

WoodRiver Tanto Style Knife Kit

Product: #171892

7/22/2020

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:

- $\frac{7}{32}$ " Drill Bit
- 7mm Drill Bit
- Minimum Size Required: $\frac{1}{4}$ " x $1\frac{1}{2}$ " x $3\frac{1}{2}$ " 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
- Double-sided Tape

Layout & Cutting:

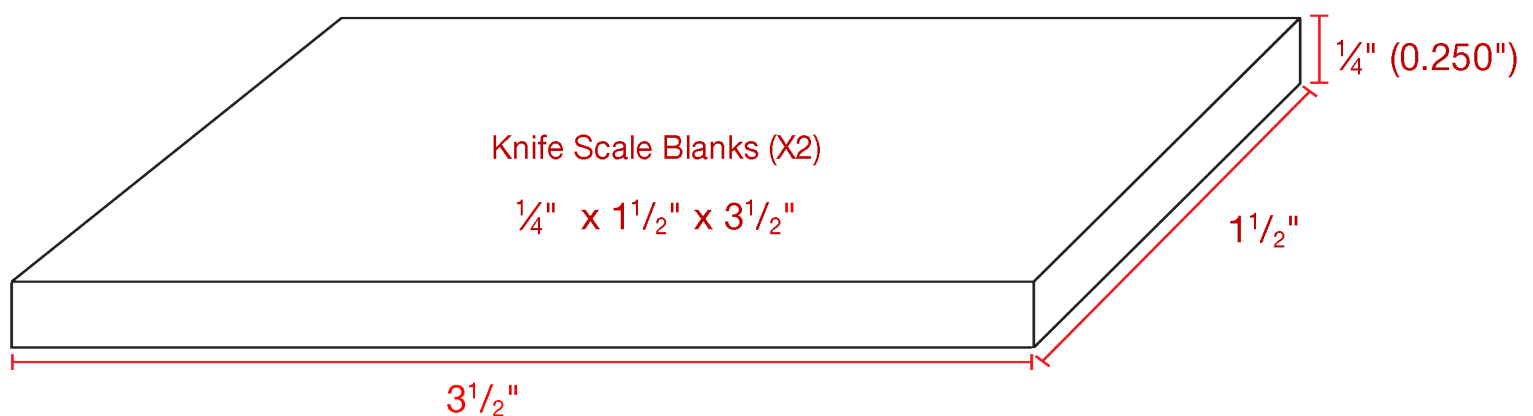
Examine your knife scales to determine the exterior/interior side. Once determined, join the two interior sides together using double-sided tape, ensure all four sides of the blanks are flush. Using the knife blank, trace the tangs profile onto the scales. Cut out the profile of the handle, leaving the lines previously traced.

Drilling & Shaping:

Using two small pieces of double-sided tape, position the knife tang onto the knife scales and press into place. Using a $\frac{7}{32}$ " bit, center the bit in each of the two holes on the tang. Drill completely through both knife scales. Use of a sacrificial piece of wood underneath the scales is recommended to help prevent tearout. Once scales have been drilled, separate the knife blank from the scales, then separate the two scales. Next on the exterior side of the scales center the 7mm bit over the previously drilled holes and drill the counterbore to the proper depth. **Note: The depth of counterbore is dependent on the thickness of the knife tang and scales combined. Verify measurements utilizing scale material and blade thickness before calculating the depth of bore.**

Shaping & Assembly:

- Clean the interior of the scales and knife tang with acetone or denatured alcohol. This helps ensure that all residue and oils are removed along with aiding in good adhesion.
- Dry-fit the scales to the knife tang. Once satisfied with the fit, mix and apply 5-minute epoxy to the knife tang, and interior side of scales. Apply the scales to the knife tang, and install the screw together rivets. 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 through progressive grits up to 600 grit depending on material and desired finish.



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- Apply a finish of your choice, polish as desired.