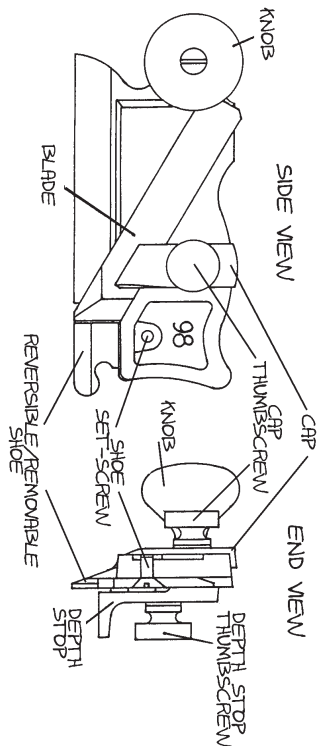


SIDE RABBET PLANE (NO. 98 SHOWN)



**WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). Wash hands after handling.

# Lie-Nielsen TOOLWORKS<sup>®</sup> INC.

Heirloom Quality Tools<sup>®</sup>

## Side Rabbet Planes

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Warren, Maine 04864

Made in Maine, USA, since 1981

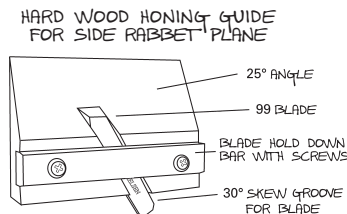
### Side Rabbet Planes

Based on the Stanley No. 98 and 99, our Side Rabbet Planes are the perfect answer to trimming and widening dadoes, rabbets, tenons and sliding dovetails. The low angle A2 blades, skewed at 30°, produce excellent cuts in both end and long grain. Adjustable depth stops control depth and help steady the tool to the work. A shoe in front of the blade can be reversed to create a bullnose or removed to allow the tool to reach right into the corners of your work. Width (depth) of cut is 1/2". These tools will fit into a 3/16" groove at full depth. Body is 4 1/2" long x 2" high. Weight is .50 lbs. each.

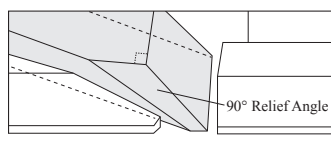
**Geometry:** The blade is bedded at 8° with a 25° bevel, for an included cutting angle of 33°.

**Blade Sharpening:** The blade comes ready to use, but honing a secondary bevel of 5° will increase performance, help achieve a razor edge quickly, and improve edge life in hardwoods.

The skew angle of the blade is 30°, and 30° Skew Jaws are available for our Honing Guide. The blade can also be honed freehand, or you can build a jig to hold the blade while using a stone in your hand to sharpen it.

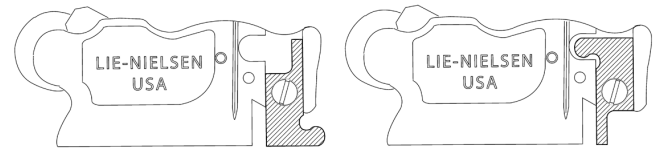


**Note:** As you sharpen the blade, you will need to restore the relief angle to allow the blade to plane to the bottom of a groove.



**Blade Adjustment:** Adjust the blade by hand. Loosen the cap screw, then sight along the sole for depth of cut, and to make sure the edge is parallel to the sole.

**Shoe:** The brass shoe installed in front of the blade may be reversed to allow planing to within 3/16" of the end of a groove, or removed entirely to allow access into tight corners.



REMOVABLE, REVERSIBLE SHOE

**Materials:** We use Manganese Bronze for the tool bodies. These castings are fully stress relieved, a process that removes inherent stresses and ensures that the tool will remain flat and true. The blade is A2 Tool Steel, cryogenically treated and double tempered to Rockwell 60-62. Our heat treating technique ensures that the blade will take and hold a very fine edge for a long time. After heat treating, the blade is fully surface ground on the top, back, and cutting edge, giving a smooth, flat surface that will take a mirror finish very quickly. The 1/8" thickness provides solid chatter-free cutting.

**Maintenance:** The Bronze bodies are hand lapped flat. Depending on how much use your tool gets, an occasional light sanding with wet/dry paper (320 grit or finer) on a flat surface will keep the sole in as-new condition. Many people like the patina that Bronze gets with age and use, but if you wish to keep the finish bright a little brass polish is in order.

**Guarantee:** Materials and workmanship are guaranteed for the life of your tool. Call for repairs or replacement parts. We are available for advice if you ever have a problem using your tool.