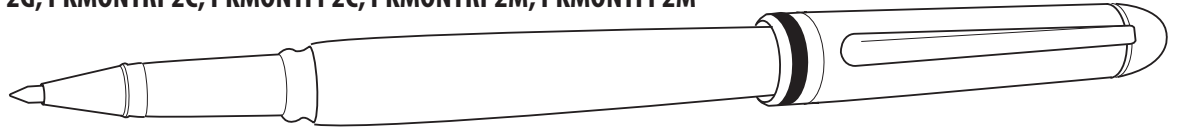


Designer Rollerball & Fountain Pen NT Screw on Cap

PKMONTRP2G, PKMONTFP2G, PKMONTRP2C, PKMONTFP2C, PKMONTRP2M, PKMONTFP2M



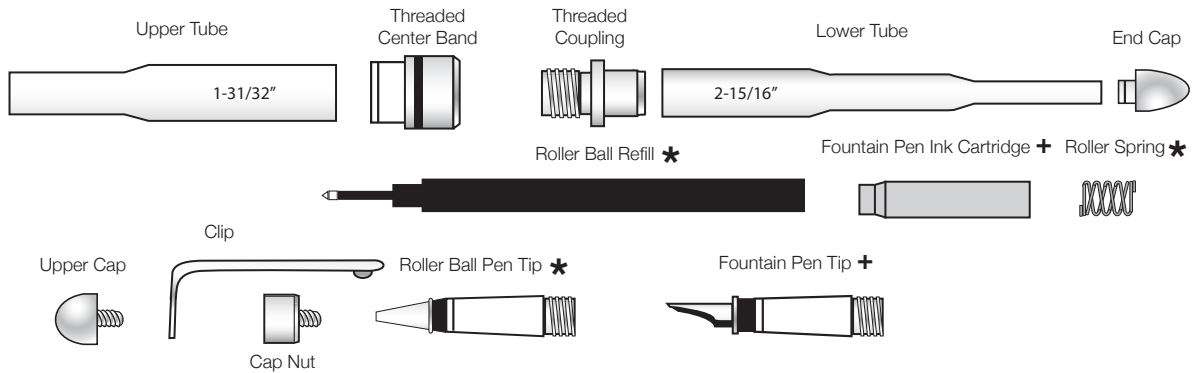
Kit Features:

- Designed to match other PSI Designer pens
- Smooth Threaded screw-on cap
- Roller ball refill with black ink
- Fountain pen iridium tip, medium nib, German made
- Overall length: 5-3/4" (closed)

Required Accessories:

- 7mm, pen mandrel
- 3 pc. bushing set PKMONT-BU3
- Step drill bit set (2 bits) PKMONT-SD3
- 2-part epoxy glue or insta-cure (cyano acrylate glue)

Diagram A- Parts Layout



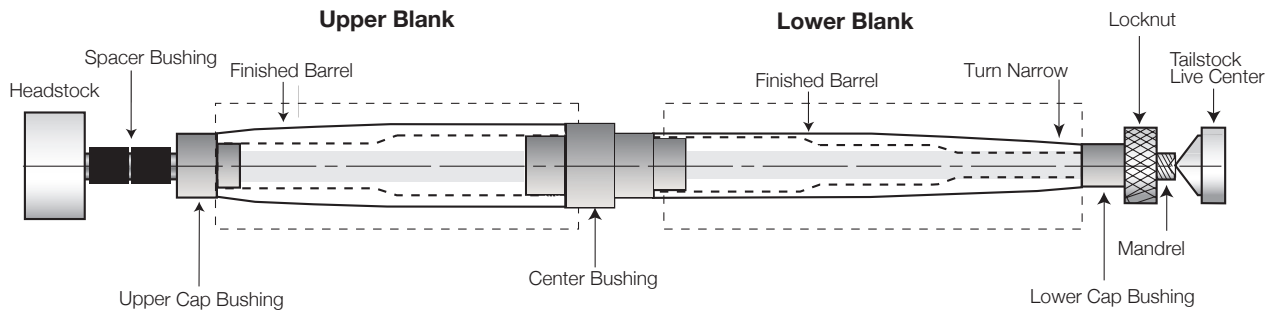
(*) in TRP (rollerball) model only (+) in FRP (fountain) model only

Preparing the Blanks

- Cut 3/4" to 5/8" square blanks to the length of the brass tubes (add 1/16" for squaring off). Requires 5-1/4 blank.
- Drill center hole lengthwise through each blank. For the upper blank use the 2-step drill bit. For the lower blank use the 3-step drill bit.

- Spread glue over tubes. Insert into proper blanks with a twisting motion to spread the glue evenly inside. Center each tube lengthwise in the blanks.
- When the glue dries, square the ends of the blanks. Use a belt/disc sander to take the wood down flush to the brass tube at each end.

Diagram B- Turning the Wood Blanks



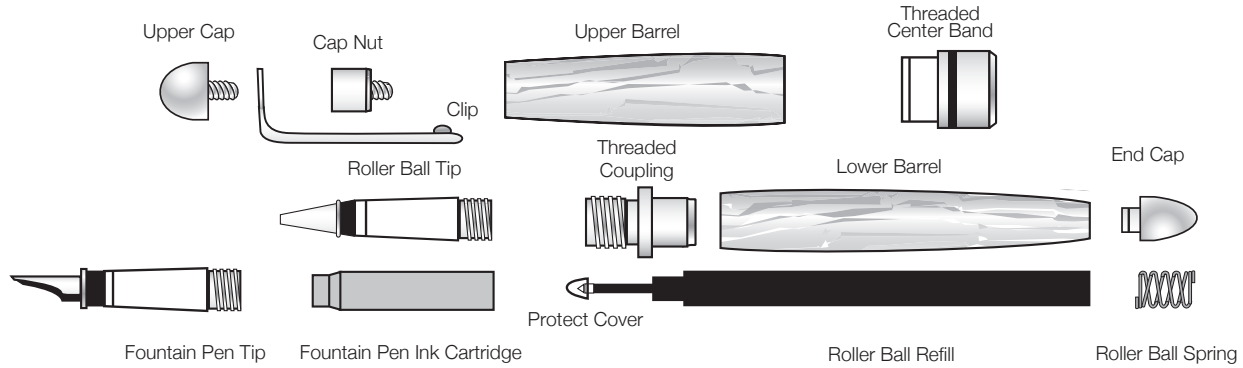
Turning the Blanks

- Place spacer bushings in the mandrel.
- Place the upper cap bushing onto the mandrel, slide on the upper blank. Insert center bushing with larger diameter first, into upper blank. Slide the lower blank onto the mandrel. Insert the lower cap bushing and thread the lock nut hand tight. Bring the tailstock snug with the live center lock in place (do not over tighten, it could damage the mandrel).

- Turn wood down flush with the bushings using a lathe chisel and sand paper. Taper the ends of the blanks (follow diagram 'B' for profile) to conform with the bushings.

Note: The wood at the lower cap needs to fit 3/8" deep inside the upper barrel. Be sure to turn the blank narrow at the end section. Check the fit inside the threaded center band before proceeding with sanding and polishing the barrels.

Diagram C- Assembly



Notes:

- These instructions can be used for both the Roller Ball Pen and Fountain Pen. Follow assembly procedures below to properly handle either style.

Assembly Tips

- Line up the finished parts according to Diagram C.

Upper Barrel (both styles)

- Press the cap nut (screw end first) flush into the tapered end of the blank.
- Place the threaded center band (square end first) into the wide end of the barrel and press in.
- Insert the upper cap thread into the clip - screw together into the cap nut.

Lower Barrel (both styles)

- Press the end cap into the tapered end of the lower barrel.
- Press the coupling into the opposite end of the lower barrel.

For Roller Ball:

- Drop the spring into the lower barrel and insert the refill into the barrel up against the spring. Remove the refill tip protective cover.
- Place the tip assembly over the point of the refill and snugly screw it in against the coupling.
- Place the upper barrel (cap) over the tip. There are four starting thread positions. The thread will lock at each quarter of a turn.

For Fountain Pen:

- Place the fountain pen ink cartridge into the fountain pen tip with enough pressure to pierce the ink cartridge.
- Screw the tip into the coupling with the cartridge attached.
- Place the upper barrel (cap) over the nib. There are four starting thread positions. The thread will lock at each quarter of a turn.

Bushings (PKMONT-BU3)

