

Everlasting Pencil Kit

Kit Features

- Easy to Turn with Straight Tubes
- Hard lead rarely needs replacing
- Minimal Parts—easy to assemble
- Available in multiple finishes
- Overall Length: 5-3/16"

Required Accessories

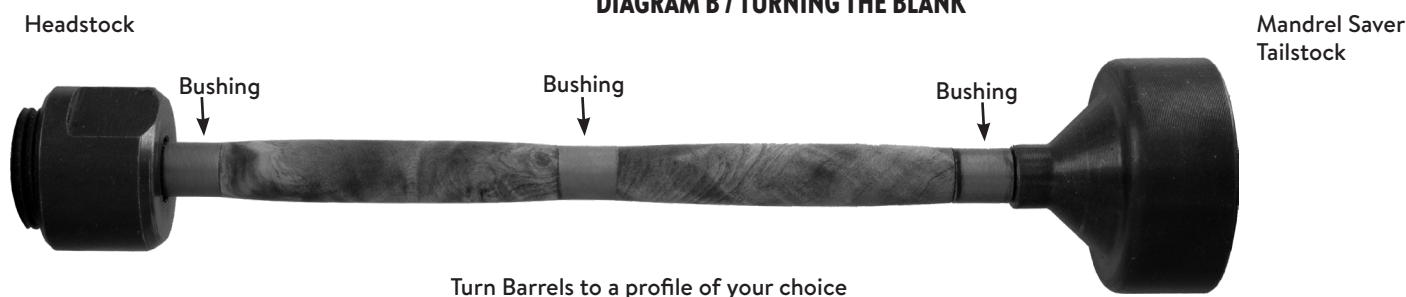
- 7mm Pen Mandrel
- Drill Bit: #PK-7MM for Wood, #PK-7MMMSG for Plastic
- Bushing Set(pc): #PKM-BUSH3
- Barrel Trimming: #PKTRIM7 or squaring jig on disc sander
- Live Tailstock or Mandrel Saver
- 2 part Epoxy or Thick CA (Cyanoacrylate) Glue
- Pen Blank Minimum Size: 5/8" x 5/8" x 4-5/16"L

Preparing the Blank:

- Prior to cutting and gluing, always verify tube length is correct (see parts diagram on back page)
- Mark the blank with a diagonal line on at least one side. This will help track the orientation of the two halves so they can be lined up during final assembly.
- Cut blanks to the length of the tube, 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 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 a 7mm Barrel Trimmer or 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.

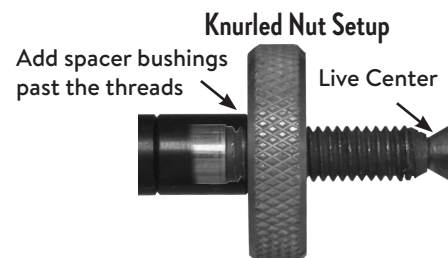


Diagram C / Bushing #PKM-BUSH3

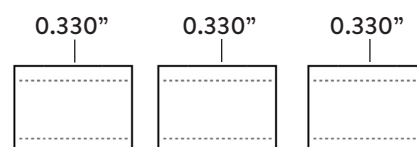
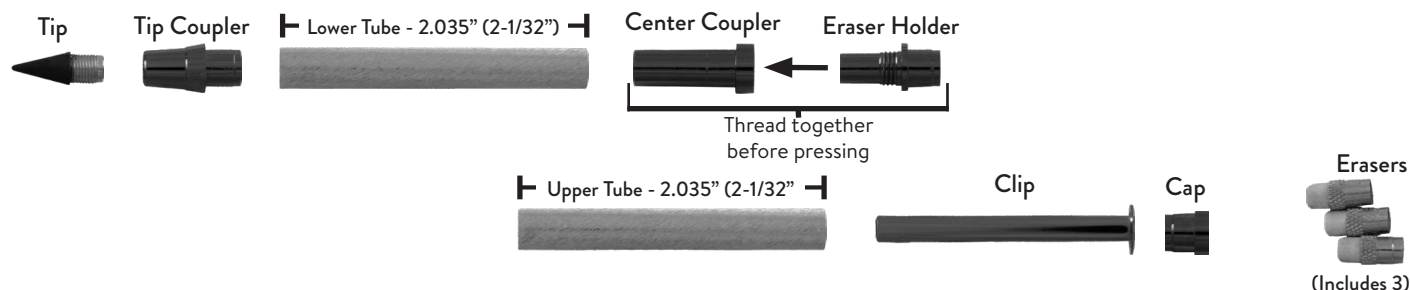


Diagram D / Parts Layout



Assembly:

- **Important: Eraser Holder and Center Coupler must be threaded together when pressed to prevent damage to Eraser Holder.**
- Press Cap through the Clip into the top end of the Upper Barrel.
- Press the Tip Coupler into the bottom end of the Lower Barrel.
- Make sure the Eraser Holder and the Center Coupler are threaded together. Note that they can be pressed in either Barrel as you prefer (see Diagram E). We recommend the Eraser Holder be at the bottom of the cap so that Eraser can be used without turning the pencil over and potentially losing spare Erasers.
- Press Center Coupler into the open end of either Barrel.
- Press the remaining Barrel onto the Eraser Holder (which should still be threaded into the Center Coupler for this step).
- Thread the Tip into the Tip Coupler.
- Unthread the Eraser Holder from the Center Coupler and insert one of the erasers into the Holder. The remaining Erasers can be stored in the other half of the Pencil by inserting them into the opening in the Center Coupler. Erasers can be stored bare or with their metal holders (some rattling can be heard).
- Thread the two halves back together.
- The Pencil can be used freely to write or draw and will last through extensive use before needing to be replaced with a new tip.
- To use the Eraser, simply unthread the two halves to reveal the Eraser. If extra erasers are stored in the other barrel be careful not to let them fall out.

Diagram E / Eraser location options

