Model D4128
Multipurpose Vise
Instruction Sheet

Phone #: (360) 734-3482 • Online Tech Support: tech-support@shopfox.biz • Web: www.shopfox.biz

Specifications

Flat Jaw Size	$2\frac{3}{8}$" x $\frac{7}{16}$"
Maximum Jaw Opening	$2\frac{1}{4}$"
Maximum Throat Depth	$1\frac{1}{4}$"
Base Swivel Capability	360°
Weight	6 lbs.

⚠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.

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 1** for the minimum working clearances.

Workbench Load

Although the D4128 Multipurpose Vise weighs only 22 lbs., some workbenches may require additional reinforcement to support the vise, workpiece, and any hammering or prying forces that may be applied to them.



Figure 1. Model D4128.

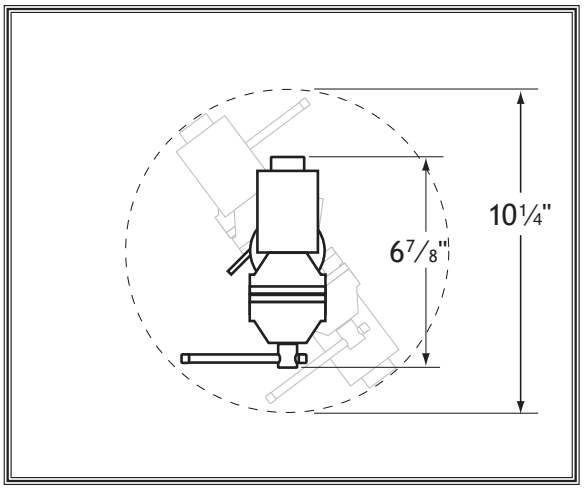


Figure 2. Minimum clearances.

COPYRIGHT © August, 2010 BY WOODSTOCK INTERNATIONAL, INC.
WARNING: NO PORTION OF THIS MANUAL MAY BE REPRODUCED IN ANY SHAPE OR FORM WITHOUT THE WRITTEN APPROVAL OF WOODSTOCK INTERNATIONAL, INC.

#13036JB Printed in China

Mounting

The multipurpose vise must be clamped to a workbench or table before use.

To clamp the multipurpose vise, do these steps:

1. Choose a location to clamp the vise that will provide adequate support for the vise, the workpiece, and any forces that may be applied during use.

2. Loosen the clamp wide enough to slide it over the workbench or table surface in the chosen location, then tighten the clamp.

3. Check that the vise is secure by attempting to rock the vise back and forth.

   —If the vise moves, tighten the clamp.

   —If the workbench or table moves, find a more suitable location.

Operations

To maximize the life of your vise:

- Do not use cheater pipes on the handles to increase tightening force. Doing so may damage the handles or threaded portions of the vise.

- Do not heat or weld on the vise to avoid ruining the heat treating or damaging the finish.

- Do not store the vise in wet or damp locations to reduce the likelihood of rust or corrosion.

- Only use the anvil for light tapping and workpiece shaping. Do not use large hammers and avoid hammering directly on the jaws to avoid the likelihood of breaking the jaws or damaging the base.

- Do not pry on clamped materials in such a way that may bend or break the vise.

- Do not hammer the levers tight do reduce the chance of damaging the threads or cam they attach to.

- When loosening the jaws, make sure your hands will not hit the workpiece, workbench or vise when the handle breaks free to reduce the likelihood of impact or abrasion injuries.

- Every few years, disassemble, clean, and lubricate the vise using lithium grease. Otherwise, lubricate as necessary to prevent corrosion and maintain smooth-moving components..

Features Overview

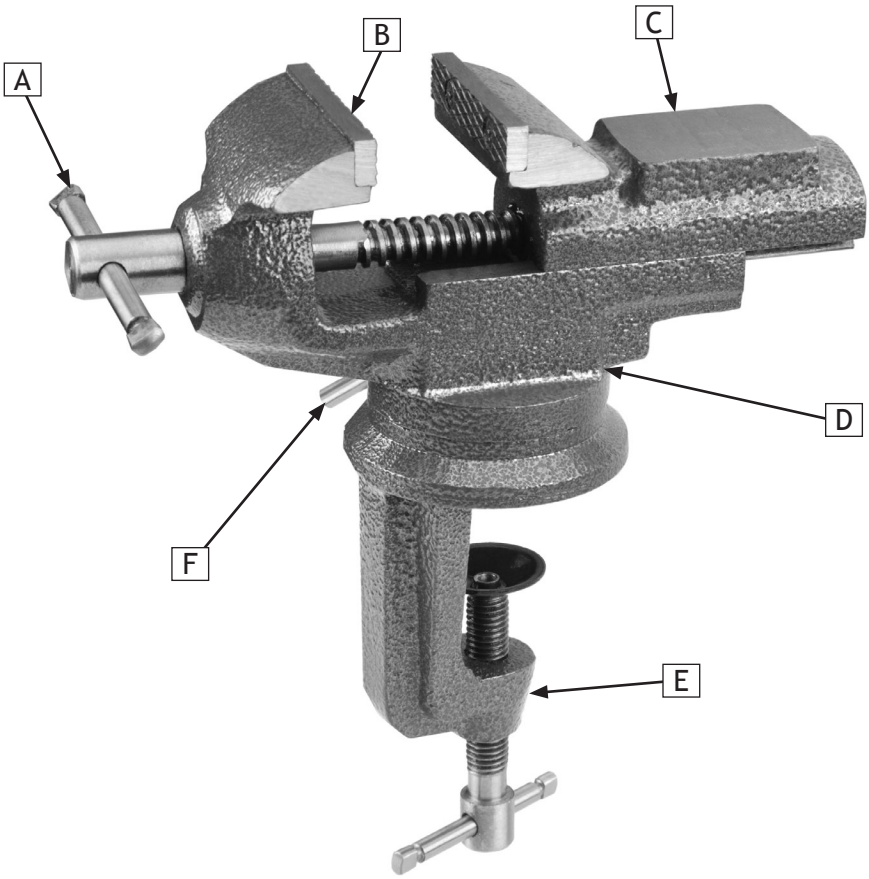


Figure 5. Features overview.

A. Main Vise Handle: Used to clamp and lock the jaws.

B. Jaws: Clamp workpieces.

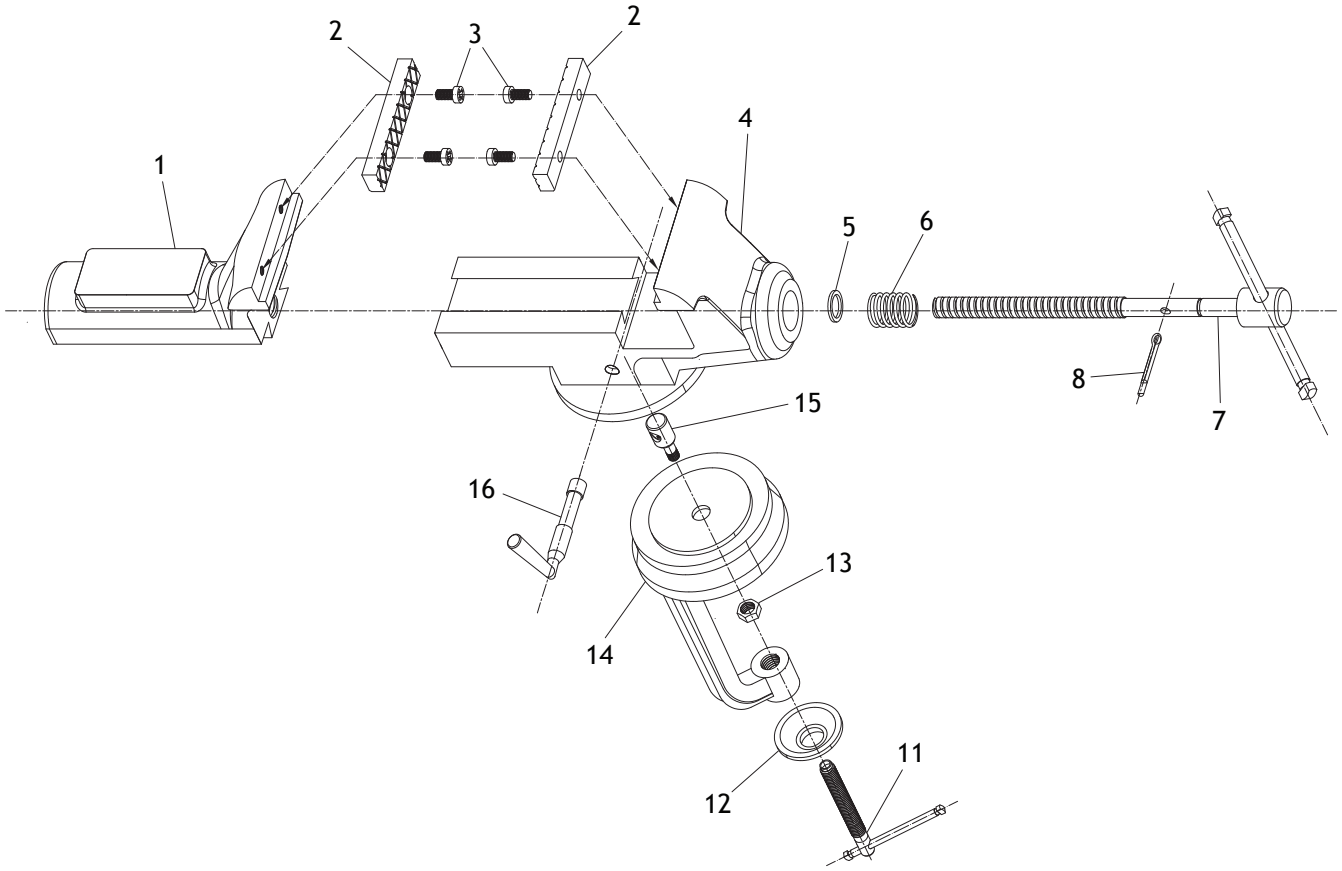
C. Anvil Face: Provides a strong and stable surface for hammering malleable materials with a small hammer.

D. Mounting Clamp: Used to attach the vise to a workbench or other suitable surface.

E. Swivel Vise Base: Allows the base to rotate 360° for a variety of uses.

F. Swivel Lock Lever: Clamps to secure the swivel vise base and releases to allow it to rotate.

Parts



REF	PART #	DESCRIPTION
1	XD4128001	ADJUSTABLE JAW
2	XD4128002	JAW FACEPLATE
3	XPS38M	PHLP HD SCR M4-.7 X 10
4	XD4128004	FIXED JAW
5	XD4128005	LEADSCREW SPACER
6	XD4128006	COMPRESSION SPRING
7	XD4128007	LEADSCREW W/HANDLE

REF	PART #	DESCRIPTION
8	XD4128008	COTTER PIN 2.5 X 16
11	XD4128011	CLAMP SCREW W/HANDLE
12	XD4128012	BEVELED RING
13	XPN03M	HEX NUT M8-1.25
14	XD4128014	BASE
15	XD4128015	PIVOT PIN
16	XD4128016	LOCK LEVER