

# The Screwdriver Pen Kit w/ screw on cap

PKSDPEN24 • PKSDPENCH • PKSDPENGGM

## Kit Features:

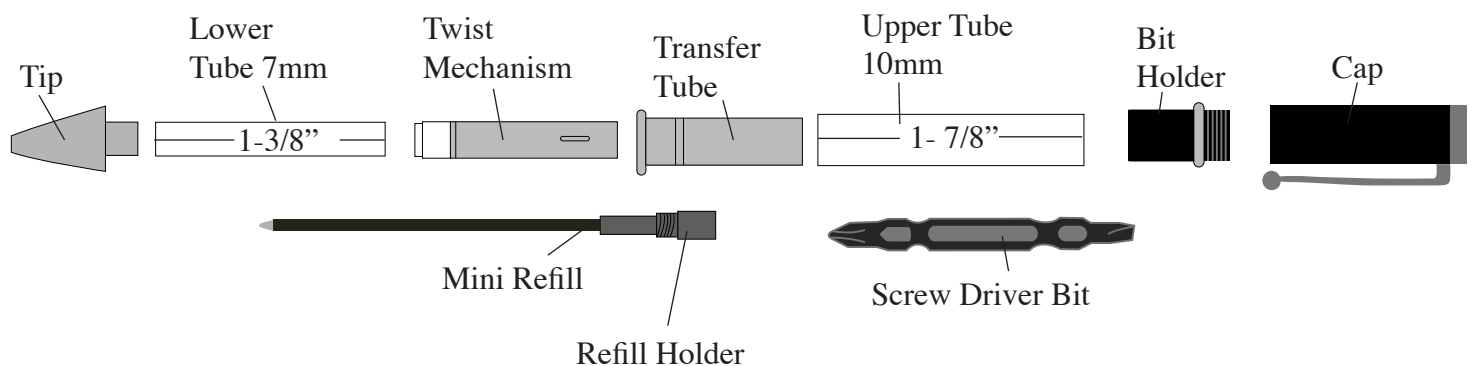
- Combined Screwdriver & Pen
- East to turn with straight tubes
- Minimum parts - easy to assemble
- Available in multiple finishes
- Overall Length - 5-9/16"
- Uses standard Mini Refill
- Included Flat & Philips Screw Driver Combo Bit
- Tubes: 7mm & 10mm

## Required Accessories:

- 7mm Pen Mandrel
- Drill Bits #PK-7MM, #PK10-10
- #PKSDBU Bushing set (3 pc)
- 10mm, 7mm Barrel Trimming set
- Live Tailstock Center
- 2 Part Epoxy Glue or Insta Cure (Cyanoacrylate) Glue
- Pen Blank: Minimum Size- 5/8" x 4"

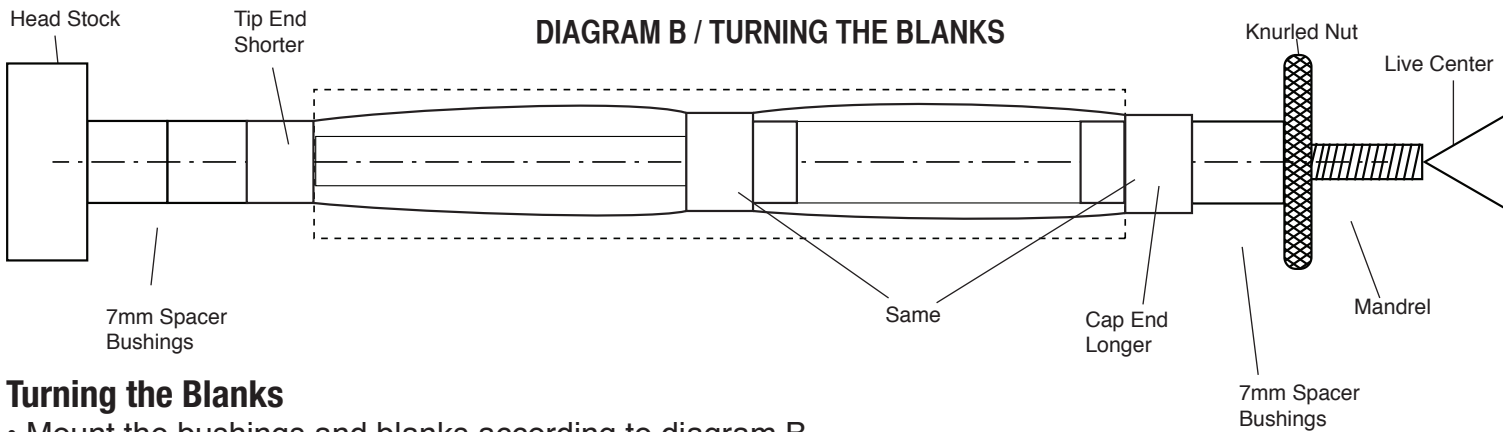


## DIAGRAM A / PARTS LAYOUT



## Preparing the Blank:

- Cut 2 blanks to the length of the tubes and add 1/16" for squaring off.
- Drill 7 & 10mm holes lengthwise through the blanks.
- Spread glue over the tube(s), insert the blank with a twisting motion to spread the glue evenly inside. Center the tubes lengthwise inside the blanks.
- When the glue is dry, square the ends of the blanks. You can use a 7mm & 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.



### Turning the Blanks

- 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 barrels (straight or to a profile of your choice)
- Sand the blanks 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 parts according to diagram A
- Press the tip into either end of the lower barrel
- Press the twist mechanism into the opposite end of the barrel. Stop when 3/4" of the brass is showing.
- Insert the mini refill and screw into the opening at the mechanism. Turn the mechanism clockwise and check for extension of refill tip and retract.
- Press the transfer tube into either end of the upper barrel.
- Insert and press the bit holder, long end first into the opposite end of the barrel.
- Insert either end of the screw driver bit into the opening of the black end, push in to seat firmly.
- Affix the cap assembly over the screw driver, thread on.

### Diagram C / Bushings #PKSDPENBU

