

Xiamen Rizheng Industry Co.,Ltd

Slim Touch Stylus Pen Kits Assembly Instructions

REQUIRED ACCESSORIES

- 7mm Long Mandrel.
- 3 Piece Bushing Set. RZ-BP3#-BU
- 7mm Drill Bit. RZ-DB007
- 7mm Barrel Trimmer RZ-PM011
- 2 Part Epoxy Glue or Insta-Cure (cyanoacrylate).



PREPARING THE BLANKS

Step 1 - Cut Wood Blanks

From 1/2" to 5/8" square stock, cut blanks to the length of the tube plus 1/16". Grain should run lengthwise.

Step 2 - Drill The Wood Blanks

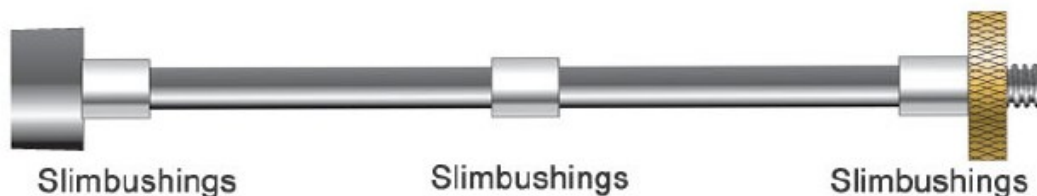
Drill a 7mm centered hole lengthwise through each blank. Excessive pressure will cause the drill bit to wander and/or split the blank. Slow the feed rate and back the bit out repeatedly for chip removal.

Step 3 - Glue The Tubes Into The Blanks

Use epoxy or a gap filling cyanoacrylate. Spread the glue on the tube. Insert into the blank with a twisting motion to spread the glue evenly inside. Center each tube lengthwise in the blank. Allow it to dry.

Step 4 - Square The Ends

With a 7mm barrel trimmer or other sanding device, square the ends of the blanks 90 degrees flush to the ends of the brass tubes



Step 5 - Turning the blanks

Place spacer bushings on the mandrel. Next, place one of the pen bushings onto the mandrel. Next, slide on either blank, then another pen bushing.

Follow with the second blank then the last pen bushing.

Thread on the lock nut hand tight. Bring the tail stock snug with the mandrel (do not over tighten, it could damage the mandrel). Excessive pressure may also crack the wood or acrylic blanks if it is too tight.

Turn the blanks down to a diameter slightly larger than the bushings (about 11/32" O.D.). As you approach the final size is careful since the wood is only about 1/32" thick.

Step 6 - Sanding the blanks.

As with any sanding, progress through a range of lower to higher grits of sand paper. Sand with

blank spinning. Progress from 150 through to 600 grit paper. Different woods and acrylics require different methods to achieve better results.

Step 7 - Finish

Try a finish of your choice but be careful if brushing on a polyurethane, etc. You can stick the tube, bushings, and mandrel together.

Shake before using. Apply with a rag to the spinning barrel. Apply at least two coats. A variety of finishes and polishes are available.

Step 8 - Touch Up

With tubes off mandrel, lay them end to end to decide which sets will look best when assembled. Remember, they will be 5/32" apart (due to center ring) so minor differences won't show. If necessary, a light sanding of the ends on a block will square the ends and improve the fit during assembly. Then repeat step 7.

Assembly

Upper tube size: Size: 6.8*6.29*51.7mm Lower tube Size: 6.8*6.29*51.7mm



Refill



Twist mechanism



Center band



Touch cap



Tip



Clip



Cap details



Unscrew top ring and remove black rubber cap
before pressing parts together

A. Press the tip into the Lower tube.

B. Press the twist mechanism into opposite end of the same tube, brass end first. This step is the most critical part of the assembly. Press the mechanism in slowly until you reach the indentation mark on the mechanism. Then install the pen refill and test the pen. It should extend

properly through the tip while still retracting fully.

C. Slide the band over the exposed mechanism.

D. Push the cap through the pen clip and press it on to the upper tube. Be careful when pressing the clip as the touch stylus tip is delicate. It is best to unscrew the touch style retaining ring from the cap assembly and remove the rubber cap prior to pressing the top assembly together. This will protect the rubber cap from damage. See the above photo detail.

E. Push the two halves together aligning grain as desired. Pen is operated by twisting the halves in opposite directions to extend or retract point. Test the extension with the refill inserted. Uses Cross type refills.