



MODEL H8188 MULTIPURPOSE VISE INSTRUCTION SHEET

Introduction

Specifications

Flat Jaw Size	4" x 1 ³ / ₁₆ "
Maximum Jaw Opening	4"
Pipe Jaw Maximum Diameter	1 ⁷ / ₈ "
Maximum Throat Depth	2 ¹ / ₄ "
Mounting Pattern	100mm/4-hole square
Base Swivel Capability	360°
Jaw Rotation Capability	360°
Weight	22 lbs.

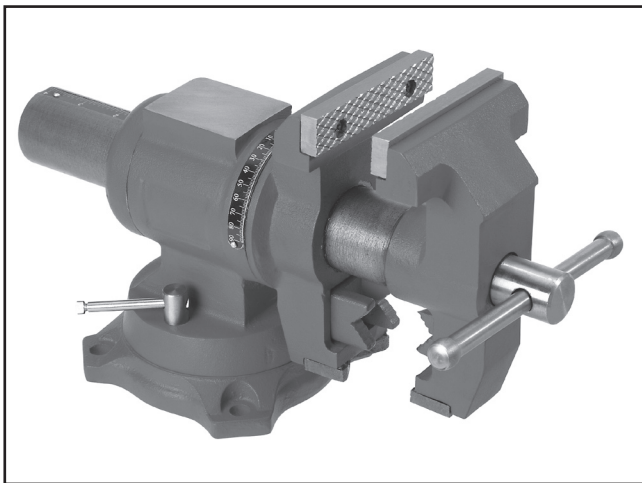


Figure 1. Model H8188 Multipurpose Vise.

!WARNING

This vise is not a toy. DO NOT use as a crushing tool and never clamp a container with compressed or explosive contents. Serious injury may occur if this vise is used incorrectly.

Site Considerations

Placement Location

Consider the existing and anticipated needs, the size of the material to be held in the vise, and the space for auxiliary stands, work tables or other machinery when establishing a location for your new vise. See **Figure 2** for the minimum working clearances.

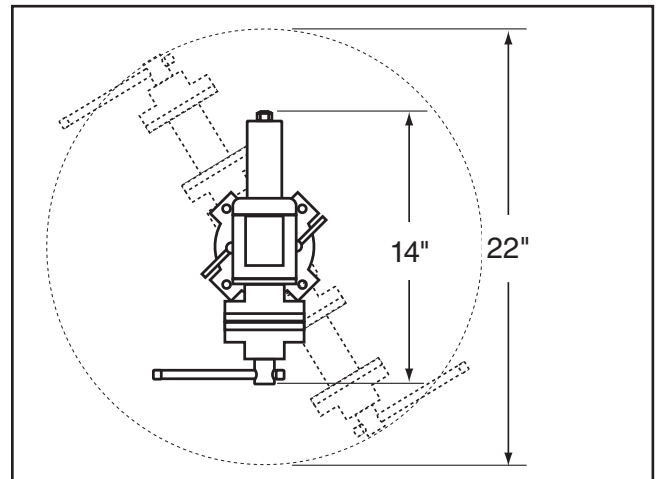


Figure 2. Minimum clearances.

Workbench Load

The H8188 Multipurpose Vise weighs 22 lbs. Some workbenches may require additional reinforcement to support both the vise, the workpiece, and any hammering or prying forces that may be applied to each.

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Mounting

The multipurpose vise must be mounted to a workbench to avoid accidental tipping. If you intend to use the vise for portable applications, mount it to a heavy metal or plywood base (at least 1" thick) that is wide enough to prevent tipping or rocking during use, then clamp the base to a workbench or table.

To mount the multipurpose vise:

1. Place the vise in its chosen location, making sure that all four corners of the vise sit flat on the mounting surface.
2. Transfer the mounting pattern directly from the vise to the workbench by marking through the vise mounting holes.
3. Attach the vise to the workbench using one of the methods outlined below.

Note: *DO NOT* overtighten the mounting bolts or you may crack the vise base.

The strongest mounting option is a "Through Mount" (**Figure 3**) where holes are drilled all the way through the workbench, and hex bolts, washers, and hex nuts are used to secure the vise to the workbench.

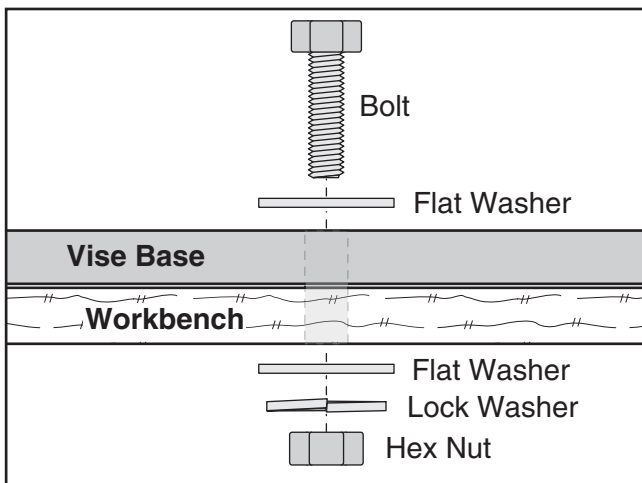


Figure 3. Example of a through mount setup.

Another option for mounting is a "Direct Mount" (**Figure 4**) where the vise is simply secured to the workbench with a lag screw.

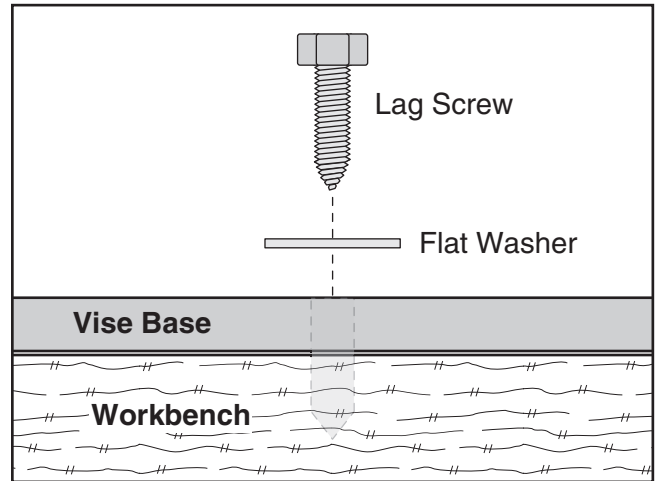


Figure 4. Example of a direct mount setup.

4. Check the stability of the mounted vise to make sure it is stable enough to be used safely.
5. Always make sure the vise is bolted or clamped to the workbench or table before use.

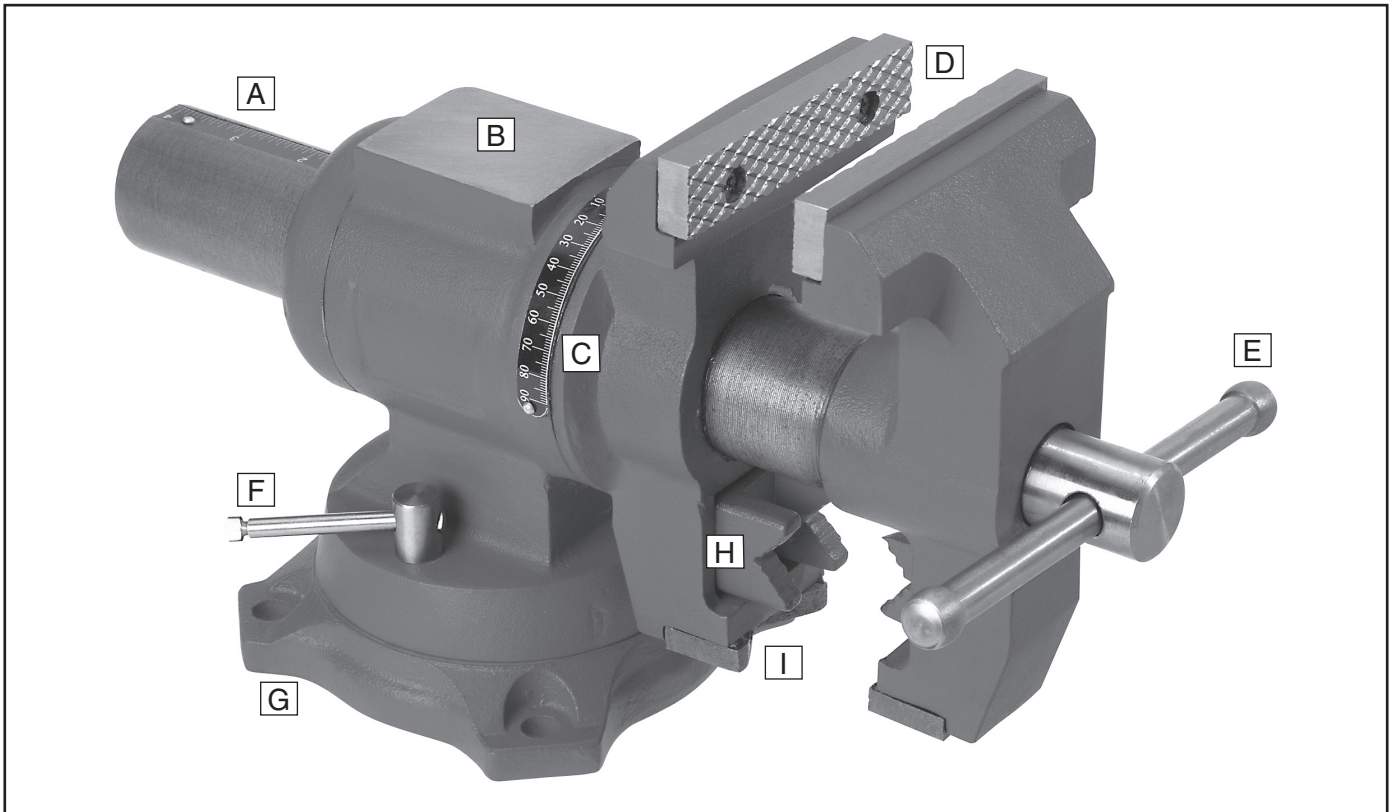
Operations

To maximize the life of your vise:

- Do not use cheater pipes on the handles to increase tightening force.
- Do not heat or weld on the vise.
- Do not store the vise in wet or damp locations.
- Only use the anvil for light tapping and workpiece shaping. Do not use large hammers and avoid hammering directly on the jaws.
- Do not pry on clamped materials in such a way that may bend or break the vise.
- Do not hammer the levers tight.
- When loosening the jaws, make sure your hands will not hit the workpiece, workbench or vise when the handle breaks free.
- Every few years, disassemble, clean, and lubricate the vise using lithium grease.



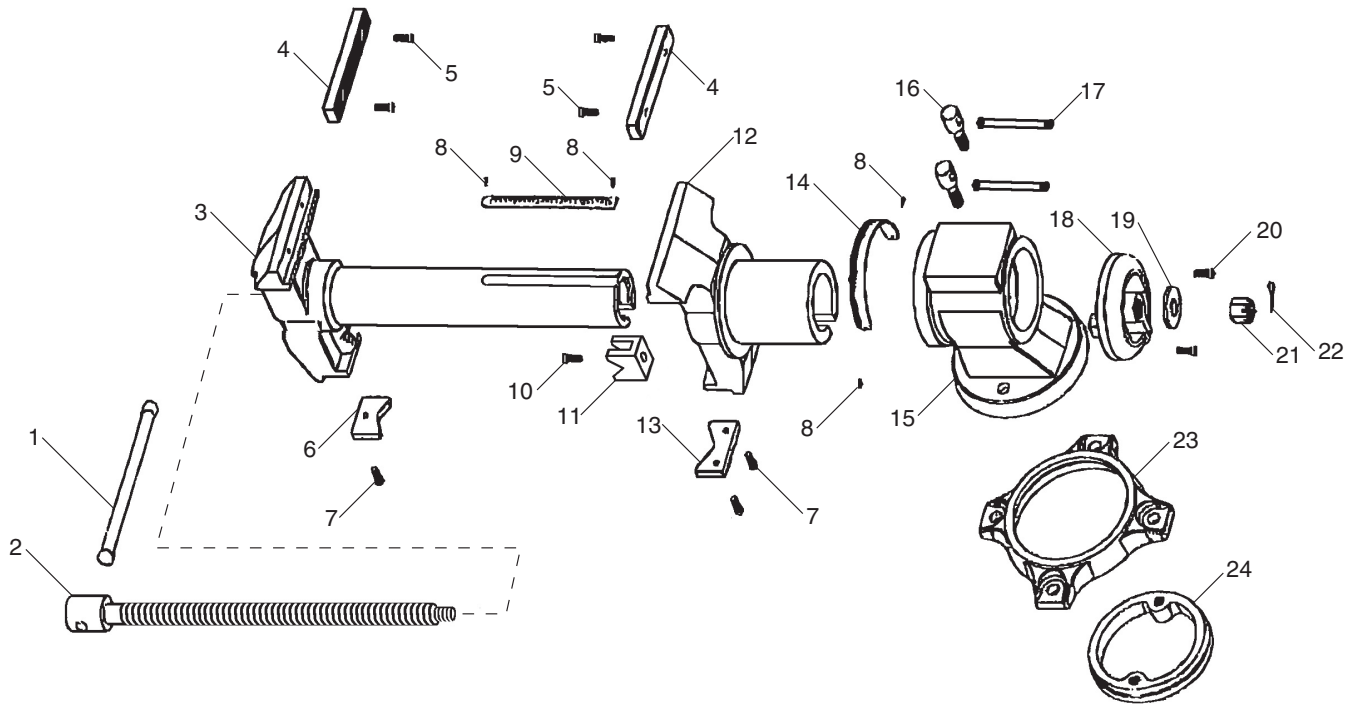
Features Overview



- A. Jaw Opening Scale:** Can be used to approximate the jaw opening size.
- B. Anvil Face:** Provides a strong and stable surface for hammering malleable materials with a small hammer.
- C. Rotating Jaws:** Allow 360° of movement and are locked by tightening of the jaw. Scale provides approximate angle readings through 180°.
- D. Standard Jaws:** Clamp flat-edged workpieces.
- E. Main Vise Handle:** Used to clamp and lock the jaws.
- F. Base Locking Levers:** Allow the base to be swiveled 360° for maximum flexibility and locked for stability.
- G. Mounting Base:** Used to attach the vise to a workbench or other suitable surface.
- H. Pipe Jaws:** Clamp pipes and other cylindrical workpieces. For easier access, they can be positioned at the top by rotating the main jaws.
- I. Cut Jaws:** Clamp irregularly shaped objects or pieces of pipe too short to be clamped by the pipe jaws.



H8188 Parts Breakdown and List



REF	PART #	DESCRIPTION
1	PH8188001	HANDLE
2	PH8188002	LEADSCREW
3	PH8188003	MOVING JAW
4	PH8188004	JAW FACEPLATE
5	PS05M	PHLP HD SCR M5-.8 X 8
6	PH8188006	OUTER CUT JAW
7	PSB03M	CAP SCREW M5-.8 X 8
8	PH8188008	RIVET
9	PH8188009	MOVING JAW SCALE
10	PSB33M	CAP SCREW M5-.8 X 12
11	PH8188011	INNER PIPE JAW
12	PH8188012	STATIONARY JAW

REF	PART #	DESCRIPTION
13	PH8188013	INNER CUT JAW
14	PH8188014	ROTATION SCALE
15	PH8188015	VICE BODY
16	PH8188016	BASE LOCK
17	PH8188017	BASE LOCK LEVER
18	PH8188018	BACK PLATE
19	PH8188019	STOP WASHER
20	PSB21M	CAP SCREW M4-.7 X 30
21	PH8188021	SPECIAL NUT M10-1.5
22	PH8188022	COTTER PIN 2 X 30
23	PH8188023	BASE
24	PH8188024	BASE LOCK RING