

## HOPE PEN Instructions

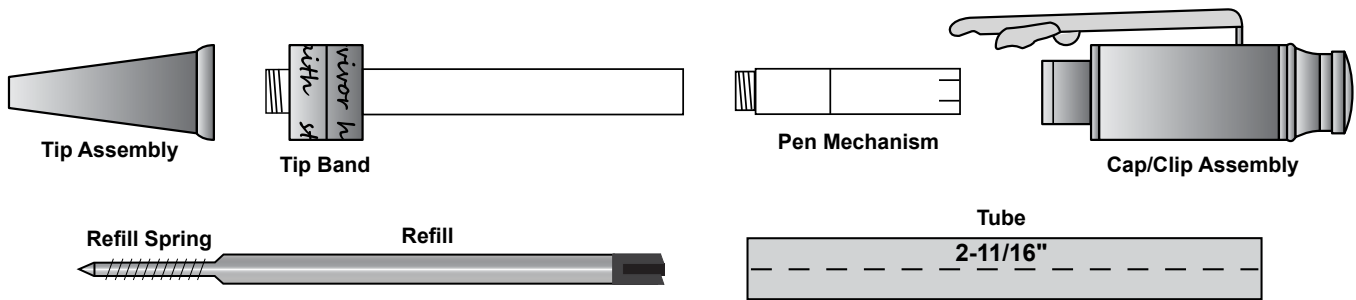
### Kit Features

- Smooth twist mechanism
- Parker™ style refills (RE-PARK)
- Overall length: 5-1/2"

### Required Accessories & Materials

- 7mm mandrel
- 2-pc. Virtuoso bushing set (PKVIRT-BU)
- Drill bit – 3/8" (DB3/8)
- Universal trimming kit (BTRIMKIT9)
- Glue (We recommend the thick "gel" CA glue—GTHICK2)
- Sanding and finishing supplies
- Replacement Tubes: PKHOPE-TU2

### Diagram A - Parts and Assembly



### BLANK PREPARATION

The Hope pen has a single tube measuring 2-11/16". **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 Hope pen's upper and lower bushings both have an outside diameter of .460" (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. Screw the Tip Band into the Tip assembly, insert the refill with spring and screw on the Pen Mechanism. Then set aside.
2. Press Cap/Clip Assembly into the upper end of the barrel.
3. Slide the Mechanism Assembly into the open end of the barrel.
4. The pen is now ready to operate; twist clockwise to open.

### Diagram B - Bushings



### Diagram C - Turning the Pen

