

### Printed parts list:

Servo Horn Arm: **x1**

Arm Link: **x1**

Bolt pusher: **x1**

Body Unit: **x1**

Motor Housing Unit: **x1**

Wing 2 - Right: **x1**

Wing 1 - Left: **x1**

Motor\_housing\_cover: **x2**

Flywheel: **x2**

Stand Nut: **x1**

Stand bolt: **x1**

Main Holder: **x1**

Stand - Part 2: **x2**

Stand - Part 1: **x1**

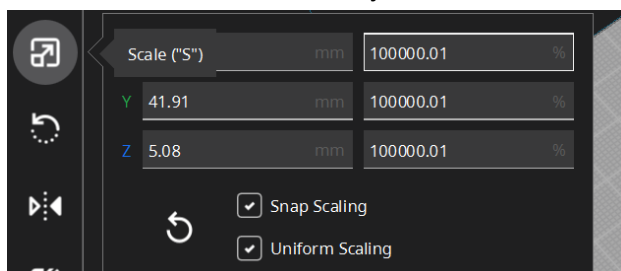
**Printing Recommendations:** Although this project has tolerances compensated within the design, we cannot account for all printers of every brand / quality, some will be more accurate than others, However these are some recommendations in how to print to gains the most accurate parts (these example use CURA as the slicer). **You know your printer best.**

All parts should be printed with:

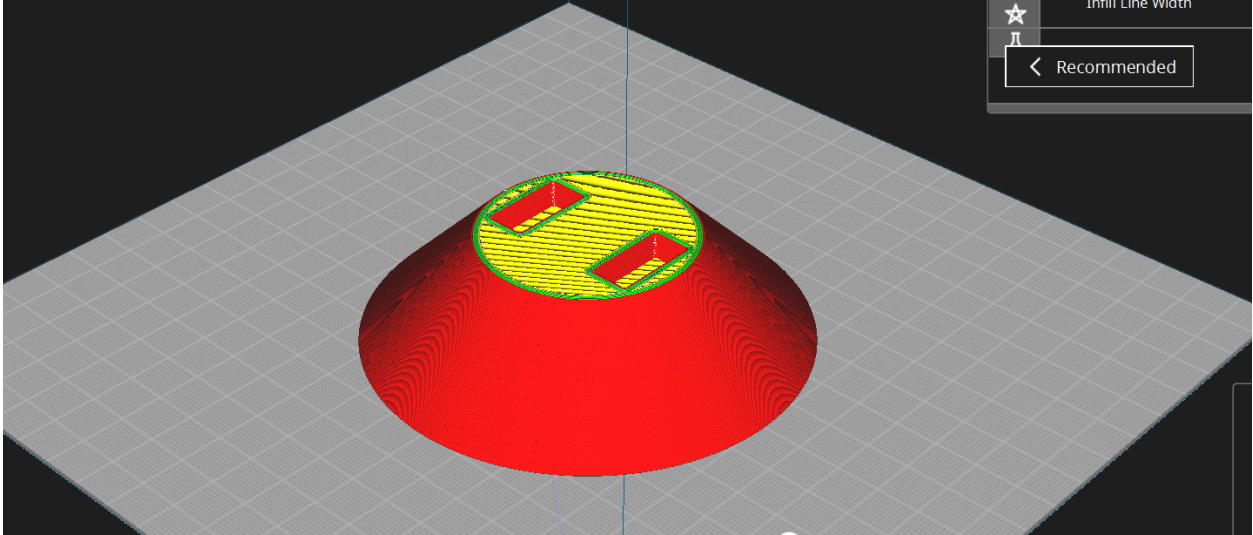
- 0.1mm layer height (you can use higher layer lines but it may impact if parts can fit together, especially at the extreme ends at 0.28mm layer height.)
- 15-30% infill
- 3 or 4 walls (assume print with the standard 0.4mm nozzle)
- No supports **UNLESS STATED OTHERWISE**
- **PLA** (you can use other materials but that is up to your own discretion ABS would work too but it is a *possibility* that it impact tolerances)
  - Any variant of PLA works, adhere to manufacturers temperatures
- If you have trouble with bed adhesion, **try using a brim to keep the part stuck to the bed (obviously remove any brim or support material before assembly)**

### Recommended part orientation and NOTES:

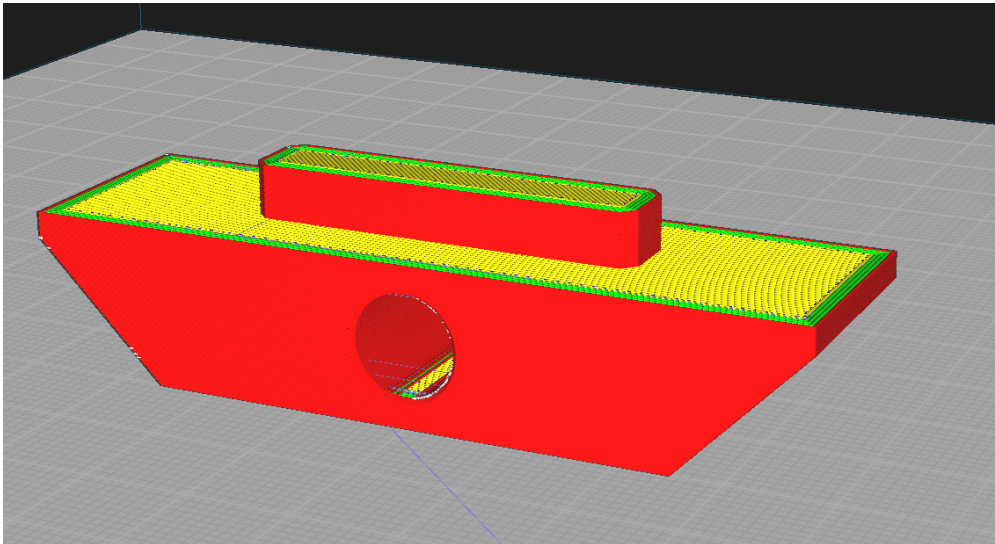
- CURA can sometimes wrongly scale STL sometimes, if the part is extraordinary small or large, make sure to to scale them back correctly, simply move the scale percentage decimal to the left to correctly scale down, or to right to scale up



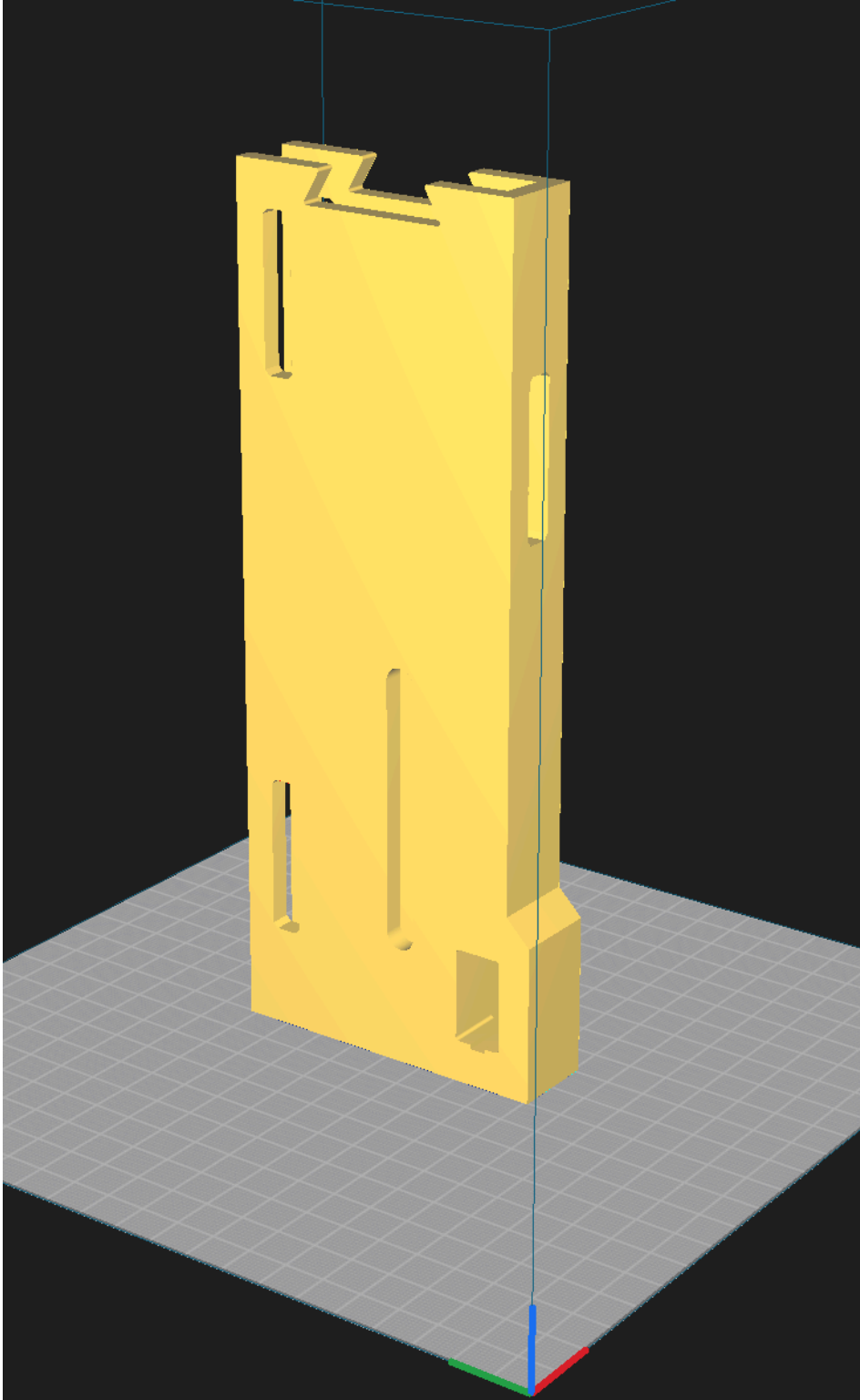
Printing Orientation for **Stand - Part 1:**



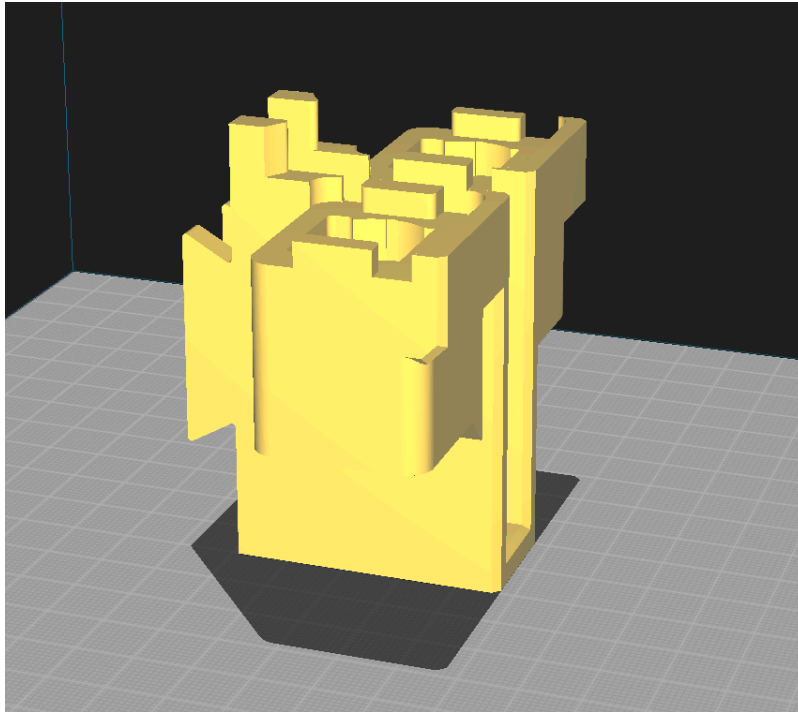
Printing Orientation for **Main Holder:**



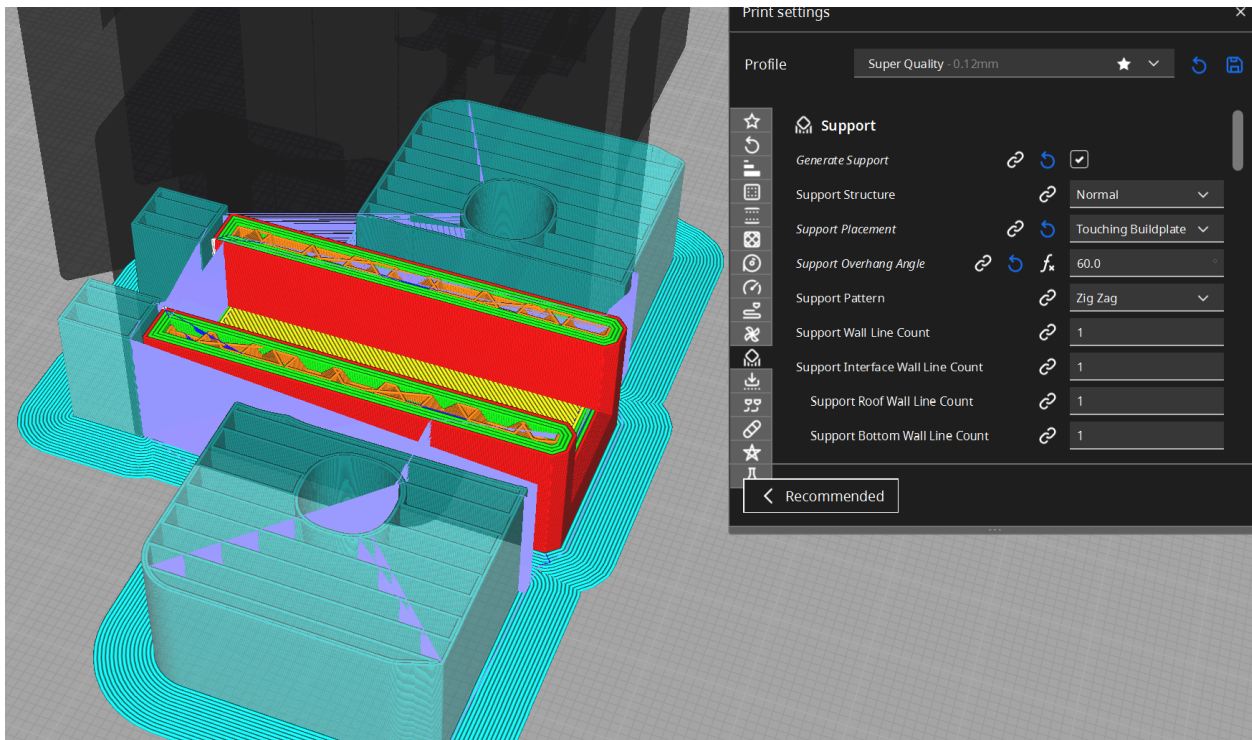
Printing Orientation for **Body Unit**:



## Printing Orientation for Motor Housing Unit:

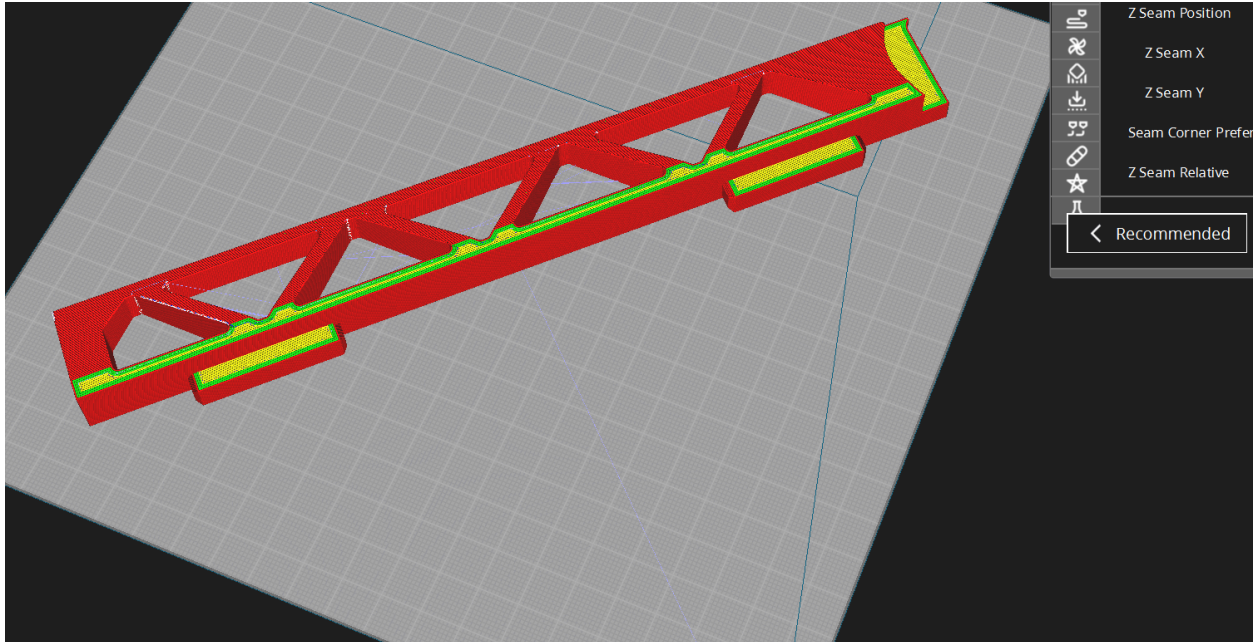


**THIS PART MUST BE PRINTED WITH SUPPORTS AND A BRIM, set to only touching build plate and overhang angle to 60 degrees as shown, recommend also enabling support interface to help with a clean print.**





Printing Orientation for **Wing 1 - Left** (can also be used for the other wing (**Wing 2 - Right**)):



General Printing Orientation: **For the rest of the parts. NOT RECOMMENDED TO PRINT ALL AT ONCE** (unless you're confident), this is just for visuals for how these parts want to be orientated.

