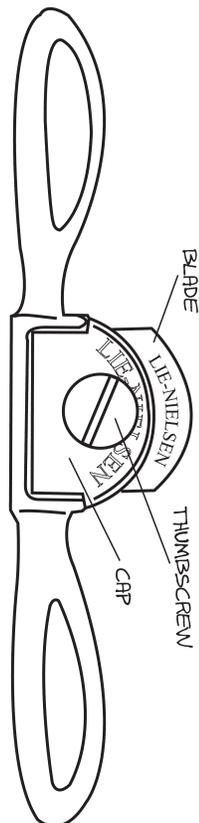


SMALL BRONZE SPOKESHAVE



Lie-Nielsen
TOOLWORKS[®]
INC.

Heirloom Quality Tools[®]

Small Bronze
Spokeshave

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Made in Maine, USA, since 1981

Small Bronze Spokeshave

This spokeshave is based on a tool that hasn't been available since Edward Preston and Sons went out of business in the 30s. Lightweight but solid, only 6 3/4" long, with a 5/8" wide flat sole. Also available with a curved sole. Redesigned for fine, precise shaping work in all woods.

Geometry: The blade has a 25° bevel and is bedded at 40° to the sole, bevel down.

This tool is set up to take thin shavings only (.006" or so). A tool with a large mouth will not perform as well on finish cuts. If you need a heavier cut, the tool can be easily modified by filing a chamfer on the leading edge of the mouth to allow a bigger shaving to pass.

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: The easiest way to adjust the depth of cut is to lay the sole on a flat wood surface, loosen the cap and advance the blade until it touches the wood evenly. Tighten the cap screw. This should produce a thin shaving. If not, or if more cut is desired, either repeat with a paper shim under the front edge of the sole, or tap the blade gently with a small hammer.

Curved Sole: The approximately 1 1/2" radius on the curved sole is intended for inside curves. The sole can be modified by the user for tighter radii.

If you have any concern that the curved spokeshave you received has a flat sole instead of a curved sole, please check the sole with the edge of a straight edge. The radius on the sole of the Small Bronze Spokeshave is approximately 1 1/2". A tight radius like this works very well for curves between 3" and 10" in diameter.

If you need to work a radius 5" or larger, please consider our Boggs Curved Spokeshave, which has a 5" radius.

Materials: Manganese Bronze Body and Cap, Brass Thumb-screw. A2 tool steel blade 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.

Maintenance: Polish the bronze parts with any good brass polish, or enjoy the patina that develops with age and use. Oil the blade to prevent rust. We recommend Jojoba Oil, a plant based oil product that is non-toxic, odor-free and easy to use.

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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Rev. 01072019



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.