

Gesswein

LIST OF SUPPLIES

How to order

These are the tools I recommend working with in the online metalsmithing course. You can place your order at www.gesswein.com. They are based in the United States but will ship worldwide. **With the code EST21 you will receive a 5% discount** on almost all of their tools. You can use this code over and over again.

Not included

Precious metals and gemstones are not included in this set. I would advise you to start out with brass or alpaca to practice with. Some sheet metal from 1,5 mm thick and wire in thicknesses 1 and 2 mm will be a great starting point.

Advised

Next to these basic tools a flex shaft or micro motor is advised. I have used both and am a total fan of the marathon micro motor system. You can find a tutorial on this system on my youtube channel. Haven't touched my flex shaft since I received the micro motor. It truly is a great system to use. This is the article number: 5102956.

Basic Tool kit 1 (lessons 1 -6)

- Vernier Calipers 825-1725
- Metal dividers 812-1705
- Scribe Tool 816-0890
- Metal ruler 811-1710
- A square hook 8111715
- A gold smithing hammer 821-7020
- Dead blow mallet 821-7060
- Pointed nose pliers, round nosed pliers, flat jaw pliers, head cutting pliers 180-0345
- Gold smith saw 187-1026
- 100 Saw blades 2/0 187-0502
- Bench pin 814-1005
- Anvil 812-1655
- Set of 6 needle files 604-3002
- Flat hand file 631-1020
- Hand file handle 170-6014
- 8 Sheets of sanding paper in 4 different grits 2x 109-8190 / 2x 109-8195 / 2x 109-8200 / 2x 109-8203
- 8 Sanding paper sticks in 4 different grits 107-9850 / 107-9750 / 107-9650 / 107-9550
- 3 Ball burs in different sizes 122-2010 / 122-3066 / 122-2160
- 1 Heart bur 121-9040

Before soldering a soldering setup is necessary. Unfortunately Gesswein does not provide the soldering setup I use at the moment, but I am hoping this will change shortly. You can use this Durston handheld torch for the moment to get started: 8300014. You can refill it with this butane fluid: 8300012. This will get you started with soldering but when you are going to melt and cast silver or gold you will need more serious equipment.

Basic Tool kit 2 (lessons 7 - 12)

- Hard Solder (silver) 830-2154
- Medium Solder (silver) 830-2153
- Soft Solder (silver) 830-2152
- 100 ml. Boraxine / flux 830-4505
- Brush 115-0100
- Soldering plate 830-2224
- Second soldering plate for pins 810-2400
- Vitrex (pickle solution) 821-2675
- Acid tweezers 195-0100
- Metal cutting pliers 819-0150
- Titanium soldering tweezers 195-2075
- Titanium soldering pick 830-2211
- Third hand tool with extra soldering tweezers 816-1800
- Hard flex shaft polishing brushes set 112-8000
- Cotton discs for the flex shaft 2x 142-0345
- Wool pads for the flex shaft 2x 142-0300
- Felt cones for the flex shaft 2x 288-2205
- Black polishing compound (water based) 215-1812
- Orange polishing compound (water based) 215-1818
- Ring Clamp 812-0320
- Tribulet 841-1118
- Half rounded pliers 180-0353
- Half round file 630-0620
- Hand file handle 170-6014
- A mandrel for your flex shaft 840-3406
- A 1,5 mm heart burr 121-9040
- 8 Sheets of sanding paper in 4 different grits 2x 109-8190 / 2x 109-8195 / 2x 109-8200 / 2x 109-8203

Basic Tool kit 3 (lessons 13 - 18)

- A magnifier with LED lighting, magnifies up to 20 times 272-4025
- A 25 mm embossing hammer with a flat head 821-8253
- A 375 grams driving hammer with two different heads 821-7025
- A burnisher 811-1900
- A clamping device to hold your homemade needle burnisher 840-4350
- A bezel rocker 816-0120
- A bezel punch 816-0100
- Jett Ballistic (similar to the protoplast I promote in my videos) 816-1575
- A pitch cup in where you can place your Jett ballistic. Small sidenote, you do need a vice or a bench mate to use this cup. If you don't have one of these, continue your search online for a shellack stick. 8560171
- 4 Stone setting burs, 2 - 3,5 mm 121-8390 / 121-8410 / 121-8430 / 121-8435
- 2 Crucibles with pliers 2x 260-8400
- 100 MI boraxine 811-0700
- A double ingot mold, for wire and sheet metal 268-1100
- Blitz beits to darken / patina your silver 210-1453
- A brush 115-0100