

ICE PICK KIT

Kit Features

- Sturdy sharp point for efficient use
- Blade Stores safely inside handle for storage when not in use
- Easy to Turn with Straight Tube
- Minimal Parts--easy to assemble
- Overall Length: 7-3/4" (opened)
4-5/8" (closed)

Required Accessories

- 7mm Pen Mandrel
- Drill Bit: #PK105MM for Wood, #PK-105MMSG for Plastic
- Bushing Set(2pc): #PKIPICKBU
- 10.5mm Barrel Trimming: sleeve from #PKTRIMSET with PKTRIM34 or Sanding Disc
- Live Tailstock or Mandrel Saver
- 2 part Epoxy
- Heavy duty thread locking compound (optional)
- Pen Blank Minimum Size: 7/8" x 7/8" x 3-3/16"L



Preparing the Blank:

- Cut blank to the length of the tube, adding 1/16" for squaring off.
- Drill 10.5mm hole lengthwise through the blank.
- Spread 2 part epoxy over tube, insert the tube into the blank with a twisting motion to spread 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 10.5mm sleeve with PKTRIM34 or 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. Use sandpaper or curved file to clean the inside of the tube.

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. *Keep in mind that handle will need to be gripped firmly in potentially wet conditions.*
- 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.

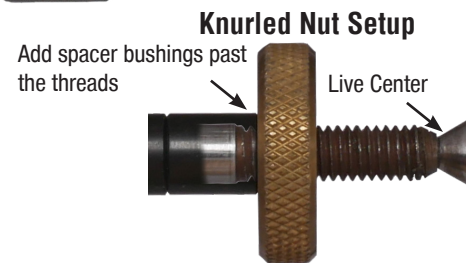


Diagram C / Bushing #PKIPICKBU

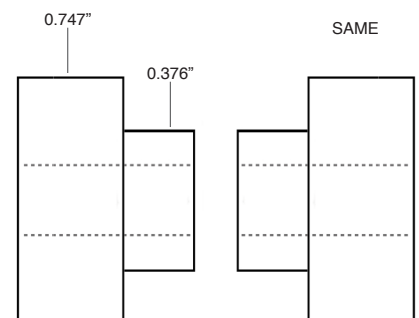
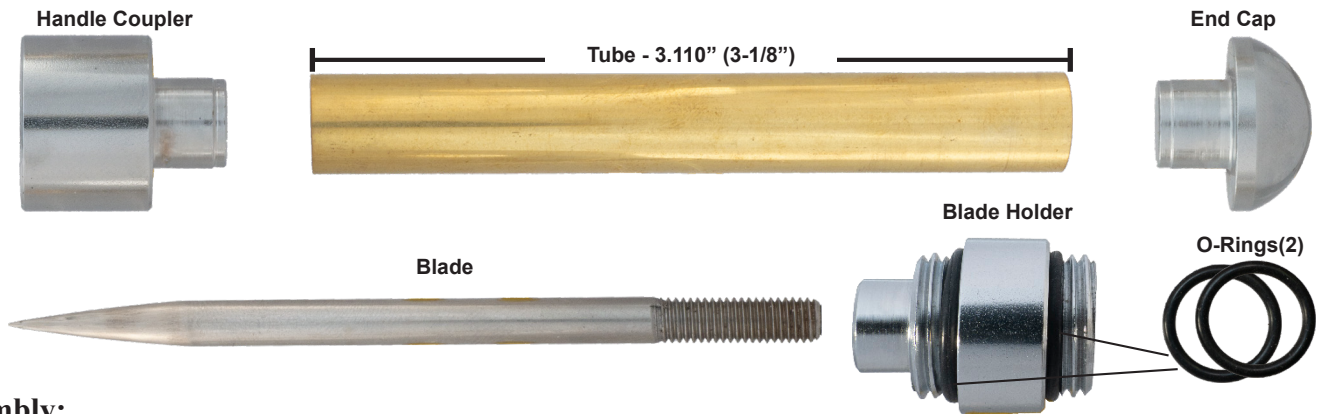
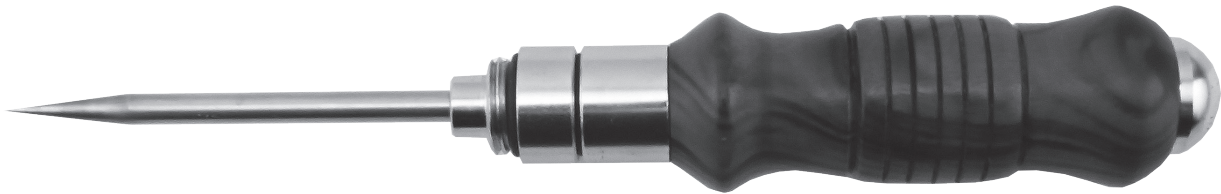


Diagram D / Parts Layout

**Assembly:**

- Press Handle Coupler into one end of the Barrel,
- Carefully press End Cap into other, open end of Barrel. Be sure to press straight to avoid distortions that could expand tube and crack the blank. If press has a center hole on one side, it will help to use that dimple to keep the rounded side of the End Cap centered.
- Slide O-Rings past the threads on the Blade Holder to rest against the central band.
- Thread the Blade into the Blade Holder. A thread locking compound may be used to keep the Blade from coming loose. Remember that the Ice Pick will be used with moderate force, so a heavy duty thread lock is preferred.
- To use the Ice Pick, thread the Blade Coupler into the Handle Coupler with the blade facing out. Tighten until firm. (E1)
- To store the Ice Pick, un-thread Blade Coupler and flip it around. Slide blade into the Handle Coupler. Tighten Blade Coupler until firm.

E1 - Open for use



E2 - Closed for storage

