

# Instructions

Note that these were developed to be able to use the most basic of equipment possible in order to make it more accessible. A laser cutting machine (min. 1,500 watt) or waterjet cutting machine is most suited to cut the stainless headgear.

## Face Shield

Mylar 0.010-0.13" was used, but similar plastics with enough rigidity can be used. Use the template provided. A local professional vinyl cutter could cut them. It is possible to cut with scissors, but be cautious of rough edges. Although not ideal, a hole punch could cut the holes.

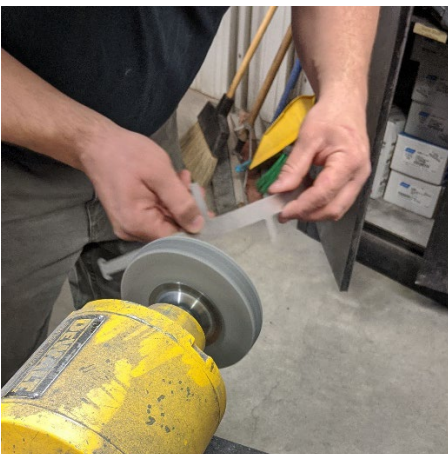
## Stainless Headgear

Material used was 301-304 ½ Hard Stainless Steel 0.020". You can also use Full Hard.

1. Laser cut using the attached files



2. Deburr the surface using 220 paper on an orbital sander, removing any tabs



3. Break edges using a bench grinder



4. Bend the three tabs at a 90 degree angle and the ends at xxx degree angle. This can be done with a press brake, or manually with a wrench.



5. Form the rounded middle part starting at the indicated bend lines. It can be simply formed over a 1-1.5" inch dowel until it approximately fits on the attached template. Note, the material is springy enough that it does not have to fit exactly.