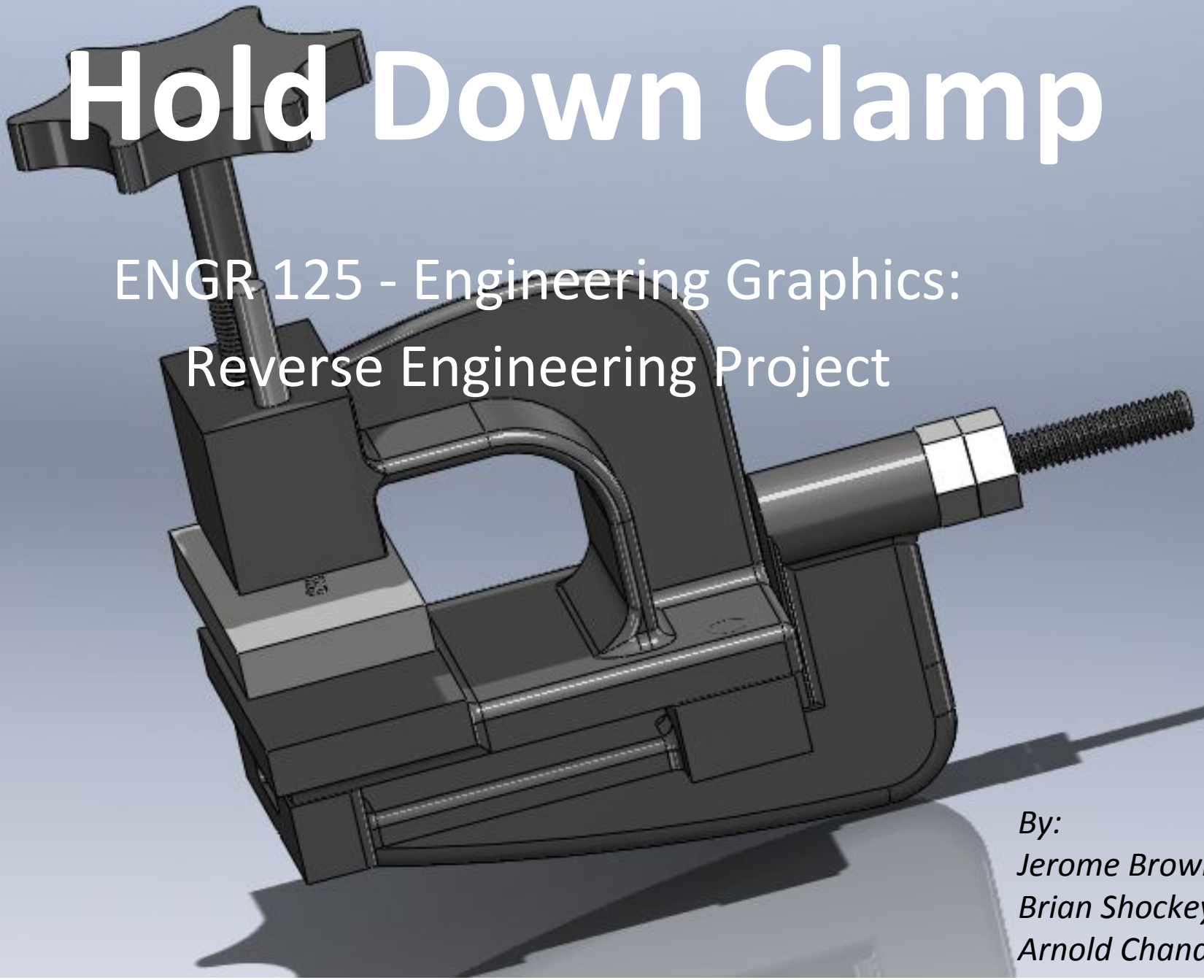
Hold Down Clamp

ENGR 125 - Engineering Graphics:
Reverse Engineering Project



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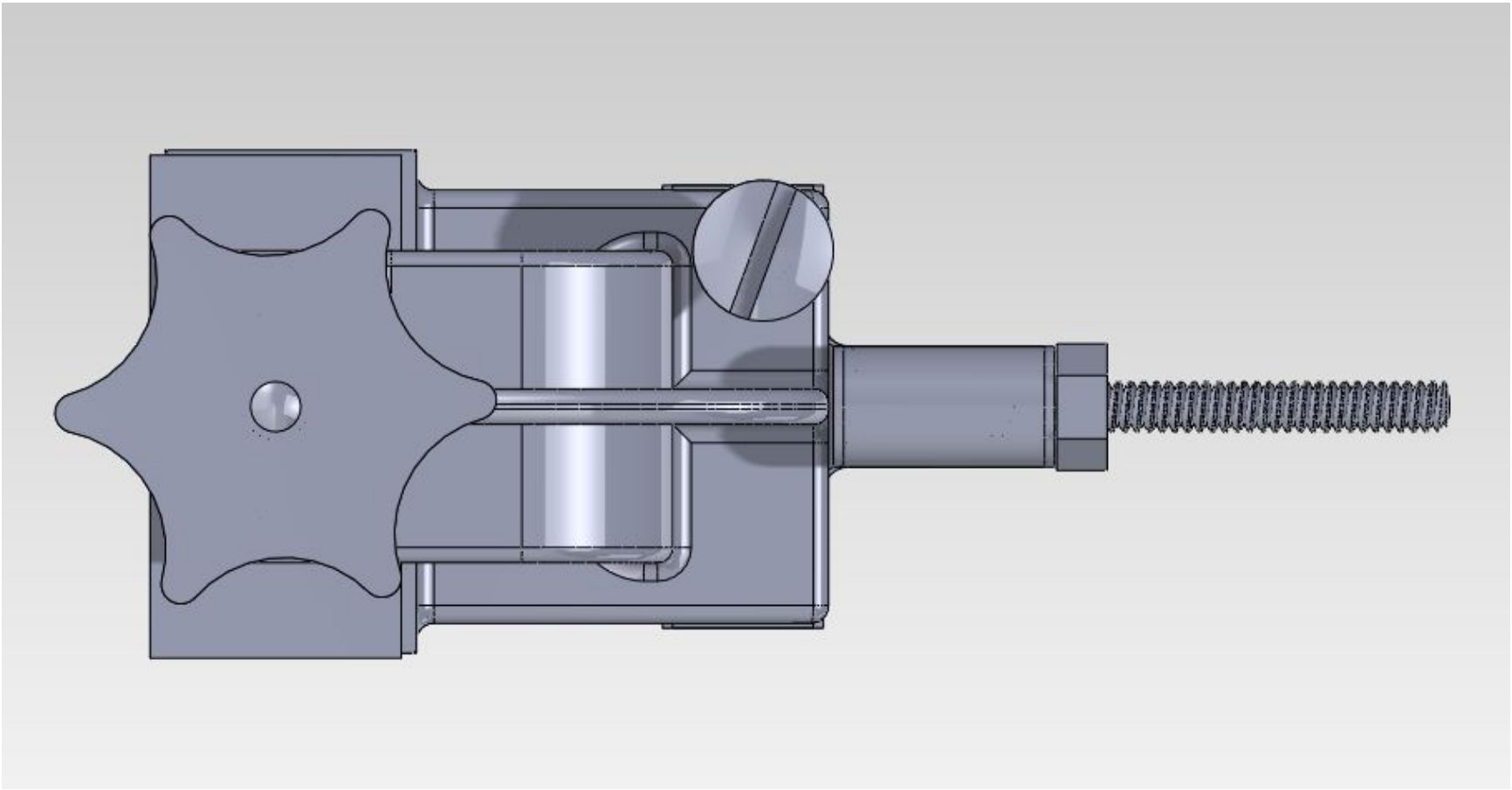
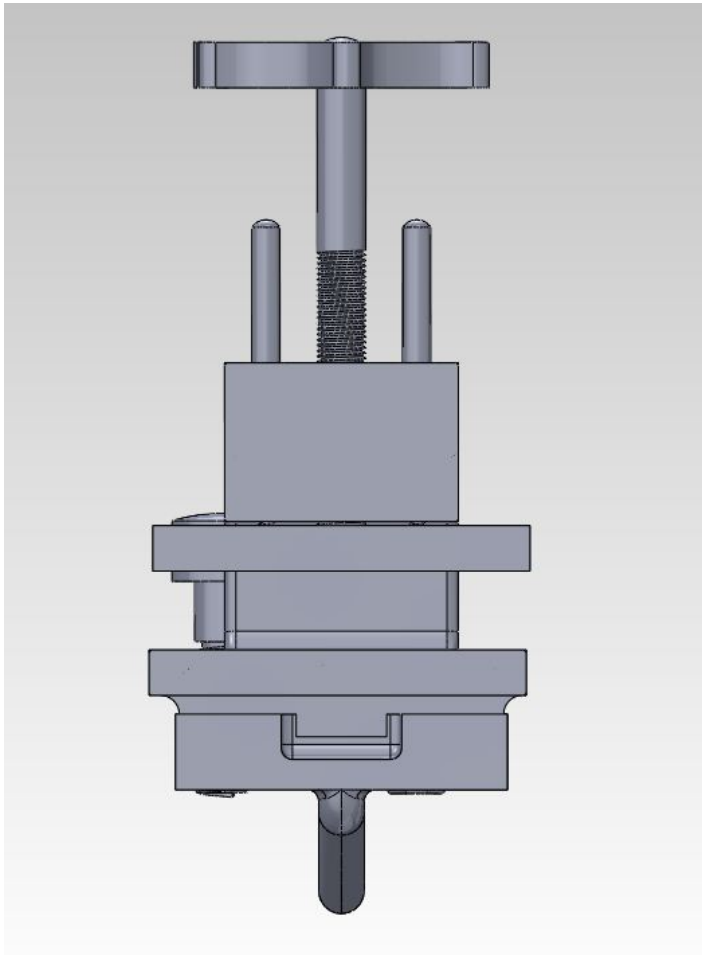
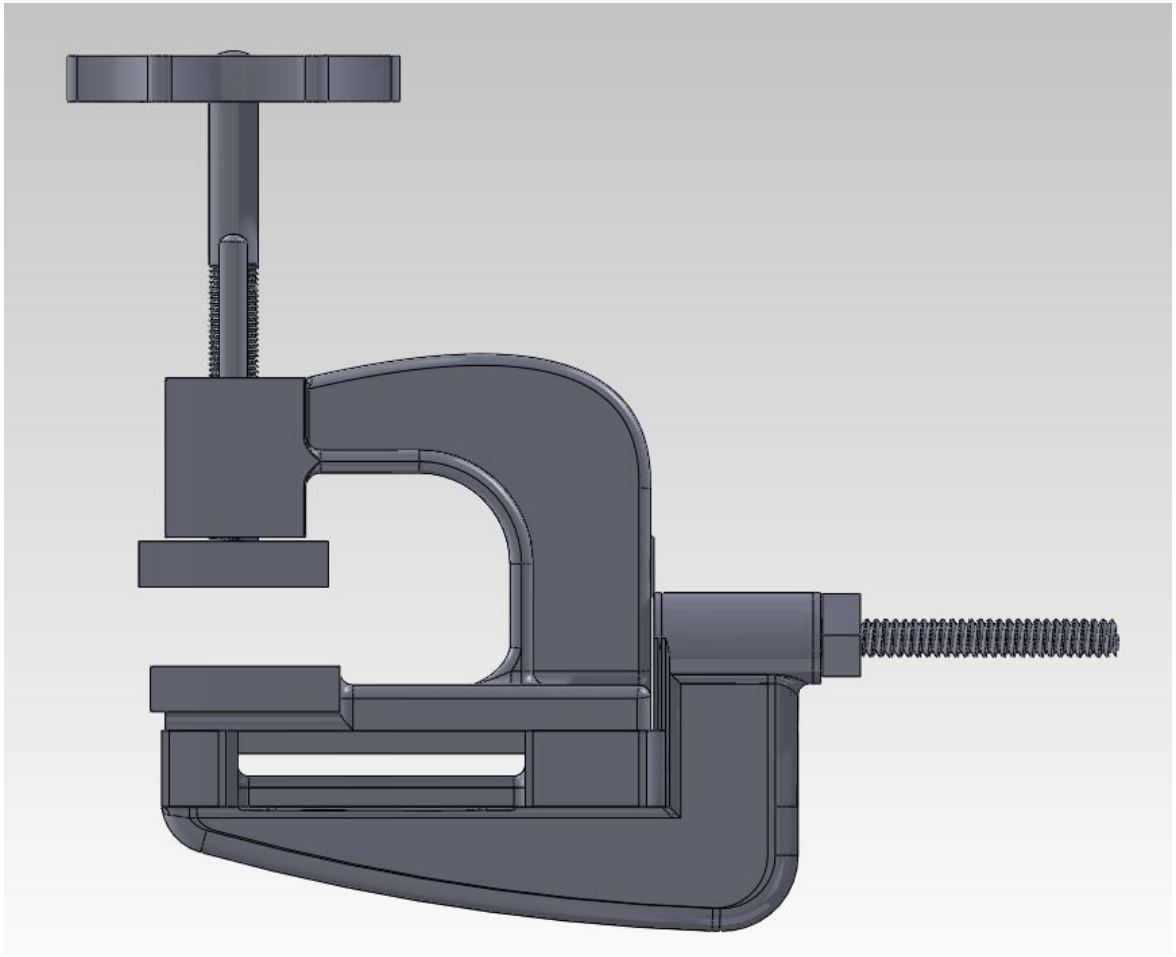
Top View



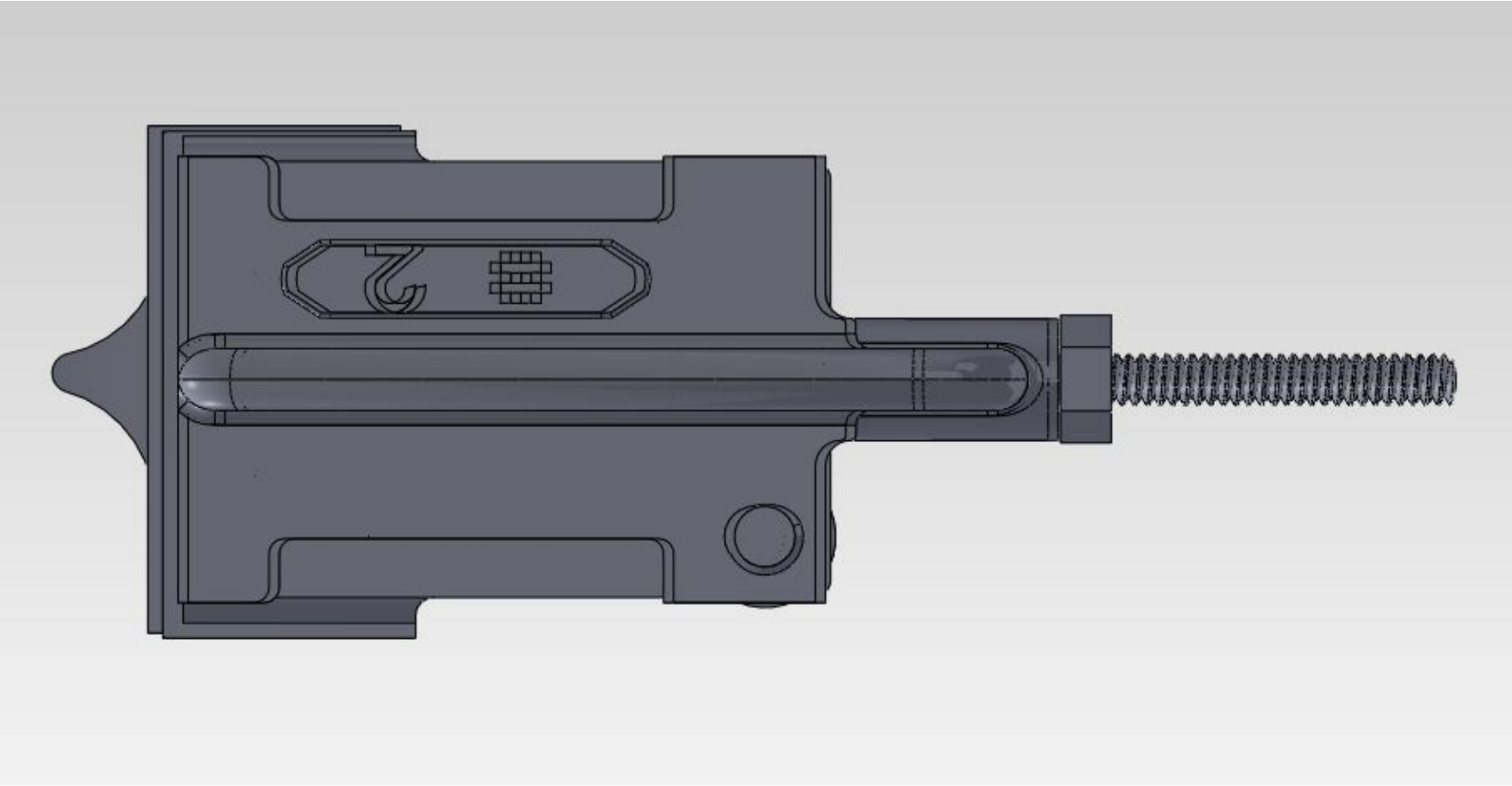
Front View



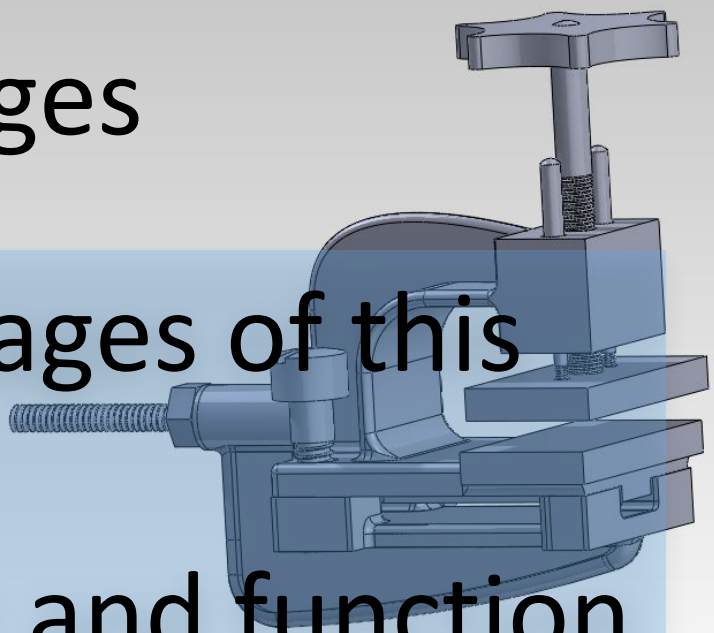
Side View



Bottom View



Advantages



Some of the advantages of this model:

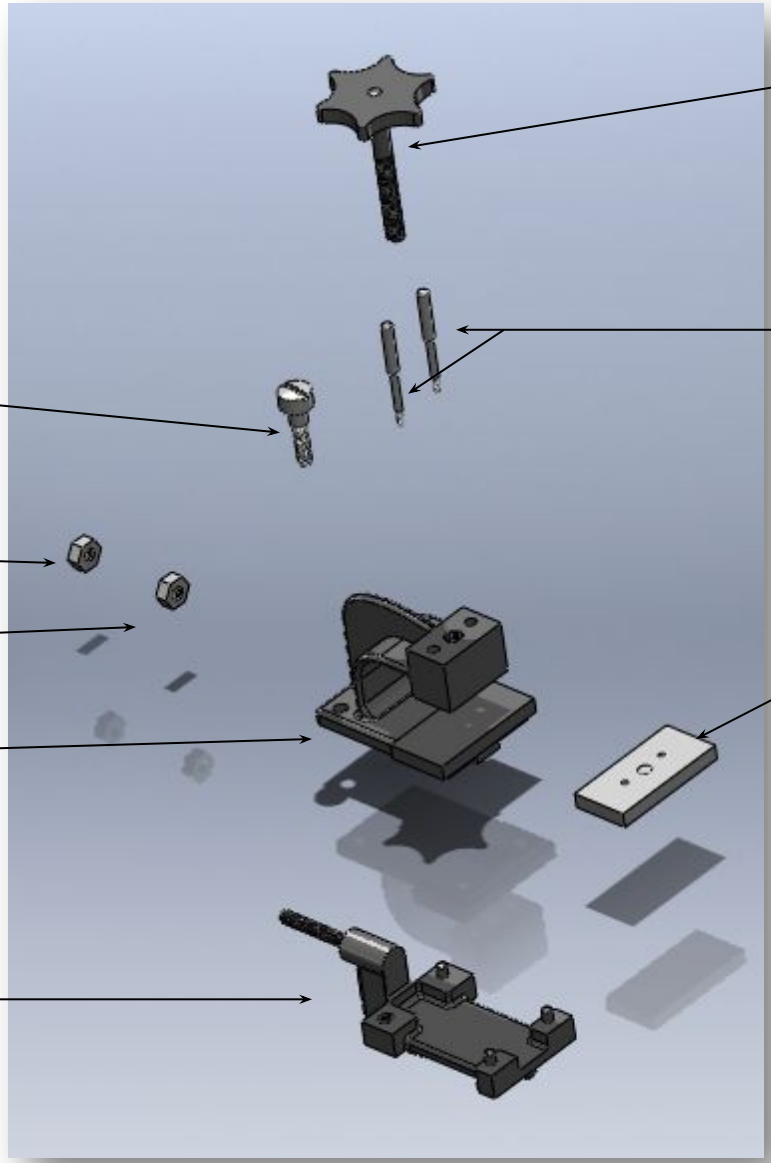
- To be able to work and function properly
- Almost accurate design from the clamp itself

Disadvantages

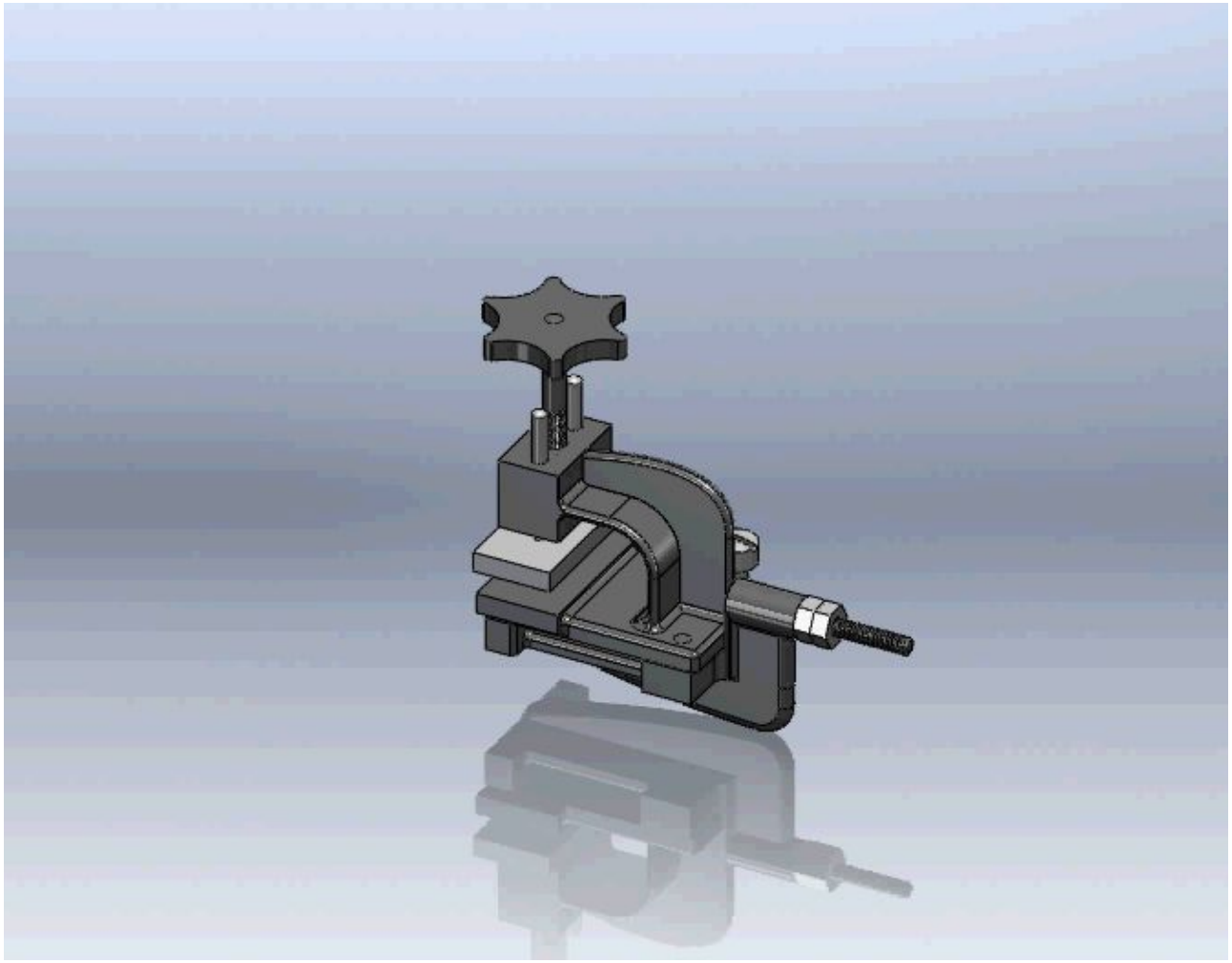
Some disadvantages of this model were:

- Threads on the screw and the holes do not match properly
- Nut bolt had to reduced in size to fit the end screw of the clamp
- Spring was not attached to one of the pins to pull up the holding plate

Exploded View



HOLD DOWN CLAMP



Serviceability

- Will be able to hold two pieces together to either glue those pieces or for some other use.

Changes Recommended

- The spring could have been in the star screw than have two pins holding the plate
- Instead of a screw in the back that will only fit in the wall, why not have another clamp to hold it on a table.