

Lie-Nielsen TOOLWORKS[®] INC.

Heirloom Quality Tools[®]

Butt Mortise Plane

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Made in Maine, USA, since 1981



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.

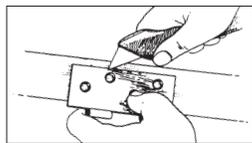
Butt Mortise Plane

The Butt Mortise Plane will help you prepare and hang doors in a fraction of the time required to set up a router and template. This tool is easy to use and will make precise mortises with sharply square corners to an accurate, uniform depth.

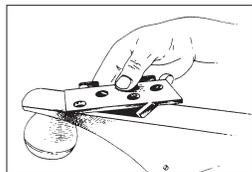
This tool does a job no other plane can do. The elongated slot in front of the blade provides a clear view of the work. This plane is also useful for installation of hardware, such as hinges, lockfronts and strike plates, as well as mortising dutchmen to repair flaws in jambs, furniture and doors.

MORTISING A DOOR JAMB

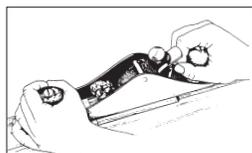
1. With your utility knife or a butt gauge, outline the hinge leaf to the approximate depth of the mortise. Take your time here, as this is the only part of your work that shows in the end.



2. Now you're ready to set the blade of your Butt Mortise Plane, using the leaf of your hinge. We recommend that, on your first several mortises, that you not set the plane to the full depth. Start with a healthy cut, though — at least half the depth of the finished mortise.



3. The final step is to plane out the area to be mortised. Start on the outside or open edge. Work the length of the hinge in both directions and with overlapping cuts until you have a perfectly square and smooth mortise.



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.

Materials: Iron bodies are cast from Ductile Iron, a very strong alloy that will take a lot of abuse. 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 cryogenically treated Tool Steel, hardened to Rockwell 60-62 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 thick blade provides solid chatter-free cutting. The cap is Manganese Bronze. Other parts are Brass, Steel and Cherry.

Maintenance: Depending on how much use your tool gets, an occasional light sanding with 320 grit or finer wet/dry paper on a flat surface will keep the sole in as-new condition. Tools with Iron bodies should be kept lightly oiled or waxed to prevent rust. 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 abrasive handblocks are available from us.

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. The Cherry knobs are oiled and buffed with wax to produce a natural finish. Wipe with oil as desired to refresh.

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.