

Scraper/Ticket Scratcher Kit

Kit Features

- Easy to Turn with Straight Tubes
- Minimal Parts--easy to assemble
- Available in multiple finishes
- Overall Length: 4-17/32" (closed)
4-13/16" (open)

Required Accessories

- 7mm Pen Mandrel
- Drill Bit: #PK-8MMMSG for Wood, #PKPARK-8MM for Plastic
- Bushing Set(3pc): #PKSRBU
- Barrel Trimming: #PKTRIM8 or 8mm sleeve from #PKTRIMSET with squaring jig on disc sander
- Live Tailstock or Mandrel Saver
- 2 part Epoxy or Thick CA (Cyanoacrylate) Glue
- Pen Blank Minimum Size: 5/8" x 5/8" x 3-3/16"L

Preparing the Blank:

- Prior to cutting and gluing, always verify tube length is correct (see parts diagram on back page)
- Cut blank to the length of the tube, adding 1/16" for squaring off.
- Drill hole lengthwise through the blank.
- Spread glue over tube, insert the tube into the blank while twisting 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 an 8mm Barrel Trimmer or 8mm barrel trimming sleeve with a pen blank squaring jig 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 assembly and the operation of the mechanism. Use a barrel trimmer to clean the inside of the tube.



Kit shown in both open and closed positions

DIAGRAM B / TURNING THE BLANK



Turning the Blank:

- Mount the bushings and blanks according to diagram B.
- When using Mandrel Saver, there is no need for extra spacer bushings or the knurled nut. Slide and lock tailstock directly against bushings and tighten quill until blank and bushings are secure.
- To use Knurled Nut Setup (right), add spacer bushings until past the threads on the end of the Mandrel Shaft.
- 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 and hand tighten the quill adjustment with wheel to steady the mandrel. Do not over-tighten, it could damage mandrel shaft.
- 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 manufacturer's instructions.

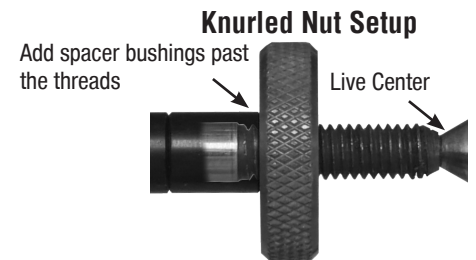


Diagram C / Bushing #PKSRBU

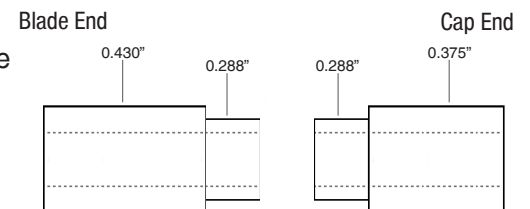
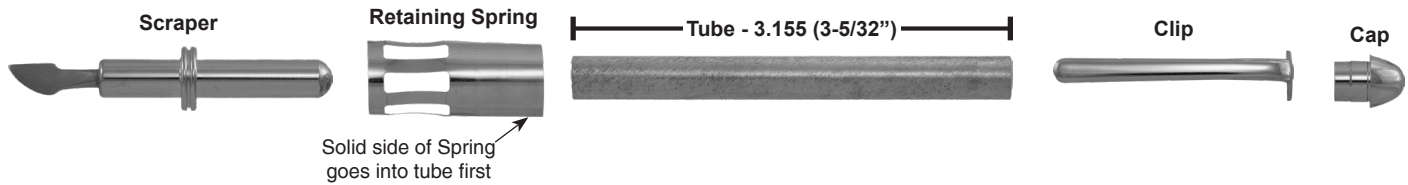


Diagram D / Parts Layout

**Assembly:**

- Place the Clip over the extension of the Cap.
- Press Cap with Clip into the smaller diameter side of the Barrel.
- Squeeze the retaining spring to a small round circle (DO NOT CREASE). It can help to wrap the Spring around a cylinder smaller than the tube, such as the trimmer shaft or the mandrel rod to keep it curled and steady.
- Insert Spring (solid side first) into the open end of the Barrel. Keep the spring curled until it is 2/3 to 3/4 of the way inside the tube. After releasing the curl, use the Scraper to finish pushing Spring in flush to the end.
- Slide the seam ripper assembly in and out with both ends to assure a secure fit.
- If spring does not hold in properly (i.e. the spring slides into the tube), take a Q-tip and dip into CA glue insert the spring and allow the CA to dry. The spring should now operate properly.
- When not in use, reverse the ripper assembly to safely store the blade(s). If the ripper assembly is held by the spring when the Scraper is out, but does not stay when the Scraper is being stored inside, then you did not insert the Spring solid side first.
- Uses: Push back cuticles, scrape labels from packages, scratch-off tickets (good luck!), mark or score soft materials.

