

Cat Twist Pen Kit

Kit Features:

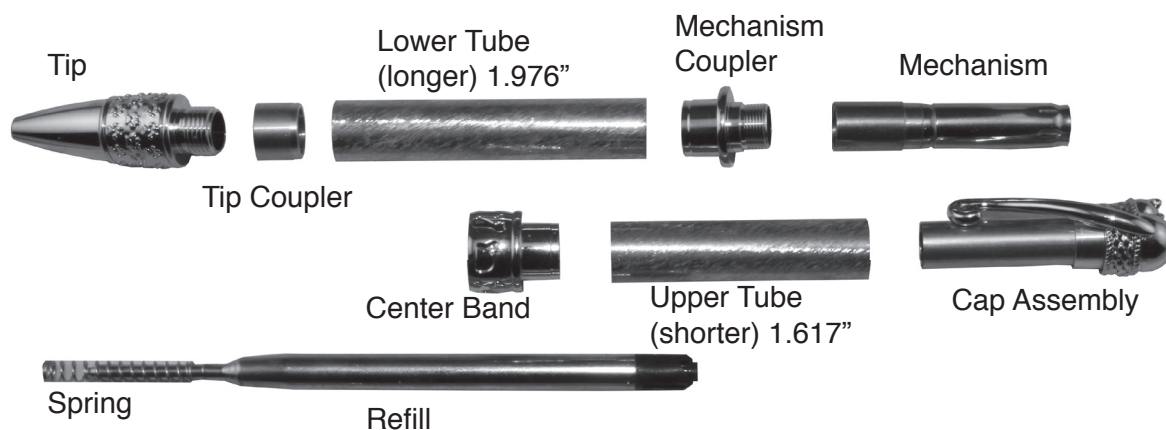
- Charming design to celebrate your favorite pet.
- Sculpted clip integrates form and function.
- Easy to Turn with Straight Tubes
- Minimal Parts--easy to assemble
- Available in multiple finishes
- Overall Length: 5-9/16"
- Uses Parker® Style refill: #PKPARK-R5

Required Accessories:

- 7mm Pen Mandrel
- Drill Bit: 10mm #PK10-10 for wood or #PK-10MSG for plastic
- Bushing Set(3pc): #PKSHAKEBU
- Barrel Trimming set: #PKTRIM10 or 10mm sleeve from #PKTRIMSET.
- Live Tailstock or Mandrel Saver
- 2 part Epoxy or Thick CA (Cyanoacrylate) Glue
- Pen Blank Minimum Size: 5/8" x 5/8" x 3-13/16" (Allows for single 1/8" wide cut



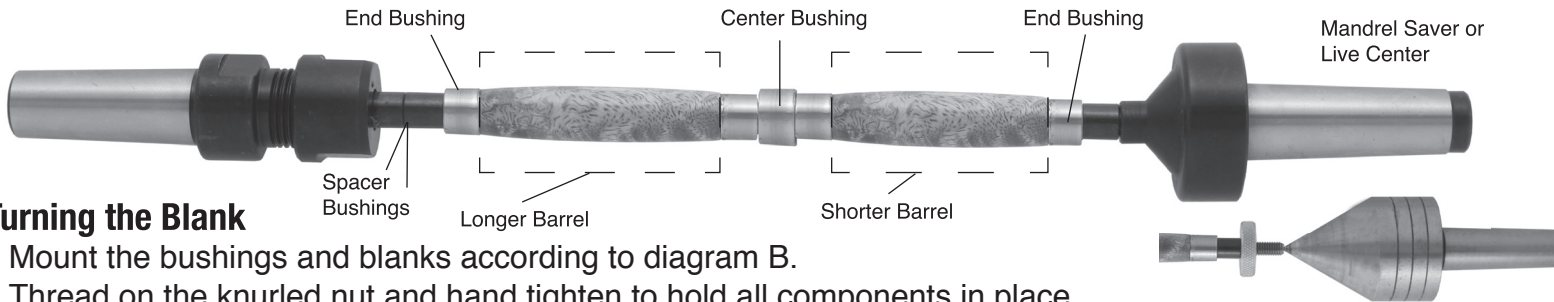
DIAGRAM A / PARTS LAYOUT



Preparing the Blank:

- Cut blank to the length of the tube, adding 1/16" for squaring off.
- Drill 10mm hole lengthwise through the blank.
- Spread glue over tube, insert the tube into the blank with a twisting motion to spread the glue evenly inside.
- Center the tube lengthwise inside the blank.
- When the glue is dry, square the ends of the blanks, making sure the trimmed ends are 90° to the tube. Use a 10mm barrel trimmer, or a pen blank squaring jig with a 10mm sleeve on a disc sander. Take the excess material down flush to the ends of the tubes. Do not trim past the end of the tube since this may interfere with the operation of the mechanism and assembly. Use a barrel trimmer to clean the inside of the tube.

DIAGRAM B / TURNING THE BLANKS



Turning the Blank

- Mount the bushings and blanks according to diagram B.
- 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 Tailstock.
- Hand tighten the quill adjustment on the tailstock to steady the mandrel. Do not over tighten, it could damage the mandrel shaft.
- When using Mandrel Saver, there is no need for extra spacer bushings or the knurled nut. Slide tailstock directly against bushings and tighten until blank and bushings are secure.
- 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 sandpaper grits.
- Finish the barrel using your choice of polish. Allow Sufficient time for the polish to cure—refer to polish instructions.

Assembly

- Press Tip Coupler into smaller end of Lower Barrel. Note slight recess on the Tip Coupler – this must go into the tube first.
- Press Mechanism Coupler into open end of Lower Barrel
- Thread Mechanism onto Mechanism Coupler.
- Drop Refill into opening in Tip Coupler.
- Place Spring – narrow side first – onto Refill Shaft. Spring should lock onto the shaft.
- Thread Tip over refill tip and into Tip Coupler.
- Press Centerband into larger side of Upper Barrel.
- Carefully press Cap Assembly into the open end of Upper Barrel. You may wish to put a cloth over the cap to prevent scratches.
- Push the two halves of the pen together until the Mechanism Coupler is against the Centerband.
- To extend and retract Refill, twist the two halves clockwise and counter-clockwise.
- To change Refill, unscrew the tip and put in replacement. Be sure to switch the Spring to the new refill.

Diagram C / Bushings #PKSHAKEBU

