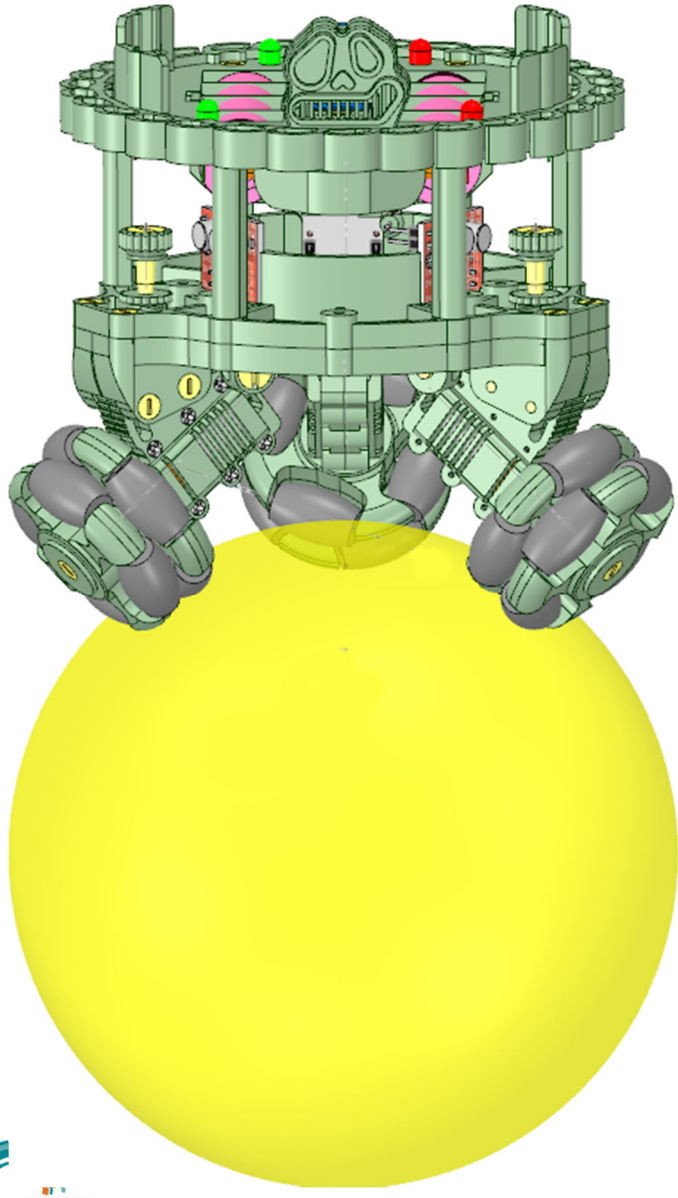
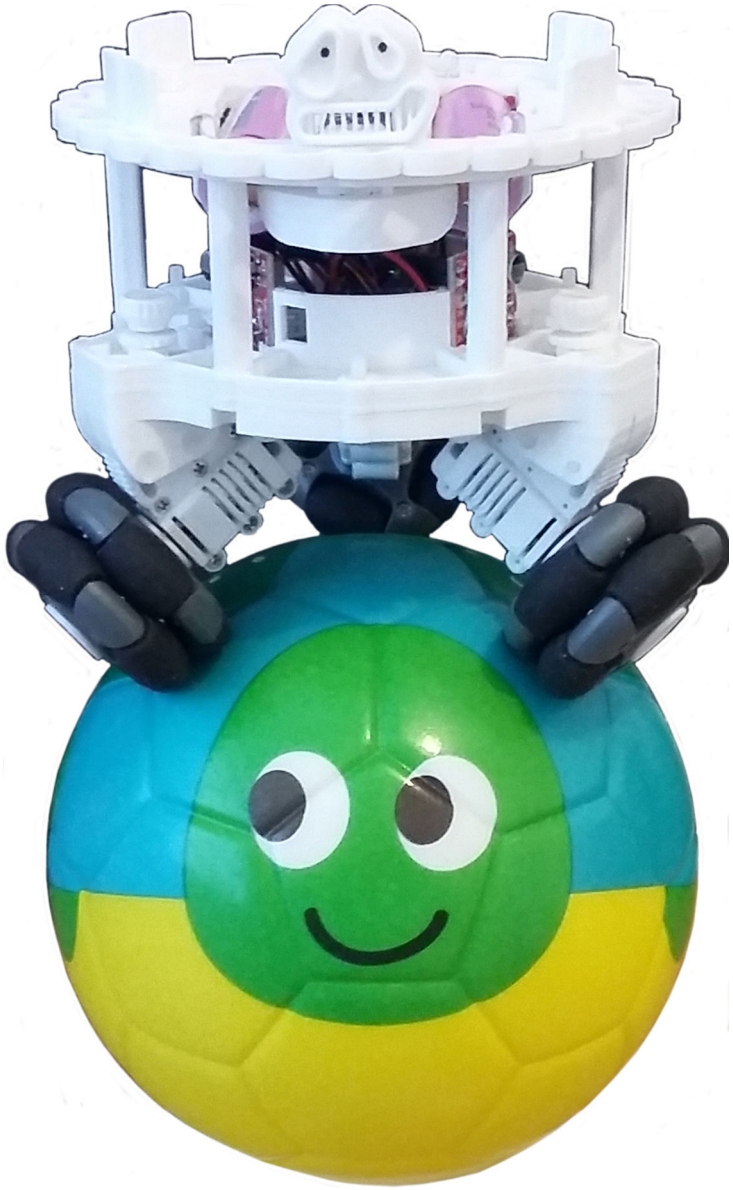
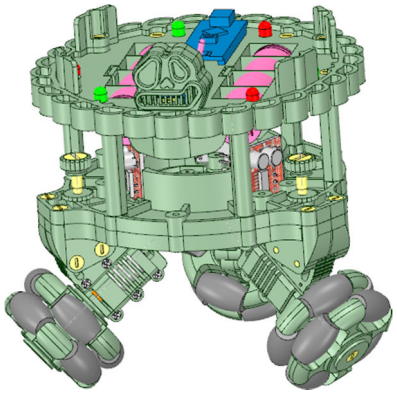
Ball Balancing Robot

3-D Parts

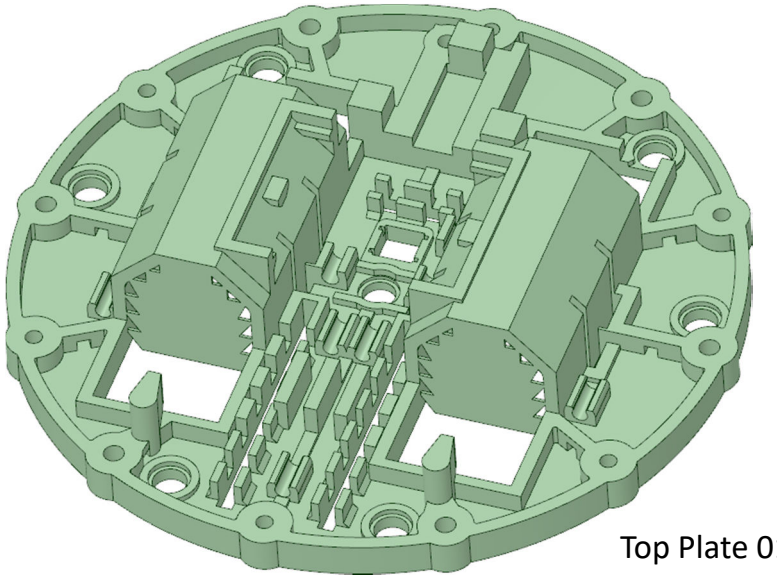




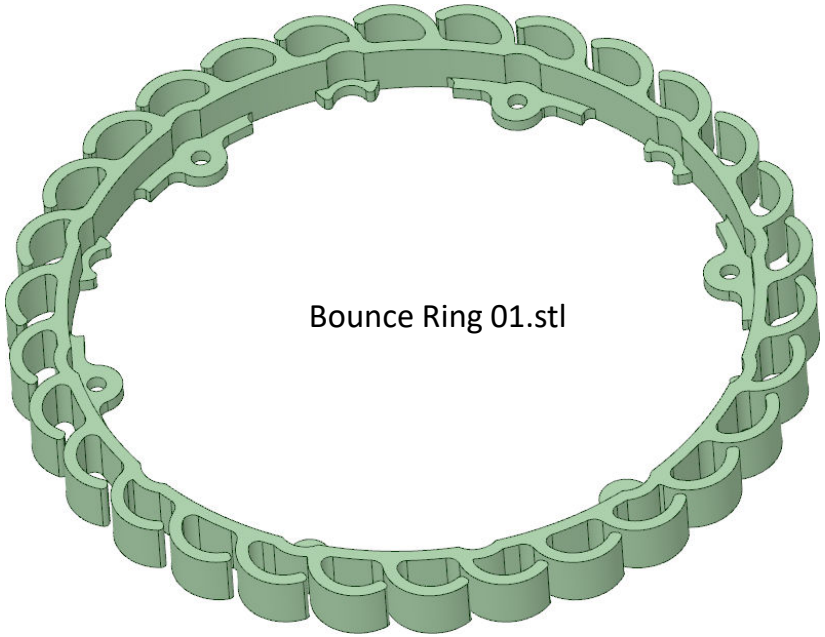
Printed Parts



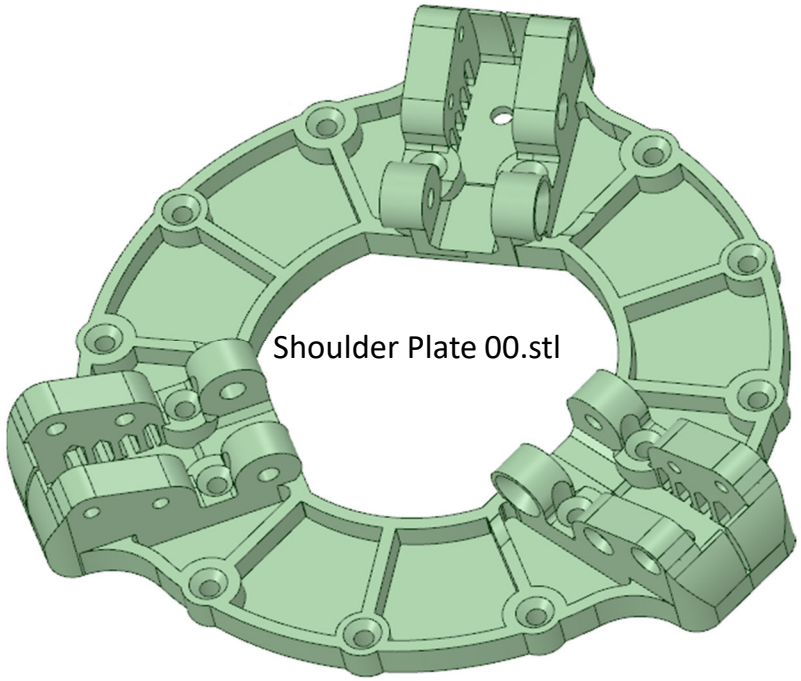
This should help you identify all of the parts needed to build the robot.



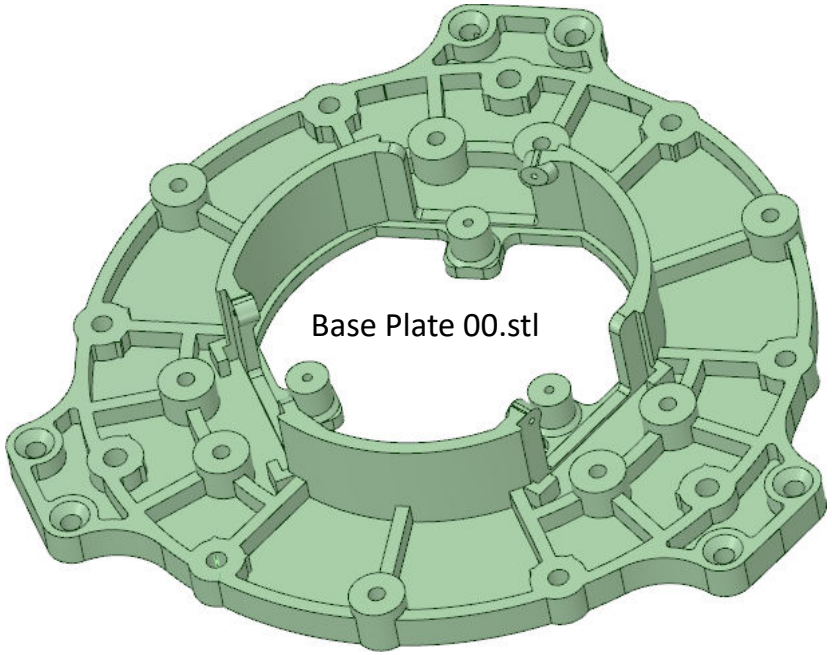
Top Plate 01.stl



Bounce Ring 01.stl

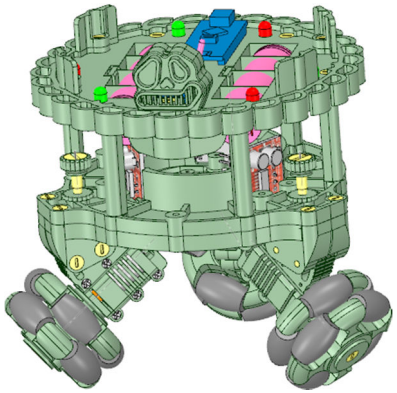


Shoulder Plate 00.stl

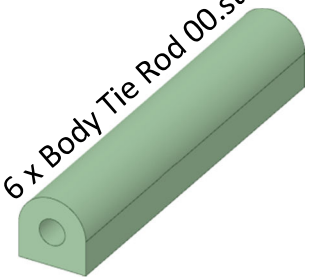


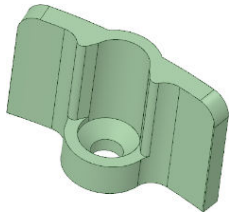
Base Plate 00.stl

Printed Parts

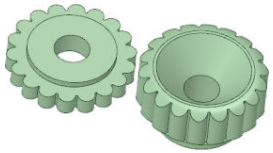


Items are not of the same scale.

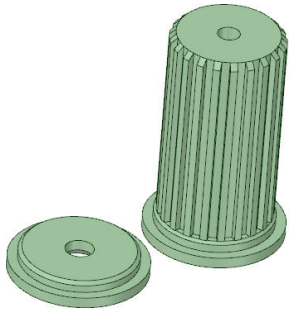




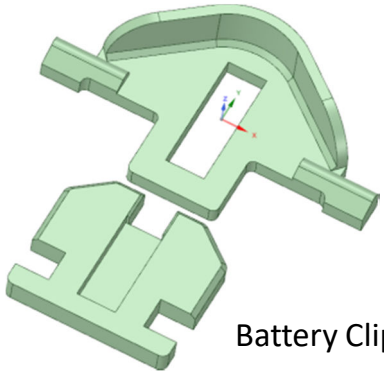
4 x Top Standoff 00.stl



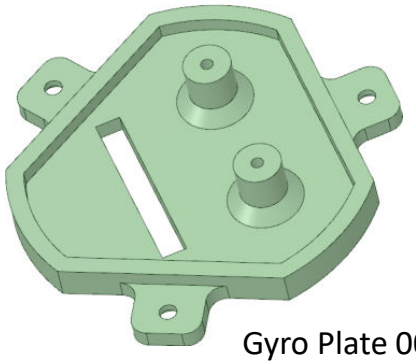
3 x Adjuster Nuts 00.stl



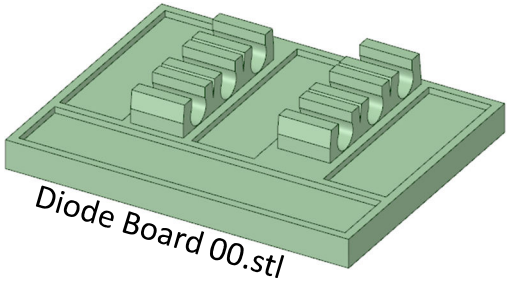
3 x Omni Wheel Shaft 01.stl

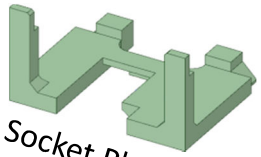


Battery Clip 00.stl

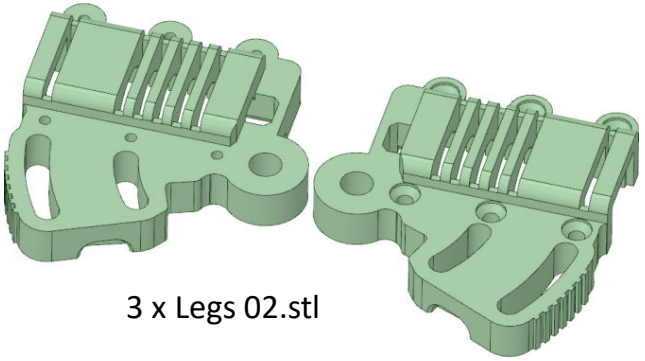


Gyro Plate 00.stl



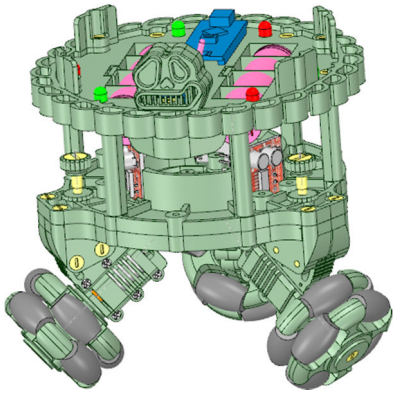


Head 00.stl

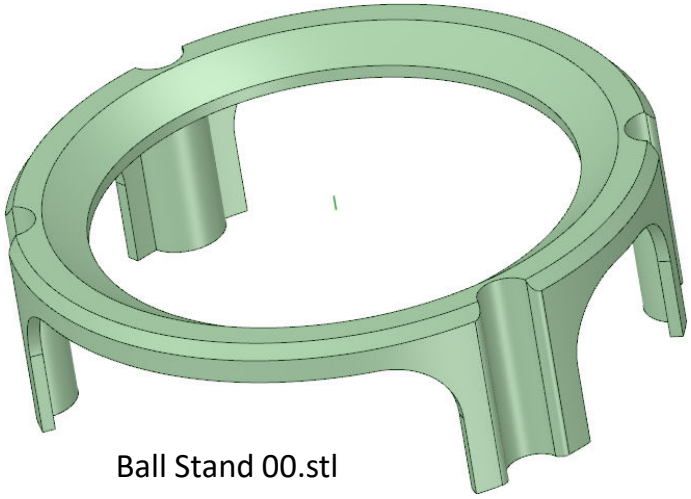


3 x Legs 02.stl

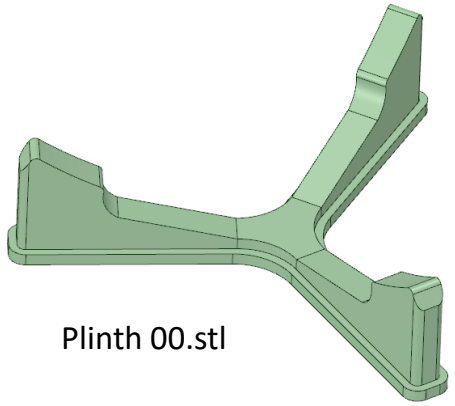
Printed Parts - Accessories



Items are not of the same scale.

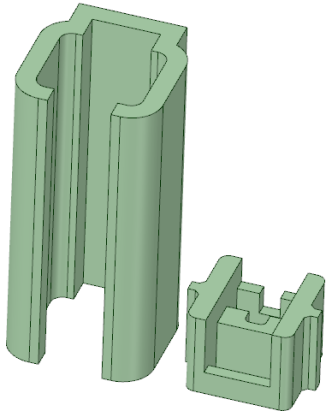


Ball Stand 00.stl



Plinth 00.stl

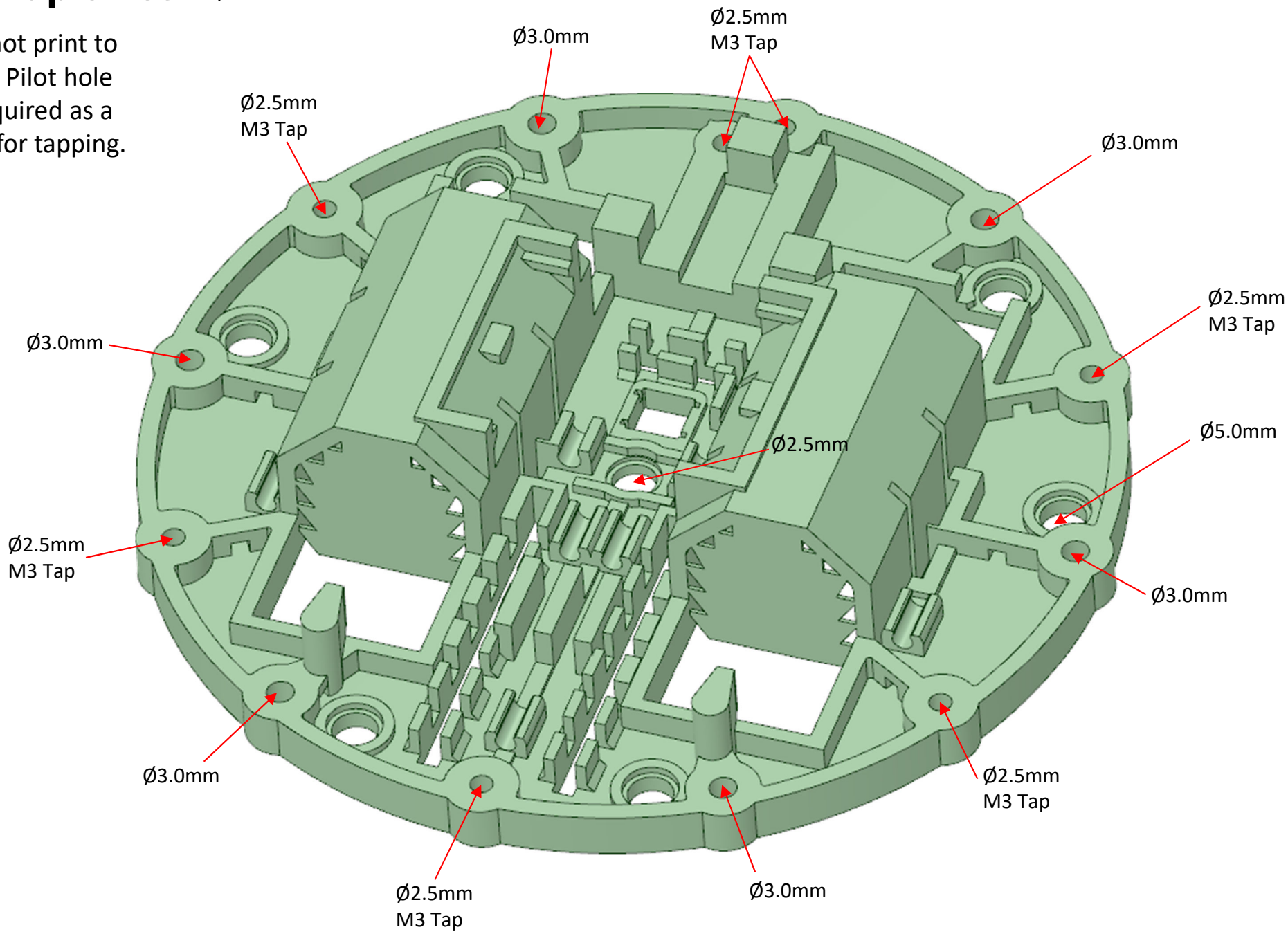
Note – for Wii Nunchuk wireless controller see Quadruped Auto project.



Motor Press 01.stl

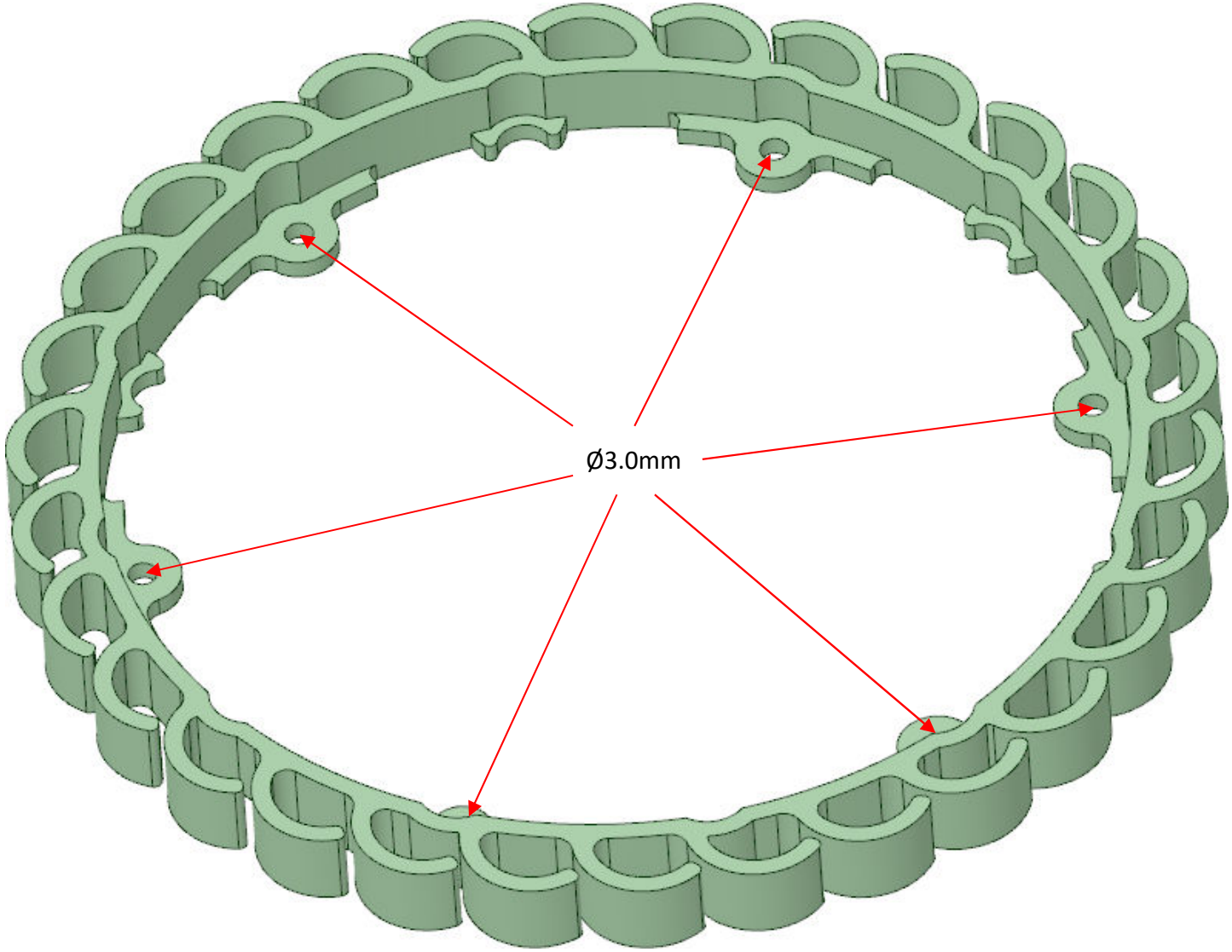
Drill & Tap Sizes Top Plate 01.stl

Holes may not print to correct size. Pilot hole sizes are required as a foundation for tapping.



Drill & Tap Sizes Bounce Ring 01.stl

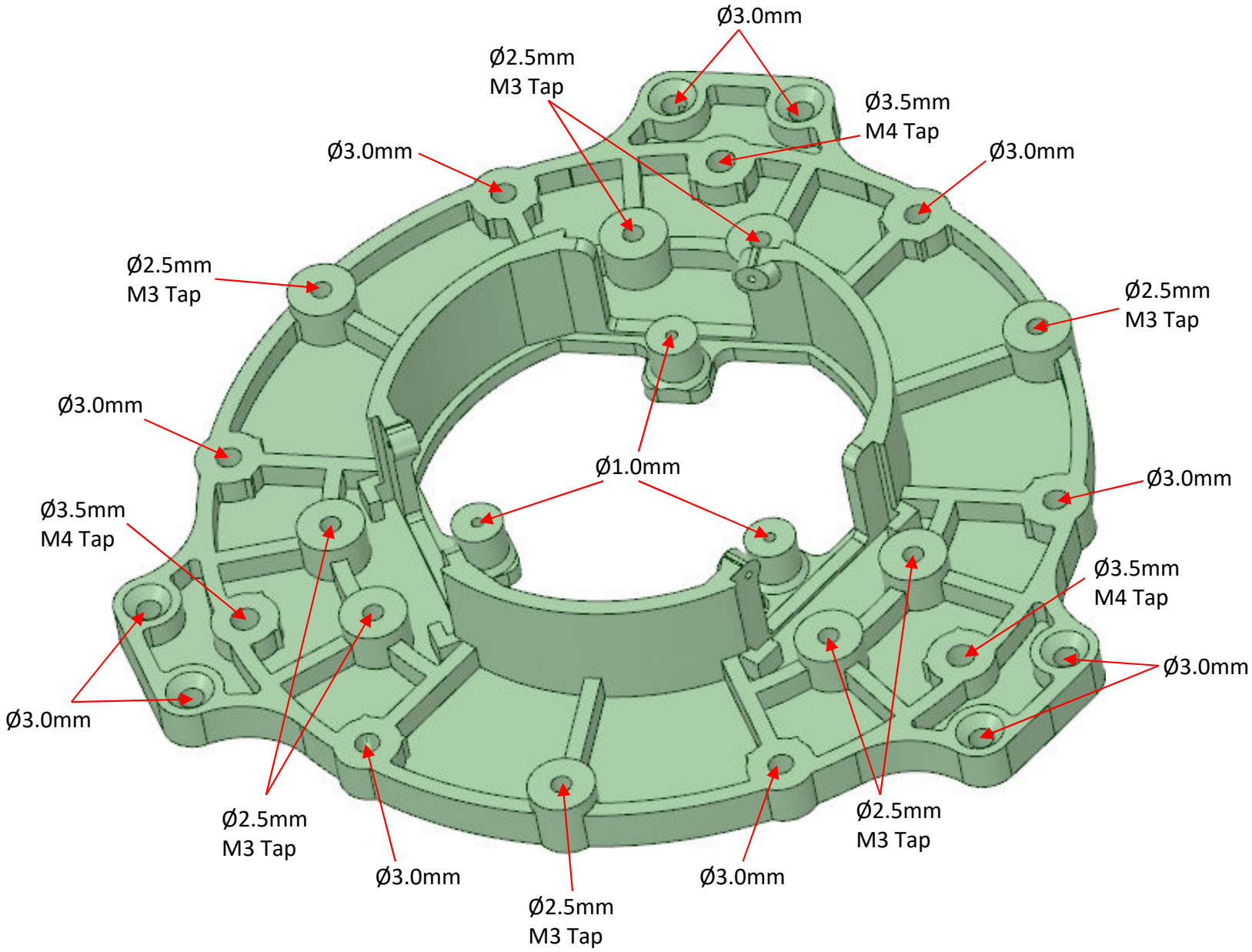
Holes may not print to correct size. Pilot hole sizes are required as a foundation for tapping.



Drill & Tap Sizes Base Plate 00.stl

Holes may not print to correct size. Pilot hole sizes are required as a foundation for tapping.

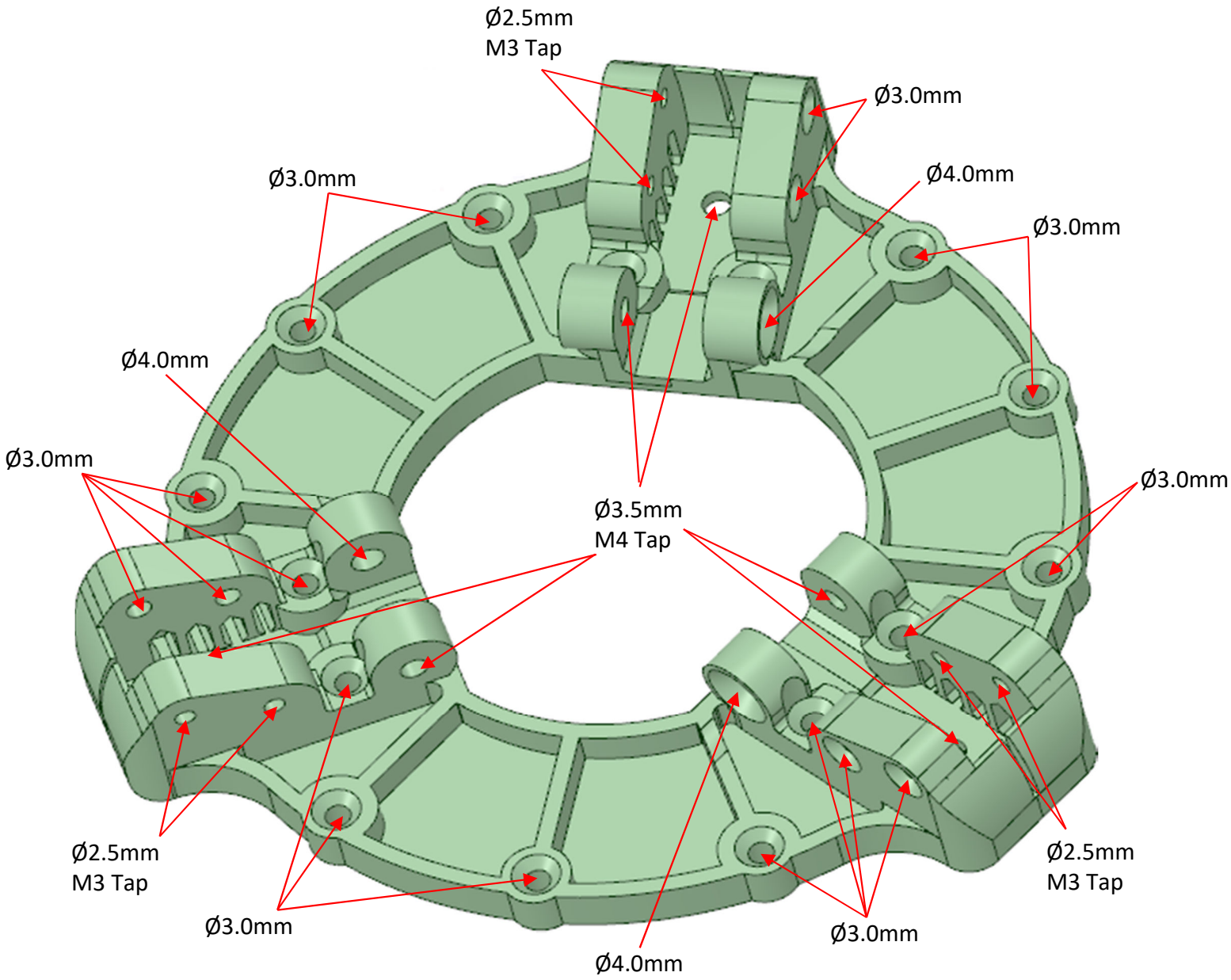
Note – it is recommended that the Base Plate and Shoulder Plate are securely connected with the M3 screws **before** tapping the M4 holes through both plates. To ensure that the threads align.



Drill & Tap Sizes Shoulder Plate 00.stl

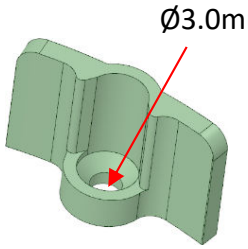
Holes may not print to correct size. Pilot hole sizes are required as a foundation for tapping.

Note – it is recommended that the Base Plate and Shoulder Plate are securely connected with the M3 screws **before** tapping the M4 holes through both plates. To ensure that the threads align.

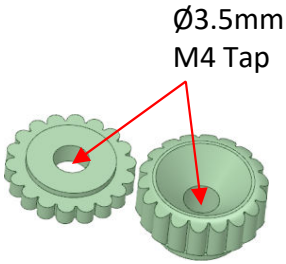


Drill & Tap Sizes

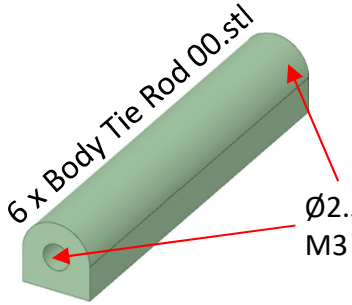
Holes may not print to correct size. Pilot hole sizes are required as a foundation for tapping.

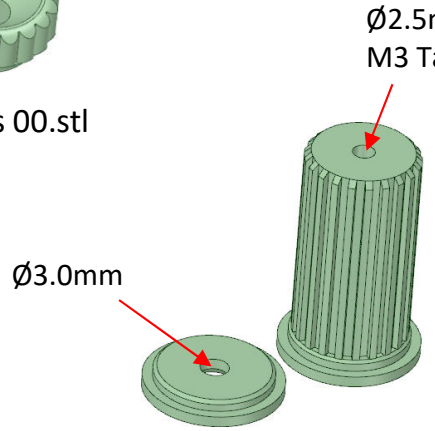


4 x Top Standoff 00.stl

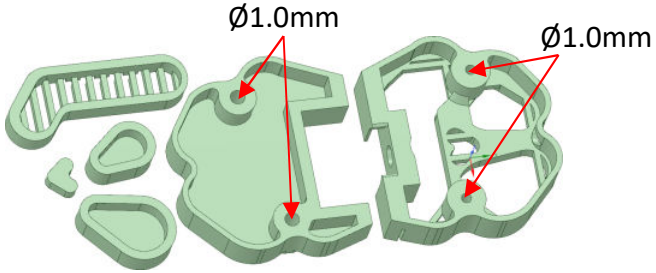


3 x Adjuster Nuts 00.stl

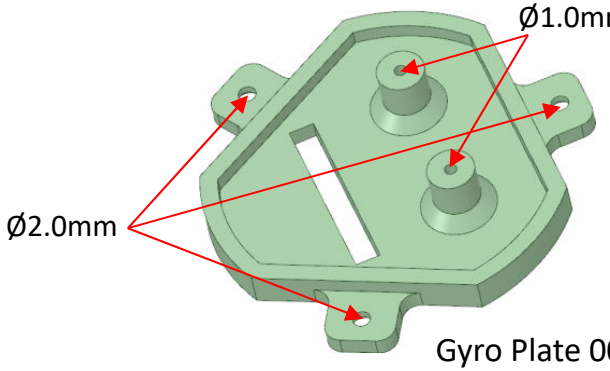




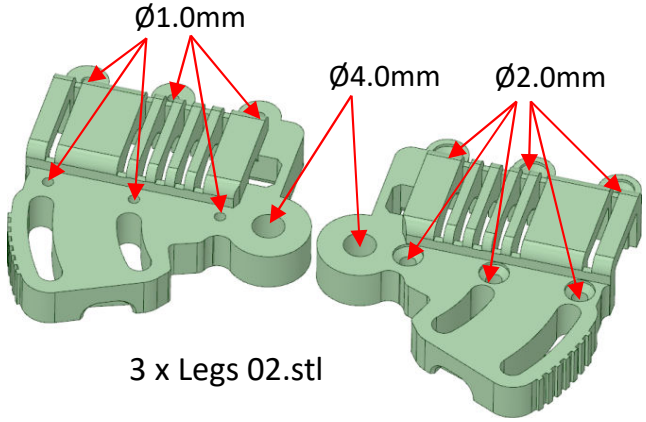
3 x Omni Wheel Shaft 01.stl



Head 00.stl



Gyro Plate 00.stl



3 x Legs 02.stl