## Celtic Knot Rollerball & Fountain Pen Kits Assembly Instructions Required Accessories:

- 7mm Pen Mandrel
- 3 piece Bushing Set RZ-RP234#-BU
- 12.6mm Drill Bit
- 10.6mm Drill Bit
- Universal Barrel Trimmer
- · Sandpaper/Finish
- Glue (Thick CA or Epoxy)

## Preparing the Blank:

 Prepare a master blank of at least 3/4" square. Cut two sections to the length of each tube. (Add 1/16" for trimming)

Mark the center of each blank.

- Drill a centered hole lengthwise through each blank.
   Upper blank (shorter tube)—drill a 12.6mm hole through.
   Lower blank (longer tube)—drill a 10.6mm hole through.
- Glue each tube in the proper blank. Spread the glue over each tube. Insert the tube into the blank with a twisting motion to spread the glue evenly inside. Center each tube lengthwise inside the blank.
- · When glue dries, square the ends of each blank.



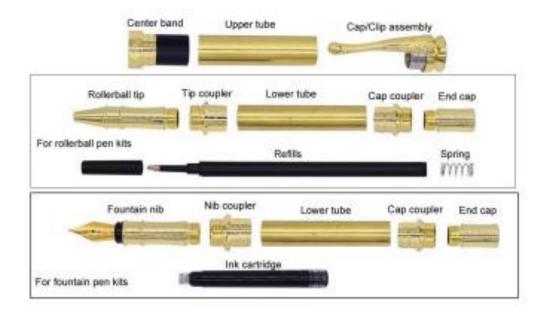
## **Turning the Blank**

- Mount the bushings and blanks according the diagram above.
- 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.



## Assembly

NOTE: Line up the components according to the above diagram.

- Press the cap/clip assembly to one end of the upper tube (shorter tube).
- Press the center band into the opposite end of the upper tube(shorter tube).
- Place the cap coupler into the end of the lower tube(longer). Thread the cap into the cap coupler.
- Press the nib coupler (tip coupler) into the opposite end of the lower tube(longer).
- Rollerball ---- Insert the Spring with the Refill into the lower tube(longer). Thread the Rollerball nib into the Nib coupler.
- Fountain ---- Attach the Ink cartridge to the back of the Fountain nib, then thread the Fountain nib into the Nib coupler.

