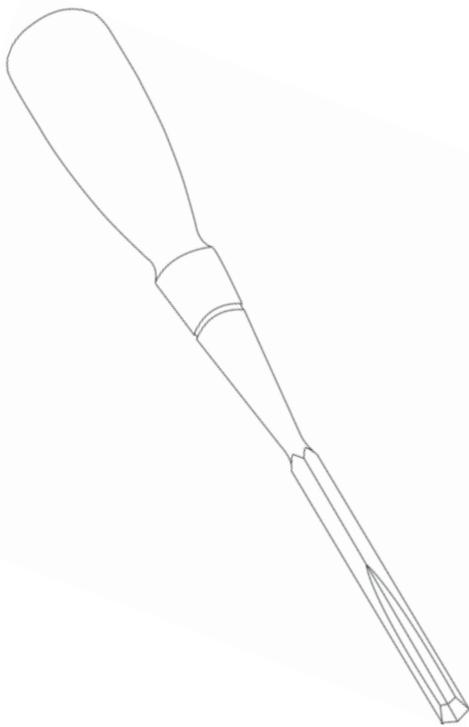


CORNER CHISEL

Warning: Sharp chisels are dangerous and should be handled with care. Dull chisels are even more dangerous and should be sharpened.



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Lie-Nielsen
TOOLWORKS[®]
INC.

Corner Chisel

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

1-800-327-2520
toolworks@lie-nielsen.com

www.lie-nielsen.com

Makers of
Heirloom Quality Tools[®]

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Corner Chisels

Our Corner Chisel is a modern design based on the larger, more traditional corner chisel or “bruzz,” used extensively in timber framing and other large work. It is a paring tool, useful for trimming mortises and other cuts precisely square. It should not be used to cut directly into solid stock.

Geometry: Our chisels are ground on four sides, square and parallel. The bevel is flat ground at 25°; additional honing is recommended. On very hard woods, like oak, hard maple or exotic species, take lighter cuts and use a higher secondary bevel.

Handles: Lie-Nielsen Chisels have Maine-harvested Hornbeam handles. Hornbeam, also known as Ironwood, was once prized for its toughness, but usually winds up as firewood these days. This under-utilized species makes superb chisel handles.

Re-Seating Handles: When your Chisel arrives, the handle may be loose because of wood shrinkage. It may also loosen during dry weather. The handles are held in place by the wedging of the wood into the tapered socket. Just rap the chisel handle upside down to re-seat the handle. Although I’ve had chisel sets in my shop for years without the handles coming loose, some people have the opposite experience. One solution to a loose handle is to apply hair spray to the tapered section and re-seat as described. Strange as it may sound, it’s effective - and unlike glue, it’s reversible.

Removing Handles: One of the advantages of the socket design is that if you want to change handles, you can simply tap the side of the handle on a board and pop the handle off.

Materials: Our corner chisels are made of O-1 Tool Steel, hardened to Rockwell 60-62. The O-1 Steel will hold an edge very well, and should be kept very sharp for best performance. Do not force the tool, especially when dull. Do not strike with a steel hammer.

Sharpening: To sharpen, use a small slipstone with a sharp, square edge of fine India or finer. Slipstones may be trued and squared on 150-grit wet/dry paper or on a glass plate, using medium value grinding compound if necessary.

Regrinding is most easily accomplished with a small trued abrasive wheel chucked in a Dremel-type flexible shaft tool. However, a coarse slipstone — with a square, sharp edge — will usually be enough.

Maintenance: Tool Steel can rust. To protect your chisels, you should oil, wax and/or wrap the tools after use. At the least, wipe your fingerprints off with an oily rag. We recommend Camellia or Jojoba Oil - vegetable oil based products. They are non-toxic, odor-free and easy to use. Also, in our shop, we use a fine abrasive hand-block to remove any light surface oxide from tools. The oils 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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