

Lie-Nielsen TOOLWORKS[®] INC.

Heirloom Quality Tools[®]

Lie-Nielsen Dowel Plate

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Made in Maine, USA, since 1981

Dowel Plate

A Dowel Plate is very handy for accurately sizing dowels from any type of wood you choose. It can also be used to create a tenon on the end of a piece such as a chair spindle.

Short pieces are easier to handle, but any length is fine. When making your own dowel, get as close as you can to the correct size with a plane, spokeshave or drawknife. The blank does not have to be very smooth, though — small facets will disappear quickly. A bit of experimenting will tell you how close to make your blank, depending on the type of wood, length of dowel and how smooth a finish you desire.

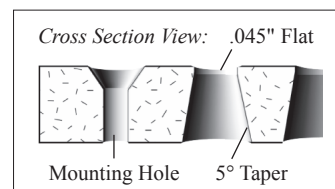
Chamfer the leading end of the blank with a knife to make it easy to start the cut. Hammer the blank through the appropriate hole. You can also use it to size purchased dowels.

Mount the Dowel Plate with wood screws over a series of relief holes in a bench, or clamp it over a dog hole for temporary use. Includes two mounting holes for No. 10 flat head screws.

Materials: The Dowel Plate is 5 1/8" long x 1 1/2" wide x 5/16" thick A2 Tool Steel, hardened to Rockwell 60-62.

Maintenance: If the Dowel Plate ever needs it, hone the top cutting surface with waterstones to sharpen. Holes are machined

with a 5° clearance taper on the underside, and are straight for the first .045", allowing you to sharpen them without affecting the hole size. Keep oiled to prevent rusting.



The Dowel Plate is available in Standard and Metric versions. Dowels can be produced in the following sizes:

| STANDARD | METRIC |
|----------|--------|
| 1/8" | 3mm |
| 3/16" | 4mm |
| 1/4" | 6mm |
| 5/16" | 8mm |
| 3/8" | 10mm |
| 1/2" | 12mm |
| 5/8" | 16mm |

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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