



Hermione's Time Turner - with print in place rings



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Summary

Time Turner from Harry Potter with print in place rings & hourglass printed in 2 halves



4.54 hrs



3 pcs



0.07 mm



0.40 mm



PLA



15 g



Prusa MINI /
MINI+

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[hermionegranger](#)

Time Turner with print in place mechanism

For printing, I used Prusa Mini and print my original model 125% oversized.

- Rings
 - gold PLA filament
 - support below the handlers
 - 100% infill

- Inner disk
 - gold PLA filament
 - 70% infill
- Hourglass
 - transparent PLA filament
 - split in 2 halves, each half printed separately, to avoid stringing
 - with a large brim
 - 100% infill - you could also print 1 half with 0% infill so once assembled, one looks empty and the other looks filled with sand.

Assembly:

1. Glue the 2 parts of the hourglass together
2. Insert the hourglass in the disk
3. Snap the disk in the inner ring - you can add glue to avoid the disk to spin inside the ring.
4. Once all in place you can also glue the hourglass to the disk to avoid it moving around

The only additional part needed is a chain to complete the necklace.

Model files



timeturner-125-rings-and-disk.3mf



timeturner-125-half-hourglass.3mf

📄 2 be printed 2 times

Print files



timeturner-125-rings-and-disk_007mm_pla_mini_1h33m.gcode

🌀 PLA 📏 0.40 mm 📐 0.07 mm ⌚ 1.56 hrs ⚖️ 9 g 🖨️ Prusa MINI / MINI+



timeturner-125-half-hourglass_007mm_pla_mini_1h30m.gcode

PLA 0.40 mm 0.07 mm 1.49 hrs 3 g Prusa MINI / MINI+



timeturner-125-half-hourglass_007mm_pla_mini_1h30m.gcode

PLA 0.40 mm 0.07 mm 1.49 hrs 3 g Prusa MINI / MINI+

Exact same as the other half. Added here so you have total print time

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