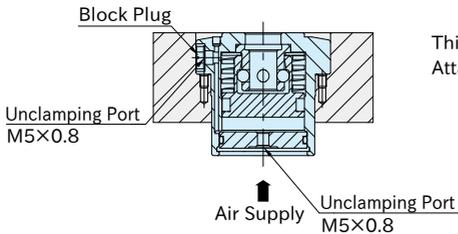
## Feature

Single acting and spring clamping module. Supply air for unclamping, release for clamping.



Releasing air allows the spring to push down the tapered piston. The balls pushed by the piston pull down the clamping pin. Keeps clamping without air supply.

Supplying air allows the tapered piston to rise. The balls become loose and the clamping pin is released.



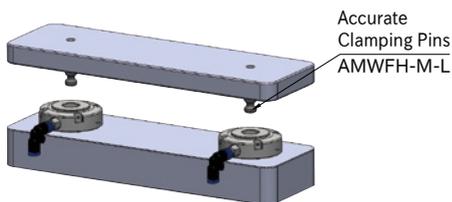
This module has 2 pneumatic ports for unclamping. Attach the furnished block plug to the unused port.

## How To Use

### ■ Clamping Pin

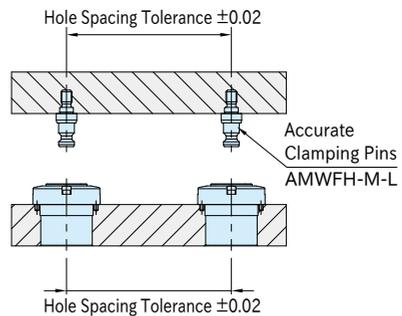
Use accurate clamping pins for locating.

Note: Use accurate clamping pins for 2 places and standard ones for other places when using 3 clamping pins or more.



### ■ Repeatability

Repeatability  $\pm 30 \mu\text{m}$



## Note

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