



Lie-Nielsen TOOLWORKS[®] INC.

Heirloom Quality Tools[®]

Model Maker's Block Plane

www.lie-nielsen.com

toolworks@lie-nielsen.com

1-800-327-2520

P. O. Box 9 • Route 1
Warren, Maine 04864

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° with a 25° bevel, making the included cutting angle 37° .

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. 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.

© 2019 Lie-Nielsen Toolworks, Inc.

Rev. 01212019



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. Wash hands after handling.