BD-TMP1

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

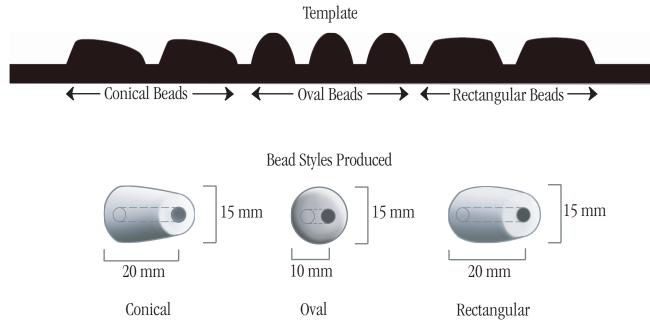


ILLUSTRATION #1

SET-UP:

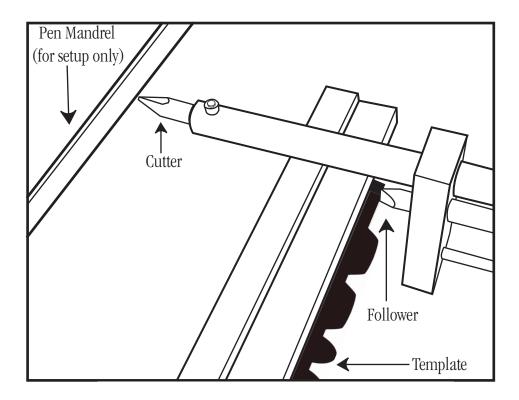
Mount your duplicator according to the instructions in your duplicator manual. For set-up purposes, mount a 7mm pen mandrel on your lathe.

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.

BD-TMP1

BEAD DUPLICATOR TEMPLATE

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.