

**This Glossary accompanies The Learning Hub eModule:  
Jewelry making Safe use of Tools with Carl Noonan**  
<https://learninghub.artsunit.nsw.edu.au>

Bench peg	A simple piece of wood with a slot cut out of it designed to give you greater control of the piece while sawing, filing and polishing. The Bench peg is attached to the edge of the table with a strong clamp.
Bench file	A large steel file that is designed to remove unwanted metal to achieve the design shape you're aiming for. Bench files come in several shapes and grades.
Needle file	Needle files are small needle-like jewellery files that come in a fine grade set of six. Needle files allow the jeweller to get into hard to reach places and are great for doing fine work.
Abrasives	A tool or material used to cut, grind or polish hard surfaces.
Emery paper	A sheet of paper covered in silicon carbide grit used to cut and polish hard objects. Emery paper comes in many grades depending on the size of the silicon carbide pieces.
Emery sticks	Emery sticks are simple pieces of wood that have sandpaper taped over them. They make the polishing process simpler and less labour intensive. They are usually round, rectangular or triangular.
Polishing lathe	A motor-driven machine with a rotating shaft that can be fitted with polishing mops and brushes.
Flexible shaft	A motor-driven flexible shaft used to grind or polish metal, also known as a flexi shaft. It consists of a rotating coil that is flexible but has some torsional stiffness. Various brushes, mops or grinders are attached to its head.
Tripoli	An abrasive compound that is used to remove fine scratches on a metal surface.
Rouge	An abrasive compound that is used to create a high-polished finish on a metal surface.
Annealing silver	Annealing silver refers to the process of heat-treating silver to 649°C. During this process, cold-worked silver is recrystallised to soften it so that it can be manipulated.
Half-round pliers	Half-round pliers are long nose pliers with one rectangular nose and one round nose used to shape rings.
Silver solder	A mixture of silver and zinc. Silver solder comes in many grades: Hard, medium, easy and extra easy. Hard solder melts at the hottest temperature, whereas easy solder melts at a low temperature. Jewellers use different grades of solder in order to solder several joins without opening up a previous join.
Flux	A paste used to prevent oxidation during the soldering process.
Ring mandrel	A long conical shaft of metal used to forge or shape rings
Raw-hide Mallet	A mallet with a pig's skin head used to manipulate metal without damaging its surface.