

Embossing Stylus Kit

Kit Features

- Easy to Turn with Straight Tubes
- Minimal Parts—easy to assemble
- Available in multiple finishes
- Includes 4 interchangeable styluses
- Magnetic tips hold Styluses securely
- Storage in Magnetic Centerband
- Overall Length: 6-5/16"

Required Accessories

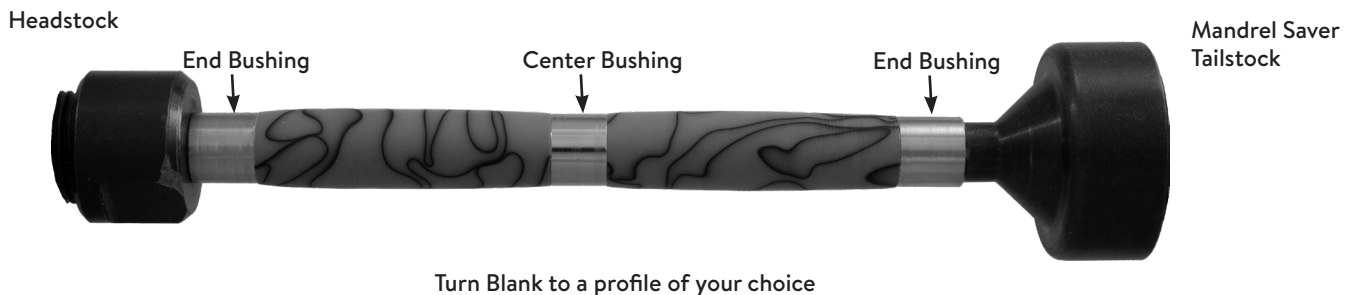
- 7mm Pen Mandrel
- Drill Bit: #PK10-10 for Wood, #PK-10MMSG for Plastic
- Bushing Set(3pc): #PKEMBBU
- Barrel Trimming: #PKTRIM10 or 10mm sleeve from #PKTRIMSET with squaring jig on disc sander
- Live Tailstock or Mandrel Saver
- 2 part Epoxy or Thick CA (Cyanoacrylate) Glue
- Pen Blank Minimum Size: 3/4" x 3/4" x 4-1/16"L

Preparing the Blank:

- Prior to cutting and gluing, always verify tube length is correct (see parts diagram on back page)
- Cut blanks to the length of the tubes, adding 1/16" for squaring off.
- Drill 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 PKTRIM10 or 10mm 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.

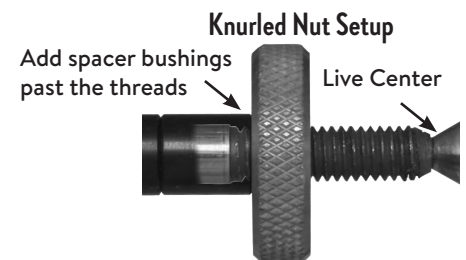


Diagram C / Bushing #PKEMBBU

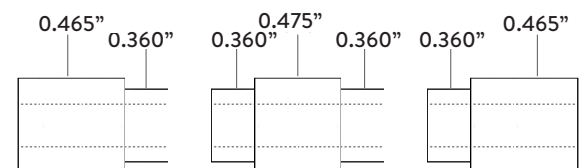
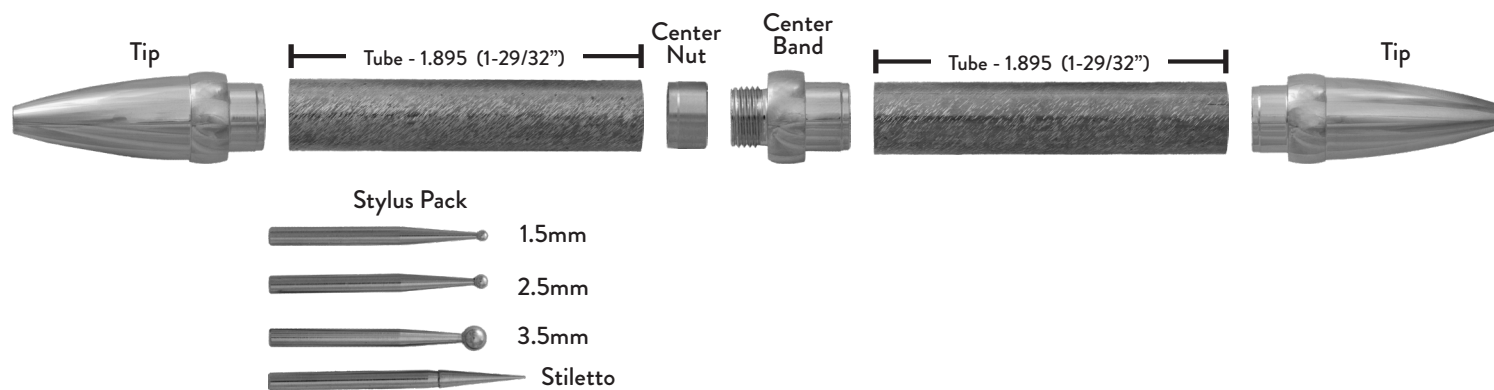


Diagram D / Parts Layout

**Assembly:**

- Note that The Center bushing is slightly larger than the end bushings. This means the Tip ends of both Barrels are slightly smaller. Be carefull when removing Barrels from the mandrel to keep orientation.
- Press Tips in the the narrow end of both Barrels.
- Thread Center Nut onto Center Band before trying to press Center Band. This avoids damage to threads.
- Press Center Band into open end of one of the Barrels.
- It is recommended to line up the barrels to match any patterns on the two halves at this point. Push the remaining Barrel onto the center nut until it wedges in place lining up the two Barrels.
- If you do not have capacity to press the entire kit at once, press the two halves separately. Make sure the Center Nut is wedged into the Barrel and carefully unthread it. Then press the Center Nut into the Barrel until it is even with the end. This will preserve the grain matching when the twqo halves are threaded back together.
- Styluses can be stored by unscrewing the two halves and placing the styluses in the opening in the Center Band. A magnet in the Band will hold them in place.
- Styluses can be inserted into either Tip and will stay in place magnetically.