

Betty Helen Longhi

Creative Metal Forming

Student Equipment & Material List

1. Basic hand tools: pencil, ruler, scissors, scribe, pliers, saw frame, saw blades, Pilot or Sharpie permanent marker - fine line, masking tape.
2. Files: Half-round and crossing in 6" or 8" length of cut (if you have them).
3. Aviation snips or equivalent shears (if you have them)
4. Wood rasps and coarse files one half round; and one round, available from hardware stores. These are important tools as they are used to shape the wood stakes we will hammer on.
5. Assorted wet or dry emery paper or Scotch Brite pads.
6. Hammers, mallets, sinusoidal stakes if you have them (a selection of these will be available, but not enough for everyone to use at the same time). Note: If you have purchased hammers at a previous workshop please bring them to work with.
7. EAR PLUGS!
8. Pair of tightly fitting soft leather gloves (like driving gloves) to protect hands while hammering.
9. Several sheets of stiff drawing paper for making patterns and roll printing.
10. A selection of fabric and other materials that could be used for roll printing. Cheese cloth, netting, paper and screening work well/
11. Vises: this is the most important tool we will use. Some of these are available but it is nice to have your own vise. If anyone who is driving would like to bring their own that would be great. Just be sure it is a large vise (4" jaws or more) and bring some large C clamps to hook it to the table. It really helps to also have the vise bolted to a larger piece of wood. This way the C clamps can be put more out of the way. If you want to buy a vise check out the information I am sending about Tools to Order or Buy At Local Stores.
12. A small step stool or wood or plastic box to stand on. It is important to be able to stand so that your elbow is well above the working surface of the wood block or stake that is held in the vise. So, in many cases we have to stand on a platform or box and there are not many of these available. The distance you usually have to add is about 4" to 5" so try to bring something that is in that size range. The best thing we have found is an aerobic stepping platform and this is described in the List Of Tools To Order Or Buy At Local Stores.
13. Workshop supplies: A tool and materials fee will cover the following: pine wood blocks for making synclastic stakes, Nugold sheet metal: one 6" x 12" piece of 22 and one 6" x 6" piece of 24 gauge nugold will be supplied for a fee. Nugold is the metal I recommend for starting out with shell forming but if you want to experiment with copper or other nonferrous metals please bring it with you. Also included in the fee are charges for shipping tools, demo metal and other misc. expenses.
14. Do not feel that you will have to buy hammers in advance, as I will have a selection of hammers and stakes from Allcraft that you can buy. This way you will have the opportunity to see how the hammers are used and decide what ones are right for you.
15. Questions? 336-798-5725 email: bhl@fluidformsinmetal.com