



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

*Heirloom Quality Tools<sup>®</sup>*

## Model Maker's Block Plane

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*Made in Maine, USA, since 1981*

### Model Maker's Block Plane

Our Model Maker's Block Plane is a miniature workhorse that will fit in some tight situations better than any other Block Plane. This delightful, small low-angle tool fits snugly in the palm of your hand, and is ideal for all sorts of chamfering and trimming jobs.

Blade is  $\frac{7}{8}$ " wide and  $\frac{1}{8}$ " thick. Plane is  $4\frac{7}{8}$ " long and  $1\frac{1}{4}$ " wide. Weight is 8 oz.

**Geometry:** The blade is bedded in the tool at  $12^\circ$  with a  $25^\circ$  bevel, making the included cutting angle  $37^\circ$ .

**Blade Sharpening:** The blade comes ready to use, but honing a secondary bevel of  $5^\circ$  will increase performance, help achieve a razor edge quickly, and improve edge life in hardwoods. For information on sharpening, we recommend David Charlesworth's video, *Plane Sharpening*, available via our website in both DVD and streaming formats.

**Blade Adjustment:** Slightly loosen the pressure of the cap and advance or retract the blade. Tighten the thumbscrew.

**Materials:** We use Ductile Iron for the bodies. These castings are fully stress-relieved, a process that removes inherent stresses and ensures that the tool will remain flat and true. The cap is Manganese Bronze.

The blade is A2 Tool Steel hardened to Rockwell 60-62, cryogenically treated and double tempered. 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  $\frac{1}{8}$ " thickness provides solid, chatter-free cutting.

**Maintenance:** The sole is finished flat to a tolerance of less than .001". Depending on how much use your tool gets, an Occasional hand lapping with wet/dry paper (400 grit or finer) on a flat surface will keep the sole in as-new condition.

The tool should be kept lightly oiled to prevent rust, especially when not in use. We recommend Jojoba Oil, a plant based oil product that is non-toxic, odor-free and easy to use. Also, in our shop, we use a fine abrasive handblock to remove any light surface oxide from tool bodies and blades. Oil and the abrasive handblock are available from us.

**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.

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**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.