

# Detachable Key Chain Kit – Instructions

## KIT FEATURES:

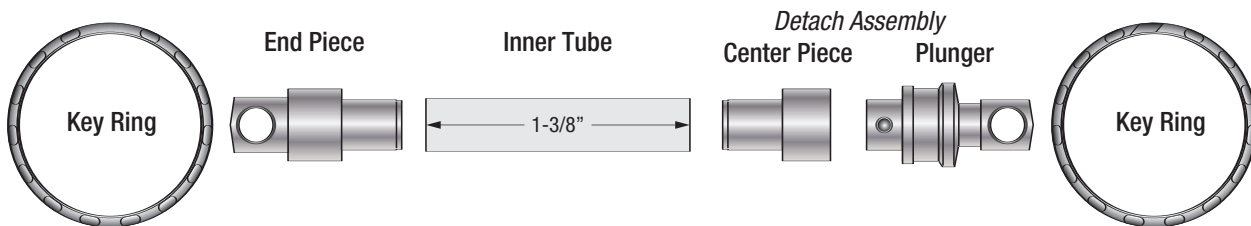
- Heavy 24kt Gold or Chrome plating with epoxy coating
- Overall length: 4-1/2”



## REQUIRED ACCESSORIES:

- 7mm, Pen Mandrel
- #PK-7MM—7mm drill bit
- #PKM-BUSH3—3-piece Bushing Set (*use 2 bushings only, save center [3rd] bushing for other PSI projects*)
- #PKTRIM7—7mm barrel trimmer
- 2 part epoxy glue or insta-cure (cyanoacrylate) glue

### DIAGRAM A • Key Ring PARTS



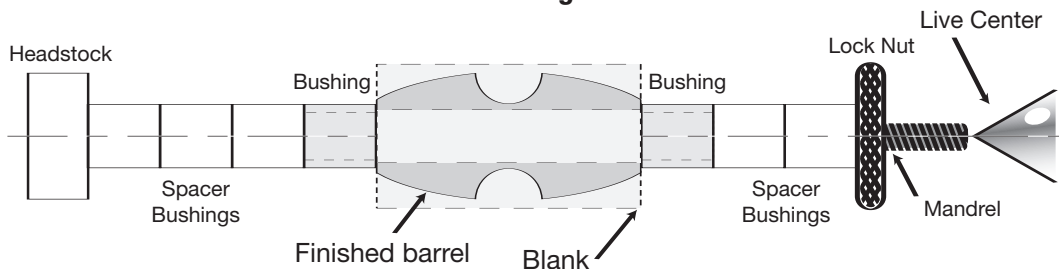
## PREPARING THE BLANK

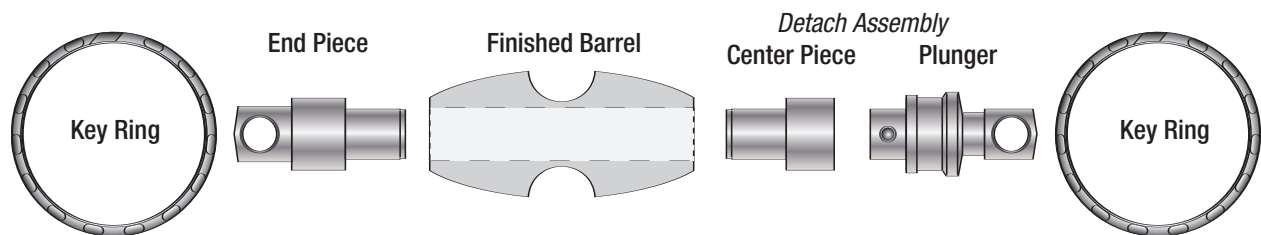
- Cut a 5/8” to 1” square blank or larger, depending on your design, to the length of the tube (add 1/16” for squaring off).
- Drill a 7mm center hole lengthwise through the blank.
- Spread glue over the tube, then insert it into the blank with a twisting motion to spread the glue evenly inside.
- Center the tube lengthwise inside the blank.
- When the glue dries, use a barrel trimmer, universal squaring jig, or a belt/disc sander to take the wood down, flush to the brass tube.

## TURNING THE BLANK

- Place 7mm spacer bushings on the mandrel. Place bushing on the mandrel and then follow with the prepared wood or acrylic blank. Follow with the second bushing. Fill up the space to the thread with extra spacer bushings, or with wood spacers. Place lock nut on, hand tighten. Bring the tail stock snug with the mandrel (do not over tighten, it could damage the mandrel) and lock the tail stock in place.
- Turn the blank to the design of your choice. It is not necessary to turn the blank down flush to meet the bushing diameter. Be creative and design your own unique key ring.

### DIAGRAM B • Turning the Blanks



**DIAGRAM C • Key Ring ASSEMBLY****ASSEMBLY**

- Line-up the parts according to **DIAGRAM C** above.
- Press the end piece into the end of the barrel flush to the shoulder (end).
- Press the center piece, recessed end in first, into the opposite end of the barrel flush to the wood. Attach key ring to plunger. Attach the plunger into the center piece by pressing in on the top. Detach by pressing in the top again to separate the plunger/key ring from the center piece.
- Attach the 2nd key ring into the hole in the end piece.

**BUSHINGS**

- Use only the end bushings to prepare the blank. See **DIAGRAM D**. The center (3rd) bushing is not needed for this project. Save for use with other appropriate PSI projects.

**DIAGRAM D • BUSHINGS (#PKM-BUSH3)**