



## Sorting Hat Bottle Opener - Euro version



Celta

[VIEW IN BROWSER](#)

updated 29. 3. 2022 | published 29. 3. 2022

### Summary

Harry Potter-inspired bottle opener



2.43 hrs



1 pcs



0.20 mm



0.40 mm



PLA



24 g



Prusa  
MK3S/S+ &  
MMU2S

[Household](#) > [Kitchen](#)

Tags: [harrypotter](#) [bottlecap](#) [bottleopener](#) [sortinghat](#)

I really liked [toddanglin design](#) but sadly I didn't have any pennies (USD) laying around since I'm from Europe, but what I did have was Euro coins, so I started working on it.

First things first, I started by looking at the penny (USD) dimensions to see what Euro coin would best match it or have approximate dimensions.

Penny (USD): 19.05mm x 1.52mm

2 cent (EUR): 18.75mm x 1.75mm

Then I adjusted the hole dimensions to fit the 2 cent coin et voila!

A Sorting Hat Bottle Opener for Hogwarts alumni that uses Euro coins.

### **From the original design description, ipsis verbis**

For the Harry Potter fan in your life, a Sorting Hat inspired bottle opener.

“SLYTHERIN!”

### **Print Instructions**

Opening a bottle puts lots of strain on the print, so use stronger settings than usual to avoid tearing the print apart the first time you use it. (Ask me how I know...)

Suggested settings with PLA:

- At least 25% infill with gyroid or cubic pattern (not unreasonable to use 100% infill for this application)
- 0.2 mm or better layer height
- 6 top/bottom solid layers
- 4 shells/walls

**NOTE:** This is designed as a 2 color print. You will need to either manually change filaments, use a multi-material printer (like MMU), or a dual-nozzle printer.

When slicing, add a **pause** just before the coin slot is covered so you can insert a 2 cent coin (EUR). The coin will be permanently encased in the print (no glue required).

As pictured, using both black and brown PLA at 50% gyroid infill with 0.2mm layer height. Sliced in PrusaSlicer and printed on Prusa MK3S+/MMU2S (single extruder multi-material).

### **Credits**

Sorting Hat Bottle Opener by [toddanglin](#)

## **This remix is based on**



**Sorting Hat Bottle Opener**

by [toddanglin](#)

# Model files



**sorting-hat-bottle-opener.3mf**

☐ Euro coin version

# Print files



**sorting\_hat\_bottle\_opener\_02mm\_pla\_mk3smmu2s\_2h26m.gcode**

PLA 0.40 mm 0.20 mm 2.43 hrs 24 g Prusa MK3S/S+ & MMU2S

# License

This work is licensed under a  
[Creative Commons \(4.0 International License\)](#)



**Attribution—Noncommercial—Share Alike**

- 
- ✗ | Sharing without ATTRIBUTION
  - ✓ | Remix Culture allowed
  - ✗ | Commercial Use
  - ✗ | Free Cultural Works
  - ✗ | Meets Open Definition