



Garrett Wade

Technical Memo T66

Re: 05R10.10

To: Customers of the Universal Versatile Vise 05R10.10

From: Garrett Wade Customer Service

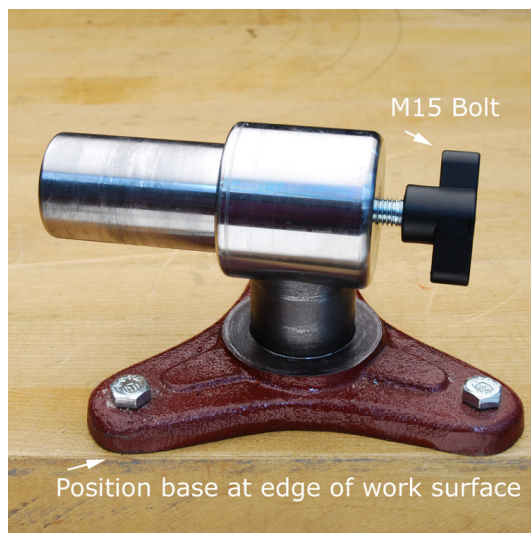
Thank you for your purchase of the Universal Versatile Vise. This unique vise earns its name because of its dual-axis positioning abilities, and the flexibility and convenience it affords the craftsman. Designed from the premise that it's usually preferable to secure the work and adjust the vise (rather than the other way around), we think this handy, medium-duty vise should find a permanent spot on your bench top.

Garrett Wade was greatly assisted in the development of the Versatile Vise by woodworker and flintlock gun maker Jerry Crawford. An innovative tinkerer, Jerry modified his own bench vise for carving historically accurate gun stocks and other intricate fabrications unique to his craft, but in so doing, he has helped devise a tool that we think is useful to woodworkers and fabricators of all stripes.

The Universal Versatile Vise includes the following components:

- Vise Body
- Base/ Bench Mount
- Accessory Arm
- M10x15 bolt w/ knob
- M10x25 bolt w/ knob

Please call the Technical Dept at 800-221-2942 if anything is missing, or if you have any questions.



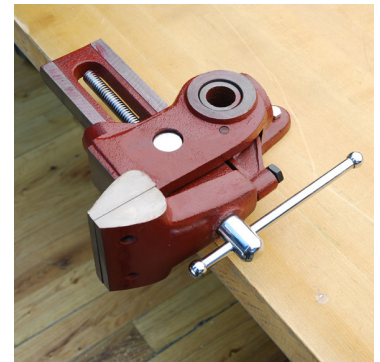
Vise Setup

Using 5/16" cap head screws, securely bolt the base to your work surface. To allow the vise maximum freedom of movement, position the base at the edge of your work surface (as shown).

Though its full dual-axis potential is only achieved with use of the Accessory Arm, the Versatile Vise can also be mounted directly on its base, either vertically or horizontally. In either mode, the vise revolves on the post, and tightening the jaws locks the cam.

Mounting the vise horizontally allows work to be secured *in front* of the bench - very handy when working on large or unwieldy pieces. To take advantage of

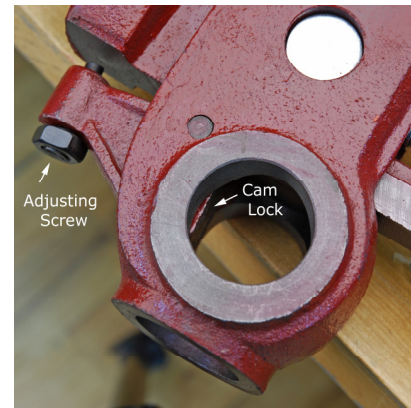
this option, position the base so that the jaws are well clear of the front edge of your workbench when the vise is mounted in the *horizontal* position.



For further assistance, call the Garrett Wade Technical Department at 800 221 2942, or email us at mail@garrettwade.com

Mounting the Vise on the Accessory Arm

The Cam Lock must sit outside the mounting hole to allow the vise to be mounted on the accessory arm (or directly on the post, if the vise is used without the arm). If necessary, adjust the cam lock mechanism by turning the Adjusting Screw with a flat-head screwdriver.



Tighten the locking bolt on the accessory arm to hold it in position. Keeping the cam out of the way (as shown,) slide the vise onto the accessory arm.



As it comes from the maker, the vise is meant to be mounted directly on the post. The base supports the weight of the vise, which revolves on the post. The vise is equipped with a Cam Locking Mechanism, which is engaged by tightening the jaws of the vise, either together or to secure a work piece. The lock engages *only* when the jaws are tightened.

Mounted on the accessory arm, however, the vise “tilts”, freely revolving on the arm unless the jaws are tightened and the cam lock engaged. Caution should be taken by supporting the weight of the vise until the jaws are tightened and the cam lock is engaged.

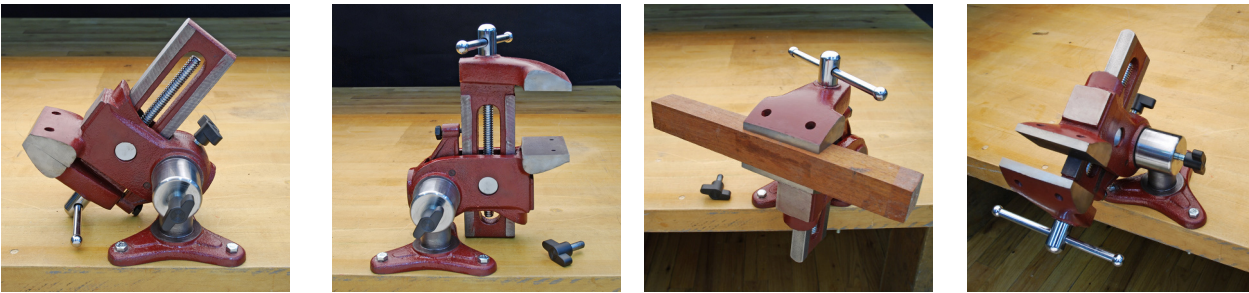
We find this to be a somewhat awkward maneuver. It requires that the vise be manually held in a tilted position and supporting its weight *while tightening the jaws on the work piece*. It's hard to hold that much weight in a precise position. It's easy to damage delicate work. Some jobs like carving and patternmaking require that the work piece be held constant while the vise is repeatedly repositioned. If you're forced to re-secure the work each time you adjust the vise, an enjoyable job can become a frustrating chore. What was needed was a secondary lock that could hold the position of the vise on the accessory arm without the need to tighten the jaws in order to engage the cam.



We have included a drilled and tapped hole in the rear of the vise that accepts one of the included thumb screws. This provides for a secondary lock that allows you to maintain the position of the vise until you have the jaws locked on your work piece and have the internal cam locked activated.

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With applications requiring continuous readjustment of the vise, this extra locking option will prove its worth many times over. Anytime you need to remove the locking bolt to position the vise (such as in a 90° orientation), you still have the locking capacity of the cam lock mechanism.



You are now ready to experience the amazing versatility of the Universal Versatile Vise.

Garrett Wade Technical Department

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