



SAWING – FILING - PATINA

TOOLS NEEDED (Saw, Blades, Lube, Bench Pin)

(I use www.riogrande.com and <https://www.ottofrei.com/> for a lot of my supplies.)

1. SAW

Economy Saw, good for getting started!



<https://www.riogrande.com/product/german-adjustable-jewelers-4-saw-frame/110042>

Green Lion Saw (this is the one I use and really like!)



<https://www.ottofrei.com/GreenLion-Studios-Jewelers-Saw-Frame>

2. SAW BLADES

You might want to get a variety of sizes. Saw blades depends on gauge of metal you are sawing. See the saw blade guide below. I like 2/0 for good all purpose – good for 20 and 22 ga)

Laser Gold Brand (I like these)



[https://www.riogrande.com/category/tools-and-equipment/saw-blades-and-frames/saw-blades#t=products&sort=relevancy&layout=card&numberOfResults=36&f:categoryfilter=\[Tools%20%26%20Equipment,Saw%20Blades%20%26%20Frames,Saw%20Blades\]](https://www.riogrande.com/category/tools-and-equipment/saw-blades-and-frames/saw-blades#t=products&sort=relevancy&layout=card&numberOfResults=36&f:categoryfilter=[Tools%20%26%20Equipment,Saw%20Blades%20%26%20Frames,Saw%20Blades])

3. LUBRICANT

Burr Life



<https://www.riogrande.com/product/burlife-stick-lubricant/117003>

Bees Wax (found in the sewing section at stores like Hobby Lobby)



<https://www.hobbylobby.com/Beads-Jewelry/Tools-Adhesive/Jewelry-Glue/Bees-Wax/p/99405>

4. BENCH PIN

Several options varying prices...



[https://www.riogrande.com/category/tools-and-equipment/benches-and-accessories/bench-pins#t=products&sort=relevancy&layout=card&numberOfResults=36&f:categoryfilter=\[Tools%20%26%20Equipment,Benches%20%26%20Accessories,Bench%20Pins\]](https://www.riogrande.com/category/tools-and-equipment/benches-and-accessories/bench-pins#t=products&sort=relevancy&layout=card&numberOfResults=36&f:categoryfilter=[Tools%20%26%20Equipment,Benches%20%26%20Accessories,Bench%20Pins])

The GRS system is fantastic, pricey, but worth the investment! It will also give you the means to expand to add other tools like a vice. The accessories have a dovetail piece that attaches to your fixed plate or removable clamp.

Bench Pin:



<https://www.ottofrei.com/GRS-Bench-Pin-Kit>

this attaches to either the fixed plate



<https://www.ottofrei.com/Knew-Concepts-Fixed-Dovetail-Mounting-Plate>

OR attaches to a removable clamp (I like this, you can take it with you or move it around)



https://www.ottofrei.com/Knew-Concepts-Bench-Clamp_2

SAW BLADE SELECTION GUIDE:

Blade size	Blade thickness	Blade depth	Teeth per inch	Recommended for (B&S gauge)*:	Drill size for piercing
8/0	.0063"	.0126"	89.0	up to 26	80
7/0	.0067"	.0130"	84.0	24-26	80
6/0	.0070"	.0140"	76.0	24	79
5/0	.0080"	.0157"	71.0	22-24	78
4/0	.0086"	.0175"	66.0	22	77
3/0	.0095"	.0190"	61.0	22	76
2/0	.0103"	.0204"	56.0	20-22	75
1/0	.0110"	.0220"	53.5	18-22	73
1	.0120"	.0240"	51.0	18-20	71
2	.0134"	.0276"	43.0	16-18	70
3	.0140"	.0290"	40.5	16-18	68
4	.0150"	.0307"	38.0	16-18	67
5	.0158"	.0331"	35.5	16	65
6	.0173"	.0370"	33.0	14	58
7	.0189"	.0400"	30.5	12	57
8	.0197"	.0440"	28.0	12	55

VIDEOS

Just search 'how to use a jewelers saw' online, there are lots of free videos for instruction! Here are a couple that I found that I like!

<https://www.youtube.com/watch?v=aR5iN9Qmw7c>

<https://www.youtube.com/watch?v=V9WnHVHh2JM>

HOW TO FILE

You can use several different methods to file the edges. Files, Dremels and Flex shaft all work great!

To get started, I suggest getting a couple of files and sand paper in various grits. Here is a link to a good assortment. There are cheaper options available on sites such as amazon, but this is a great set!



<https://www.riogrande.com/product/friedrich-dick-hand-file-sets/114771gp>

VIDEOS

[https://www.google.com/search?client=firefox-b-1-d&sxsrf=ALeKk03C3PEa3C7Om4GRJXlyWsmzm0GV7g%3A1605468698004&ei=GyKxX7HTPIbb5gL4_oeYCQ&q=how+to+file+your+jewelry+meta l&oq=how+to+file+your+jewelry+metal&gs_lcp=CgZwc3ktYWIQAzoECA AQR1C4Q1jmSmDLTGgAcAJ4AIABfогBiAWSAQM3LjGYAQCgAQGqAQdn d3Mtd2l6yAEIwAEB&sclient=psy-ab&ved=0ahUKEwjxw8T7pIXtAhWGrVkkHXj_AZMQ4dUDCAw&uact=5#kpvalbx=_JIKxX6OWMYSK5wKkz4HACQ14](https://www.google.com/search?client=firefox-b-1-d&sxsrf=ALeKk03C3PEa3C7Om4GRJXlyWsmzm0GV7g%3A1605468698004&ei=GyKxX7HTPIbb5gL4_oeYCQ&q=how+to+file+your+jewelry+metal&oq=how+to+file+your+jewelry+metal&gs_lcp=CgZwc3ktYWIQAzoECA AQR1C4Q1jmSmDLTGgAcAJ4AIABfогBiAWSAQM3LjGYAQCgAQGqAQdn d3Mtd2l6yAEIwAEB&sclient=psy-ab&ved=0ahUKEwjxw8T7pIXtAhWGrVkkHXj_AZMQ4dUDCAw&uact=5#kpvalbx=_JIKxX6OWMYSK5wKkz4HACQ14)

<https://www.youtube.com/watch?v=8AJGqULMssc>

<https://www.tonyadavidson.com/online-learning/>

HOW TO PATINA

There are lots of different patinas, different for various metals. Here is a link to several different kinds:



<https://www.riogrande.com/searchresults#q=patina&t=products&sort=relevancy&layout=card&numberOfResults=36>

VIDEOS

<https://www.tonyadavidson.com/online-learning/>