



# Pen Kit

## general steps

### Cut the pieces

On the bandsaw, cut the pen blanks to based on the metal tubes of your kit - cut them a bit longer - you will trim later

1

### Drill hole for tube

Set up the jacobs chuck with 7mm drill bit on the tail stock, Put blank on the chuck for pens, drill through (speed 500).

2

### Glue metal tubes

Spray hole with water and scuff the metal tube. Cover tube with glue, insert completely inside blank - wait 24 hours.

3

### Trim the blank

Place the pen mill in the jacobs chuck. Holding with the clamp, push the blank with the tail stock until the tube is visible (speed 500)

4

### Turn Pen and Finish

Set up the pen mandrel, insert the blanks and the bushings for your kit. Turn and sand to 400. Apply and burnish the finish - five coats!

5

### Assemble pen

Use the pen assembler to insert the completed pen pieces to the metal pen pieces from the kit. Test before gifting!

6



# Pen Kit

## step-by-step guide

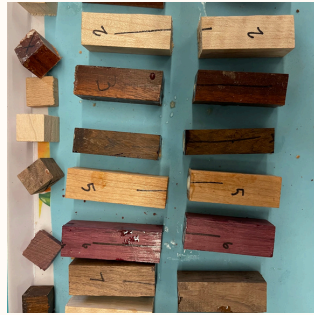
1a



### Prep the blanks for cutting

Mark the grain on the blank. On the band saw, set the sled to cut the blanks as per your kit - use the metal tube(s) as a guide.

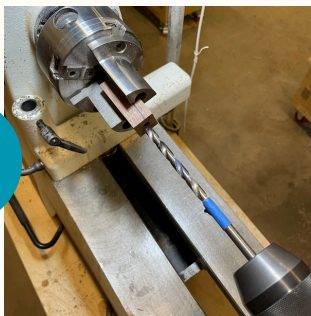
1b



### Cut the blanks

On the band saw, cut the pieces, make sure the pieces still have the any markings regarding the grain direction.

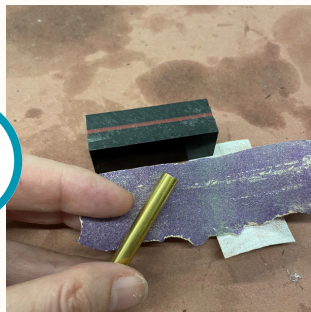
2



### Drill the blanks

Place the 7mm drill bit on the jacobs chuck and place on tail stock. Place the blank in the pen jaw, drill completely through. (speed 500)

3



### Glue the metal tubes

Scuff the metal tube with 120 grit paper. Wet the inside of the hole, cover the tube fully with glue and insert. Make sure it does not stick out!

4



### Trim the blank

Put the pen mill on the jacobs chuck on the head stock, hold blank with clamp. Push the tailstock to trim. Trim until metal is flush. (speed 500)



# Pen Kit

## step-by-step guide

5a



### Turn your pen

Place the blanks and bushings on the pen mandrel, use the SRG and spindle gouge to shape. (speed 800+)

5b



### Sand to 400 grit

Sand from 80 (or 120) to 400 grit, wet the blanks, sand again using the 400 grit.

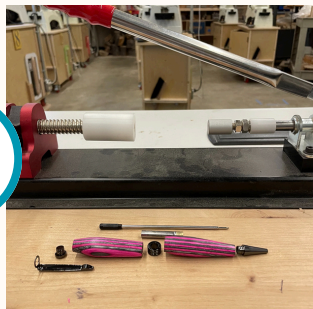
5c



### Apply five coats of finish

Apply the finish at the slowest speed to cover, then use a dry paper towel and speed up to burnish the finish. Repeat four more times.

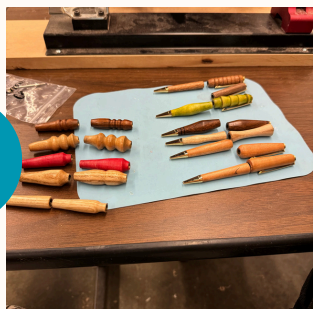
6



### Assemble the pen

Assemble the pen kit pieces as per your kit's instructions. After inserting the pen twist mechanism, insert the ink refill and test, repeat as needed.

7



### Repeat!

Pens make great gifts