



Wood Artistry H-100™ - Honing Guide

The Wood Artistry H-100™ honing guide holds either Western or Japanese chisels and plane irons – whether short, long, narrow, wide, straight or tapered. It accurately holds the bevel of a tool from 20° to 47.5°. It comprises an assembly that includes dual rollers and a dual position reference calibration bar. Set the desired angle with a simple snap movement of the clamping bracket. The reference block has pins that are inserted into holes in the front of the guide. Finger screws on the sides of the H-100 are tightened to hold the reference bar in place. One side of the bar provides a one inch reference for 5 degree angle increments while the reverse side on the block provides the position for additional +2.5° increments of the bevel angle. The integral reference bar provides excellent bevel angle setting repeatability and an easy way to match an existing edge angle. The reference bar is made of a composite material that will not mar the edges of your tools. The H-100 wide roller assembly provides stability of the guide, so it works well on waterstones or other flat abrasives. When used with abrasive paper, the forward mounted roller flattens the paper in front of the tool edge, thereby preventing a wave in the paper that can cause a flaw in the tool edge. A micro bevel angle is set with a single snap to the next higher angle setting.

With the addition of an optional mounting kit (PN 500-0400-013), the H-100 can easily mount on a Lap-Sharp sharpening system. The outer roller of the H-100 is removed and a rod is inserted into the inner stainless steel roller. Spring ball plungers enable snapping the guide on and off the inner roller. This permits inspection of a tool during the sharpening process. The H-100 guide is of the same solid construction that defines the Wood Artistry product line.



H-100 Guide Assembly & Reference Bar



Snap to desired angle adjustment



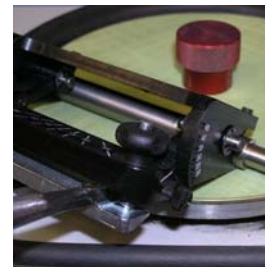
Dual level reference block



H-100 guide on a waterstone



H-100 guide (inverted) with plane iron











H-100 guide on the Lap-Sharp

H-100™ Features

- Integrated two position reference bar (0° & +2.5°)
- Snap adjustment of tool angle from 20 to 47.5
- Easy registration of tool for 2.5 degree angle increments
- Excellent repeatability of the desired angle
- Angle reference is from tool back (flat side)
- Front roller prevents wave when using abrasive paper
- Incorporates two methods of achieving a square edge
- Holds Western or Japanese chisels and plane irons
- Rollers are easily removable for cleaning or replacement
- Can be used with skew angle tools
- Wide roller to cover more surface of a sharpening stone
 - Prevents narrow roller damage to waterstone
 - Provides greater horizontal stability of jig
- Clamp works with tapered tools (in width or thickness)
- Accommodates plane irons as thin as 1.6mm (1/16")
- Holds 70mm (2 ¾") wide or 3mm (1/8") narrow tools
- Composite roller may be used on diamond abrasives
- May also be used with Lap-Sharp sharpening system
- Patented

H-100 Instructions for use with Abrasive Stones & Abrasive Papers

	<p>1. Insert reference bar in 0° (interior notch up) or +2.5° (interior notch down) position.</p>
	<p>2. Tighten bar locking finger screws on each side of guide.</p>
<p>3. Hold the guide vertically and rest roller on flat surface.</p>	
 <p>a.</p>  <p>b.</p>	<p>4. Insert tool with the back of the tool against the guide cross bar and the edge of the tool resting on the lower position of the notched reference bar.</p> <ol style="list-style-type: none"> Register an already square edge against the reference bar. Register a parallel sided tool against the cross bar notched edge to establish square. Register a skew tool edge with edge against the reference bar to maintain skew angle.
	<p>5. Tighten clamp knobs evenly on each side.</p>
	<p>6. Snap the guide to the desired angle for sharpening the bevel of the tool as indicated by the angle markings and indicator mark on the side of the guide.</p>
	<p>7. Loosen side thumb screws and remove reference bar.</p>
	<p>8. Place the roller and tool on the abrasive surface.</p> <p>9. Roll forward and back while using a light even pressure on the tool.</p> <ol style="list-style-type: none"> The H-100 has a wide roller so the surface of the stone is not worn unevenly The front mounted roller flattens abrasive paper in front of the tool edge, so a wave in the abrasive paper can not hollow the tool edge.

H-100™ Instructions for use with the Lap-Sharp®

(Requires an optional mounting kit PN 500-0400-013 available from Wood Artistry dealers)

- Remove the dual rollers from the guide.
- Insert the inner (stainless steel) roller onto the Lap-Sharp H-100 10mm tool bar.
- Mount the 10mm tool bar into the mounting brackets mounted on the Lap-Sharp and lock in place with two steel pins.
- Insert tool to be sharpened as described in previously described sequence steps #1 through #7.
- Snap the H-100 guide onto roller (mounted on Lap-Sharp 10mm support bar).
- While the tool is not touching abrasive, start rotation of Lap-Sharp disk.
- Pivot guide on crossbar roller until tool edge lightly touches abrasive surface.
- Periodically pivot the tool off the abrasive to prevent friction heat
- Stop the disk rotation and snap the H-100 guide off roller to inspect sharpening progress.
- Continue this sequence until the desired edge is achieved.