

“Get Stoned and Cuffed: Bracelets, Creativity and the Hydraulic Press”

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Florida Society of Goldsmiths South

Student Materials and Tool List

Students are encouraged to create and finish 1 folded synclastic cuff in 24 gauge metal with a folded edge in class with one or more stones.

Students will have the opportunity to create multiple bracelet shells that can be finished at a later date, or to various stages in the workshop. Students can form as many bracelets during the workshop as they like, or as much dictated by the amount of metal sheet available to cut bracelet blanks. Bracelets can be formed in copper alloys, sterling silver or silver-clad.

***** The instructor will have additional metals, small cabochon and faceted cz stones, roller mill textures, sterling silver heavy wall tubing, premade bezels cups and a whole lot more both for use and sale during the workshop so that we can have a great workshop together.**

General Blank sizes for use in synclastic and anticlastic freeform bracelet kits:

1 1/2" to 3" width x 6" to 8 1/2" length- synclastic

1/2" to 1 1/4" width x 6 to 8 1/2" length- anticlastic

**** The measurement ranges list above are referring to the sheet metal we will use within the bracelet kits. We will be cutting strips of sheet to the above measurements to make our bracelets, or “blanks”.

**** The bracelet kits we will be using and will be provided during the workshop are made by Bonny Doon and used exclusively in hydraulic presses.

Materials:

1. 20g, 22g, 24g Sheet - Ideal: 6" x 12" pieces of each, or student preference, and please refer to general blank sizes. A small amount of sheet will be needed for the backsheet in creating a bezel cup for any stones.

* *Sterling silver* - Ideal! Buy by the blank size due to cost

* *Double Clad Silver Filled* - the look of silver without the cost

* *Red Brass (aka: Nu Gold, Jeweler's Brass, Dix's Gold)* - makes lovely gold bracelets, and nice to work with!

* *Commercial Bronze*

* *Nickel* - very hard like yellow brass, takes a great polish, but not recommended for anyone that cannot or dislikes swinging a heavy hammer in any gauge

* *Copper* (soft, ideal for test or samples, not for finished work)

* *Yellow Brass*- hard, hard and problematic with soldering with silver

2. Bezel strip, premade bezels cups, and/or heavy wall tubing

* Bezel strips should be taller than the stone, if it needs to be countersunk in bracelet. Students will need enough bezel strips for your chosen stone/stones.

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- * Premade bezel cups are nice for adding multiple stones without spending additional time. I use round 8mm and smaller.
- * Heavy wall tubing for tube settings. I generally tube set round faceted stone sizes 5mm and smaller.

3. Stones

- * Any stone can go on a cuff, but how it can attach may be limited. Students can use preferred stones.
- * Calibrated round or oval cabochons are needed for premade bezel cups
- * Calibrated faceted rounds for tube setting makes life easier

4. 16 or 14g yellow brass round wire- several feet for embossing plates

5. Clear packaging tape- for creating embossing plates

Where to purchase metals:

> **Hauser and Miller- www.hauserandmiller.com**- Offers sterling silver sheet cut to specific widths and lengths. Best option for those that are just wanting to buy enough silver for one sterling bracelet.

> **Rio Grande- www.riogrande.com**- Has sterling silver available in 3" and 6" widths. 2 bracelet blanks can be cut from a 3" wide x 6" or 8.5". Also offer double-clad silver filled sheets in 3" widths.

> **Metalliferous- www.metalliferous.com**- Largest selection of base metals

Tools: * Optional, but recommended**

*** Task lighting- if you bring a task light please bring heavy duty extension cord and/or powerstrip *** cushion for chair- if sitting for long hours on a hard metal folding chair is on your radar- always a great idea for comfort

jeweler's saw

sawblades

lubricant

*** flex-shaft- There will be one provided in the classroom. If you bring your flex-shaft please bring a way to hang and clamp it to a surface (i.e. hole drilled in wood block to fit the hanging pole or metal flex-shaft pole holder drilled to a wood block and a big enough c-clamp to secure to surface) AND, you will need to supply a heavy duty extension cord and/or powerstrip for power)

drill bits

flex-shaft accessories: sanding, polishing

files- standard and needle pliers

sandpaper/sanding sticks

scotch brite/ steel wool/ abrasive pad

metal scissors/ joyce chens

divider/ruler

preferred patinas for chosen metals

hydrogen peroxide and pickle (Sparex) or vinegar (For super pickle, and needed if chosen metal is not sterling or silver clad)

delrin forming hammer or other non steel hammer for shaping cuffs- peen edge

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cross peen, goldsmithing hammer, or delrin peen edge hammer for folding over edge of cuff bracelet texture tools, stamps, textured brass plates, fabric, dapping punches, textured papers, etc. for roller printing metal blanks

*** torch for annealing/ soldering- If you decided to bring your torch, please be aware you also need to bring a fireproof table surface. Cement board can be purchased and cut to your size at local hardware stores- Lowe's /Home Depot, etc. You will also need to bring your soldering accessories

flux

soldering tools

silver solders

bezel rocker/pusher/burnisher- for setting stones

If available:

vise - bolted on wood board and c-clamps to secure to surface

oval or cuff bracelet mandrel