veritas®

Inlay Tools

The Veritas® Inlay Tools complement the Veritas® Inlay String Tool System. The awl, chisels and groove cutters are used for the ancillary tasks that are required when working with inlay string.

Inlay Pin Awl 05K12.01

The inlay pin awl is used to make an indentation for positioning the point on the compass center to ensure the compass center does not move during use. Unlike a regular awl, the small shape and size of the pin on this awl matches that of the compass center to ensure absolute alignment.

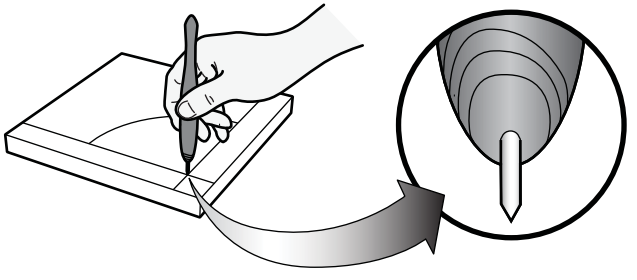

Figure 1: Inlay pin awl.

Inlay Chisels 05K12.21, .22, .23

The inlay chisels are used to refine the ends of grooves that could not be neatly completed with the inlay groove blade (see **Figure 2**). They are also used bevel down to remove any leftover waste at the bottom of a groove (see **Figure 3**). The chisels are available in three thicknesses to match the width of the inlay string being used.

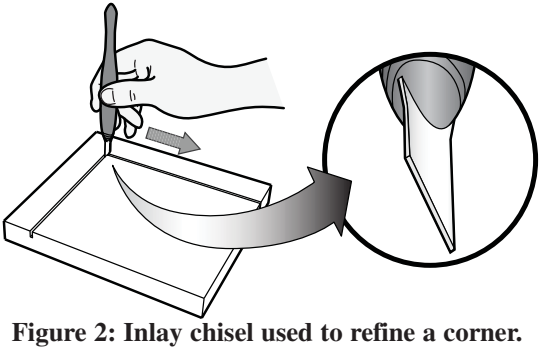

Figure 2: Inlay chisel used to refine a corner.

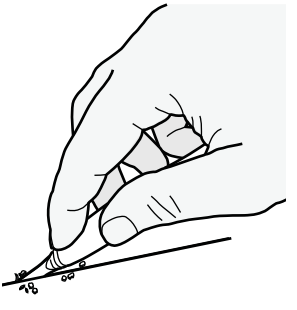

Figure 3: Inlay chisel used bevel down to remove leftover waste.

Template Groove Cutters 05K12.11, .12, .13

The template groove cutters are used to clear any fibers remaining in the grooves before the string is inlaid.

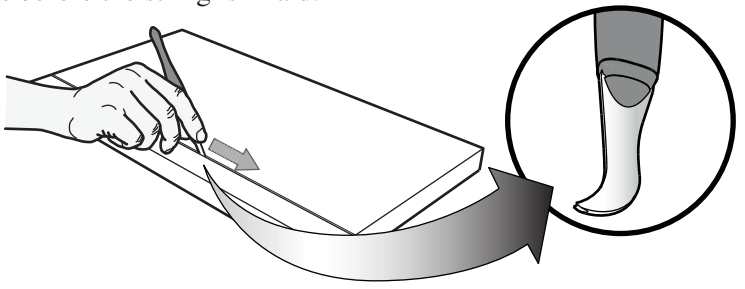

Figure 4: Template groove cutter used to clear fibers in a groove.

The template groove cutters share the same geometry as the cutters for the Veritas Inlay String Tool System, and can be used to make freehand grooves for inlay string where the groove cutter (with fence or compass center) cannot reach.

Freeform Grooves

Use the template groove cutters when your string inlay design calls for shapes other than arcs and straight lines. The spiral design shown in **Figure 5** will be used to demonstrate how to make freeform grooves.

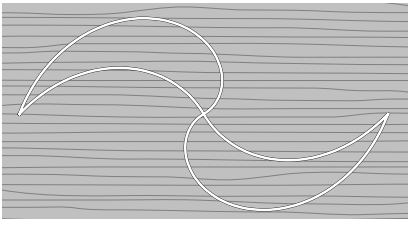

Figure 5: Example freeform design.

In this design, there are four lines: two identical inner curves and two identical outer curves. You will need two templates to cut the grooves for these curves; one for the inner curve and one for the outer curve, as shown in **Figure 6**. comme l'illustre la **figure 6**.

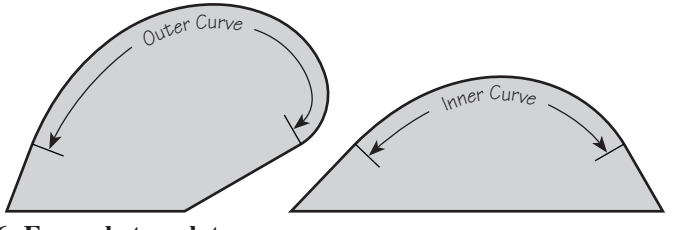

Figure 6: Example templates.

The thickness of your templates will affect the ease of keeping the groove cutter upright while tracing the templates. The ideal template thickness for use with the groove cutters is 1/4″. The template profile should be extended at both ends to provide clamping registration, and the section to use should be marked to facilitate alignment.

Clamp one of the templates to your workpiece, as shown in **Figure 7**. Push the groove cutter around the template to score the groove. Pull the groove cutter back around the template to cut the groove. Keep the blade upright and against the template for this task. Repeat for as many times as required to achieve the depth required. Start with light cuts and increase pressure to create a deeper groove.

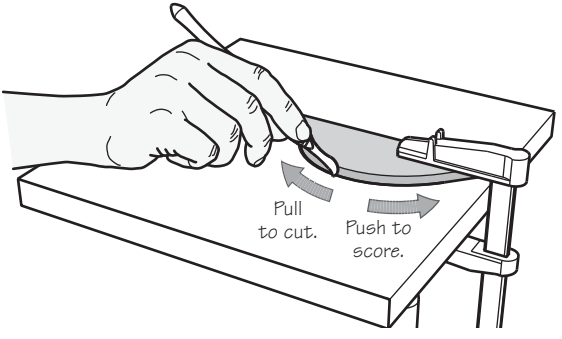

Figure 7: Scoring and cutting the groove.

Reposition the same template and use the same push-then-pull procedure to extend the half groove to its full length. This single "flattened S" groove would be inlaid with string **before** the third and fourth grooves are cut in the same manner. This process prevents the tear-out that occurs when one groove intersects another. **Figure 8** illustrates the steps to create the example design.

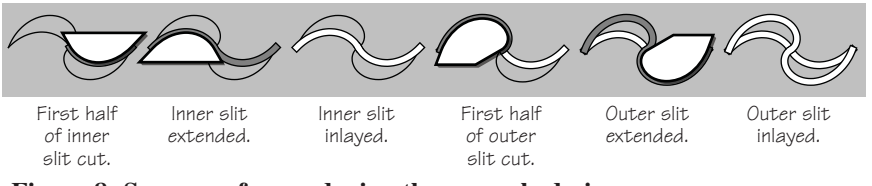

Figure 8: Sequence for producing the example design.

Sharpening

To sharpen the inlay chisels, pinch the blade alongside a sacrificial block of wood or dense plastic (to keep the chisel oriented correctly) and stroke the bottom edge of the blade along an 800x or 1000x sharpening stone.

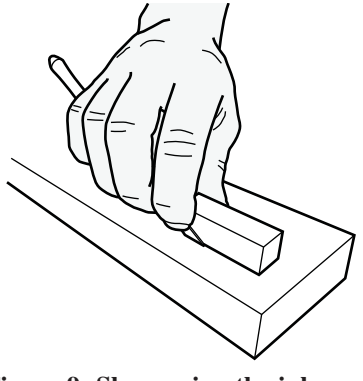

Figure 9: Sharpening the inlay chisel.

The groove cutters can be sharpened in one of two ways. If you have a 60° needle file and a magnifying loupe, you can sharpen the V-notch by taking a single stroke. Alternatively, a small-diameter dowel (less than 3/8″) with some fine-grit sandpaper can be used to remove a small amount of material from the front face of the cutter. If you wish, both techniques can be used.

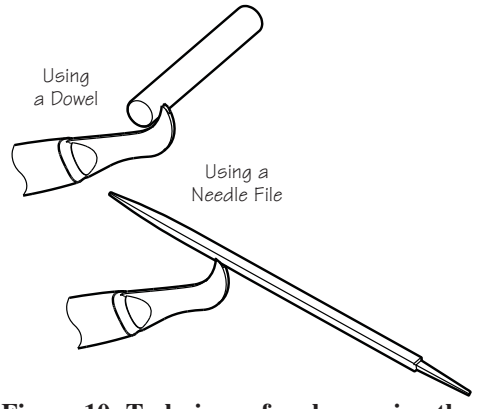

Figure 10: Techniques for sharpening the groove cutter.

Accessories

05K12.01 Inlay Pin Awl
05K12.21 0.025″ Inlay Chisel
05K12.22 0.032″ Inlay Chisel
05K12.23 0.040″ Inlay Chisel
05K12.11 0.025″ Template Groove Cutter
05K12.12 0.032″ Template Groove Cutter
05K12.13 0.040″ Template Groove Cutter
05K12.31 0.025″ Groove Cutter/Chisel Set
05K12.32 0.032″ Groove Cutter/Chisel Set
05K12.33 0.040″ Groove Cutter/Chisel Set