

SLIMLINE CLICK PEN

Instructions

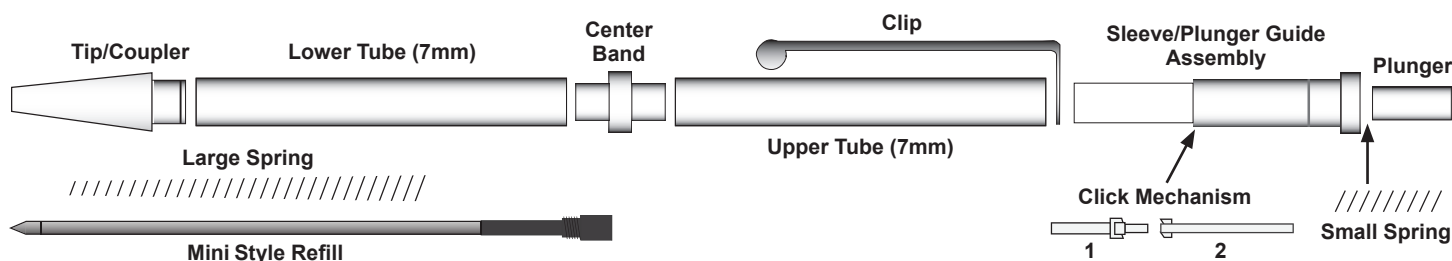
Kit Features

- Affordable
- Easy to turn and assemble
- A variety of different accessory clips and center bands are available
- Turn straight "bushing to bushing" or with whatever artistic flair you choose
- Mini style refills (RE-MINI)

Required Accessories & Materials

- 7mm mandrel
- 3-pc. Slimline bushing set (SLIMBUSH)
- 7mm drill bit (DB7MM)
- 7mm barrel trimmer or belt sander to square the ends of the blanks to the tubes
- Glue (We recommend the thick "gel" CA glue—GTHICK2)
- Sanding and finishing supplies

Diagram A - Pen Parts and Assembly



BLANK PREPARATION

Both tubes in a Slimline kit are 2-1/32" long. **Cut** your blanks approximately 1/16" longer than the tube to allow for squaring with the barrel trimmer. If using wood blanks, mark the blanks so it is easier to keep the grain running in the same direction when you place them on the mandrel for turning. Use a medium drill speed to **drill** the blanks. Raise the bit from the blank every 1/4" to 1/2" to allow the chips to clear from the flutes of the drill bit. Don't force the drill bit; use an even pressure and let the bit do the work. After drilling the blanks, **sand** the exterior of the brass tubes to roughen their surface and use CA **glue** to glue the tubes inside the blanks. Sand or barrel trim to **square** the ends of the blanks.

TURNING THE PEN

Set up the mandrel as shown in Diagram C. In a Slimline pen and pencil, all the bushings are the same size. **Turn** the blanks down to the bushings, then **sand** with abrasives and **finish** with your choice of polish.

Diagram B - 7mm Bushings



ASSEMBLY

(Line up finished parts according to Diagram A)

To avoid damage to components when assembling, use a vise with covered jaws or one of WoodTurningz' pen presses.

1. Press the center band into the lower barrel. Press tip onto opposite side of barrel.
2. Slide the plunger guide, narrow end first, into the clip hole. Press this assembly into the end of the upper barrel.
3. Push 1 & 2 together on the click mechanism and then insert the into the sleeve/plunger guide assembly from the left side/lower end (follow diagram). Push in until flush with the edge.
4. Press the center band into the opposite end of the upper barrel.
5. Unscrew the tip from coupler. Place the large spring (narrow end first) onto the refill and then insert through the coupler/lower barrel, 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.
6. Drop the mechanism spring over the threaded stem inside the plunger guide assembly, screw the plunger onto the thread and tighten.
7. Screw tip onto the coupler. Pen is now ready to use. Click the plunger to extend or retract.

Diagram C - Turning the Pen/Pencil

