

# The Big Ben Stylus Tip Pen Kit

## PKBIGSTXX

### Kit Features:

Primary Functions features:

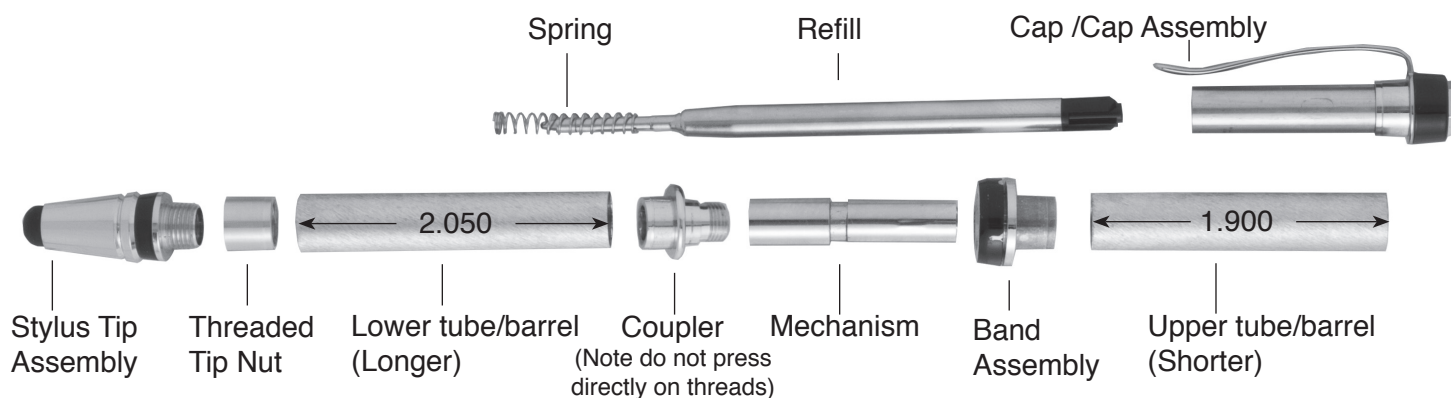
- Easy to turn with straight tubes
- Minimum parts - easy to assemble
- Uses Parker® Style Refills
- Available in multiple finishes
- Uses Parker® style Refill
- Overall length: 5 5/8"
- Replacement stylus tip available #PKBIGSTIP (pack of

### Required Accessories:

- 7mm Pen Mandrel
- Drill Bit: 10MM #PK10-10
- Bushing set (3 pc): #PKBIG-BU
- Barrel Trimming set: #PK-TRIM10
- Live Tailstock Center
- 2 Part Epoxy Glue or Insta Cure (Cyanoacrylate) Glue
- Pen Blank: Minimum Size: 3/4" X 4 1/2"
- Replacement stylus tip #PKBIGSTIP (pack of 4)



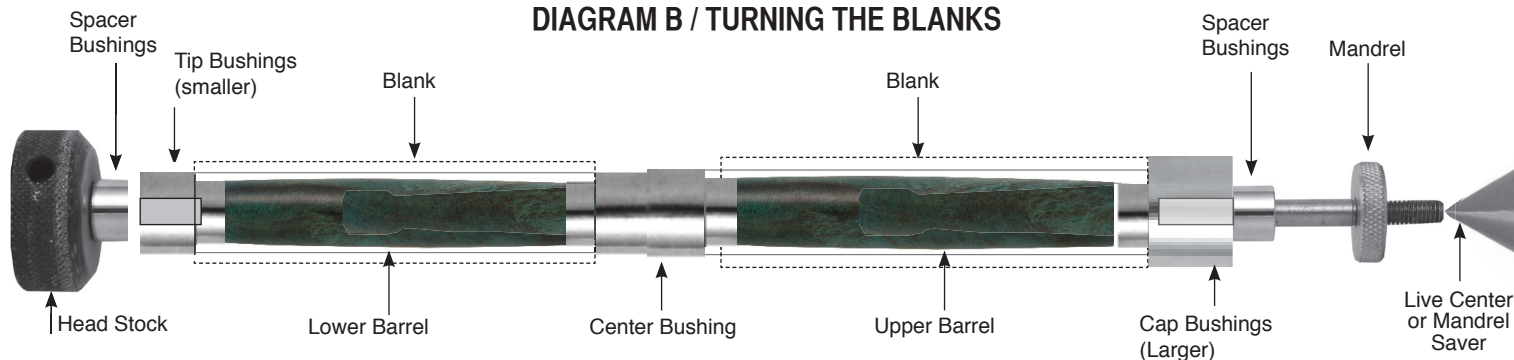
DIAGRAM A / PARTS LAYOUT



### Preparing the Blank:

- Cut 2 blank to the length of the tube and add 1/16" for squaring off.
- Drill 10mm holes lengthwise through the blank.
- Spread glue over the tube(s), insert the blank with a twisting motion to spread the glue evenly inside.
- Center the tube lengthwise inside the blank.
- When the glue is dry, square the ends of the blanks. Use a 10mm barrel trimmer, or a universal pen blank squaring jig with a power disc sander. Take the excess material down flush with the ends of the brass tube. (Do not trim beyond the length of the tube since this may interfere with operation of the mechanism and assembly).
- Use a barrel trimmer to clean the inside of the tube.

DIAGRAM B / TURNING THE BLANKS



**Turning the Blank**

Mount the bushings and blanks according to diagram B.

- 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 in place.
- Hand tighten the quill adjustment to firm up the mandrel. (DO NOT overtighten, it could damage the mandrel.
- 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 the sandpaper grits.
- Finish the barrel with your choice of polish. Allow sufficient time for the polish to cure. Refer to polish instructions.

**Assembly**

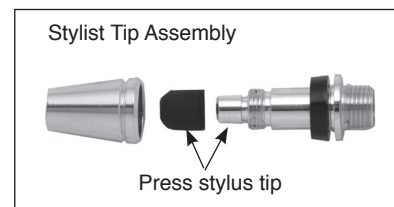
Layout finished parts according to DIA "A"

- Press the threaded tip, recessed end first into the smaller DIA. end of the lower barrel.
- Press the coupler, recessed end in first into the opposite end of the lower barrel.

Note: to avoid damage, do not press directly over the threads rather cut a section of a pen blank. 3/4" long drill a 8mm hole through the wood. Affix over the thread and press.

- \* Screw the stylus tip assembly into the lower end of the barrel.
- \* Affix the spring over the refill, drop into the opening at the coupler.
- \* Thread the mechanism over the refill
- \* Press the band assembly into the larger DIA. of the upper barrel
- \* Press the clip/cap assembly into the opposite end of the barrel.
- \* Press the upper and lower ends of the pen together to close the gap.
- \* To operate the pen, twist the ends to advance or retract the refill
- \* To replace stylus unscrew pen tip as shown in DIA D. Press on stylus tip #PKSTIP

**Dia. D**



**Diagram C / Bushings #PKBIG-BU**

