

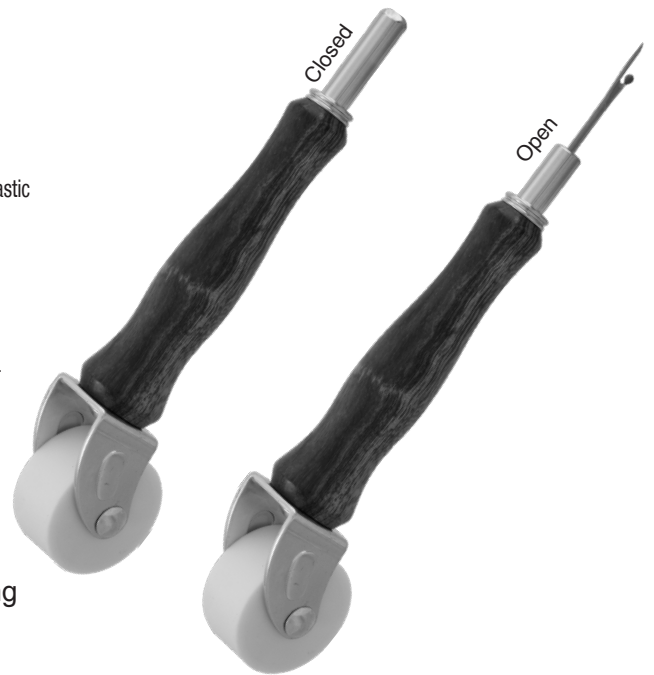
# Seam Ripper / Roller Combo Kit

### Kit Features

- Easy to Turn with Straight Tube
- Minimal Parts--easy to assemble
- EZ Spring Coupler makes insertion of spring quick and easy
- Overall Length: 5-3/4" (closed), 6-3/8" (open)

### Required Accessories

- 7mm Pen Mandrel
- Drill Bit: #PK-38BP for Wood, #PKEXEC-38 for Plastic
- Bushing Set(2pc): #PKSROLSRBU
- Barrel Trimming: #PKTRIM38 or 3/8" sleeve from #PKTRIMSET with squaring jig on disc sander
- Live Tailstock or Mandrel Saver
- 2 part Epoxy or Thick CA (Cyanoacrylate) Glue
- Pen Blank Minimum Size: 3/4" x 3/4" x 3-3/16"L



### Preparing the Blank:

- Prior to cutting and gluing, always verify tube length is correct (see parts diagram on back page)
- Cut blank to the length of the tube, adding 1/16" for squaring off.
- Drill 3/8" hole lengthwise through the blank.
- Spread glue over tube, insert the tube into the blank while twisting to spread the glue evenly inside.
- Center the tube lengthwise inside the blank.
- When the glue is dry, square the ends of the blanks, making sure the trimmed ends are 90° to the tube. Use #PK-TRIM38 or 3/8" barrel trimming sleeve with a pen blank squaring jig on a disc sander. Take the excess material down flush to the ends of the tubes. Do not trim past the end of the tube since this may interfere with assembly and the operation of the mechanism. Use a barrel trimmer to clean the inside of the tube.

DIAGRAM B / TURNING THE BLANK



### Turning the Blank:

- Mount the bushings and blanks according to diagram B.
- When using Mandrel Saver, there is no need for extra spacer bushings or the knurled nut. Slide and lock tailstock directly against bushings and tighten quill until blank and bushings are secure.
- To use Knurled Nut Setup (right), add spacer bushings until past the threads on the end of the Mandrel Shaft.
- Thread on the Knurled Nut and hand tighten to hold all components in place.
- Slide the Tailstock up snugly against the Mandrel shaft, inserting the live center point into the Mandrel dimple.
- Lock Tailstock and hand tighten the quill adjustment with wheel to steady the mandrel. Do not over-tighten, it could damage mandrel shaft.
- Using sharp tools, turn the blank down close to the bushing diameter. Turn the barrel straight or to a profile of your choice.
- Sand the blank down to be flush with the bushings, gradually increasing sandpaper grits.
- Finish the barrel using your choice of polish. Allow sufficient time for the polish to cure—refer to polish manufacturer's instructions.

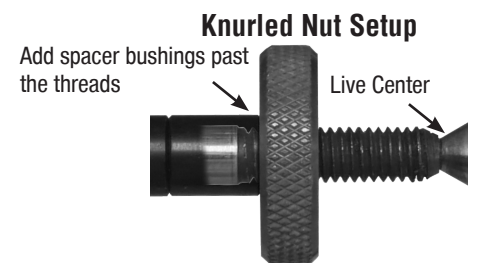
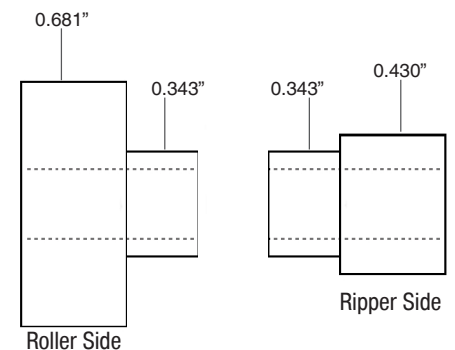
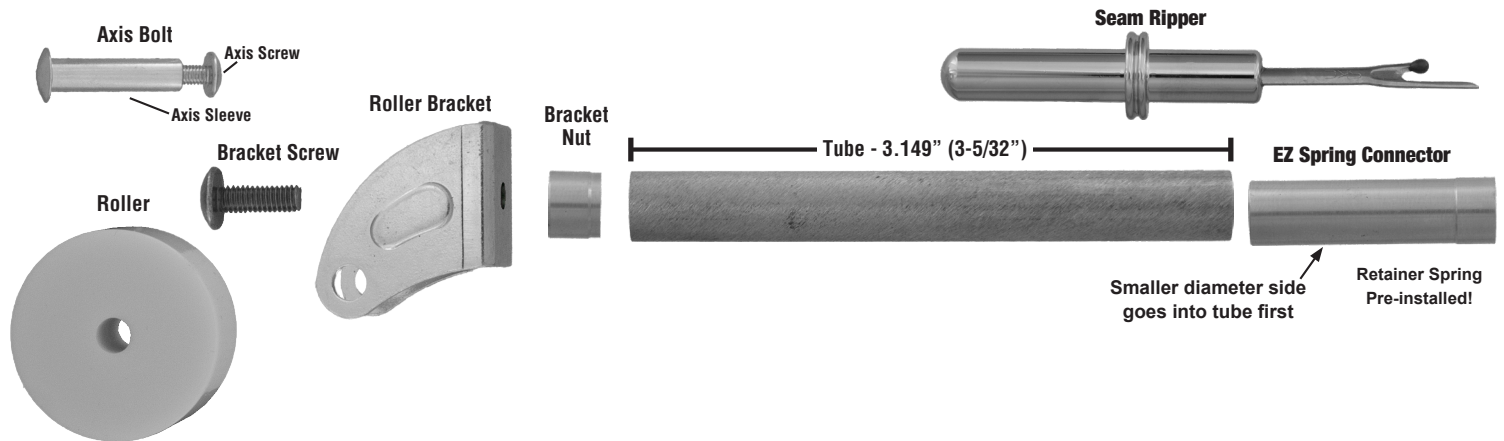


Diagram C / Bushing #PKSROLSRBU



## Diagram D / Parts Layout

**Assembly:**

- Press Bracket Nut, reduced diameter first, into larger diameter end of Barrel until flush with the end.
- Press EZ Spring Connector into smaller diameter end of Barrel.
- With the Roller off, thread Bracket Screw through the Bracket and into the Bracket Nut; tighten with screwdriver.
- Slide the Roller into the Bracket, lining up the hole in the Bracket with the hole in the Roller.
- Slide the Axis Sleeve through the Bracket and Roller and thread the Axis Screw into the Sleeve on the other side of the Bracket; tighten with screwdriver.
- Seam Ripper can be inserted into the Connector. Insert back of the blade to use the Barrel as a handle or Blade can be inserted for storage.