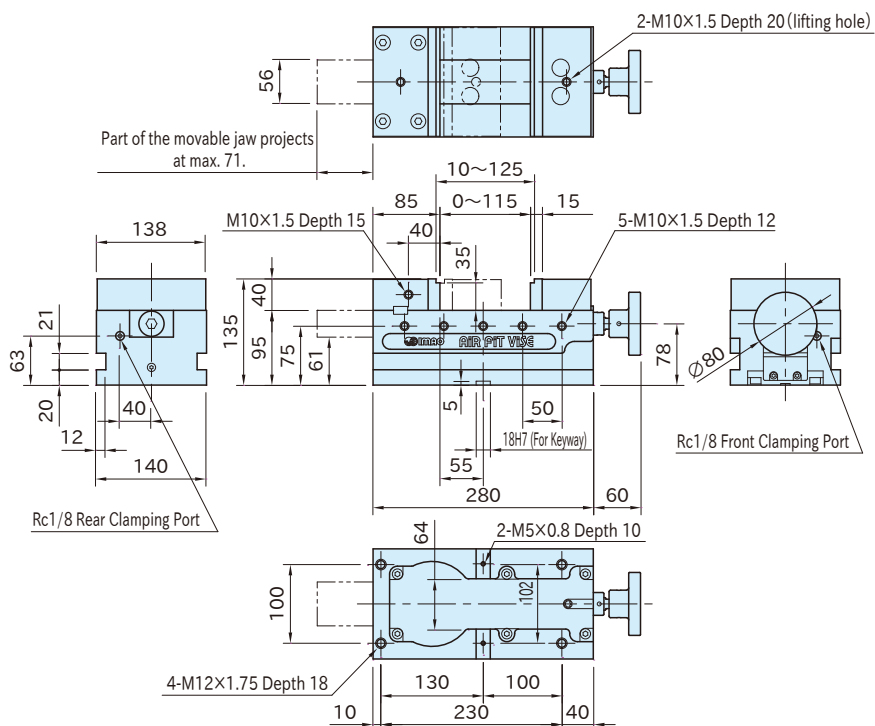


AMLFV-S

COMPACT PNEUMATIC VISE



Body	Jaws	Handwheel
SCM440 steel Induction hardened Precision ground	SCM440 steel Quenched & tempered Precision ground	A5056 aluminum Anodized



Part Number	Clamping Stroke	Operating Air Pressure (Mpa)	Clamping Force *)	Mechanism		Weight (kg)
				Clamp	Unclamp	
AMLFV1428-S	2	0.1~1	14	Air	Spring	30

*) The clamping force above is at 0.5 MPa.

Supplied With

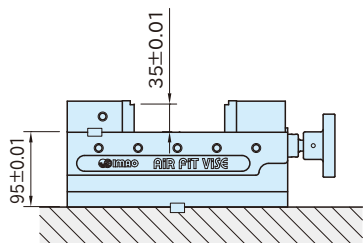
- 2 of eyebolt

Related Products

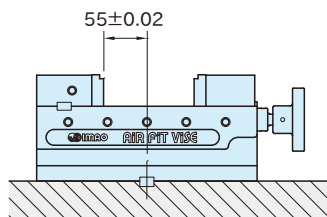
- Use [MVAC-CS](#) PAIR OF CLAMPS for the vise unit fixing.
- For 14 T-slot positioning, use [MVAC-SK](#) PAIR OF POSITIONING KEYS.
- For 18 T-slot positioning, use [AMLFV-FK](#) PAIR OF POSITIONING KEYS.

Technical Information (Static Accuracy)

① Height of supporting surface



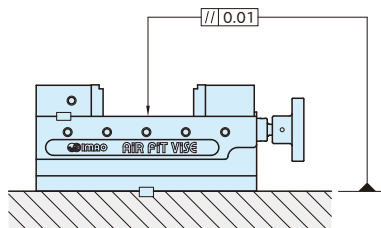
② Position of fixed jaw **)



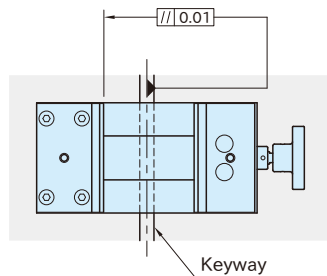
**) How to use in parallel.

For using multiple vises in parallel, we align the fixed jaw within ± 0.01 . Specify as "Parallel Use" and the number of vise when ordering.

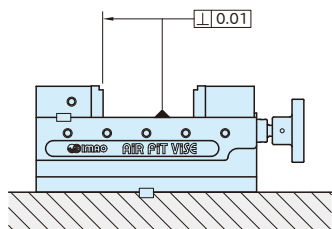
③ Parallelism of top and bottom surfaces of base



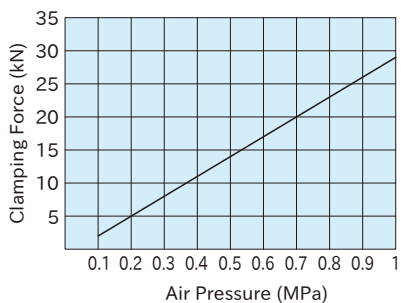
④ Parallelism of keyway and fixed jaw



⑤ Squareness of fixed jaw and top surface of base



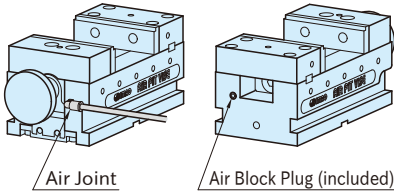
Performance Curve



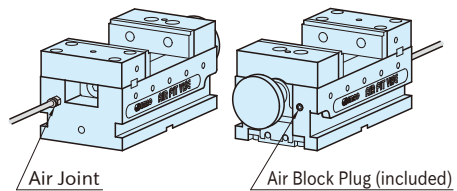
How To Use

■ Connection With Air

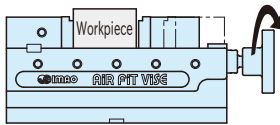
- To use the front clamping port, attach an air block plug (included) into the rear port.



- To use the rear clamping port, attach an air block plug (included) into the front port.

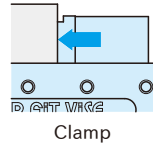


■ Operation

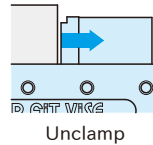


Turn a handwheel for setting a movable jaw at the desired clamping range.

Air ON



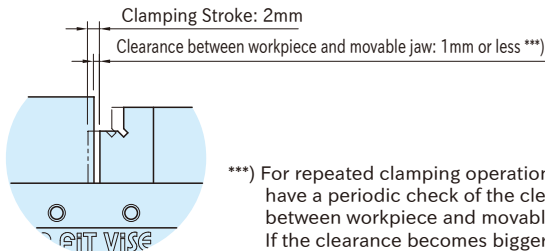
Air OFF



■ Clamping Same Shape Workpieces

The clamping stroke of the movable jaw is 2mm with air supply.

The clearance between workpiece and the movable jaw should be 1mm or less.

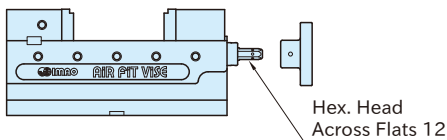


***) For repeated clamping operation, have a periodic check of the clearance between workpiece and movable jaw. If the clearance becomes bigger by repeated clamp operation, the clamping force may decrease.

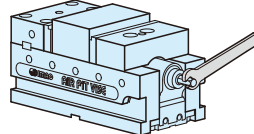
Features

■ How To Mount/Remove Handwheel

- One-touch attachment of the handwheel is possible for its inside plunger mechanism.



- Can be operated without air supply. For that case, remove the handwheel and use spanner or such tools for clamping. Allowable Tightening Torque: 50 Nm (Clamping Force: 10kN)



Notes

- This vise is single actuated. (Clamp with Air Supply / Unclamp with Air Release) Please prepare three-directional control valve.
- Air joint, tube, directional control valve and such accessories are not available from Imao.