

# Mini Designer Twist Ball Point Pen Kit

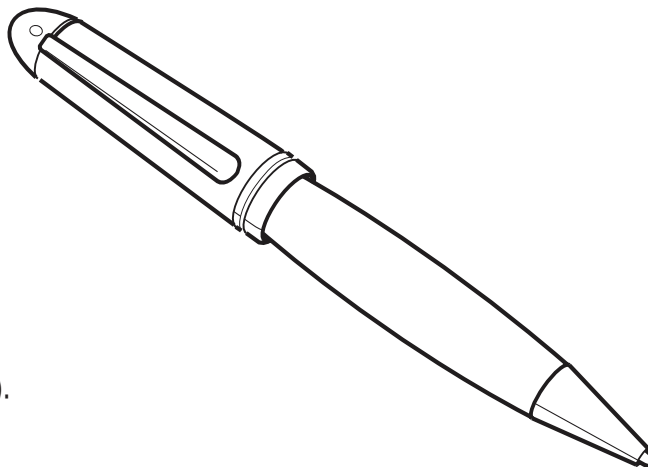
NT Series

## KEY FEATURES

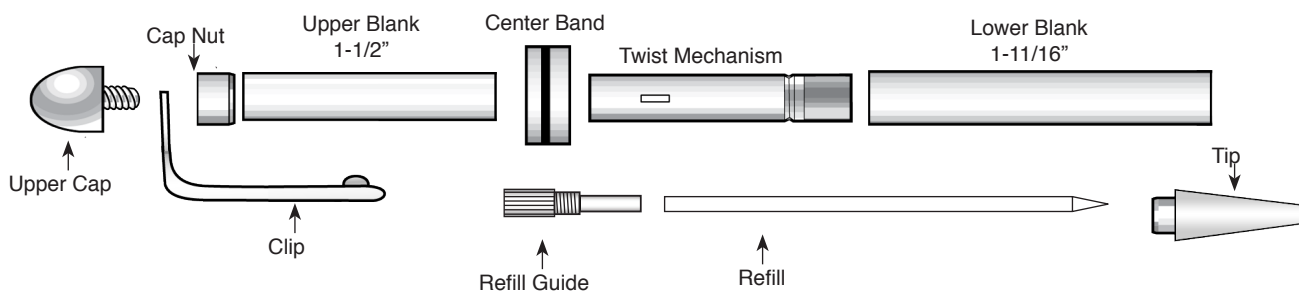
- Convenient Storage.
- No need to cut a tenon.
- Smooth operating twist mechanism.
- Uses Mini Style Ball Point Refill.
- Overall length: 4-1/4".

## REQUIRED ACCESSORIES

- 7mm, long mandrel.
- 7mm drill bit #PK-7MM.
- Designer pen bushings #PKMONT2-BU (center only) and 7mm Slimline bushings #PKM-BUSH3(two each).
- 7mm barrel trimmer #PKTRIM7 (optional).
- 2 part epoxy glue or insta-cure (cyanoacrylate) #PKGLUE1 or #PKGLUE2.



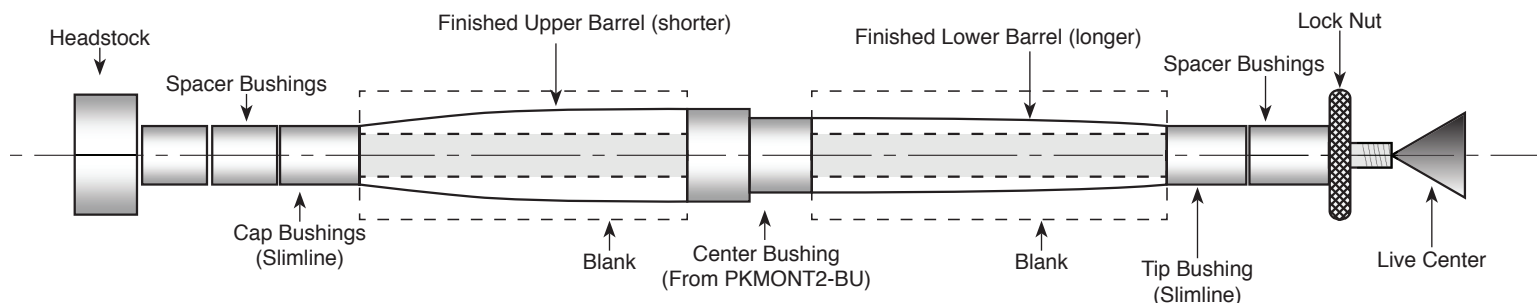
## DIAGRAM A / PARTS LAYOUT



## PREPARING THE BLANKS

- Cut 5/8" square blanks, to the length of the brass tubes (add 1/16" for squaring off).
- Drill a 7mm centered hole lengthwise through each blank.
- Spread glue over the tubes. Insert the tubes into the blanks with a twisting motion to spread the glue evenly inside. Center the tubes lengthwise inside the blanks.
- When the glue dries, square the ends of the blanks. You can use a 7mm barrel trimmer shaft. Take wood down flush to the brass tube.

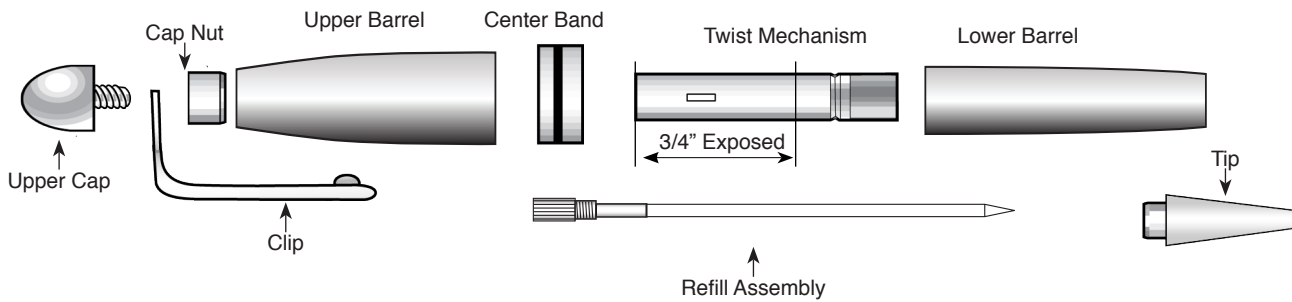
## DIAGRAM B / TURNING THE BLANKS



## TURNING THE BLANKS

- Mount the bushings and blanks on the mandrel according to diagram B
- Turn the wood down, close to the size of the bushing. Sand the wood down to match the bushing diameter.
- Finish the wood with your choice of polish.

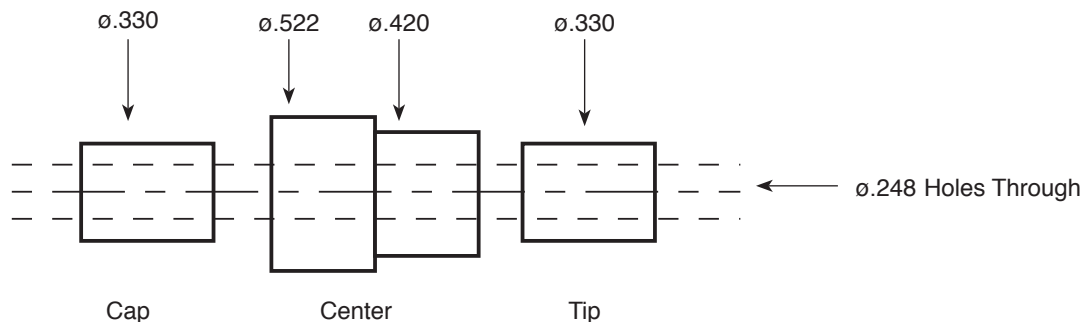
## DIAGRAM C / ASSEMBLY



## ASSEMBLY

- Line up finished parts according to Diagram C.
- Press the cap nut, recessed end in first into the narrow end of the upper barrel. Insert the screw in the upper cap through the clip and tighten.
- Press the tip into narrow end of the lower barrel.
- Press the twist mechanism, brass end in first into the opposite end of the lower barrel. Press until only 3/4" of the chrome end is exposed (See Diagram C) Insert refill into refill guide and screw into twist mechanism test for proper tip extension. Remove refill and press in further if necessary.
- Slide the center band, over the exposed mechanism.
- Engage and push both barrels together.
- Pen operates by twisting the barrels to extend or retract the refill tip.
- To change refill - remove from guide and insert new refill (style #PKMINI-R5)

## DIAGRAM D / BUSHINGS - PKMONT2-BU (center) &amp; PKM-BUSH3 (cap and tip)



Philadelphia, PA 19115