

Pocosin Cold Connections

Student supply list

This is a workshop that is best utilized by someone with some soldering, sawing, and general metalworking skills.

We will cover many examples - tubing rivets, trap settings, earring post rivets, square wire “bezel”, use of a separating disc, easy tap and die, washers for riveting - and more!

Feel free to just view the workshop and determine what might be helpful to your practice before spending money on the extras I have listed.

Students need access to:

- Flex shaft tool or Dremel that can use small drill bits
- Masking tape
- Center punch
- Small rivet hammer
- Small bench block
- A few small round dapping punches (3/4/5 mm - an assortment)
- Curved burnisher
- Bench pin
- Small bench vise
- Soldering equipment – torch, flux, soldering board, pickle, and various solders - a bit of hard, and some medium and easy
- 3M scrubbing pads
- Jewelers saw with blades (I like 2/0 Laser Gold for most of my work but 5/0 is best for tubing)
- Assorted hand files
- BurLife or bees wax lubricant, or an oil
- Optivisor or something for magnification
- Safety glasses

- Sterling silver earring posts - 1 package of 20
<https://www.riogrande.com/product/sterling-silver-ear-post-with-pad/630026>
- #64 drill bit
<https://www.riogrande.com/product/High-Speed-Steel-Twist-Drill-64-091mm/349423>
- About a foot of 18-Ga square copper or sterling wire
- Some 22 gauge copper-approx 3 x 3(or if you want to use silver)
- Sterling silver 24-Ga 5mm discs-package of 20
<https://www.riogrande.com/product/Sterling-Silver-5mm-Disc-24-Ga-Soft/689345>
- Fine silver tubing-I have listed 2 thicknesses of tubing - buy one OR the other(if you opt to work in copper-Get some tubing around 5 -6 mm OD)
<https://www.riogrande.com/product/999-Fine-Silver-356mm-Seamless-Heavy-Wall-Tubing-Soft-12-Length/100832>
<https://www.riogrande.com/product/999-Fine-Silver-325mm-Seamless-Tubing-Soft-12-Length/100931>
- Separating discs
<https://www.riogrande.com/product/Elite-Aluminum-Oxide-78-Separating-Disc/337217>
- Mandrel for separating disc
<https://www.riogrande.com/product/nickel-plated-1-16-screw-mandrel-304-3mm-shank/333111>

Also very useful:

- Tubing jig
- Small disc cutter
- Filing jig
- Small cross peen hammer

One of my favorite things is using a tap and die set.

I find that having ALL the tap and die parts is **very confusing** so I have narrowed my usage to the 80 size. I also have listed a fabulous set of all 80 nuts and screws that I will also show in my demo.

Tap and Die-OPTIONAL

- #52 drill/1.61mm

<https://www.micromark.com/Clearance-Drills?tapsanddies=32>

- #55 drill/1.30mm

<https://www.micromark.com/Clearance-Drills?quantity=1&tapsanddies=31>

- Kit of 80 screws and nuts

<https://www.microfasteners.com/astjewel-jewelry-cold-connection-kit-1.html>

- 80 Tap

<https://www.microfasteners.com/tap00-0-80-plug-taps-high-speed-steel.html>

- Tap handle

<https://www.micromark.com/search?keywords=tap handle>