Designer Twist, Ball Point Pen Kit
NT Series

KEY FEATURES
• Heavy plating.
• No need to cut tenon.
• Smooth operating twist mechanism.
• Uses Cross® Style Ball Point Refill.
• Overall length: 5-9/16”.

REQUIRED ACCESSORIES
• 7mm, long mandrel.
• 7mm drill bit #PK-7MM.
• 3 pcs. designer pen bushings #PKMONT2-BU.
• 7mm barrel trimmer #PKTRIM7.
• 2 part epoxy glue or insta-cure (cyanoacrylate) #PKGLUE1 or #PKGLUE2.

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. Use a 7mm barrel trimmer shaft.
  Take wood down flush to the brass tube.

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.
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 13/16 of the chrome end is exposed (See Diagram C)
- Slide the center band, chamfered end in first over the exposed mechanism.
- Insert the refill through the mechanism and screw inside.
- Engage and push both barrels together.
- Pen operates by twisting the barrels to extend or retract the refill tip.

DIAGRAM D / BUSHINGS (PKMONT2-BU)

- Ø.357 ±.002
- Ø.420 ±.0
- Ø.407 ±.0
- Ø.248 Holes Through

© 2010 PSI Woodworking Philadelphia PA 19115 - v08/10