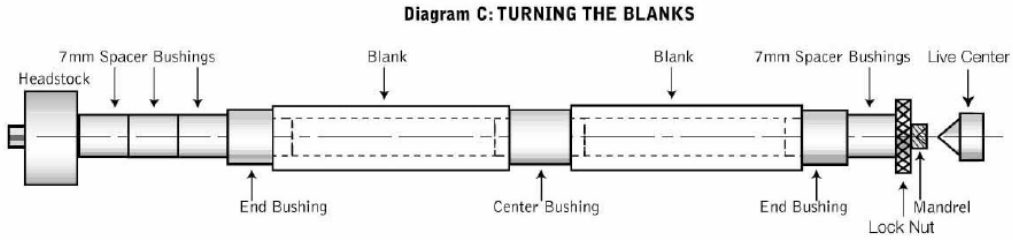
Slimline Pro Pen&Pencil Kits Assembly Instructions

REQUIRED ACCESSORIES

• Required Accessories:
• 7mm, long mandrel
• 3 piece bushing set
• 8mm drill bit
• 8mm barrel trimmer
• super glue or 2 part epoxy glue or inst-cure (cyanoacrolate glue).

PREPARING THE BLANKS FOR TURNING

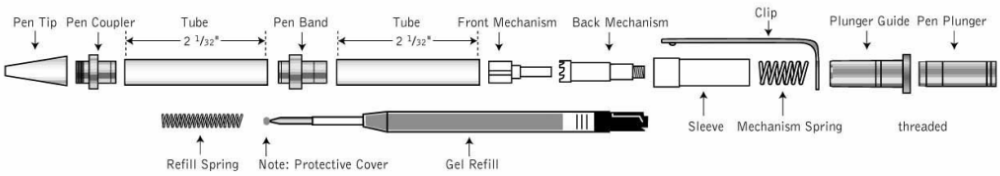
• Cut 3/4" to 5/8" square blanks, to the length of the brass tubes (add 1/16" for squaring off)
• Drill an 8mm-centered hole lengthwise through each blank. Spread glue over the tubes. Insert the tubes into the blanks with a twisting motion to spread the glue evenly inside, then center the tubes lengthwise inside the blanks.
• When the glue dries, square the ends of the blanks. Use an 8mm barrel trimmer or belt/disc sander to take the wood down flush to the brass tube.



TURNING THE BLANKS

• Place 3-4 spacer bushings onto the mandrel. Next, place an end bushing, wide-end first onto the mandrel. Then, slide on a blank, insert the center bushing, and follow with the other blank.
• Insert an end bushing, narrow-end first. Use standard 7mm bushings to fill the space to the thread. Thread the lock-nut on and hand tighten.
• Bring the tail stock snug with the mandrel (do not over tighten, it could damage the mandrel). Adjust to remove the spaces, then tighten the lock nut and lock the tail stock in place.
• Turn the wood down, flush with the bushings using a chisel and gradual higher grits of sandpaper. Finish with your choice of polish and wax (Shellawax or other).

Diagram A: PEN PARTS



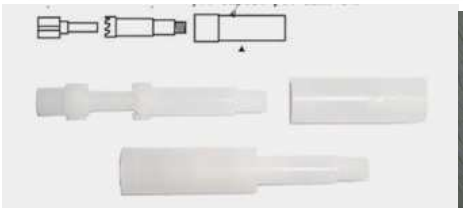
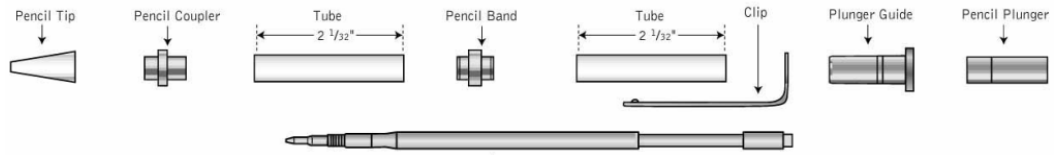


Diagram B: PENCIL PARTS



PEN ASSEMBLY

Line up finished parts according to diagram A.

• Press the pen coupler, wide-end first into the lower barrel.

• Press the center band short extension first into the opposite end.

• Insert the 3 part plastic mechanism (follow diagram) narrow diameter of the sleeve in first (threaded stub pointing upward) push in until flush with the edge. Slide the lower barrel with the center band longer extension into the upper barrel pushing the mechanism sleeve further inside. Continue by pressing the remaining extension inside.

• Slide the plunger guide, narrow end first, into the clip hole. Press this assembly into the opposite end of the barrel.

• Insert the refill through the coupler, and push the mechanism towards the clip end until the threaded end of the back mechanism is held close to the end of the plunger guide.

• Drop the mechanism spring over the threaded stem, and screw the plunger onto the thread and tighten.

• Slide the refill spring over the threaded the tip of the refill, and screw on the pen tip.

• The pen is now ready to use. Just click the plunger to extend or retract the refill

PENCIL ASSEMBLY

Line up finished parts according to diagram B.

• Press Pencil coupler, wide end first, into the lower barrel.

• Press the center band extension first into the opposite end.

• Press the upper barrel into the exposed end of the band.

• Slide the plunger guide, narrow end first, into the clip hole. Press this assembly into the opposite end of the barrel

• Insert the pencil mechanism through the plunger guide on top into the pencil until the thread is showing through the coupler.

• Thread the pencil tip over the coupler to the wood.
• Push the plunger over the eraser until it stops.
• The pencil is ready to operate by clicking the plunger to advance the lead. To retract the lead, just press on the plunger and hold. Push the pencil down – the lead will retract.
• To reload with lead, just pull out the plunger and the eraser and drop new lead sticks into the chamber.