

# Tweezer Kit

## Kit Features

- Portable and handy for on-the-go use
- Easy to Turn with Straight Tubes
- Minimal Parts--easy to assemble
- Available in multiple finishes
- Overall Length: 4-1/32"

## Required Accessories

- 7mm Pen Mandrel
- Drill Bit: #PK10-10 for Wood, #PK-10MMSG for Plastic
- Bushing Set(2pc): #PKTWEEZBU
- 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 3-9/16"L



## Preparing the Blank:

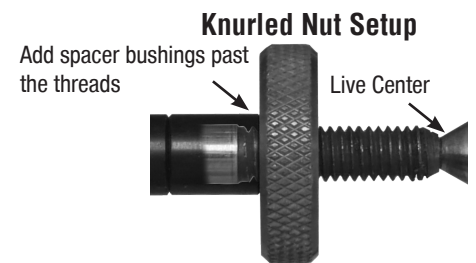
- Cut blank to the length of the tube, adding 1/16" for squaring off.
- Drill 10mm hole lengthwise through the blank.
- Spread glue over tube, insert the tube into the blank with a twisting motion to spread the glue evenly inside.
- Center the tube lengthwise inside the blank.
- When the glue is dry, square the ends of the blanks, making sure the trimmed ends are 90° to the tube. Use a 10mm Barrel Trimmer or a pen blank squaring jig with 10mm sleeve 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. Use a barrel trimmer to clean the inside of the tube.

## DIAGRAM B / TURNING THE BLANK

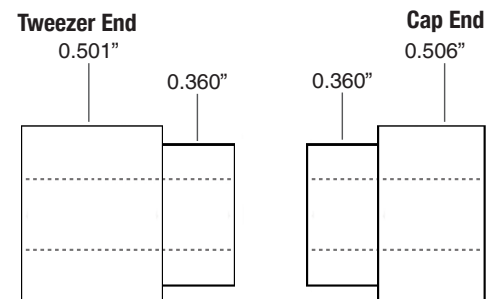


## Turning the Blank:

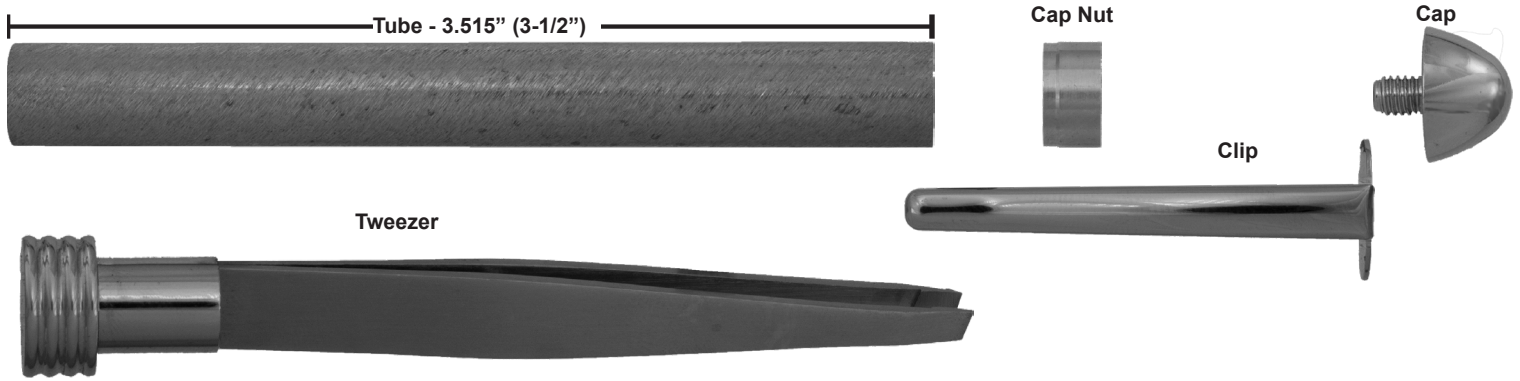
- Mount the bushings and blanks according to diagram B.
- When using Mandrel Saver, there is no need for extra spacer bushings or the knurled nut. Slide and lock tailstock directly against bushings and tighten quill until blank and bushings are secure.
- To use Knurled Nut Setup (right), add spacer bushings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



## Diagram D / Parts Layout

**Assembly:**

- Press Cap Nut, reduced diameter first, into upper, larger diameter end of Barrel.
- Thread Cap through Clip and into the Cap Nut.
- Slide Tweezer into the open end of the Barrel.
- If the fit feels too tight or too loose, the tension of Tweezers can be adjusted by carefully bending the arms.
- To Use Tweezers, simply slide out of the Barrel.