

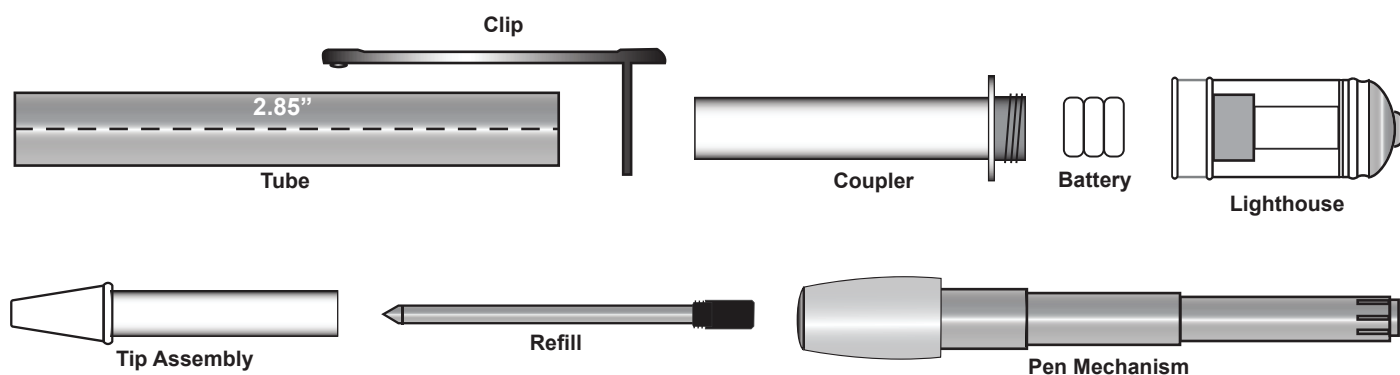
Kit Features

- Smooth twist mechanism
- Ink refills (RE-LHOUSE)
- Overall length: 5-1/2"

Required Accessories & Materials

- 7mm mandrel
- 2-pc. Lighthouse bushing set (PKLHOUSE-BU)
- Drill bit – 3/8" (DB3/8)
- Universal trimming kit (BTRIMKIT8)
- Glue (We recommend the thick "gel" CA glue—GTHICK2)
- Sanding and finishing supplies

Diagram A - Parts and Assembly



BLANK PREPARATION

The Lighthouse pen has a single tube measuring 2.85". **Cut** your blank approximately 1/16" longer than the tube to allow for squaring with the barrel trimmer. Use a medium drill speed to **drill** the blank. 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 blank, **sand** the exterior of the brass tube to roughen its surface and use CA **glue** to glue the tube inside the blank. Sand or barrel trim to **square** the ends of the blank.

TURNING THE PEN

Set up the mandrel as shown in Diagram C. The pen's upper and lower bushings both have an outside diameter of .5" (see Diagram B). **Turn** the pen blank to the bushing diameter at the ends. **Sand** with abrasives and **finish** with your choice of polish.

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. Thread Clip onto upper Coupler and then press into turned Barrel.
2. Drop Battery Pack into Coupler with "LR41" facing down.
3. Screw Lighthouse top onto the Coupler.
4. Carefully insert lower Pen Mechanism into turned Barrel.
5. Thread Refill into Pen Tip Assembly.
6. Slide Tip Assembly into Lower Pen Mechanism.

Diagram B - Bushings

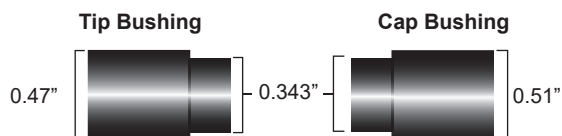


Diagram C - Turning the Pen

