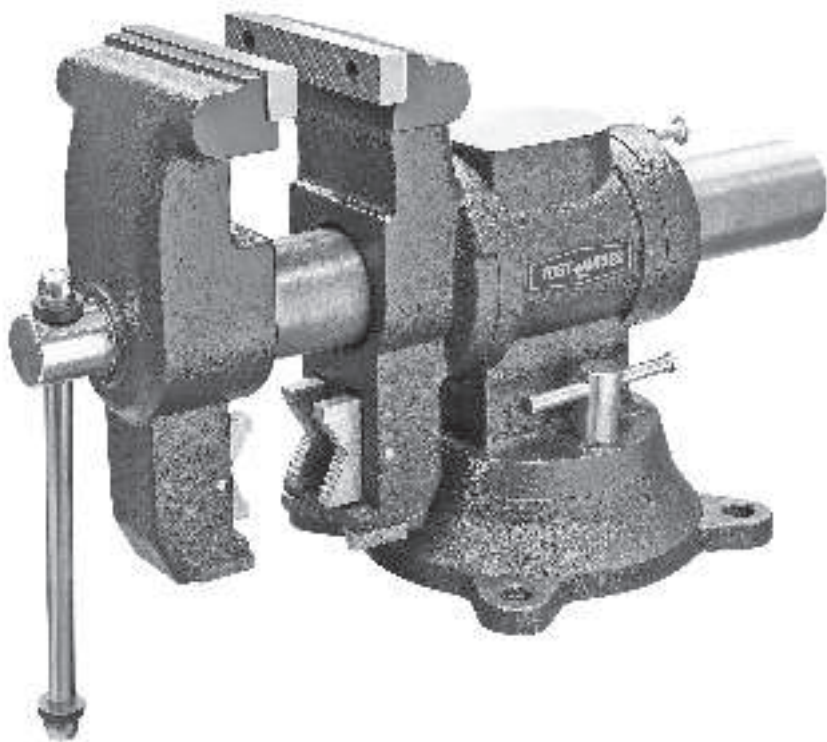


# **YOST<sup>®</sup> VISES**

**EST. 1908**

## **Rotating Head Multi Jaw Bench Vises**

### **Installation and Operating Instructions**



**Items #56432, 72800**

The **YOST ROTATING HEAD MULTI JAW VISES** are multifunctional, heavy-duty vises for the DIY enthusiast or small shop. The straight-pull screw and nut design combined with 60,000 psi ductile iron construction results in vises that can generate serious clamping force. Detent-locking, rotating, multi-jaw design makes for unparalleled versatility. Additional features, including the replaceable pipe jaws, interlocking swivel base, and machined anvil work surface all make it the perfect do-it-all vise for your workbench.

## SPECIFICATIONS

MODEL	750-DI	760-DI
Eastwood Item #	56432	72800
Jaw Width	5"	6"
V-Jaw Width	Front: 1.9" Back: 2.5"	Front: 2" Back: 3"
Max. Jaw Opening	5"	5.9"
Throat Depth	3.87"	4.31"
Pipe Dia. Capacity	5/8" - 3-1/2"	3/4" - 4-5/16"
Vise Weight	56.8 lbs.	75.8 lbs.

## SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

### **⚠ DANGER**

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

### **⚠ WARNING**

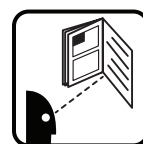
WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

### **⚠ CAUTION**

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

### **⚠ NOTICE**

NOTICE is used to address practices not related to personal injury.



### **⚠ READ INSTRUCTIONS**

- Thoroughly read and understand these product instructions before using.
- Keep these product instructions for future reference.



### **⚠ WARNING INJURY HAZARD!**

- Working materials can present eye injury hazards. Always wear ANSI approved eye protection when working materials in a vise.
- Dust and fine particles generated while working materials can contain hazardous or toxic substances. Breathing this dust can cause many serious respiratory health conditions. Always use NIOSH approved respiratory protection while working materials.
- Working materials, particularly when hammering, can generate excessive noise. Wear appropriate hearing protection when required.



### **⚠ WARNING EYE INJURY HAZARD!**

- Striking workpieces can eject metal particles, dirt and debris at high velocity. Always wear ANSI approved eye protection when striking workpieces.



### ⚠ CAUTION INJURY HAZARD!

- Take care to avoid pinching hands while operating the vise. The use of thick, well-fitting work gloves is strongly recommended.
- Poorly secured workpieces may shift or suddenly drop during use. Always wear closed toe shoes. The use of safety toe shoes is recommended.
- Dust and debris generated from working materials may result in slippery surfaces in the area of operations, and applying force to a workpiece increases the risk of suddenly slipping and falling. Always be sure-footed and well balanced when working materials. Wear appropriate footwear to increase grip.



### ⚠ CAUTION HEAVY WEIGHT!

- The vise is heavy and unstable before mounting. Take care when handling the vise prior to mounting.
- Improper mounting of the vise or mounting to an unsuitable location could cause it to suddenly fail. Follow proper mounting methods as described in this manual to prevent personal injury and property damage. Verify your workbench is of suitable construction to handle the vise.



### ⚠ NOTICE

- **NEVER** use with a pipe, cheater bar, or hammer on the handle of the vise. Overloading the vise may result in damage or failure.
- **NEVER** overextend the vise beyond the specified maximum jaw opening. Overextension could result in failure of the vise under load, or damage.
- Do not overtighten the swivel base lockdowns with a pipe or cheater bar. Overtightening will not yield a tighter grip because of the interlocking base design.
- Do not weld on the vise or weld it to any metal object.
- Visually inspect the vise and mounting location for structural damage before each use. Discontinue use if damage is observed.
- Do not use the vise as a press to force objects into or out of each other.
- Never use the vise to secure pressurized containers or combustible materials.
- Exposing the vise to extreme heat for prolonged periods of time may weaken the vise.

## MOUNTING

- Identify the vise mounting location and check for anything on the underside of the table that may impede mounting or pose a hazard.
- If the workbench needs to be reinforced for additional strength, place an 18" x 18" x 2" piece of wood or 18" x 18" x 1/4" steel plate on the underside of the workbench.
- Mark and drill the screw holes for mounting. It is recommended to use 9/16" (M14) hardware. The hardware must be through-bolted. Be sure to drill the holes perpendicular to the workbench and, if used, fully through the reinforcing wood or metal plate.
- The hardware should be long enough to extend 1" (25mm) on the underside for secure mounting. Use washers at both ends to distribute the force and utilize a lock washer or locking nut.
- Tighten the hardware to secure the vise. Periodically check the tightness of the bolts and retighten if necessary.

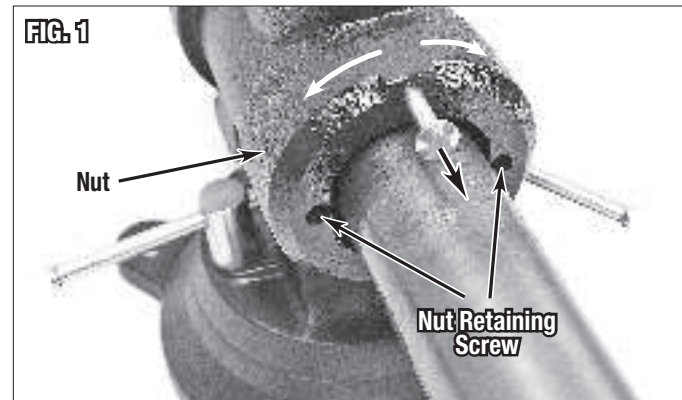
## OPERATION

- The vise swivel base is interlocking. To swivel it you must loosen the lockdowns several turns so the teeth drop out of engagement. Rotate it and hand tighten the lockdowns in the desired position.
- The vise screw is retained by the locking nut and washer at the rear end of the screw. Never use the screw to force the jaws open or damage to the nut and washer could occur. When tightening the vise do not utilize any leverage multiplier on the handle.
- Unlock the vise jaw rotation by pulling the spring loaded pin on the nut (**FIG 1**). The jaws can rotate a full 360°. The vise has locking detents every 30°. Vise rotation locks down when the jaws are clamped tight, even if the pin is not in a detent.

**NOTE:** By design, the nut will have play when the vise is not clamped. Tightening of the nut retaining screws will reduce play but increases rotation friction.

### ⚠ CAUTION

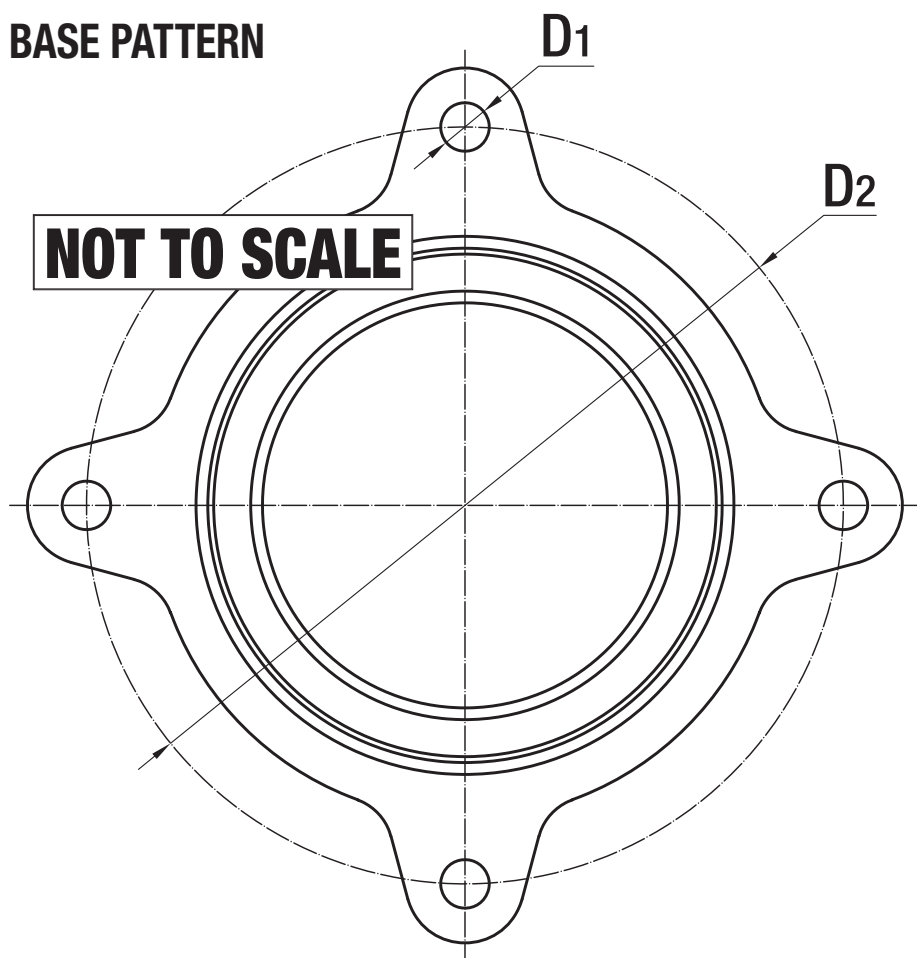
To prevent vise damage, DO NOT utilize any leverage multiplier on the handle.



## MAINTENANCE

- The screw and nut are pre-greased, and the design allows them to be mostly enclosed, minimizing dust and debris contamination. This prolongs the life of the screw and nut.
- Keep the exposed ductile iron surface of the front jaw lubricated and clear of debris to prevent corrosion and scoring.

## BASE PATTERN



MODEL	D1	D2
750-DI	Ø 5/8"	Ø 8.61"
760-DI	Ø 5/8"	Ø 10.08"

## NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# ADDITIONAL ITEMS

## R&D MUST-HAVE ACCESSORIES



**#25304**

Eastwood Professional  
Brake Line and Tubing  
Flaring Tool



**#21320**

Eastwood Metal Rod  
Forming and Bending Tool



**#20447**

Eastwood Professional  
Tubing Notcher

## OPTIONAL ITEMS

- #56473** Yost 5" Magnetic Rubber Jaw Covers
- #56464** Yost 5" Magnetic Aluminum Jaw Covers
- #56456** Yost 5" Aluminum Smooth Jaw Caps
- #56475** Yost 6" Magnetic Rubber Jaw Covers
- #56466** Yost 6" Magnetic Aluminum Jaw Covers
- #56458** Yost 6" Aluminum Smooth Jaw Caps
- #56966** Yost 6" Magnetic Plastic Prism Jaw Covers
- #56965** Yost 6" Magnetic Plastic Universal Jaw Covers

Visit [eastwood.com](http://eastwood.com) for complete info and pricing.



**If you have any questions about the use of this product, please contact**

Yost Technical Assistance Service Department: 800.343.9353 >> email: [help@yostvises.com](mailto:help@yostvises.com)

PDF version of this manual is available at [yostvises.com](http://yostvises.com)

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