

Cut blank to this line

Lee Valley TOOLS LTD.
Veritas® Bevel-Up Plane Tote

Lee Valley TOOLS LTD.
1090 Morrison Drive Ottawa, Ontario K2H 1C2 Canada
814 Proctor Avenue Ogdensburg, New York 13669-2205 USA

PLN-043 Rev. 4
Sheet: 1 of 1
Scale: 1:1
Units: Inches

Tote Template for Veritas® Bevel-Up Planes

Instructions

This template can be used to make a replacement handle for the line of Veritas® Bevel-Up Planes, including the Low-Angle Smooth Plane, the Low-Angle Jack Plane, the Bevel-Up Jointer Plane, and the Bevel-Up Smoother Plane.

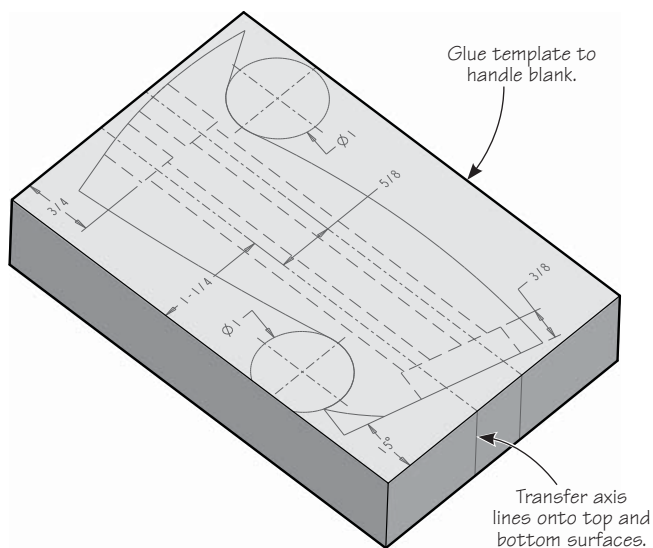
The shape shown is that used on the standard production planes. Providing the critical dimensions (i.e., handle rod holes and associated mortises) are maintained, the outer shape can be modified to suit the user. The template has a 1/4" scale printed along both edges of the sheet. These should be checked against an accurate rule to ensure that the template is at full scale before it is used. There are many reasons that a printed template may be off scale, including printer accuracy and humidity (like wood, paper moves with moisture content). In most cases, scale the output from the printer, or use a scaling photocopier to make any necessary adjustments. Also, **do not** print the template until you are ready to use it.

Start by cutting a blank to slightly larger than the dimensions shown on the template (5 1/16" x 3 5/16"). Note the correct grain direction. The thickness shown is that of a stock handle, but feel free to make any adjustments to suit your grip.

Cut out the template along the outer box lines and paste it to the handle blank. Spray adhesive is suitable for this. Avoid using white or carpenter's glues, as their moisture content will deform the template.

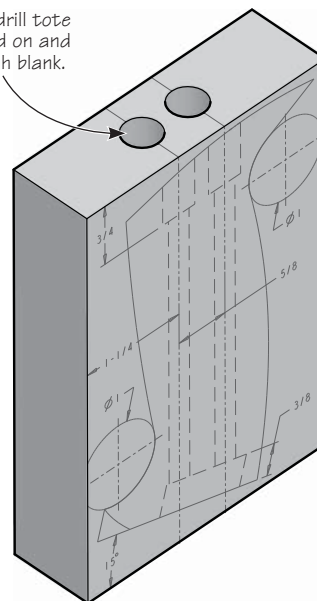
Trim the blank to match the outer template.

Transfer each handle rod hole axis onto the top and bottom edges of the blank and mark each center point.

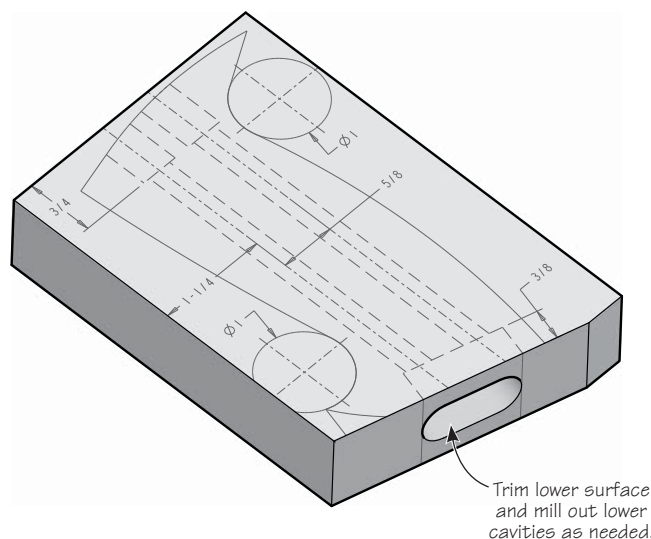


Counterbore and drill out the handle rod holes. Long narrow holes can sometimes be a problem to keep aligned. It may be easier to bore halfway through from either end of the blank, providing the blank is perfectly parallel and carefully aligned in the drill press.

Counterbore and drill tote rod holes centered on and completely through blank.

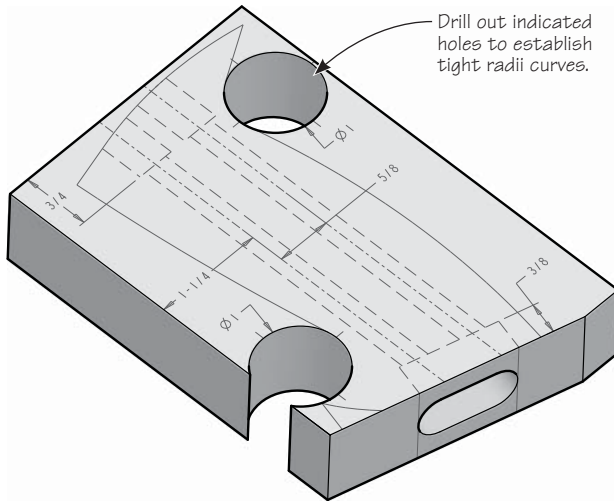


Trim the lower surface to the 15° line shown. Transfer the layout lines for the bottom mortise and cut the mortise to the dimensions shown.

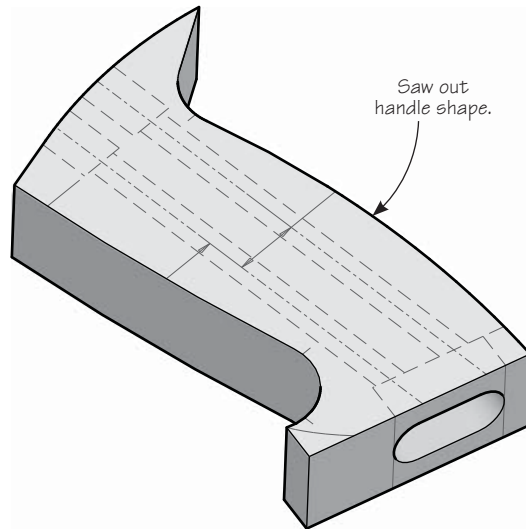


At this point, it should be possible to do a trial fit to the plane to ensure the internal details of the handle are correct. Any errors are easier to correct while the blank still has flat reference surfaces. Also, if the error is not correctable, the minimum amount of work has been wasted.

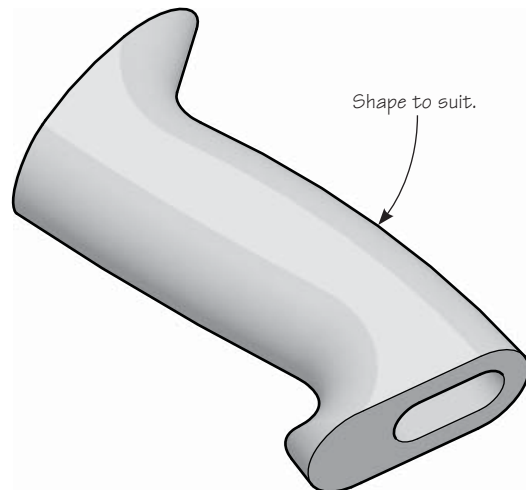
Bore out the two holes that form the tightly curved parts of the handle contour.



Trim the workpiece to the front, back and top contours. Depending on the final shaping method, it may be worthwhile to cut the contours slightly oversize.



Final shaping can be done with a combination of round-over router bits, rasps, carving tools, sandpaper, etc. Proceed carefully, testing the grip often to ensure a comfortable handle. Sand the final shape smooth and finish as desired.



1090 Morrison Drive
Ottawa, Ontario
K2H 1C2 Canada
1-800-267-8761

814 Proctor Avenue
Ogdensburg, New York
13669-2205 USA
1-800-267-8735

customerservice@leevalley.com