

## BEAD DUPLICATOR TEMPLATE

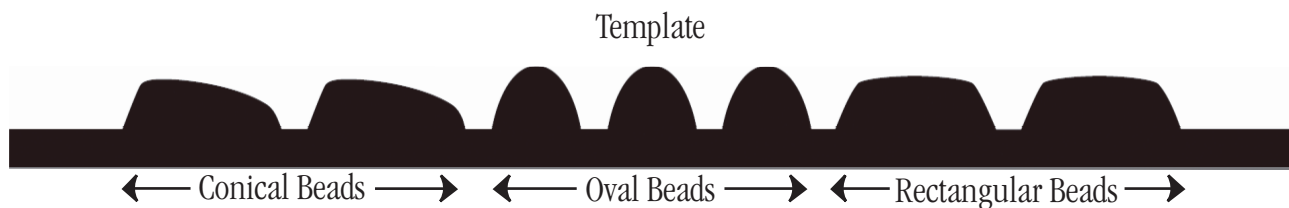
### REQUIREMENTS:

- Mini lathe compatible with any PSI manual duplicator style #CML-DUP
- Large Live Tailstock Center (#LCENTLT2 or similar)
- Wood blank -- 3/4" x 3" or longer
- 1/8" drill bit
- PSI #DRILLCENT3 Centering Vise (optional)
- Rounded duplicator cutter #CML-DUPRX (for acrylics)
- 4 jaw lathe chuck (optional)

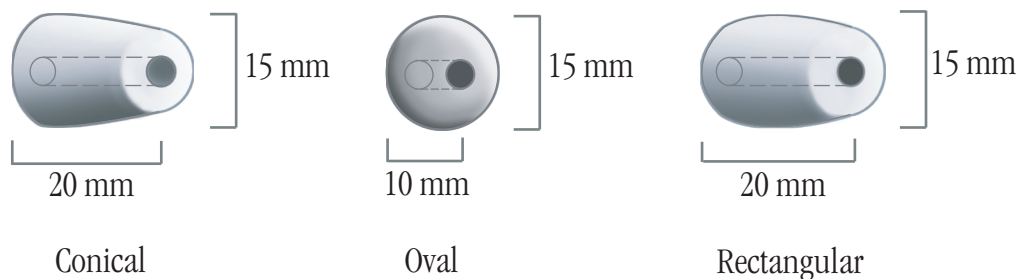
### BEAD STYLES:

This template will allow you to make 2 conical beads -- 15mm x 20mm, 3 oval beads -- 15mm x 11mm, and 2 rectangular beads -- 15mm x 20mm

### ILLUSTRATION #1



### Bead Styles Produced



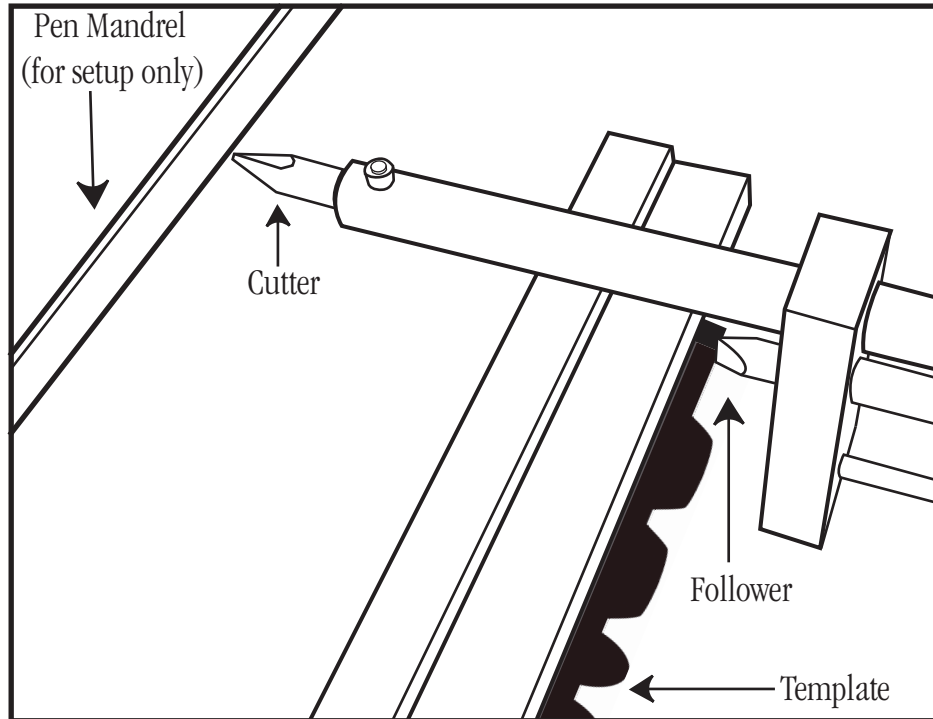
### SET-UP:

Mount your duplicator according to the instructions in your duplicator manual. For set-up purposes, mount a 7mm pen mandrel on your lathe.

Insert the bead template into the template holder. Before putting wood onto your lathe, align your cutter and follower as indicated in illustration #2. It is **IMPORTANT** to note that the alignment requires that your cutter aligns with the pen mandrel as shown in illustration #2.

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### ILLUSTRATION #2 - Setup



### CUTTING BEADS:

1. Drill through the center of the end of the blank with a 1/8" bit to 2-3/4" or more. Use a pen blank centering jig (#DRILLCENT3) for best results.
2. Remove the pen mandrel from the lathe.
3. Grip and mount your blank in a lathe chuck with the drilled hole towards the tailstock.  
(use a spur center if a chuck is not available)
4. On the Tailstock end, mount the large live center. Press into 1/8" hole.
5. Slide the template so the bead style you're cutting is aligned in front of the blank.
6. Follow the instructions in your duplicator manual to cut the bead profiles. Use progressive cuts until finished.  
(for acrylics, use cutter #CML-DUPRX)
7. Finish the bead profiles with sandpaper and a finish of your choice.
8. Carefully part off the beads. Sand and finish the hole ends of the beads off of the lathe.