

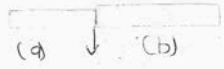


My intention was to make a ring with two cabochons.
 a) Cabochon was a stone polished by Cabochon was a glass cabochon made in class that I just went quiet well together.
 I wanted them to overlap, initially drawing a) but wasn't happy with this, so tried with arranging the two cabochons meeting together on the opposite plan, drawing b).
 then to make it tighter to off centre them a little, to sit on finger easier.
 Drawing c) is my working design.
 I made a template of the ring sized P $\frac{1}{2}$.

used in final design  first one for (b) sterling silver 1mm thick

is used for ring  2nd one for (c) sterling silver 1mm thick

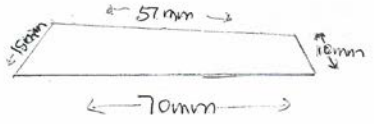
used (b) for the ring  3rd one for Bezels. .5mm thick for both.

1



WORKING DRAWINGS.

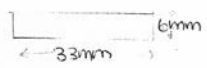
actual shank used for Ring.



by 1mm thick. stg

This is to fit P $\frac{1}{2}$ size ring.

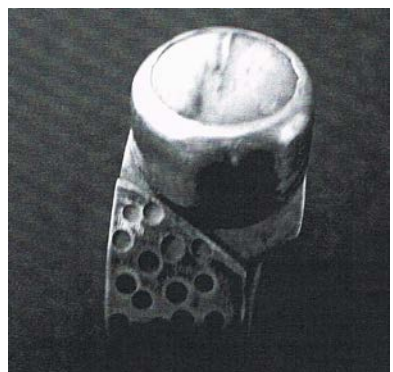
Bezel for Ring.



by .5mm thick. stg

This includes 2mm for tolerance.

2



The photos show a somewhat non smooth bezel setting, not to pleased about. This could be improved with the chisel.
 I am pleased with the ring, like wearing it. The design I feel suits the cabochons. Which is just a simple stone off the beach.

Development of construction plan to make a Cabochon Ring

1. gather required materials.
2. Cabochon. silver shank silver bezel.
3. make bezel to required size to fit cabochon.
4. make shank to required size of ring size.
5. solder + fit the bezel to shank.
6. fit cabochon + set.
7. sand + polish ring.

4

Structural	<ul style="list-style-type: none"> handmade bezel to fit shape and size of selected stone ring shank made to correct size and soldered with correct grade of solder 	3
Aesthetic	<ul style="list-style-type: none"> e.g. texture using etching, hammer, rolling mill, stamps, or punches. shank design / shape 	

Safety observed and recorded (schedule)		✓	5
Photographs - student using safety equipment and safe working practices			

2) Testing Checklist.

These I did while making my ring.

i. Ring shank soldered using hard solder.

6

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To solder the shanks together, my design needed to be sweat soldered + wired. (melting hard solder with flux to surface of silver.) and wires to hold in place so no room for movement) heating up to allow solder to join to edges together. This worked well.

2 Solder joints are accurate with sufficient solder to withstand needed use.

I also decided at this stage I would use some texture as not using two cabochons, needed something to accent the angles. I had created this required straightening silver again, by gently pulling out with pliers. To indent surface used hammer + punch. Repeated the mandrel and swag again.

3 Shank ~~solder~~ filed, sanded and shaped correctly.

Third step.

Bezel shaped to fit the shape of the shank. No light spaces needs to fit well to form a good strong solder so bezel won't be knocked off. Filing till it fits.

4 Bezel stone fits with sufficient ease and height of bezel is correct for the stone (I needed to include a small ring inside so the stone could be set at the height I wanted).

5. Bezel fits shank accurately no light seen through join.

6 Bezel ~~not~~ soldered onto shank accurately, check symmetry and distance from edges.

7 Stone supported correctly in bezel setting (wobble test)

8 metal finish completed to specification before stone is set.

