

*veritas*®

## Universal Variable-Angle Plane Fence

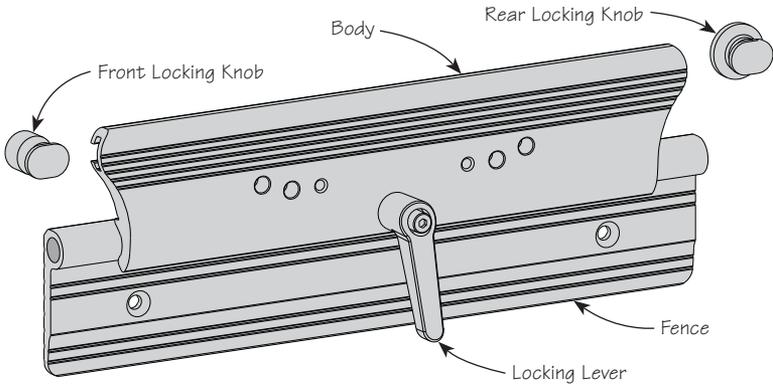


05P30.08

This plane fence does not limit you to right angles; it can be used to accurately and consistently plane any angle from 45° to 135°. It attaches to the plane body with a pair of locking knobs that can be positioned along a T-slot track to accommodate the differing plane sizes and geometries. It can be attached to either side of the plane (for right- or left-handed use).

The mounting holes on the body can be used with clamping knobs (sold separately) to attach the fence to a Veritas custom bench plane or the Veritas bevel-up jointer plane.

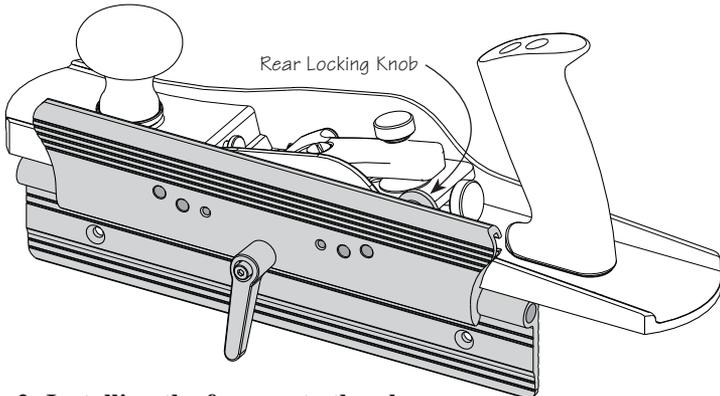
The spring-loaded lever locks the angle setting and can be rotated out of the way after locking. The through-holes in the fence can be used to attach a wooden guide to the inside face of the fence.



**Figure 1: Variable-angle fence components.**

## Installation

1. Remove the front locking knob. Loosen the rear locking knob and slide it into approximate position (about 2" in from the end of the body), then retighten it. This will determine the location of the fence on the plane; adjust as necessary.
2. Slide the fence onto the plane body from behind until the rear locking knob is wedged on the wing of the plane.



**Figure 2: Installing the fence onto the plane.**

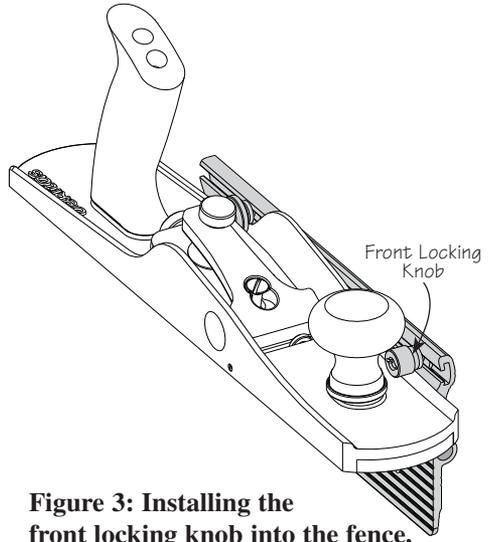
3. Slide the front locking knob into the fence slot until it contacts the wing of the plane and tighten.
4. Lock the front knob in position using a large slot screwdriver.

### Setting the Angle

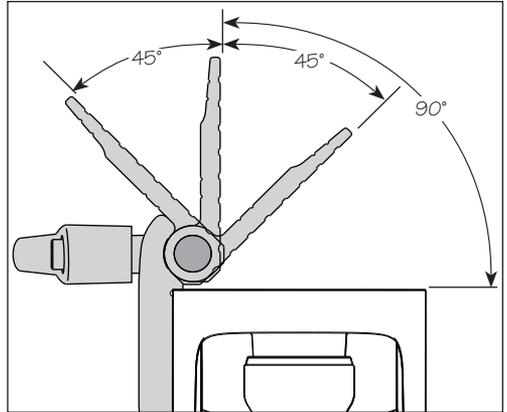
The fence can be set for square or any angle through  $45^\circ$  to either side ( $45^\circ$  through  $135^\circ$ ). Loosen the locking lever and pivot the fence to the desired angle, using a square, miter or set-up piece as your guide, then tighten the locking lever. After setting the angle, you can rotate the locking lever out of the way, if necessary.

**Note:** What is important is the relationship of the **blade** to the fence, not the blade to the sole. You can fine tune the angle by setting the lateral adjustment of the blade.

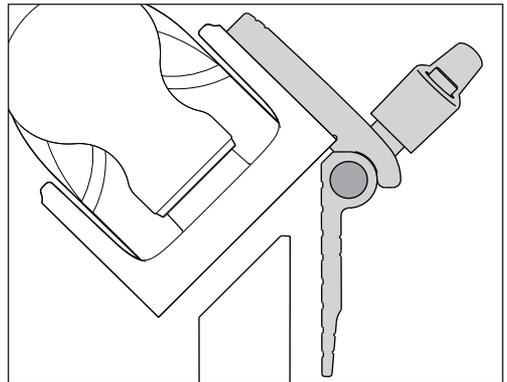
**Tip:** When planing a work-piece with the fence set to a  $45^\circ$  angle, and the desire is to plane right to the edge, a wooden sub-fence may be used. Without it, a small flat will be left on the edge that does not get planed by the blade.



**Figure 3: Installing the front locking knob into the fence.**



**Figure 4: Setting the fence angle.**



**Figure 5: Planing at  $45^\circ$ .**

## Instructions

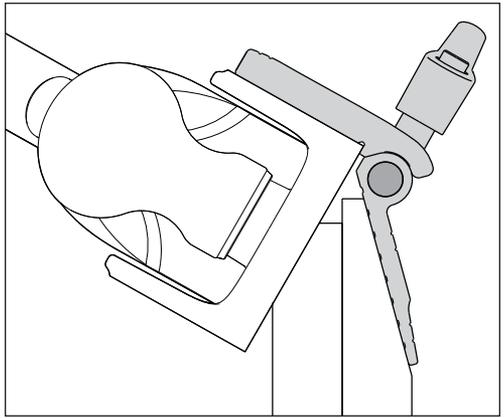
It is important that the fence be held firmly against the face of the workpiece being planed in order to get accurate results. This ensures that the fence will govern the plane's orientation, not the sole. Press the fence firmly **against the workpiece** with your forward hand and push the plane with your other hand.

### Angles less than 45°

For angles less than 45°, attach a bevelled piece of wood to the fence using #10 flat-head screws through the countersunk holes.

## Accessories

**05P30.09** Clamping Knobs, pair



**Figure 6: Attaching bevelled piece of wood to inside of fence to shoot angles less than 45°.**

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**veritas**® Tools Inc.

814 Proctor Avenue      1090 Morrison Drive  
Ogdensburg NY 13669-2205      Ottawa ON K2H 1C2  
United States      Canada

customerservice@veritastools.com  
[www.veritastools.com](http://www.veritastools.com)