

## WoodRiver® Side Lock Folder Knife Kit

Product: #163955

10/22/2018



### 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:

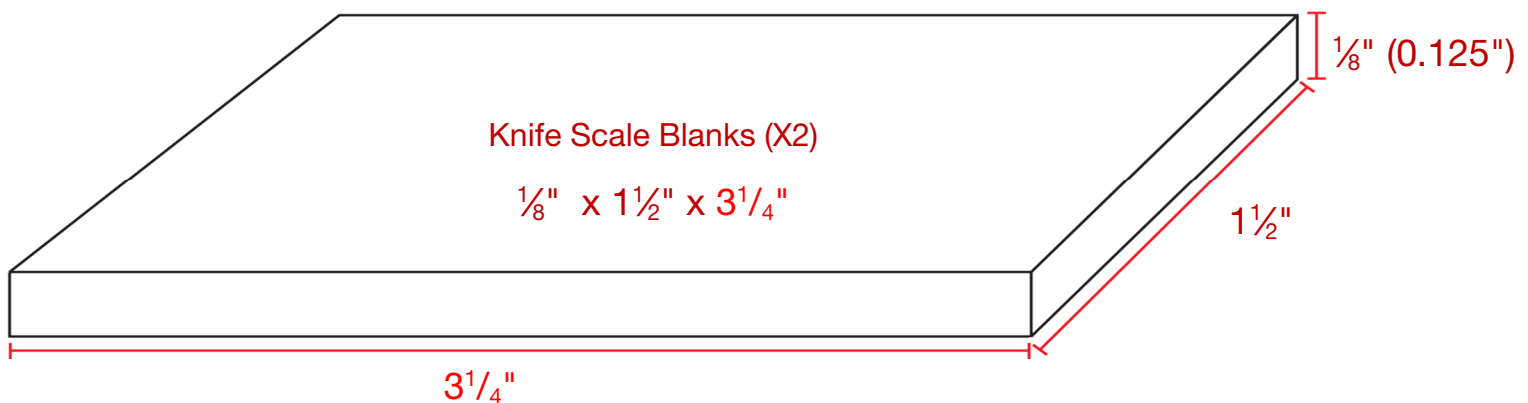
- $\frac{5}{32}$ " Drill Bit (Counter Bore)
- 2.5mm Drill Bit (Thru Hole)
- 2mm Drill Bit
- Minimum Size Required:  $\frac{1}{8}$ " x  $1\frac{1}{2}$ " x  $3\frac{1}{4}$ " Knife Scale Material (x2)
- Bandsaw/Scrollsaw/Coping Saw
- Drill Press
- F-Style Clamps
- Wood Files/Rasps
- 5-Minute Epoxy
- Sandpaper
- Eye & Ear Protection
- Dust Mask

### Layout & Cutting:

**Note:** It will be necessary to remove the pocket clip before starting this project. Blade will need to remain fully extended during the assembly/finishing process. Examine your knife scales to determine which side will be seen (exterior side). Once determined, join the interior sides together using double-sided tape, making sure that the ends and sides of the blanks are flush. Using the provided template, trace out the profile onto the knife scales. Cut out the profile of the handle, leaving the lines previously traced. Once the scales have been cut out to shape, separate the two halves and remove the double-sided tape.

### Drilling & Shaping:

Using a small piece of double-sided tape, position one of the scales to the knife liner and press into place. Using the 2mm bit as a center punch, mark the hole locations. Repeat the above steps for positioning the other knife scale. From the interior side of the scales, using the 2.5mm brad-point bit, set the depth of bore on the drill press just to the point where the brad-point bit will leave a small dimple on the exterior side of



**WoodRiver® Side Lock Folder Knife Kit**

Product: #163955

10/22/2018

the scale. Drill the 2 holes required for the shaft of the rivets on both scales. The dimple created during the boring process will be used in a later step.

Next, using the  $\frac{5}{32}$ " brad-point bit, set the depth of bore on the drill press to bore a  $\frac{3}{64}$ "-deep hole in the exterior sides of the scales. Using the dimple created earlier as your reference point, counter bore both scales.

**Note: Verify measurements with your scale material before boring any holes.**

**Shaping & Assembly:**

- Clean the interior of the scales and knife liner with acetone. This helps ensure that all residue is removed.
- Dry-fit the scales to the knife liner. Once satisfied with the fit, mix and apply 5-minute epoxy to both the knife liner and interior side of the scales. Apply the scales to the knife liner, and install the screw-together rivets. It will still be necessary to use clamps to apply light pressure during the curing process. Remove any excess epoxy at this time.
- Once cured, sculpt the handle to the desired shape using files, rasps, and sandpaper. Once the desired shape has been achieved, sand to 320 grit.
- Apply a finish of your choice.

