

Pen Ball

3D PRINTING GUIDE

3D Printing Summary

| Metrics | Pen Ball Size | | |
|--------------------------------|---------------|--------|-------|
| | Small | Medium | Large |
| Total Print Time (min) | 240 | 360 | 500 |
| Total Number of Components | 2 | 2 | 2 |
| Typical Total Mass (g) | 25 | 35 | 47 |
| Typical Number of Print Setups | 1 | 1 | 1 |

3D Printing Settings

| Print File Name | Qty | Total Print Time (hr:min) | Mass (g) | Infill (%) | Support (Y/N) | Layer Height/ Nozzle Diameter (mm) | Notes (orientation, special settings, etc) |
|--|-----|---------------------------|----------|------------|---------------|------------------------------------|---|
| x_Pen_ball_y_Pen_hole.STL where "x" is the pen ball sizing and "y" is the pen hole sizing | 1 | 240-500 | 25-48 | 20 | N | 0.2/0.4 | - Print in orientation given when brought onto slicer bed |

Post-Processing

- If you notice any blobs on the side of the Braille tiles try using a blade to clean up the prints.

Customization Options

- If different sizing is required for the pen hole or palm pen diameter the sizes can be altered using the OpenSCAD file found on the GitHub "design files" folder. Access to the GitHub can be found on the project page of this device.

Examples of Quality Prints:

- Below are photos of what print quality is expected from printing this device.

