# 3D Printing Summary

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Metrics** | **Base Can Opener Only** | **With Cylindrical Handle** | **With Flat Handle** | **With Loop Handle** |
| Total Print Time (min) | 69 | 267 | 213 | 317 |
| Total Number of Components | 1 | 2 | 2 | 2 |
| Typical Total Mass (g) | 9 | 37 | 38 | 46 |
| Typical Number of Print Setups | 1 | 1 | 1 | 1 |

# 3D Printing Settings

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Print File Name** | **Qty** | **Total Print Time (hr:min)** | **Mass (g)** | **Infill (%)** | **Support** | **Layer Height/ Nozzle Diameter (mm)** | **Notes (orientation, special settings, etc.)** |
| Base\_Can\_Opener.stl | 1 | 1:09 | 9 | 20 | No Support | 0.2/0.4 | * Must have at least 2 perimeters. * Must orient on its side, so that the non-rectangular face is laying on the print bed. |
| Cylindrical\_Handle.stl | 1 | 3:19 | 28 | 20 | No Support | 0.2/0.4 | * Must have at least 2 perimeters. * Orient upright so that the hole for the handle is on the print bed. |
| Flat\_Handle.stl | 1 | 2:24 | 29 | 20 | No Support | 0.2/0.4 | * Must have at least 2 perimeters. * Must orient so that either flat side is on the print bed. |
| Loop\_Handle.stl | 1 | 4:08 | 37 | 20 | No Support | 0.2/0.4 | * Must have at least 2 perimeters. * Orient so that the handle is on its side. |

# Post-Processing

* Remove any burrs or sharp edges if needed.
* Super glue can be added to attach the can opener socket to the handle socket if desired.

# Examples of Quality Prints

