

WE BE BEZELING THE ENCORE - TOOL LIST

People are welcome to see and try out my tools if they don't have something or prefer to see something in action before buying them.

-Pliers.

These are my main tools for forming all the bezels, so please bring all you have along.

Flat 5mm wide and 3mm wide are what I use most. Half round. Chain nose.

Round/Chain Nose, these are some of my favorite pliers, they have the round spike on one side and a tapered flat shape on the other side. Otto Frei part #146.113 \$27.95.

-Solder Snips (Otto Frei part #153.805 \$7.95 or #153.804 \$18.95 I use these for snipping solder, but also to trim the tops of bezels around rough, raw, or uneven surfaces of gems or pearls. I also use these to trim the bases off the settings after soldering.

-Saw Frame & Blades. I like 3/0 blades in general.

-Files.

Flat 6" with a handle for cleaning up the bases after trimming

Needle files. Half round, round, triangle, square are those that I use most. I like a 4 cut on these, but other cuts will work. We don't want them too aggressive though.

-Sanding Sticks.

220, 400, 600. Any other finishing abrasives for the flex shaft are handy too. I like the 3M radial wheels in 200 and 400. If you want to make rings, you'll want the appropriate finishing items for the inside.

I tend to do a somewhat more matte/brushed finish to my work which I will discuss. If you want a higher polished finish, you'll need to bring some wheels and compound unless the facility already has that for you.

I use a brass brush like Otto Frei #116.311 \$20.35. I like the plastic handle rather than the wood because it doesn't warp over time like the wood can and it lasts much longer. I use this with dish soap for my final finish unless my pieces are going into the magnetic tumbler.

-Hammers.

Goldsmithing hammer.

Optional- Chasing hammer if needed for use with setting tools, nylon dead blow hammer if you like those for forming ring shanks.

-Setting Tools.

Bezel roller, that mushroom slice looking one. Steel setting punches, whatever you like to use.

Burnishers. Scribes are useful as well.

-Mandrels.

Round Super Mini if you want to do real small settings, I'll bring mine with. Otto Frei #143.008 1.5mm-5.0mm \$18.95

Round Bezel Mandrel Otto Frei #143.069 2.0-12mm \$22.50 I use this all the time.

Ring Mandrel with no grooves or markings. I don't remember where I got this, but it is handy to have.

The only other shape I use once in a while is the square bezel mandrel and I'll bring mine with for people to use, but if you already have one you might bring it along as well.

-Steel Block.

3" or 6" I like to lay stones on these to measure them for heights. Also handy if you need to planish the back sheet flat.

-Dividers. Calipers.

Good dividers are important for finding heights of bezels and interior seats for faceted stones. I use these to mark the height of bezel strips I cut from the sheet metal.

-Tweezers.

I like these 00 stainless steel tweezers from Otto Frei #157.075B \$2.75 I use these a lot for marking bezel lengths and for solder picks, placing solder, pushing inner seats out of settings, and all sorts of things. They're cheap so I grab new ones if the ends get crusty, but they hold up for a long time.

Serrated gem tweezers like Otto Frei #157.929 \$10.20 or #157.934 \$7.95 are handy for small gems that won't go flinging out of your tweezers as easily. Not necessarily needed, but if you have some bring them along.

Cross Locking Tweezers and Third Hand. These are needed if you want to solder ring shanks onto settings for stacking rings, otherwise optional, but can be handy if you need to hold down a setting and move something around during soldering.

-Soldering.

I like the solderite boards Otto Frei #154.200 \$11.35 6x6" I find they reflect the heat nicely under the settings. I scribe a grid into the corners for lining things up and keeping things straight while soldering pieces together or lining up ring shanks onto settings and keeping everything square. They last for quite a while and when they get crusty and burnt up you can flip it over and use the other side.

I like to use fine paint brushes for flux brushes, a number 2 and 00.

I personally use the European blow torch for soldering. I'll probably bring mine along and some extra mouth pieces if people are unfamiliar and want to try it out they are welcome to.

-Miter Jig.

If you have one do bring it along. They aren't always cheap, but I use mine for tube setting stones. Looks like there are some less expensive ones, but this is what I have and am familiar with. Otto Frei #126.499 ASIC French made \$229.00

Now I'm curious though #126.485 for \$49.00 might work just fine for this trick.

-Burs.

I mainly use stone setting burs for adjusting inner seats for faceted stones (it's not that often if we are doing them right, but good to have just in case) and for tube setting stones.

If you have some bring them, but I will also have some extras.

1.5mm, 2.0mm, 2.1mm, 2.5mm, 3.0mm are the most common sizes I use.

-Sanding discs.

I also like the Moore's sanding discs for clean up. The medium grit is what I use most, but the fine grit is also nice Otto Frei #111.925 & #111.924 \$3.80 They snap onto these mandrels for the flex shaft #110.741 \$5.95 sold in a 3 pack, which is nice because I keep one with the grit up and one with the grit down. I'll bring some extras along.