

## Ulu Knife Kit

Product: #161198

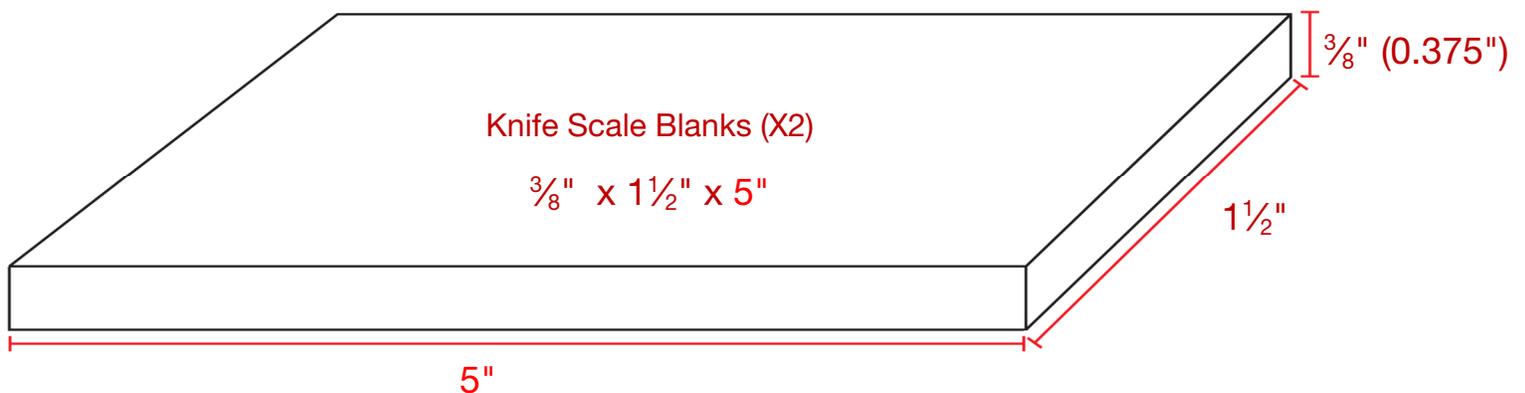
8/24/2017

### Warning:

The blade comes pre-sharpened! Make sure you cover the cutting edge of the blade with several layers of painter's/masking tape to prevent injury to yourself.

### Supplies Needed to Complete Kit:

- 1/8" Brad-Point Bit
- 5/32" Brad-Point Bit
- 3/8" x 1 1/2" x 5" Knife Scale Material (x2)
- Bandsaw/Scrollsaw
- Drill Press
- F-Style Clamps
- Wood Chisel
- Wood Files/Rasps
- 5-Minute Epoxy
- Sandpaper
- Eye & Ear Protection
- Dust Mask



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### Layout/Creating the Mortise:

From one edge of the 5" length, measure up  $\frac{1}{2}$ ", and scribe a straight line across the entire scale. This line establishes the height of the mortise. Using the  $\frac{1}{2}$ " reference mark, bring the top of the tangs flush to the line. Center the knife blank so that there is equal amount of material to the left and right of the knife blank. With a pencil, trace the outline of the knife tangs onto knife scale. Once you have done this, transfer the same layout to the other knife scale. The mortise that you will create should be approximately  $\frac{11}{16}$ "w x  $\frac{1}{2}$ "h x  $\frac{3}{64}$ "d on each scale. Using a sharp chisel, carefully pare out the mortise for the tangs of the knife blank. This step will require dry fits to ensure a tight fit. Once the mortises have been completed on both halves the knife scales, the tangs of the knife blank should fit snugly into these mortises. Lay the tangs of the knife blank in both scales, and mark the centers for the boring process. The use of rivets, although recommended, is optional.

**The following steps involve the boring steps if the rivets are being used.**

Using an  $\frac{1}{8}$ " brad-point bit, drill from the mortised side out to where the brad-point just breaks through the back side of the scale, do not drill completely through. Repeat this for the remaining mortises. Flip the scales over, and from the front side of the scales, using a  $\frac{5}{32}$ " brad-point bit, drill a  $\frac{5}{32}$ "-deep hole in all 4 mortises. Align the brad-point with the small dimple created from the previous boring process.

### Shaping & Assembly:

- Glue the two halves together; ensure that the mortises are aligned with each other and free of glue. Clamp and cure.
- Once the glue has cured, dry fit the knife blank into the handle. If the rivets are being used, ensure a proper fit.
- Sculpt the handle to your desired shape using files, rasps, and sandpaper. Once the desired shape has been achieved, sand to 320 grit. Apply a finish of your choice, making sure to not get finish into the mortises. Next, mix a small amount of 5-minute epoxy. Apply epoxy to the inside of the mortises, and install the tangs of the knife blank into the pockets. If rivets are being utilized install them at this point. Immediately clean any adhesive that may have squeezed out.