

GROOVY TWIST PEN KIT

Instructions

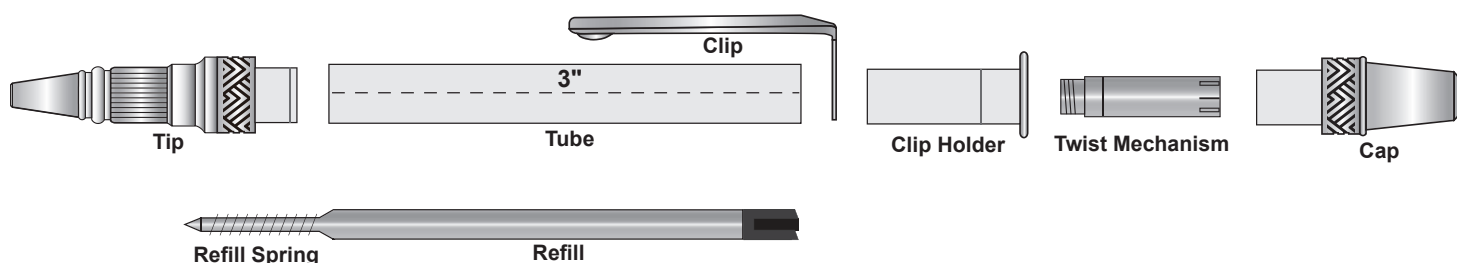
Kit Features

- Smooth twist mechanism
- Parker™ style refills (RE-PARK)
- Overall length: 5-1/2"

Required Accessories & Materials

- 7mm mandrel
- 2-pc. Race Car bushing set (PKRACEBU)
- Drill bit – 3/8" (DB3/8)
- Universal trimming kit (BTRIMKIT8)
- Glue (We recommend the thick "gel" CA glue—GTHICK2)
- Sanding and finishing supplies

Diagram A - Parts and Assembly



BLANK PREPARATION

The Groovy pen has a single tube measuring 2-31/32". **Cut** your blank approximately 1/16" longer than the tube to allow for squaring with the barrel trimmer. Use a medium drill speed to **drill** the blank. Raise the bit from the blank every 1/4" to 1/2" to allow the chips to clear from the flutes of the drill bit. Don't force the drill bit; use an even pressure and let the bit do the work. After drilling the blank, **sand** the exterior of the brass tube to roughen its surface and use CA **glue** to glue the tube inside the blank. Sand or barrel trim to **square** the ends of the blank.

TURNING THE PEN

Set up the mandrel as shown in Diagram C. The Groovy pen's upper and lower bushings both have an outside diameter of .475" (see Diagram B). **Turn** the pen blank to the bushing diameter at the ends. **Sand** with abrasives and **finish** with your choice of polish.

ASSEMBLY

(Line up finished parts according to Diagram A)

To avoid damage to components when assembling, use a vise with covered jaws or one of WoodTurningz' pen presses.

1. Press the Tip into either end of the barrel.
2. Drop Clip Holder through hole in Clip.
3. Insert and press the Clip Assembly into the opposite end of the barrel.
4. Drop the Refill with the Spring into the opening at the Clip end.
5. Screw the Twist Mechanism into the Clip Assembly Threads.
6. Mount and push the twist Cap over the mechanism stem.
7. The pen is now ready to operate by twisting the Cap in either direction to advance or retract the Refill.

Diagram B - Bushings

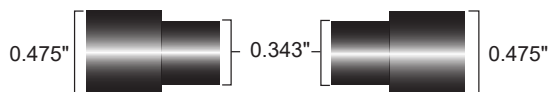


Diagram C - Turning the Pen

