

## Folding Knife Kit



### Rockler# 53335

This video is about making the Rockler Folding Knife Kit# 53335.

This can be an easy to make kit, given the notes I have made on this.

Also my notes on making an inlay design.

#### Links:

Woodworkers Journal on making this knife

<https://www.youtube.com/watch?v=d3Nj1kNqNNY&t=281s&index=3&list=PLPD7GtC2wAFqXgPbitPKU20IIIRfx03CA>

[www.GLCrafts.com](http://www.GLCrafts.com)

## Gary Lundgren Crafts

Johnstown PA

814-410-2900

[www.GLCrafts.com](http://www.GLCrafts.com)

# Assembly Instructions for SK-405 Liner Lock Kit

## Custom Knife Kit (SK-405)

**Read complete instructions before starting.**

### WARNING:

This blade comes pre-sharpened. Cover the blades edge with several layers of masking tape before you begin working on your knife kit. Once finished remove the tape and clean any residue with hot soapy water or acetone.

### MATERIALS & TOOLS REQUIRED:

Handle material 3/16" to 1/4" thick  
Vice grips or C clamps  
1/16" & 5/64" hex (allen) wrenches  
5 minute epoxy  
Sand paper (150, 220, 320, 400, & 600 grit)

Oscillating spindle sander (optional)  
Saw (Coping saw, scroll saw, or bandsaw)  
Flat and round files  
Finish

### HANDLE (SCALES) SELECTION & DIMENSIONS

Knife handles or scales can be made from any domestic, exotic hardwood, or mad made material. The scales should be 3/16" to 1/4" thick, width 1 1/2", and a length of 4". Determine which side of the scales will be the interior side and mark the outside of both scales.

### Step 1. PREPARATION

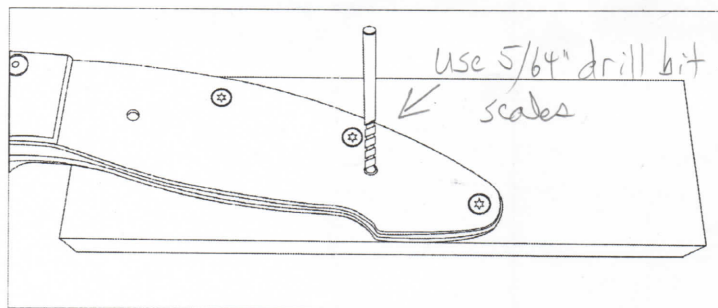
Square at least one end of each scale. Next hold the body of the knife and place the side of the scale that you have determined to be the inside portion squarely against the bolster and trace the outline of the knife body onto the scale. Follow this step for the other side of the knife. Once completed cut the scales to shape, slightly oversized, ensuring to leave the line intact.

### Step 2. INSTALLING SCALES

There are two methods that can be used to install the scale material to the knife. The first method and one of the easiest is to epoxy the scales to the knife. Begin by mixing up enough 5 minute epoxy to glue both scales to the knife. One side at a time, apply a thin layer of epoxy to both the knife body and scale, attach the scale to the body. Follow the same steps for the opposite side. Once completed align the scales ensuring that they flush to the bolster and that they follow the profile of the knife handle leaving ample material for shaping and finishing.

The second method is to use the supplied screws to attach the scales to the knife body. There will be a total of 7 screws, three are used to attach the pocket clip the other four will be to attach the scales. You will need to separate them by size as they will be different sizes to achieve the desired results. To begin the drilling process lay the knife onto the side of the scale that will be facing the inside of the knife. Using a transfer punch or drill bit slide the rod through the holes in the body of the knife and mark the position of the holes onto the scales. Next begin the drilling process. This will require a two-step drilling sequence. Using a brad point bit bore a 5/32" hole; this will be the counter bore for the head of the screw. The depth of this bore will be determined by the thickness of the scale material being used. A maximum of 5/64" of thread should be exposed once the bolt is pushed through the scale. Once the counter bore has been done use the center mark from the previous bore to drill through the remaining portion of the scale using a 3/32" bit; be sure to use a scrap piece of wood underneath your scales as you drill as this will help prevent split out. Once all of the boring has been completed mix up a small amount of 5 minute epoxy and apply a thin layer to the body of the knife and attach on side at a time using the provided screws.

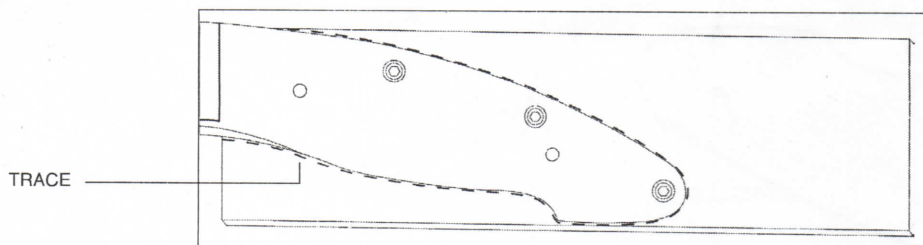
Resaw a piece for  
scales to 1 1/2"  
Resaw that to 1/4".



### Step 3. SHAPING

There are two methods that can be used to shape the scales unattached and attached (follow the above instructions for attaching the scales). Due to the risk of damaging the finished surfaces of the knife it is recommended that all of the shaping and sanding of the scales be done before they are installed. If you choose to install the scales prior to shaping and finishing we recommend that you cover all of the exposed areas of the bolster with masking tape as this will help prevent any unnecessary damage to the knife. If you choose to shape your scales off of the knife begin by shaping the front edge of the scale that mate up to the bolster; using files and sandpaper achieve the desired thickness and profile.

Next shape the edges and thickness of the scales. This process make take several attempts of sanding, filing, and fitting of the scales to achieve the desired thickness and profile that feels comfortable in your hand. Making sure to keep in mind what method you will be using to attach the scales.



### Step 4. FINISHING

Once the shaping is complete begin sanding with 220 grit and finishing with 600 grit. Rub down with 0000 steel wool and apply a finish of your choice, bearing in mind that the knife will be in contact with oils that can breakdown a finish over time. Finish by buffing with white, red, or pink rouge or hand rub with the steel wool and a soft cloth.