

**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](http://www.P65Warnings.ca.gov). Wash hands after handling.

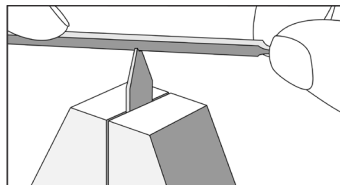
## Radius Cutter

Our collaboration with Educator/ Cabinetmaker, Steve Latta, began in 2006, when he approached us about designing a selection of inlay tools based on the tools developed over many years of studying and creating 18th century furniture. Our inlay tools are the first commercially available tools designed specifically for stringing inlay. These tools cut precisely and are easily adjusted. Additional blade thickness offer maximum design flexibility.

The Radius Cutter is used for scribing inlay grooves in a radius. For more information on the Radius Cutter and how to use stringing inlay in your work, we recommend Steve Latta's DVD *Fundamentals of Inlay: Stringing, Line & Berry*, available via our website in both DVD and streaming formats.

**Geometry:** The minimum radius is  $\frac{11}{16}$ " (1.74cm). The maximum radius is 4" (10.16cm), although with the addition of extension rods a radius far larger can be created.

**Sharpening:** Grind outside bevels on an edge sander, sanding belt or grinding wheel, using a medium grit belt (120-150). To file the inside edges, use a 4" double extra slim tapered file. Hold the file perpendicular to the blade, and angled at 45° (this will line it up with both bevels). File lightly, touching both teeth at the same time, until you no longer see light reflecting off the points. Make sure the tips remain even. After filing, smooth the faces of the cutter on a honing stone.



**Cutting an Arc:** Set the distance from the blade to the pivot point and lock the body in place. Lean the tool and score a line through the wood fibers using only one tooth on the blade. Then, lean the tool in the opposite direction and score a line using the other tooth. Bring the tool perpendicular to the surface and excavate between the score lines to a depth of about  $\frac{1}{16}$ ". When you are first getting familiar with the tool, do not be surprised if the indent left by the pivot point is quite large. With practice, the size will diminish.

# Lie-Nielsen TOOLWORKS<sup>®</sup> INC.

*Heirloom Quality Tools<sup>®</sup>*

## Latta Inlay Tools Radius Cutter

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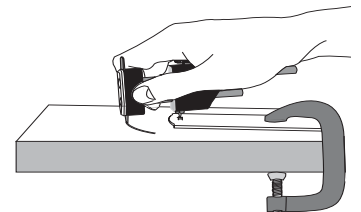
*Made in Maine, USA, since 1981*

When arcs cross or intersect each other, cut and fill the first arc. After the glue has set for a few minutes (yellow glue is recommended), cut the second arc slicing right through the stringing of the first. This method saves time and leads to cleaner work.

The cutting tips must be sharp. The cutting action should slice rather than tear the fibers. Keep in mind, soft or spongy woods are more likely to tear. If tearing occurs, the tips need to be sharpened until they function like a knife. Examine the tips of the teeth. If there are any flat spots, indicated by a reflection at the very tip of a tooth, re-establish the point using a small triangular file, as described in the "Sharpening" section.

**Extension Rods:** 3" extension rods are available by the pair. Rods mate seamlessly, offering smooth adjustment for a much greater range of radii.

**Pivot Points:** The Radius Cutter comes with two interchangeable pivot points. The longer point should be used when pivoting directly on the work surface. The shorter point is designed to work in conjunction with a piece of polycarbonate to prevent indentations in the work surface.



**Materials:** Powder-Coated Aluminum body, Steel rods & pivot point, Other parts are Brass.

Blades are made of Spring Steel hardened to RC 52. The standard blade is .032" (.762mm) thick. Thicker blades (.041", .055", & .062") are also available. Thicker blades are hardened to RC 45-50.

**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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