



Thank you for choosing a vise from Yost Vises, LLC. For future reference please record the following:

Model #: 750-DI  
Purchase Date: \_\_\_\_\_  
Supplier: \_\_\_\_\_

**Inspection and Acceptance**

Claims for damage, shortage or errors in shipping must be reported within one (1) day following delivery to Buyer. Buyer shall have seven (7) days from the date Buyer receives any products to inspect such products and services for defects and nonconformance which are not due to damage, shortage or errors in shipping and notify Seller, in writing, of any defects, nonconformance or rejection of such products. After such seven (7) day period, Buyer shall be deemed to have irrevocably accepted the products, if not previously accepted. After such acceptance, Buyer shall have no right to reject the products for any reason or to revoke acceptance. Buyer hereby agrees that such seven (7) day period is a reasonable amount of time for such inspection and revocation. Buyer shall have no right to order any change or modification to any product or services previously ordered by Buyer or its representatives or cancel any order without Seller's written consent and payment to Seller of all charges, expenses, commissions and reasonable profits owed to or incurred by Seller. Specially fabricated or ordered items may not be canceled or returned, and no refund will be made. The sole and exclusive remedy for merchandise alleged to be defective in workmanship or material would be the replacement of the merchandise subject to the manufacturer's inspection and warranty.

**Product Specifications:**

1. Technical Statistics:

<u>Model Number</u>	<u>Item Number</u>	<u>Jaw Width</u>	<u>Jaw Opening</u>	<u>Pipe Capacity</u>	<u>Throat Depth</u>	<u>Gross Weight</u>
750-DI	11750	5"	5"	1/4" – 3-1/2"	3-3/4"	63 lb.

2. Jaws able to withstand a load of no less than 1600 inch pounds without distortion of the vise or any components.
3. Vise body (front bar, back jaw, swivel base) Ductile Iron.

## **IMPORTANT SAFETY INSTRUCTIONS**

Warnings: Misuse of vises can cause serious injury to eyes, hands and or other body parts. Vises must be set up and used properly. Before setup and use, read, understand and follow all instructions outlined below.

ALWAYS make sure bench tops are properly secured.

Never use a hammer, extension pipe, or cheater bar on spindle handle of vise.

ALWAYS use proper nuts, bolts and lock washers in all mounting holes, to hold bench vise down.

NEVER unscrew movable jaw beyond maximum specified opening of vise.

ALWAYS use vise of proper size and capacity to hold work object.

NEVER weld base of vise to any metal object.

ALWAYS wear eye, face, and ear protection when striking or using power tools with a vise.

NEVER use a vise to press an object into or out of another object.

ALWAYS wear dust mask or respirator when working with wood, metal, chemical dusts or mists.

NEVER use and extension pipe to tighten handles of lockdowns.

ALWAYS wear restrictive hair covering and anti slip footwear while operating vise.

NEVER place pressurized containers or combustible materials in vise.

ALWAYS hand tighten handles of lockdowns for swivel base.

NEVER wear loose clothing or jewelry while operating vise.

ALWAYS inspect vise for stress fatigue or damage to the vise before using.

NEVER apply extreme heat or prolong heat to the vise as it may alter structural properties.

ALWAYS maintain the vise – grease main screw regularly.

**If there is any question about a condition being safe or unsafe, do not operate the vise.**

To avoid risk of personal injury, equipment damage, fire & shock, make sure work area has the following conditions:

- Floor is dry. Damp, wet or rainy conditions can cause operator to slip.
- Operator must be of sufficient age to operate vise in a safe condition.
- Well Lit.
- Clean and unobstructed.
- Workbench is properly secured to floor or wall.
- Workbench is designed sufficiently to handle vise and work load (torque placed upon the vise and workbench).

**Mount Vise To A Secure Workbench**

1. Place vise on the workbench to identify location of mounting holes. Most right handed prefer a vise mounted on the left end of the bench, the opposite for a left handed person.
2. For added strength to the workbench prior to installing and securing vise, place an 18" x 18" x 2" piece of wood (18" x 18" x 1/4" metal plate) to the underneath side of the workbench.
3. Mark and drill holes through the workbench and wood / metal plate using the swivel base as the template for the mounting holes. Prior to drilling, make sure area is free & clear of any hazards.
4. Install proper length & diameter bolts into the swivel base of the vise. At a minimum use a hex bolt of sufficient diameter to fully encase the diameter of the swivel base bolt hole. Yost recommends at hex bolt 2" longer than the bench top thickness to accommodate for flat & locking washers as well as nuts. Use minimum grade 5 bolts. On the underside of the workbench and wood / metal plate, place a flat washer, lock washer and locking nut to the bolt. Securely tighten vise to the workbench. Periodically, recheck and re-tighten the nuts.
5. As a possible suggestion mount the vise on the lower left hand corner of the work bench that way the side of the vise and the handle end of the vise have maximum work exposure (Rotation of the swivel base and the vise head). The swivel base plate should be mounted (bolted) near the bottom edge of the work bench -- so that there is sufficient bolt down capability. The head of the 750 should then be able to rotate 360 degrees with respect to the horizon.

**Vise Operation**

Make sure vise selection (size and type) is appropriate for use and application. Larger vises are readily available through Yost Vises. Never force or use cheater bars, pipe extensions on the screw handle of the vise as this places excessive pressure on the vise components and they may fail resulting in severe bodily injury.

Step 1: Make sure vise is securely mounted to the workbench.

- Step 2: Make sure the swivel base lockdowns are secure.
- Step 3: Open the vise by turning the vise handle counterclockwise. Do not open beyond the vises rated capacity (jaw opening).
- Step 4: Place item between the serrated jaws of the vise.
- Step 5: Close the vise by turning the vise handle clockwise until the item is snug between the serrated jaws.
- Step 6: Continue to tighten the screw handle until you can no longer move (twist) the clamped item. Do not over tighten as this may damage item and / or the vise.
- Step 7: When finished working on the item, slowly turn screw handle counterclockwise to release the item.

### **Swivel Base Operation**

The vise is generally operated perpendicular to the workbench, enabling work to be performed from either side of the vise. In some cases, the vise may need to be rotated to allow better and safer access to the item. In order to change the position of the vise, please follow the steps below:

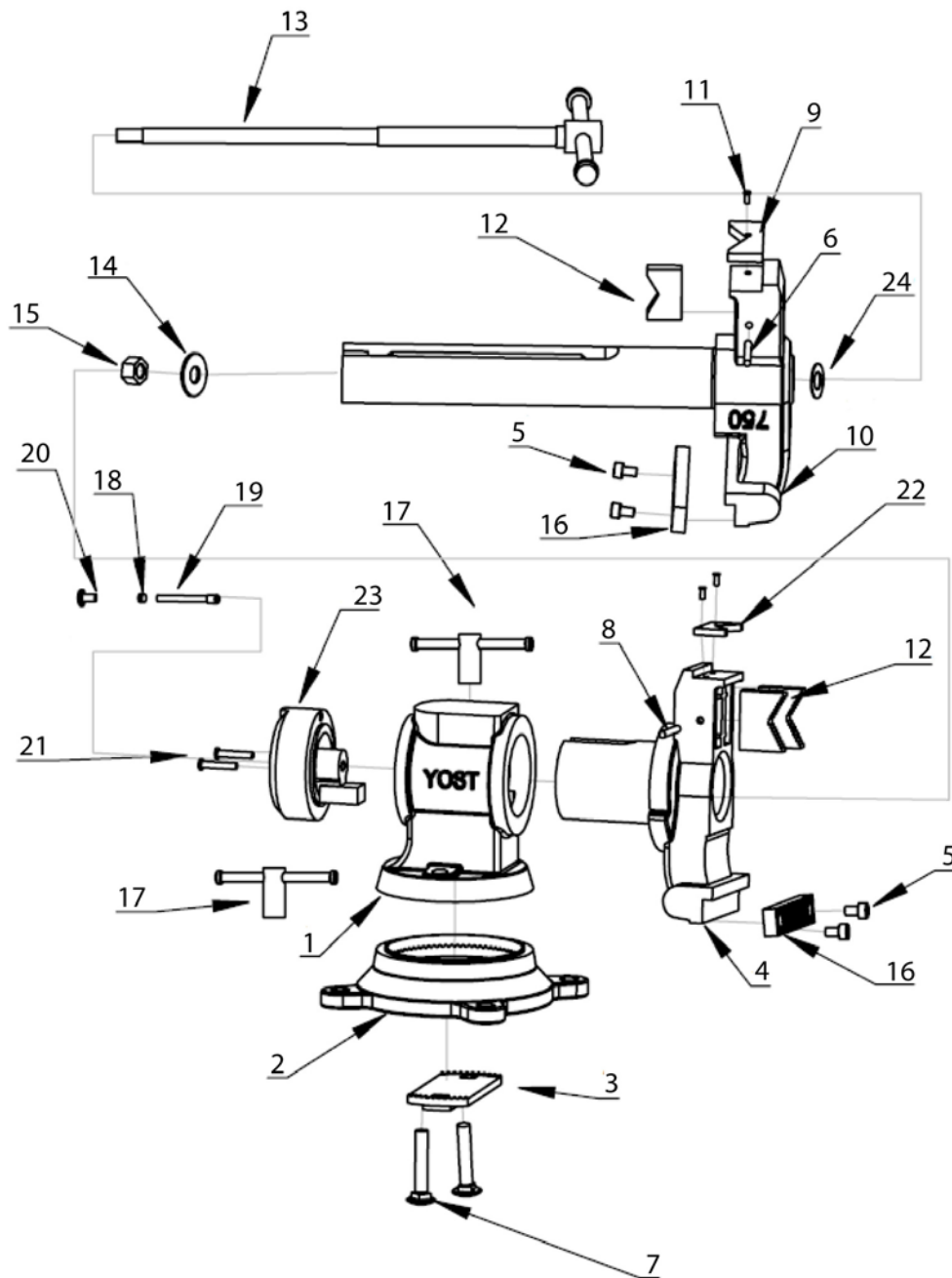
- Step 1: After item is securely mounted in the vise, slowly loosen each lockdown located on both sides of the vise. Care should be taken not to over-loosen or remove the lockdowns as this may cause the vise to tip over and cause great bodily injury. Loosen (turn counterclockwise) each lock down about ¼ of a turn until the vise is able to swivel from the base.
- Step 2: Swivel the vise to allow better and safer access to the item.
- Step 3: Tighten (turn clockwise) each lockdown so that the vise is securely clamped to the base.

### **Full Version of Terms and Conditions of Sale**

Available on-line at [www.yostvises.com](http://www.yostvises.com) (select “**Help**” and then **Terms Of Sale**).

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# Isometric view of Yost Model 750-DI Updated 11/14/2013



11/14/2013  
Omitted Retaining Ring  
Used on part 750-19

# Part Description for Yost Model 750-DI

## Updated 11/14/2013

<u>Part Number</u>	<u>Description</u>
1	Vise Body
2	Outer Base
3	Inner Base Plate
4	Stationary Jaw
5	6 x 1 x 14mm Socket Cap Screws
6	Retaining Pin - Moveable Jaw
7	12 x 1.75 x 65mm Carriage Bolts ZP
8	Retaining Pin- Stationary Jaw
9	Moveable V-Jaw Insert
10	Moveable Jaw
11	5 – 0.8 x 16mm Flat Head Screw
12	Pipe Jaw Insert
13	Lead Screw With Handle, Balled Ends, (2) Rubber Washers
14	Flat Washer - Spacer
15	14-1.5mm Locking Hex Nut
16	Serrated Jaw (1 Pair)
17	Lockdown
18	Spring
19	Lock Pin
20	Pull Knob
21	5-0.8 x 45mm Socket Head Bolt
22	V-Jaw Insert (Stationary Jaw)
23	Rear Cover
24	Flat Washer - Spacer

Changes -- 11/14/2013

Omitted Retaining Ring used on part #750-19