

# SEAM RIPPER & MINI SCISSOR KIT

## Kit Features

- Convenient access to two useful sewing tools
- Long length for easy gripping
- Easy to Turn with Straight Tubes
- Minimal Parts--easy to assemble
- Overall Length: 6-7/8" (closed) 9-1/4" (open)

## Required Accessories

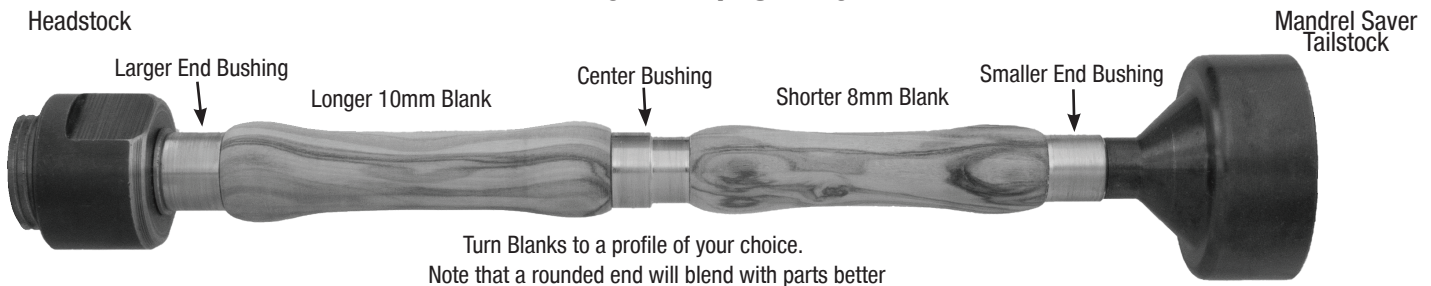
- 7mm Pen Mandrel
- Drill Bit: #PK10-10 & #PKPARK-8MM for Wood, #PK-10MMMSG & PK-8MMMSG for Plastic
- Bushing Set(3pc): #PKSRSCBU
- Barrel Trimming: PKTRIM8 & PKTRIM10 or 10mm & 8mm sleeve from #PKTRIMSET
- Live Tailstock or Mandrel Saver
- 2 part Epoxy or Thick CA (Cyanoacrylate) Glue
- Pen Blank Minimum Size: 3/4" 3/4x " x 4-7/8"L



## Preparing the Blank:

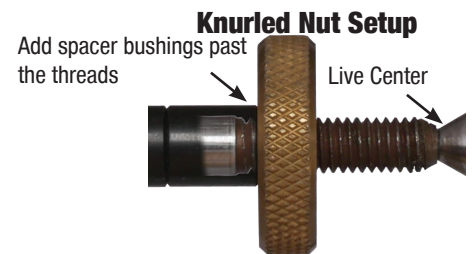
- Cut blanks to the length of the tubes, adding 1/16" for squaring off.
- Drill 10mm hole lengthwise through the longer blank. Drill 8mm hole through shorter blank.
- Spread glue over tubes, insert the tubes into the blanks with a twisting motion to spread the glue evenly inside.
- Center the tubes lengthwise inside the blanks.
- When the glue is dry, square the ends of the blanks, making sure the trimmed ends are 90° to the tube. Use 10mm and 8mm Barrel Trimmers or 10mm and 8mm Sleeves (#PKTRIMSET) 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 tubes since this may interfere with assembly. Use a barrel trimmer to clean the inside of the tube.

## DIAGRAM B / TURNING THE BLANK

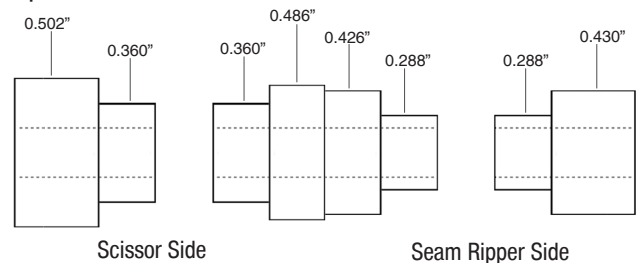


## Turning the Blank:

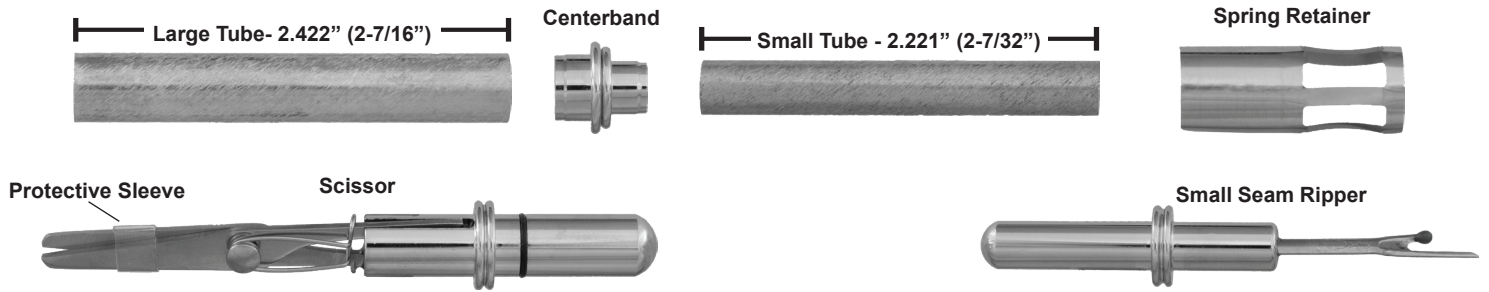
- Mount the bushings and blanks according to diagram B.
- When using Mandrel Saver, there is no need for extra spacer bushings or the knurled nut. Slide and lock tailstock directly against bushings and tighten quill until blank and bushings are secure.
- To use Knurled Nut setup (right), add spacer bushings 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 #PKSRSCBU



## Diagram D / Parts Layout



## Assembly:

- One at a time, press each Tube onto Centerband.
- Curl Spring Retainer into a small roll, with long edges overlapping. This can be done more easily by wrapping the Retainer around a rod such as the Mandrel shaft or a 1/4" drill bit.
- Keeping the Spring Retainer rolled, insert the solid, non-slotted end into the opening of the smaller Tube. Continue sliding the Retainer into the tube, keeping it from unrolling until it is at least two-thirds of the way into the tube. Push the remaining portion flush with the end of the Tube. To prevent the Retainer from bending, do not try to force it.
- Insert Small Seam Ripper into the opening in the small Tube.
- Slide the protective sleeve off of the scissor. Insert Scissor into the opening of the large Tube.
- To use, both Scissors and Seam Ripper can be pulled out of their respective sides and flipped, inserting the back end of the tool into the Tube. After use, tools can be flipped back and inserted for storage.

## Diagram E / Tool Positions

