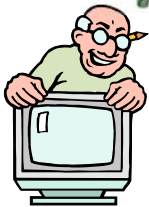
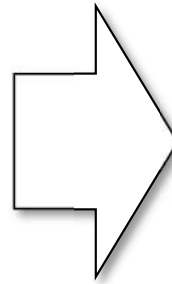
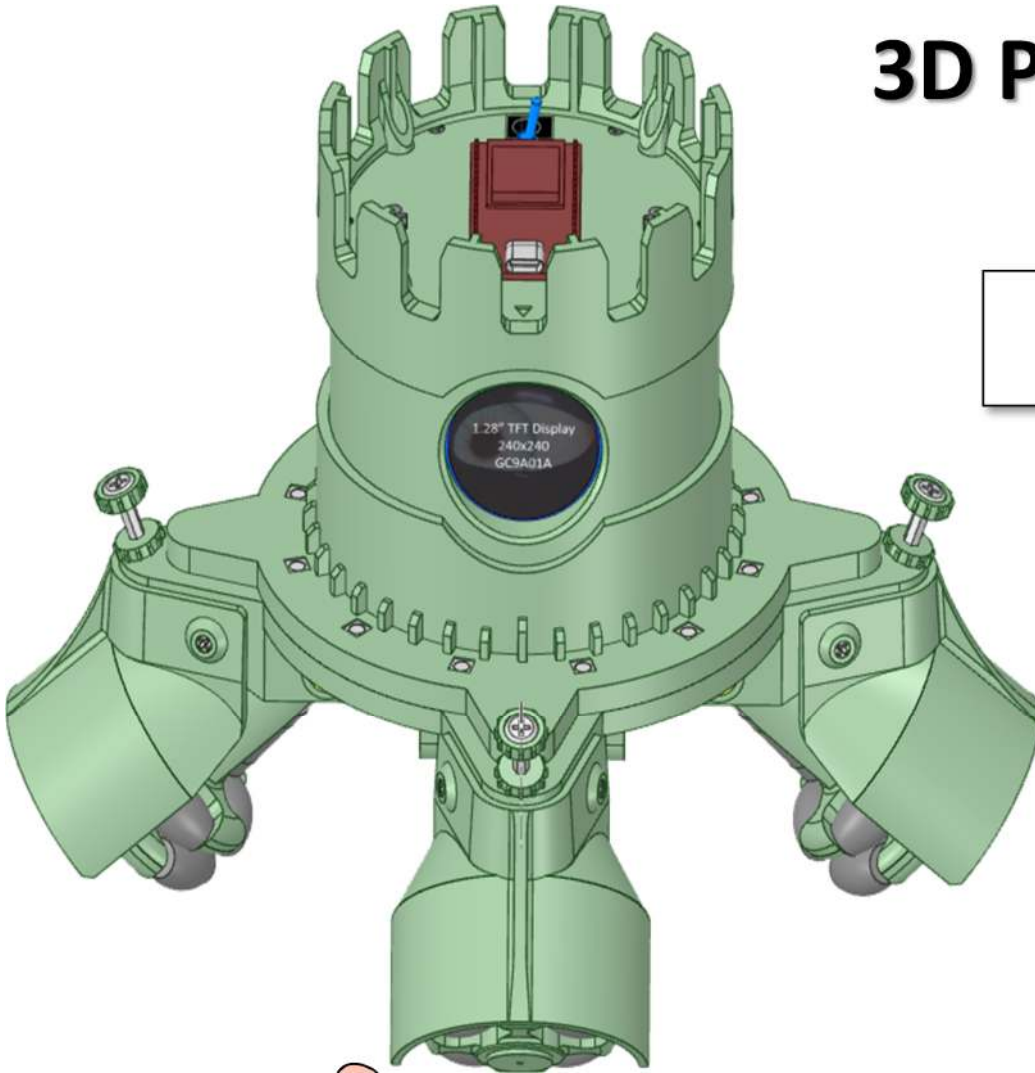


BallBot4x4 ESP32

3D Parts



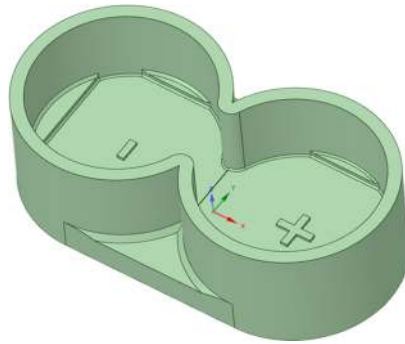
You can download a .zip file containing all of the 3D models for BallBot.

Printed Parts

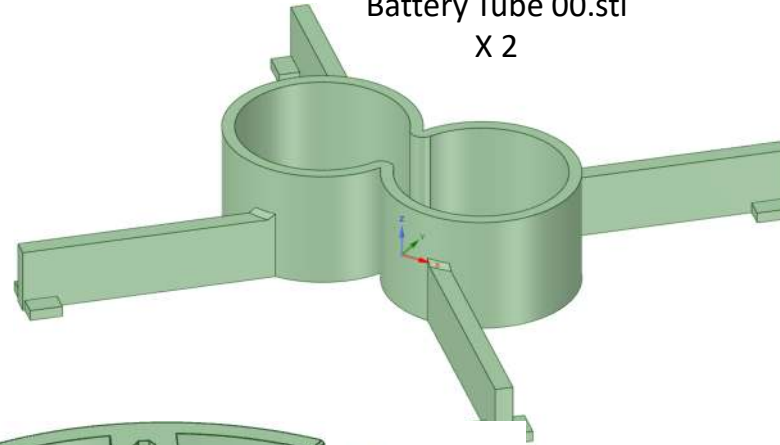


This should help you identify all of the parts needed to build the robot.

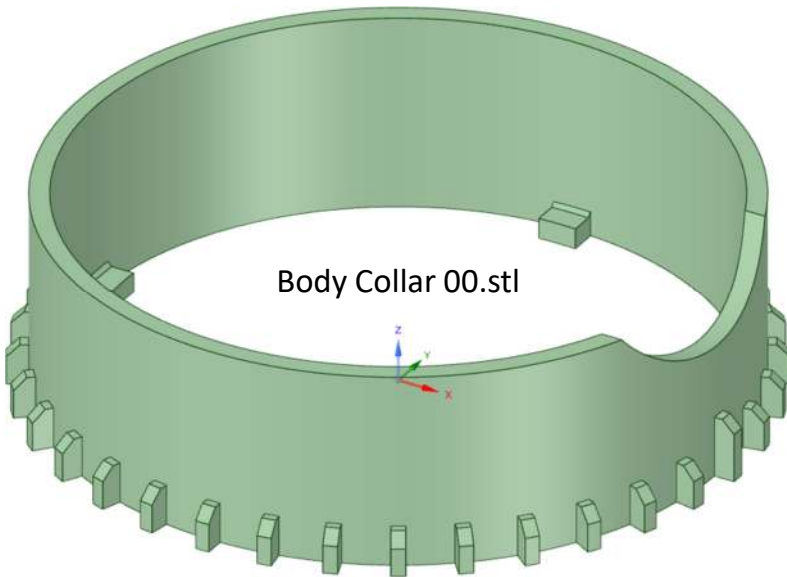
Battery End Cap 00.stl



Battery Tube 00.stl
X 2

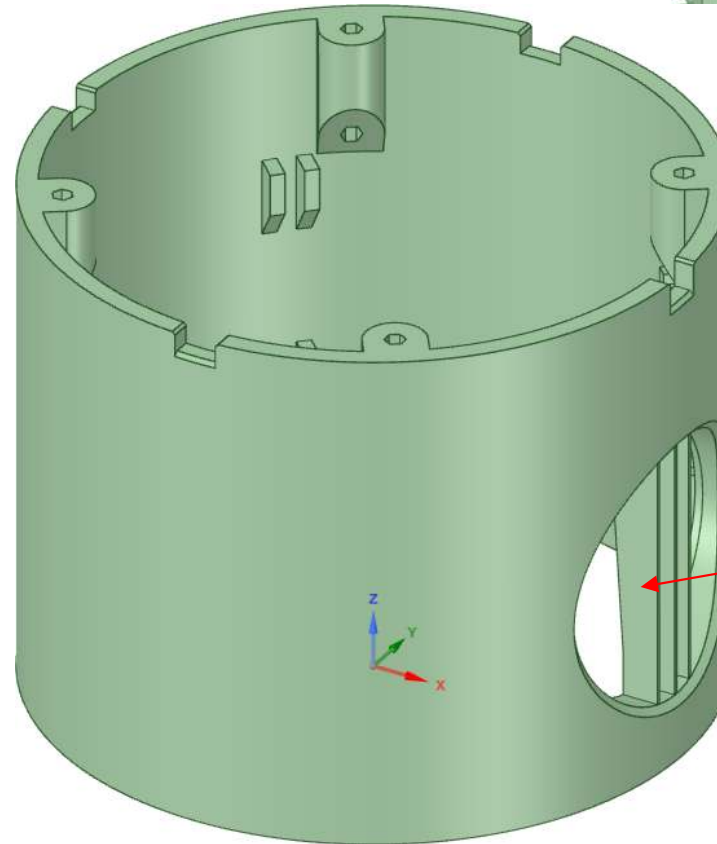


Body Collar 00.stl



Note: some parts have additional features to make the more printable. Remove these elements after printing.

Body Tube 00.stl



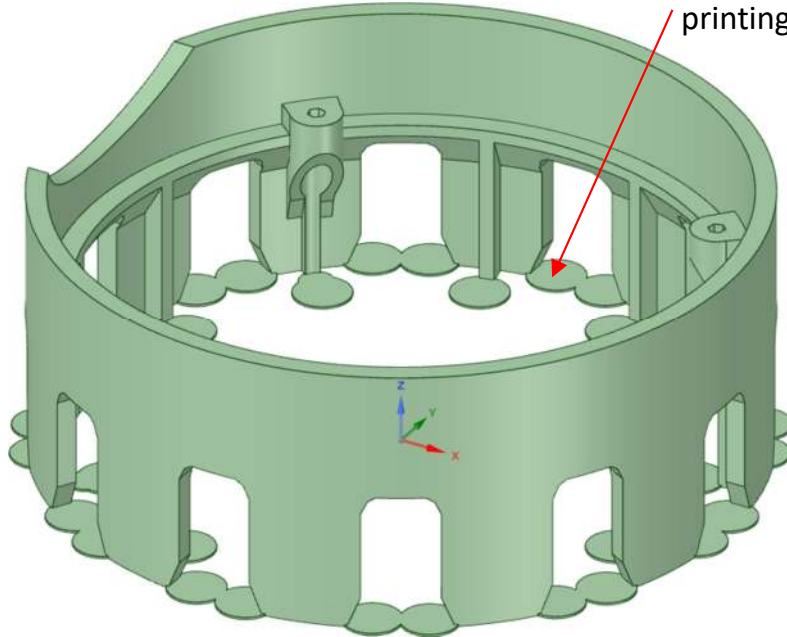
Images are not to scale

Printed Parts



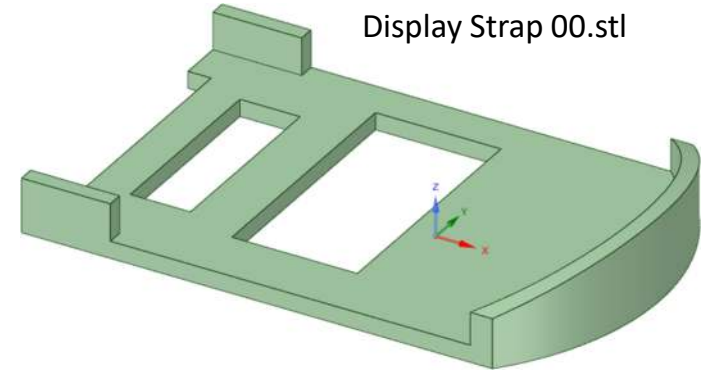
This should help you identify all of the parts needed to build the robot.

Crown 01.stl

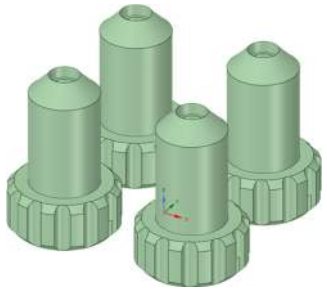


Remove after printing.

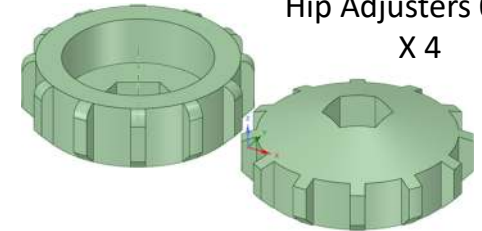
Display Strap 00.stl



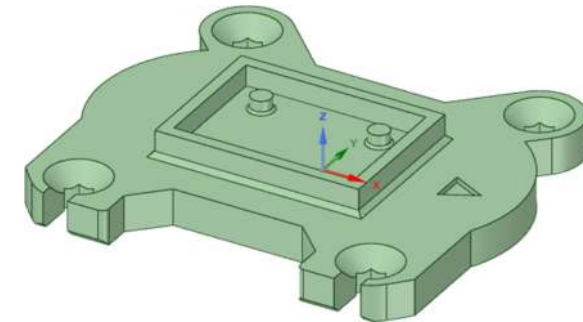
IC Knuts 00.stl



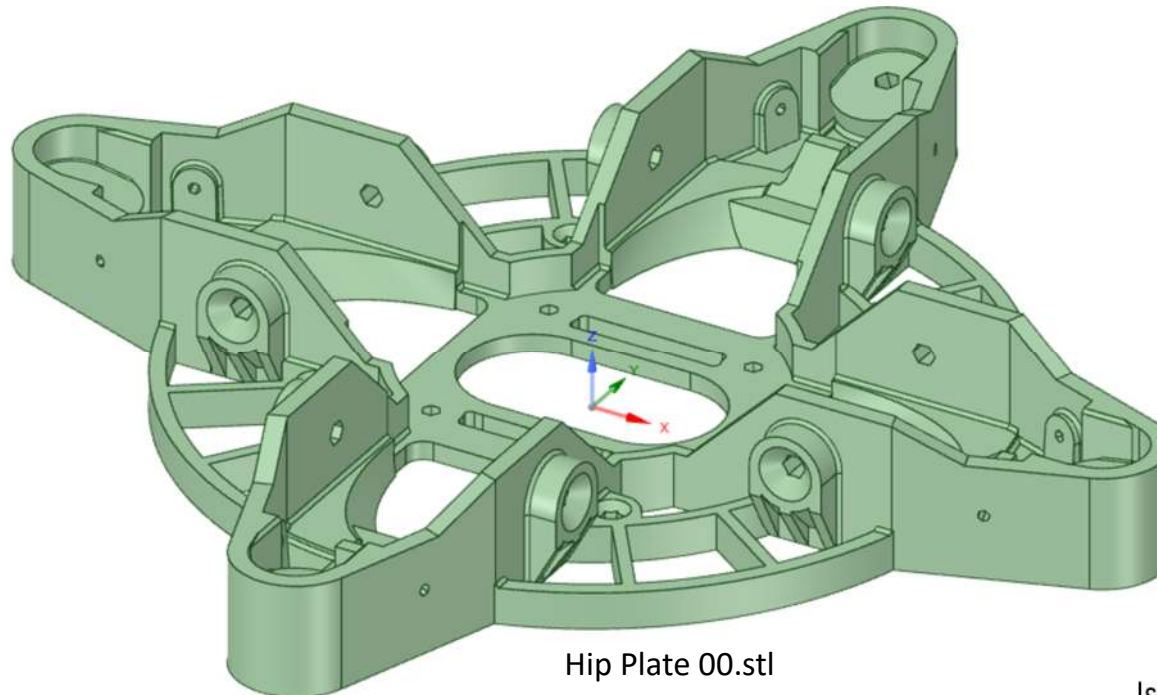
Hip Adjusters 00.stl
X 4



ICM Plate 00.stl



Hip Plate 00.stl



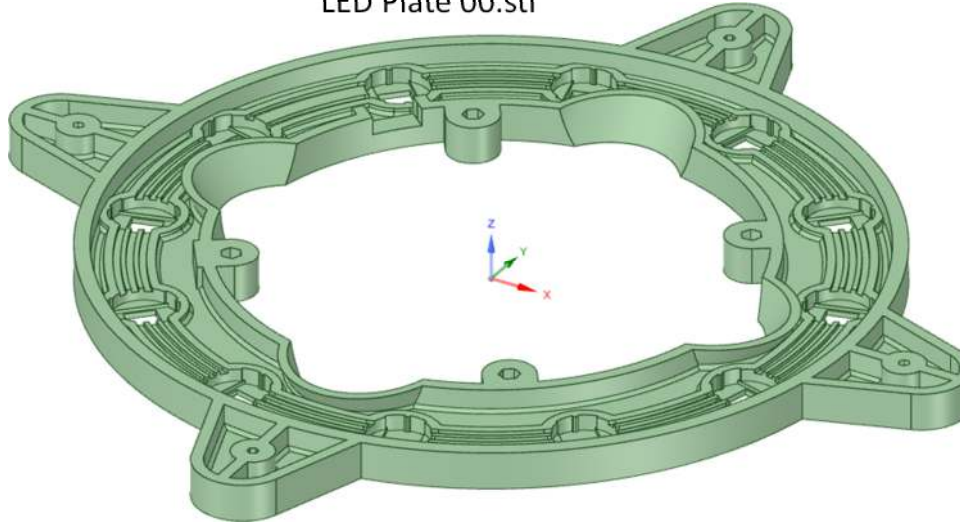
Images are not to scale

Printed Parts

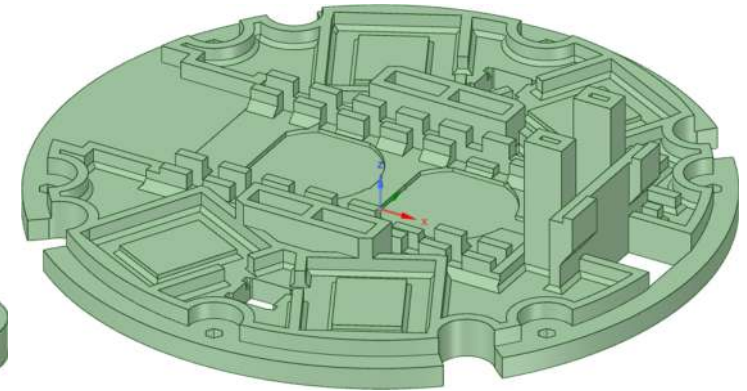


This should help you identify all of the parts needed to build the robot.

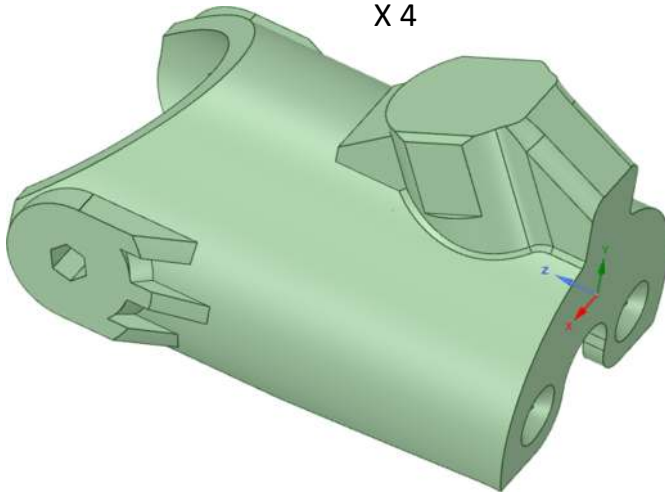
LED Plate 00.stl



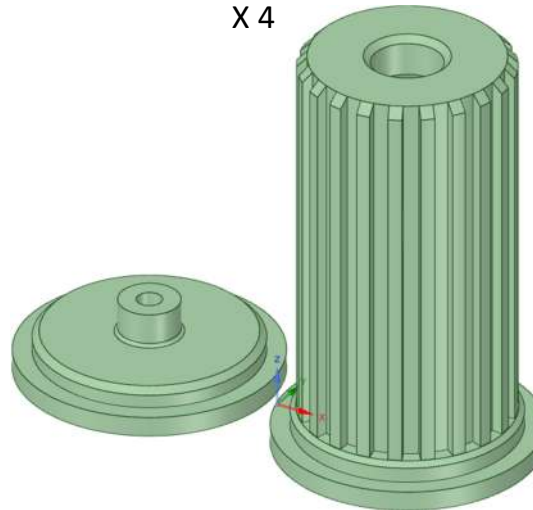
Micro Plate 00.stl



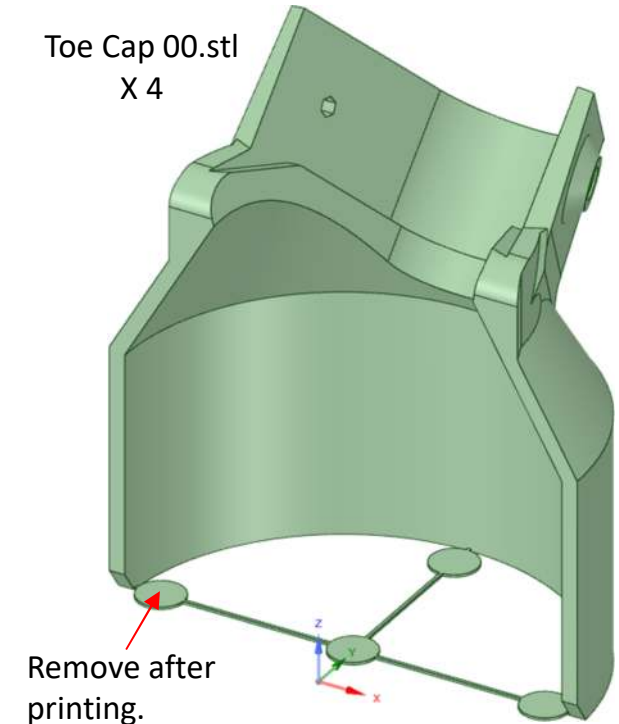
Motor Mount 00.stl
X 4



Omni Wheel Hub 00.stl
X 4



Toe Cap 00.stl
X 4

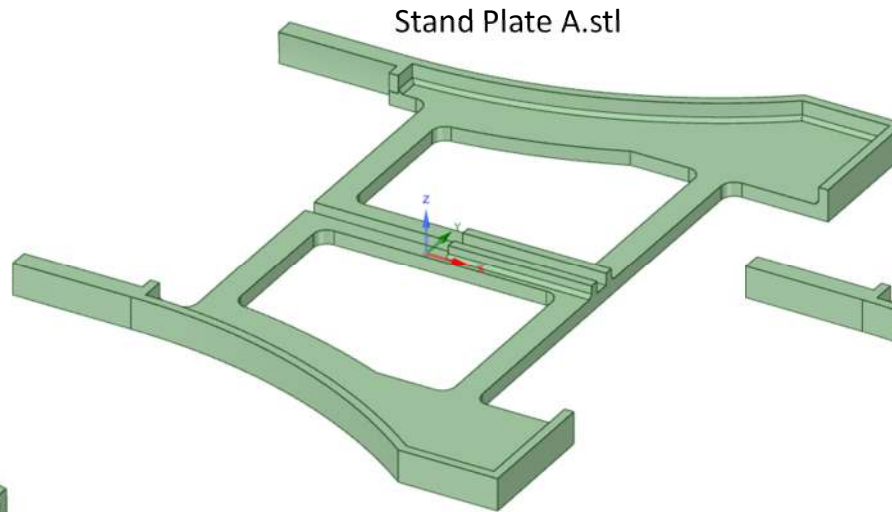


Images are not to scale

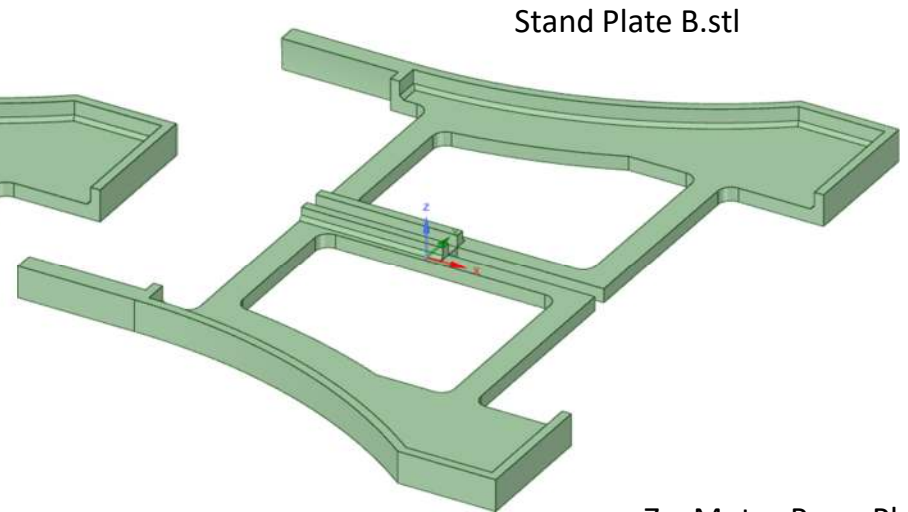
Printed Parts



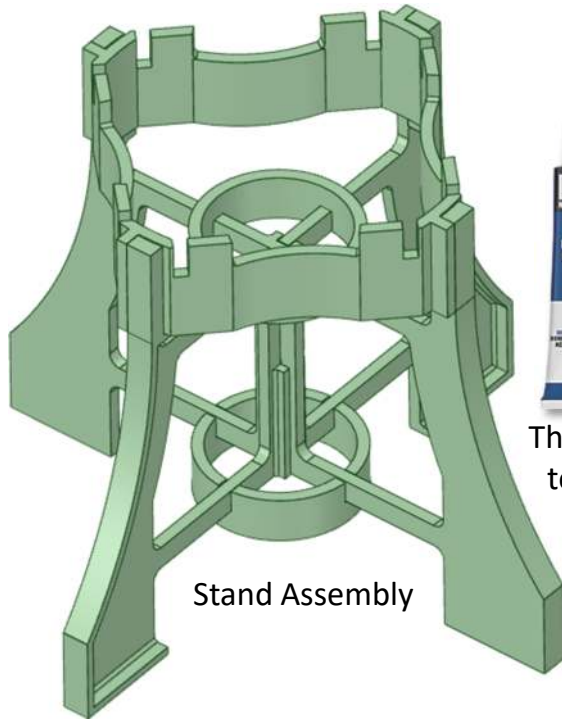
This should help you identify all of the parts needed to build the robot.



Stand Plate A.stl



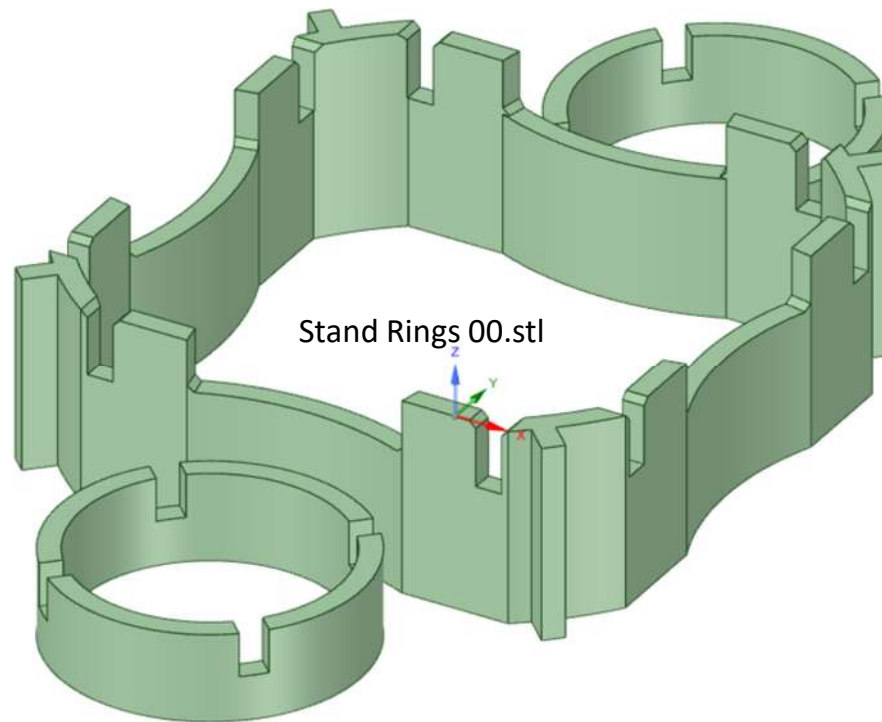
Stand Plate B.stl



Stand Assembly

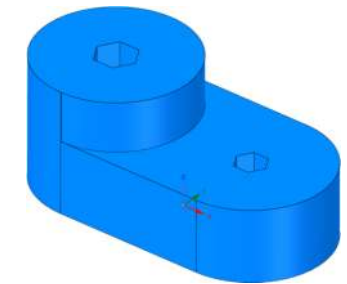
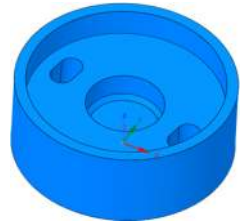


The stand is a slot together, glued assembly.



Stand Rings 00.stl

Z – Motor Press Plate.stl



Z – Motor Screw Gauge.stl

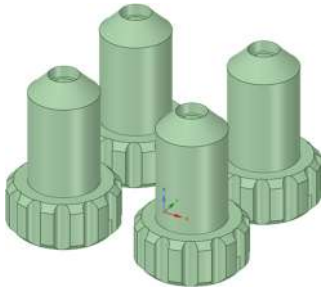
Images are not to scale

Printed Parts



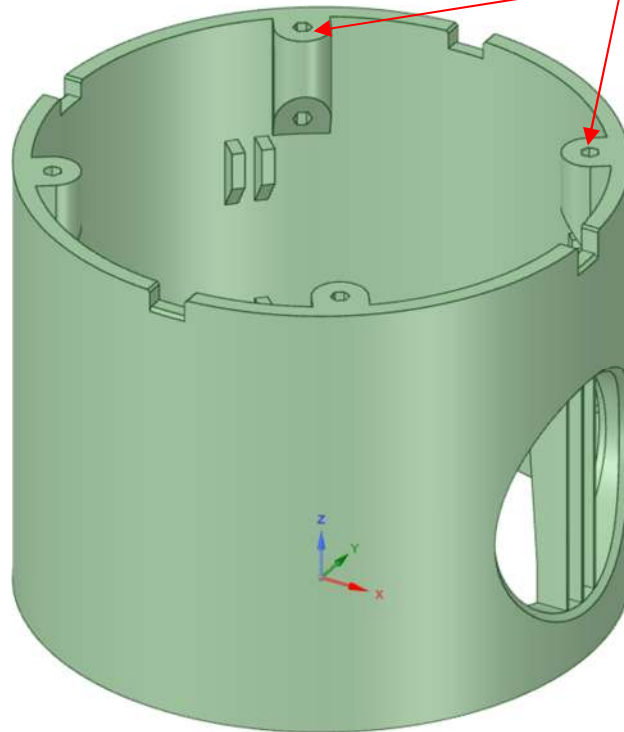
This should help you identify all of the pilot drill and clearance hole sizes.

IC Knuts 00.stl



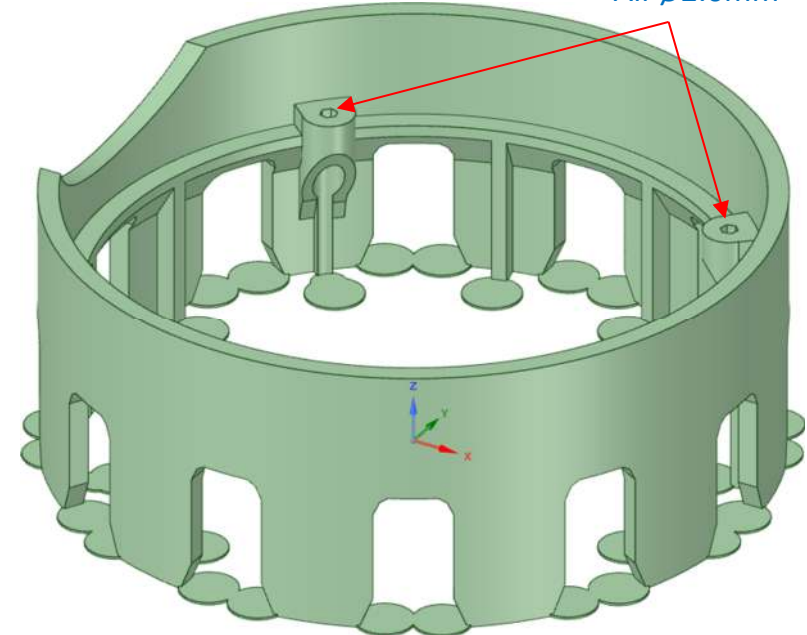
All $\varnothing 2.5\text{mm}$ pilot
M3 tap

Body Tube 00.stl



All $\varnothing 2.5\text{mm}$ pilot
M3 tap

Crown 01.stl



All $\varnothing 2.0\text{mm}$

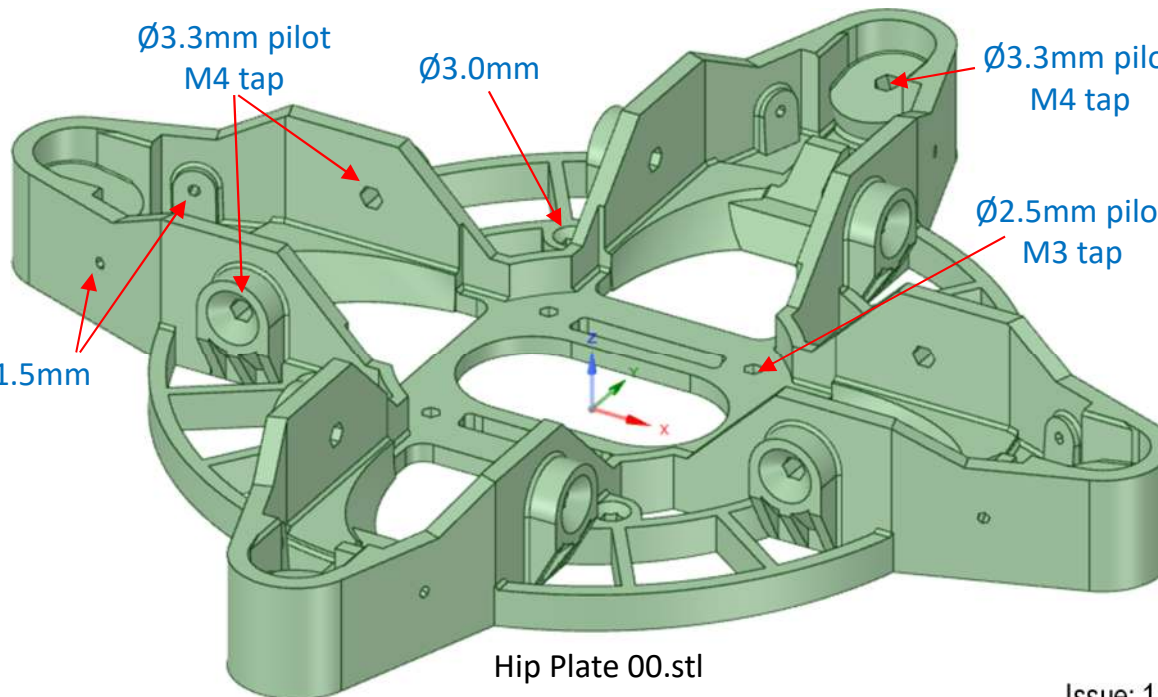
$\varnothing 3.3\text{mm}$ pilot
M4 tap

$\varnothing 3.0\text{mm}$

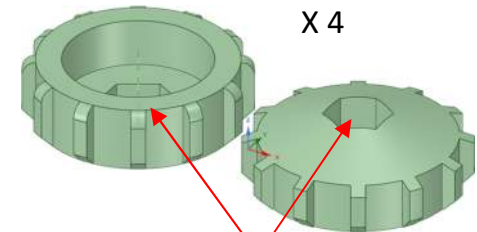
$\varnothing 3.3\text{mm}$ pilot
M4 tap

$\varnothing 2.5\text{mm}$ pilot
M3 tap

$\varnothing 1.5\text{mm}$



Hip Adjusters 00.stl
X 4



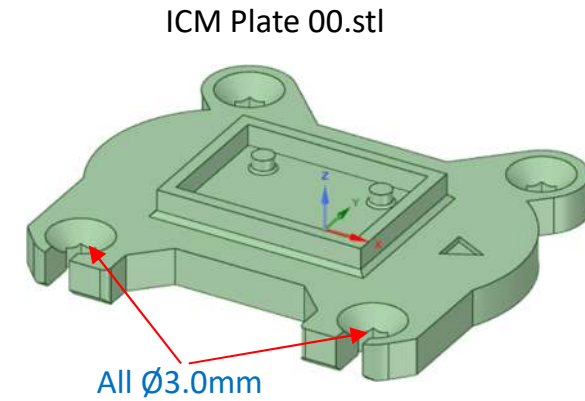
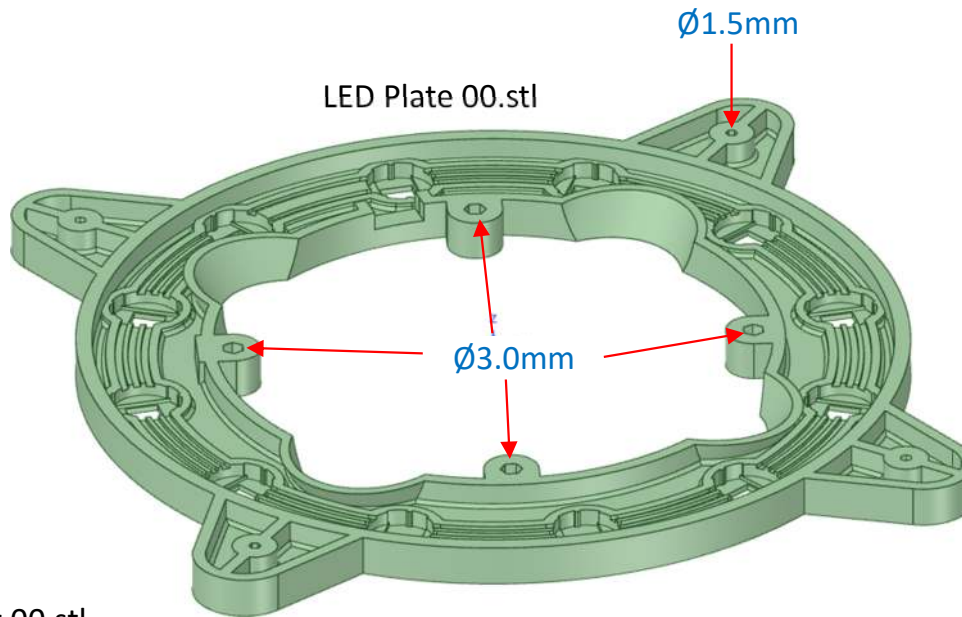
Both $\varnothing 3.3\text{mm}$ pilot
M4 tap

Images are not to scale

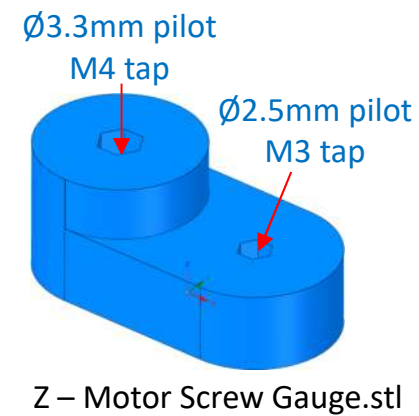
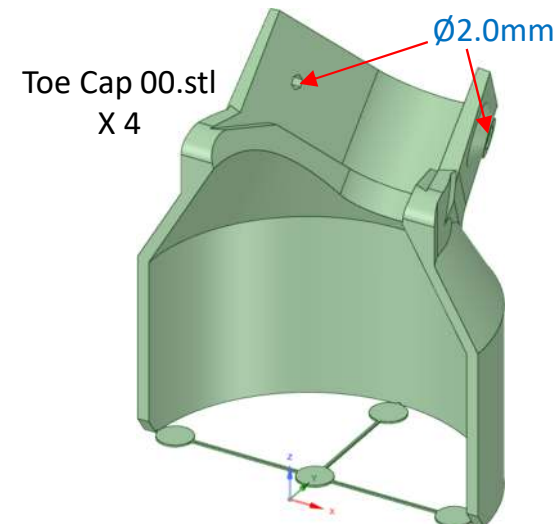
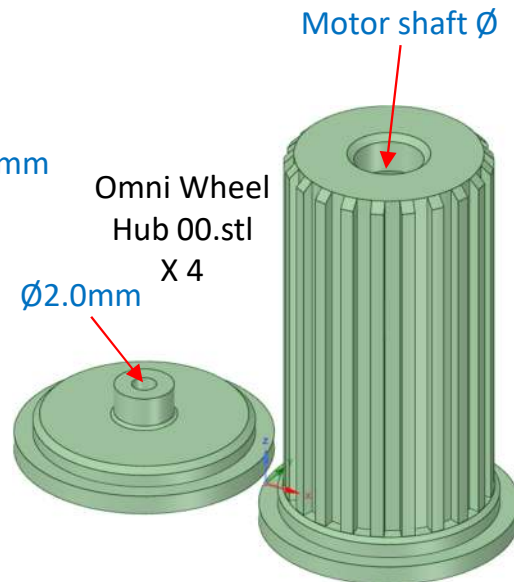
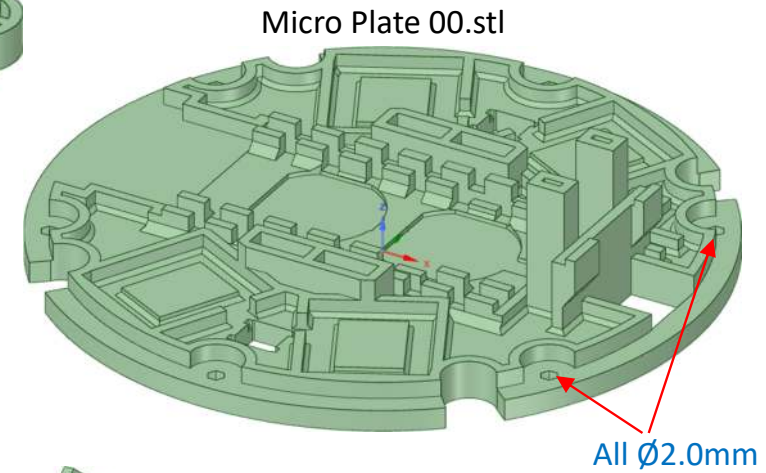
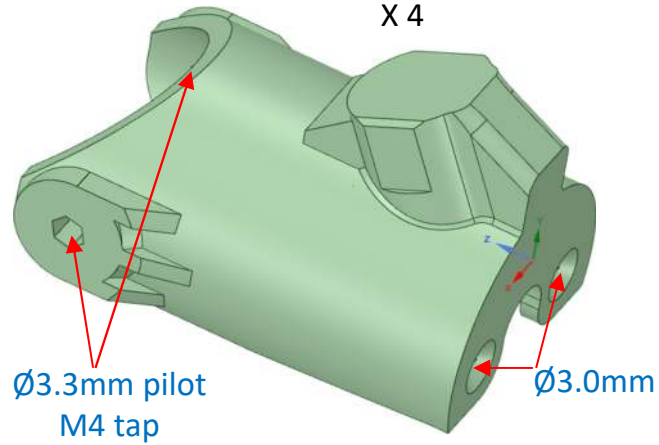
Printed Parts



This should help you identify all of the pilot drill and clearance hole sizes.



Motor Mount 00.stl
X 4



Images are not to scale