

Can Stabilizer

MAKER GUIDE

Overview

This document contains the necessary information to build a Can Stabilizer.

Contents

| | |
|----------------------------------|---|
| Overview | 1 |
| Maker Checklist..... | 2 |
| Maker To Do List | 2 |
| Items to Give to User | 2 |
| Tool List | 3 |
| Customization Guide..... | 4 |
| Aesthetics..... | 4 |
| Personalization..... | 4 |
| 3D Printing Guide | 5 |
| 3D Printing Summary | 5 |
| 3D Printing Settings..... | 5 |
| Post-Processing | 5 |
| Examples of Quality Prints | 5 |
| Assembly Guide..... | 6 |
| Testing..... | 6 |

Can Stabilizer MAKER GUIDE



Maker Checklist

This list provides an overview of the steps required to build and deliver the device.

Maker To Do List

- ☐ Read through the Assembly Guide to become familiar with required components, tools, supplies, and safety gear and overall assembly steps.
- ☐ Talk to User about customization options (e.g., color, any special requests, etc.)
- ☐ Gather tools, supplies, and safety equipment.
- ☐ 3D print the device
- ☐ Post process the 3d Print
- ☐ Test device
- ☐ Print "User Quick Guide"

Items to Give to User

- ☐ Assembled, tested device
- ☐ "User Quick Guide"

Can Stabilizer

MAKER GUIDE



Tool List

- Hobby knife (Post processing)
- Sand paper (Post processing)



Can Stabilizer

MAKER GUIDE



Customization Guide

Aesthetics

The Can Stabilizer can be printed in one or more colours. Layer switching can be used to print in multiple colors.

Personalization

The print files could be modified to include text such as a name or initials on the outside of the Can Stabilizer.

Can Stabilizer MAKER GUIDE

3D Printing Guide

3D Printing Summary

| Metrics | V3 |
|--------------------------------|-----|
| Total Print Time (min) | 152 |
| Total Number of Components | 1 |
| Typical Total Mass (g) | 52 |
| Typical Number of Print Setups | 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 |
|-------------------------|-----|---------------------------|----------|------------|--------------|-----------------------------------|-------|
| Can-Stabilizer-v3.1.stl | 1 | 2:32 | 52 | 20 | N | 0.3/0.4 | |

Post-Processing

Ensure there are no rough edges on the print.

Examples of Quality Prints



Can Stabilizer MAKER GUIDE



Assembly Guide

This device requires no assembly.

Testing

Before delivery to the user, the device should be tested by inserting the intended beverage can.