Libby Cylinder

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**Authors: Tuomas Kontola**

# **DESCRIPTION**

The 3D model was created with fusion 360 software. Model was printed in Aalto University’s Library. The price is low and they have high quality material. Price is about 7 cents /1 g.

The bottom part will be printed later after the dimensions are verified to be good.

PLA white is the plastic used. First version Model was printed with Ultimaker + printer and took 13 hours

# **GOALS AND FOCUS**

Goal is to make a prototype case for Libby. This is for demonstration purposes. It also helps us design the box further.

# **APPROACH**

3D printing is the best way to make a usable case for testing.

# **SPECIFICATION**

Dimensions of the box are:

Height: 7.5 cm

Outside diameter: 13 cm

Inside diameter: 12.7 cm

Wall thickness: 0.3 cm

Top thickness: 0.25 cm

Grid diameter: 8 cm

Wire hole diameter: 1.5 cm

Sensor hole dimensions: 2 cm\*1.1 cm

# **ISSUES**

First version of the case was too small because the length of the USB connectors and power were too small for the case.

