



Clock X



Seabird HH

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updated 7. 4. 2023 | published 7. 4. 2023

Summary

Clock X. A clock with a reduced dial, consisting of a single stl file, simple to print and in two versions.

[Household](#) > [Home Decor](#)

Tags: [clock](#) [wallmounted](#) [standing](#)

The clock can be used wall-mounted or standing. In case you want to run it as a standing clock ... there are two different stands available

Dimensions:

Ø 205 x 24mm

Supplies:

You can find the movement with the red hands here:

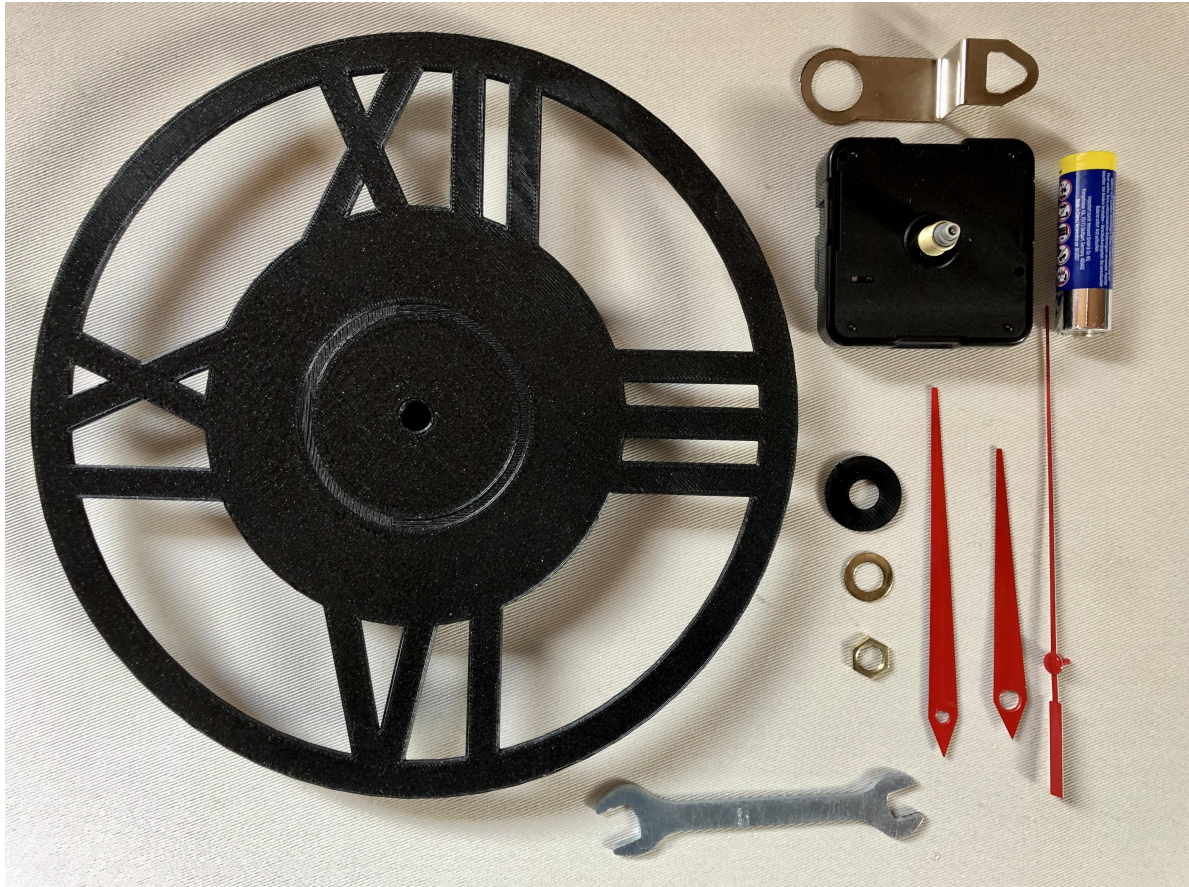
https://www.amazon.de/gp/product/B08LQDR348/ref=ppx_yo_dt_b_asin_title_o00_s00?ie=UTF8&th=1

It includes 2 movements and 3 sets of hands. I chose the red clock hands because they have a suitable size and stand out quite well against the black dial.

There are also white hands in this set, which stand out even better against the black dial. However, they are too long and would have to be shortened.

The two movements have different shaft lengths. For this clock, the movement with the short shaft length (16 mm) should be used.

For the installation you need a small spanner (10mm).



1. Printing

To prevent the printing from coming off the plate (warping), I cleaned it with water and isopropyl alcohol first and then sprayed it with 3DLAC.

It was the maximum Ø size my Prusa Mk3s printer could print!

Print Settings:

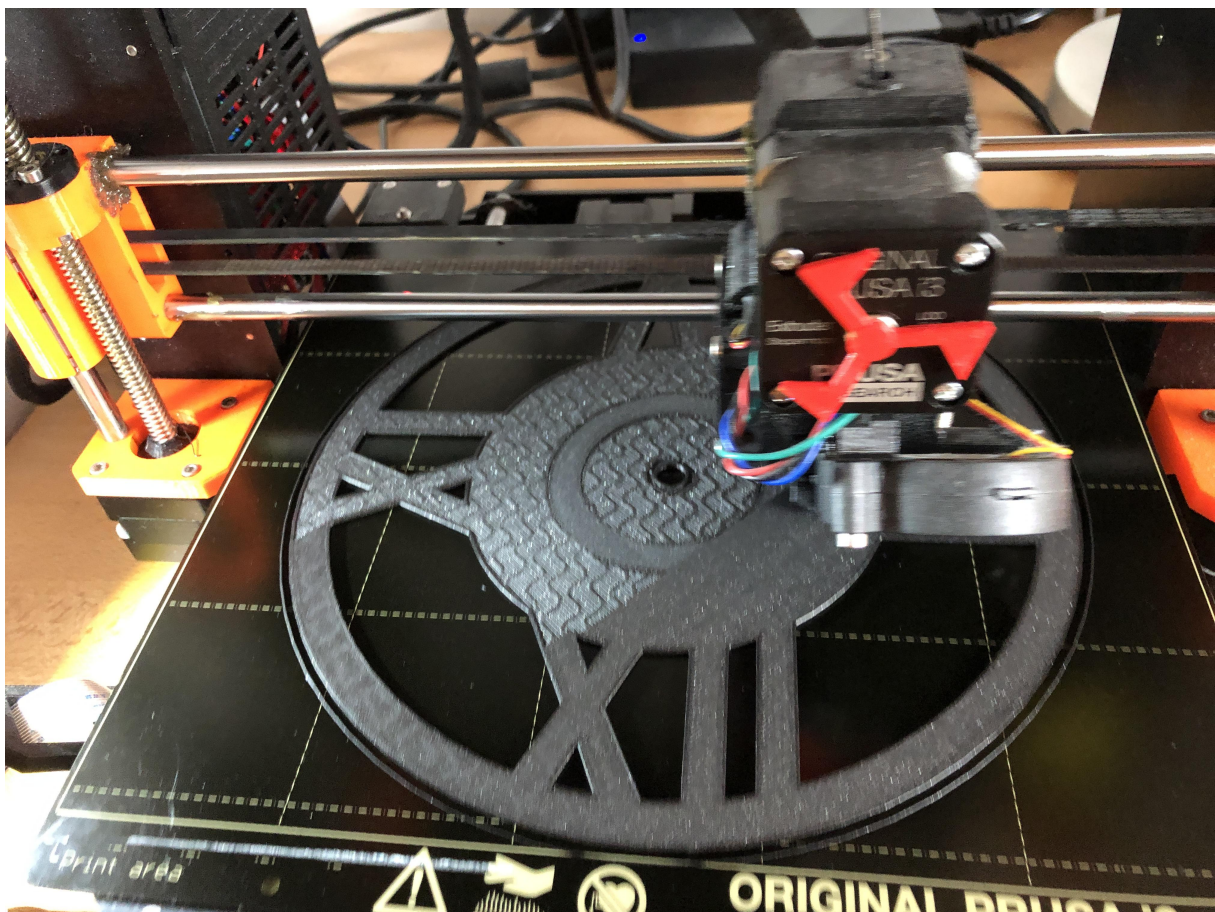
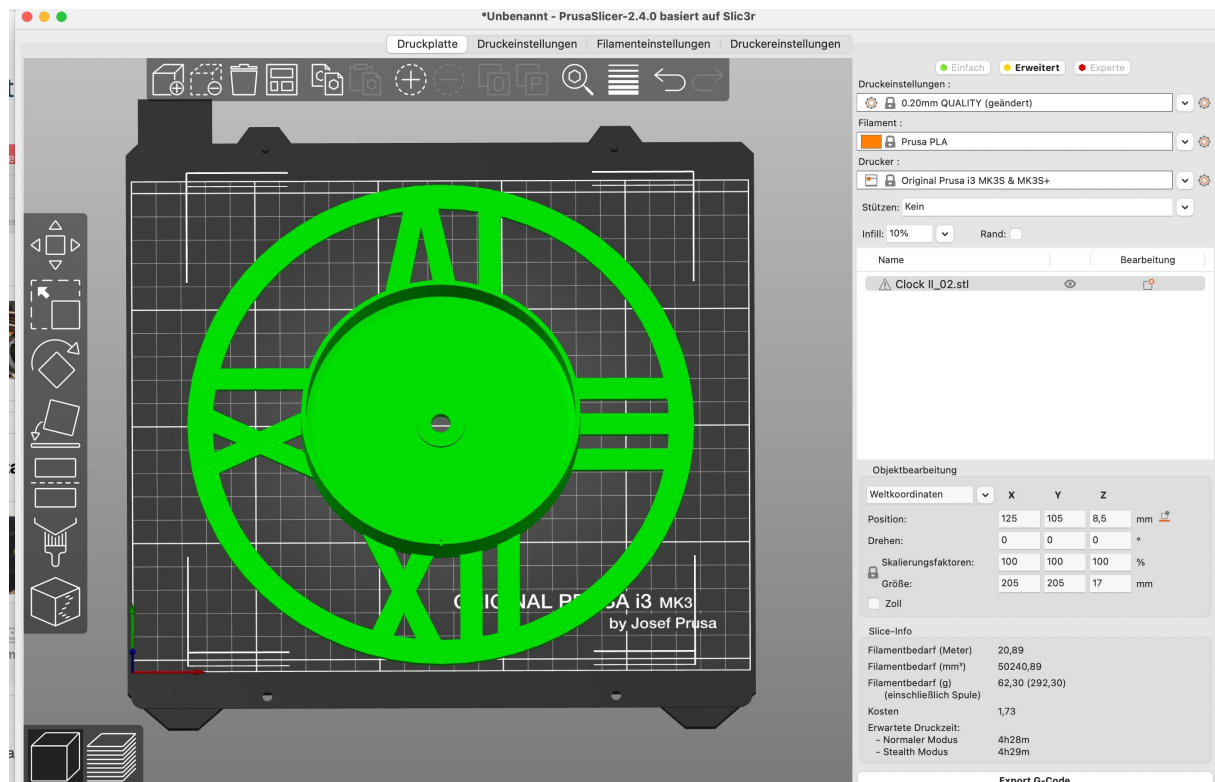
- Printer brand: Prusa
- Printer: i3 MK3S
- Supports: No
- Resolution: 0,2
- Infill: 10%
- Filament brand: Prusa
- Filament color: Galaxy Black

- Filament material: PLA

Printing time with 0.2mm layer height and 10% infill

- Clock X_dial_noText.stl about 4h 30min

Remark: As all parts are designed to fit very precisely, it may happen that you have to rework one or the other part a bit with sandpaper and/or cutter due to different dimensional accuracy of the printers and the different behavior of the filaments.



2. Installation Clockwork

Proceed as follows:

- insert the "hook"

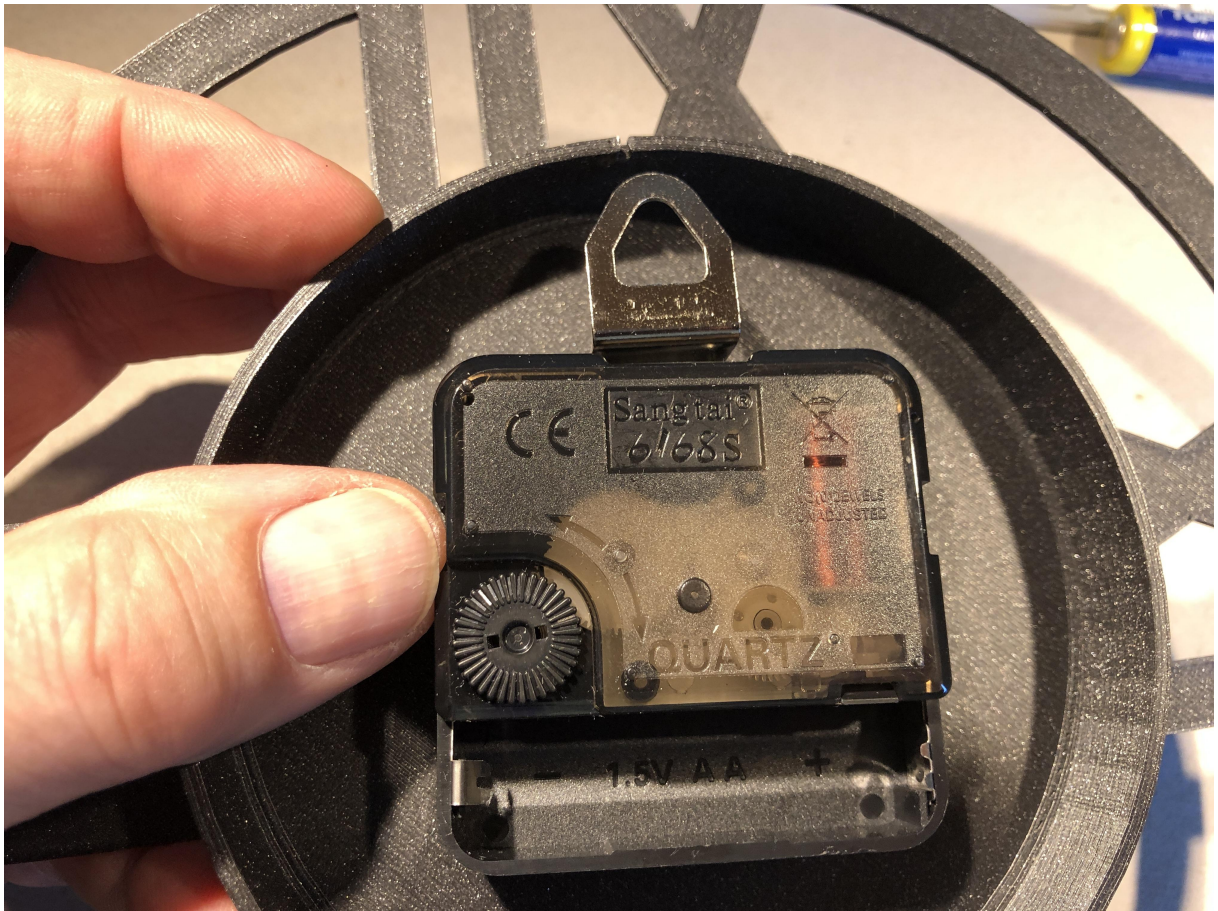
- put the plastic washer on it (it should prevent the clockwork from rotating)
- insert the thread of the movement through the hole in the case from behind
- insert the included washer and screw the nut onto the thread.
- tighten the nut with a spanner (10mm). Align the movement at the same time!
- insert the hour hand
- then the minute hand
- and finally the second hand

Insert a battery (AA 1.5V) and align the movement if necessary.

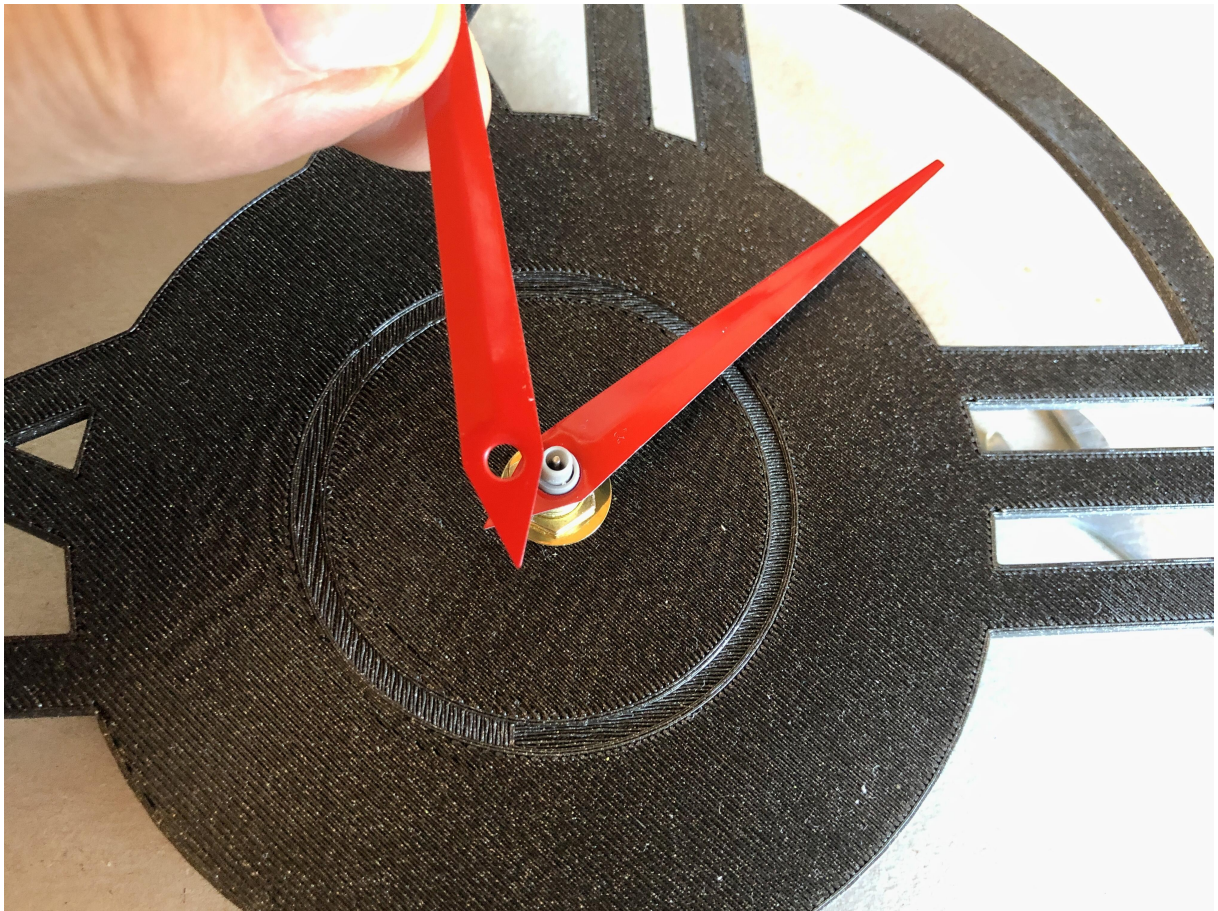
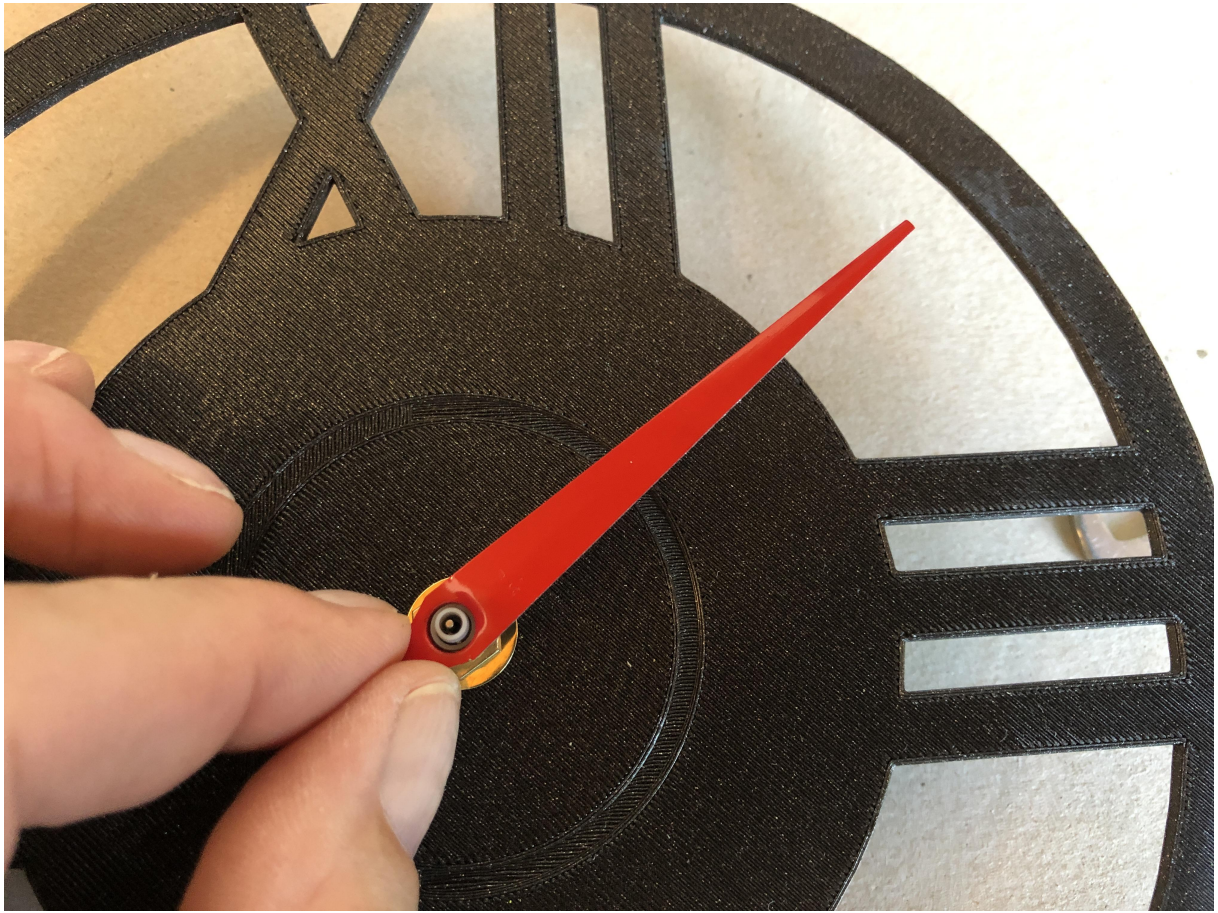
Let the hands turn and check that they pass each other at the right height.

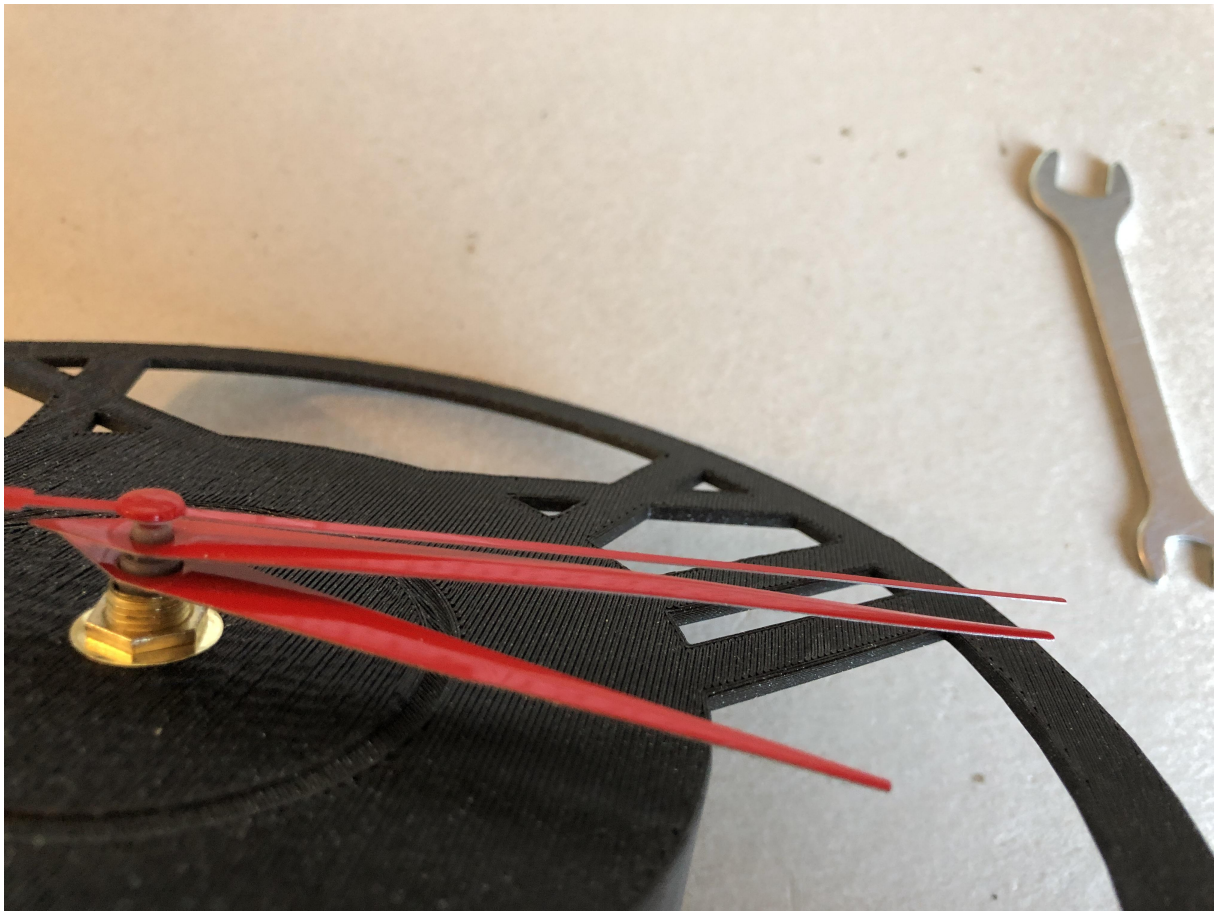
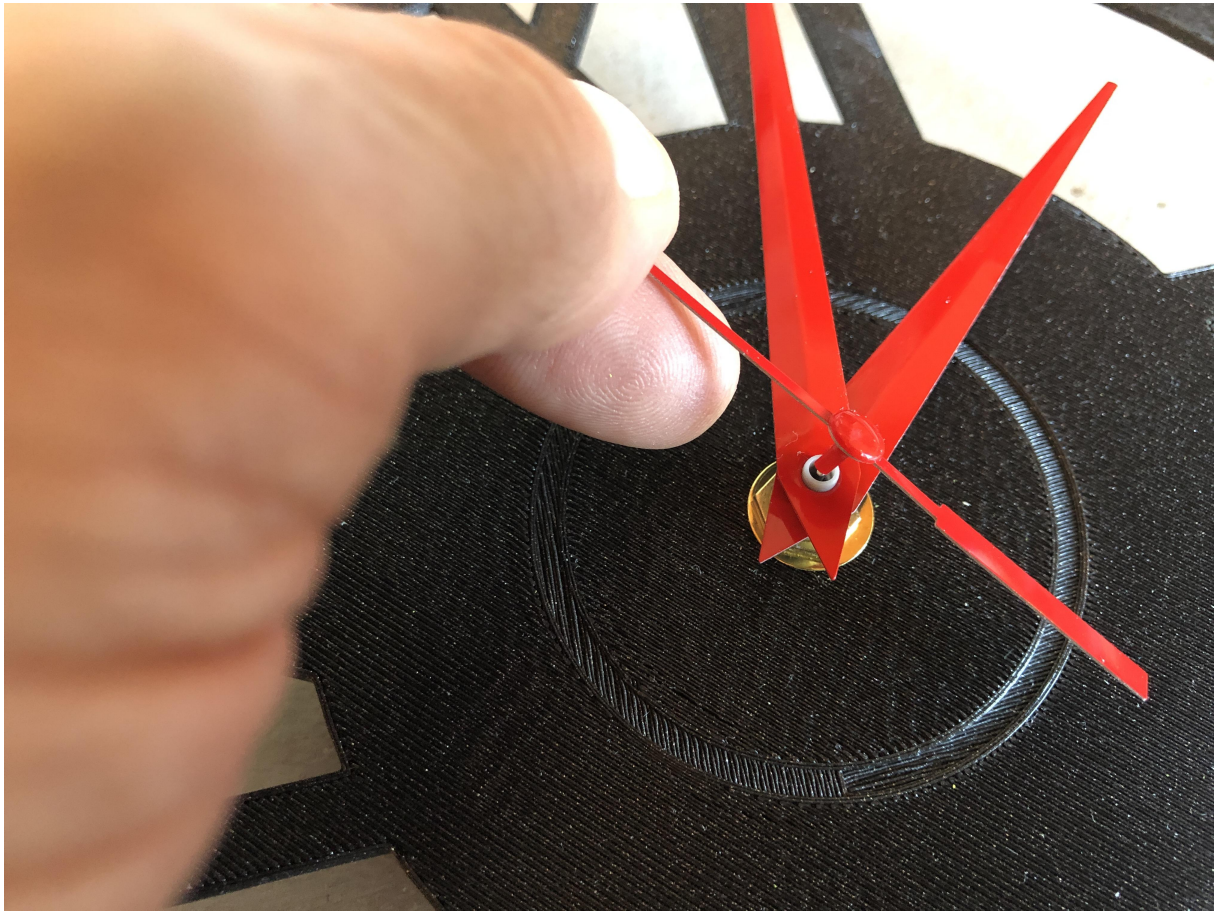
If they touch, you have to "bend" them carefully into the right position.









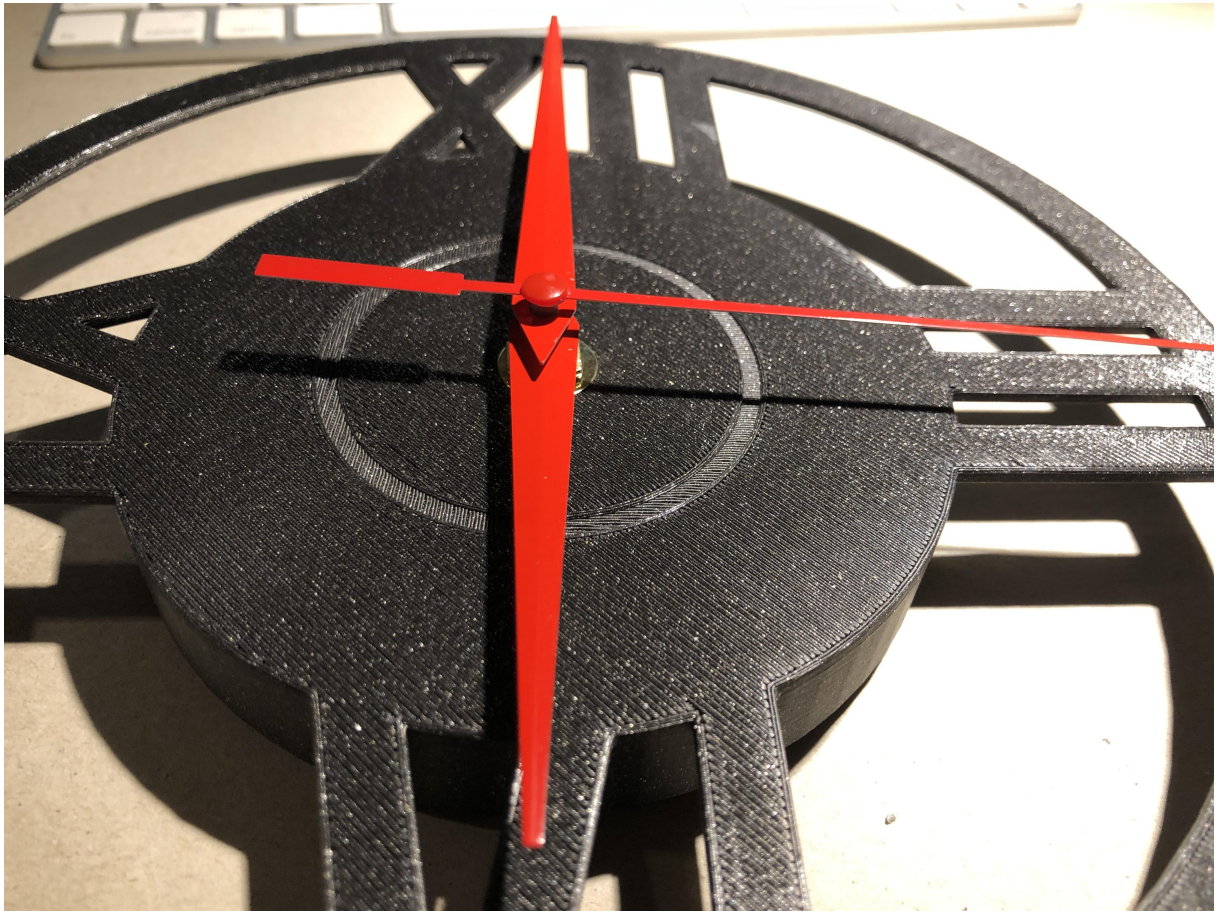


3. Set the clock

To set the clock, it is best to set the hands to point six o'clock so that both hands form a straight line. Then set the exact time by moving the minute hand only. The hour hand moves automatically.

Done!

Now you just have to find a suitable place to hang it up. A small nail in the wall will do.



4. Print a stand

With the help of a small stand, it can also be used as a stand clock.

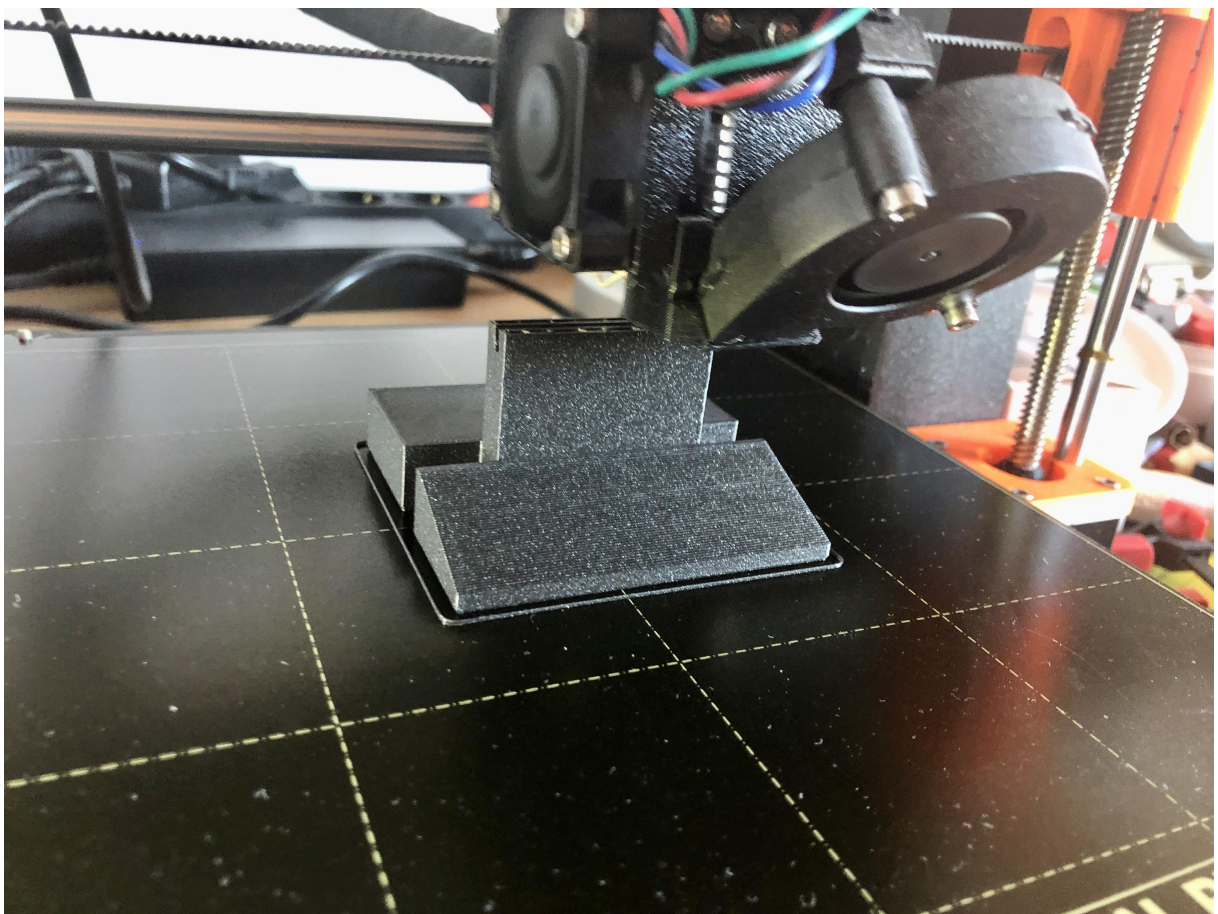
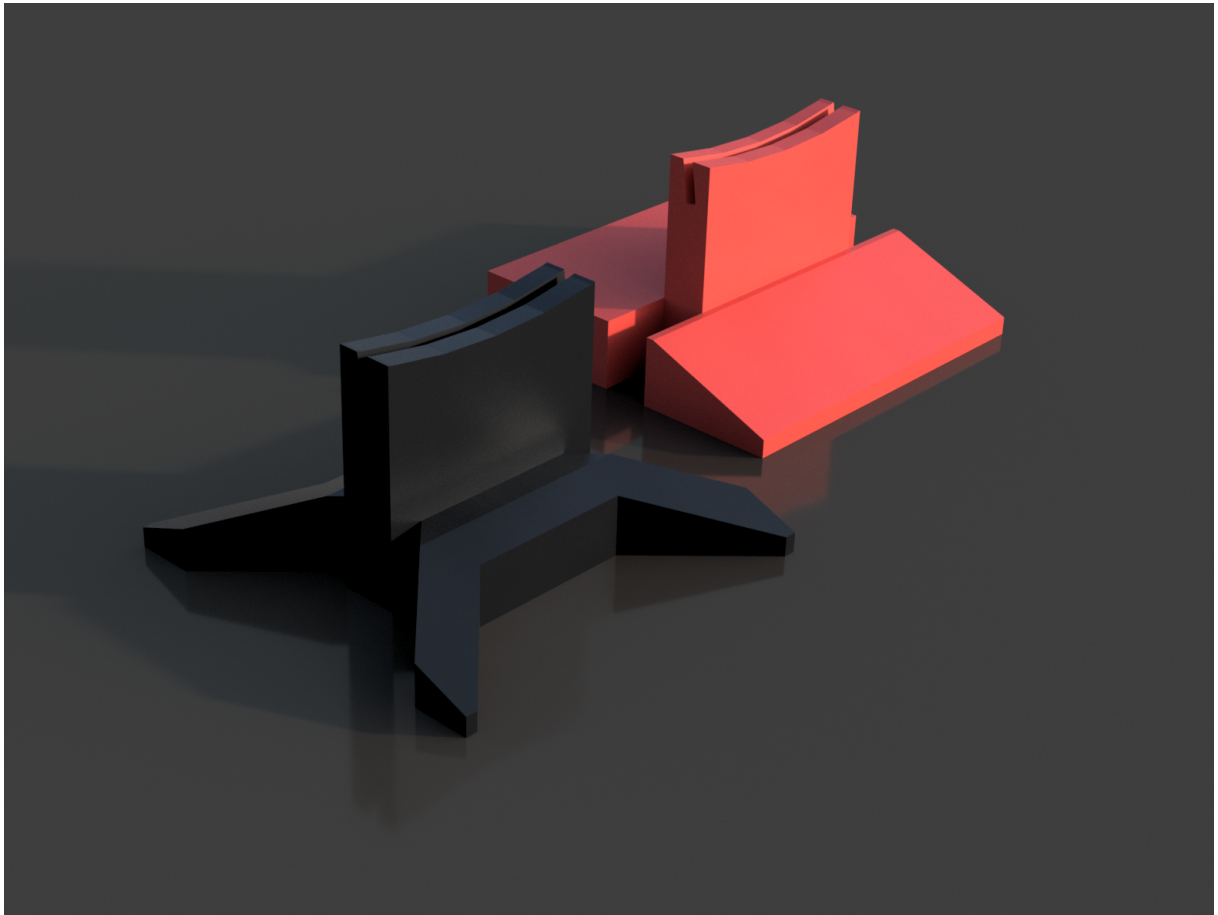
There are 2 stands to choose from. I could not decide which one was a more convenient fit.

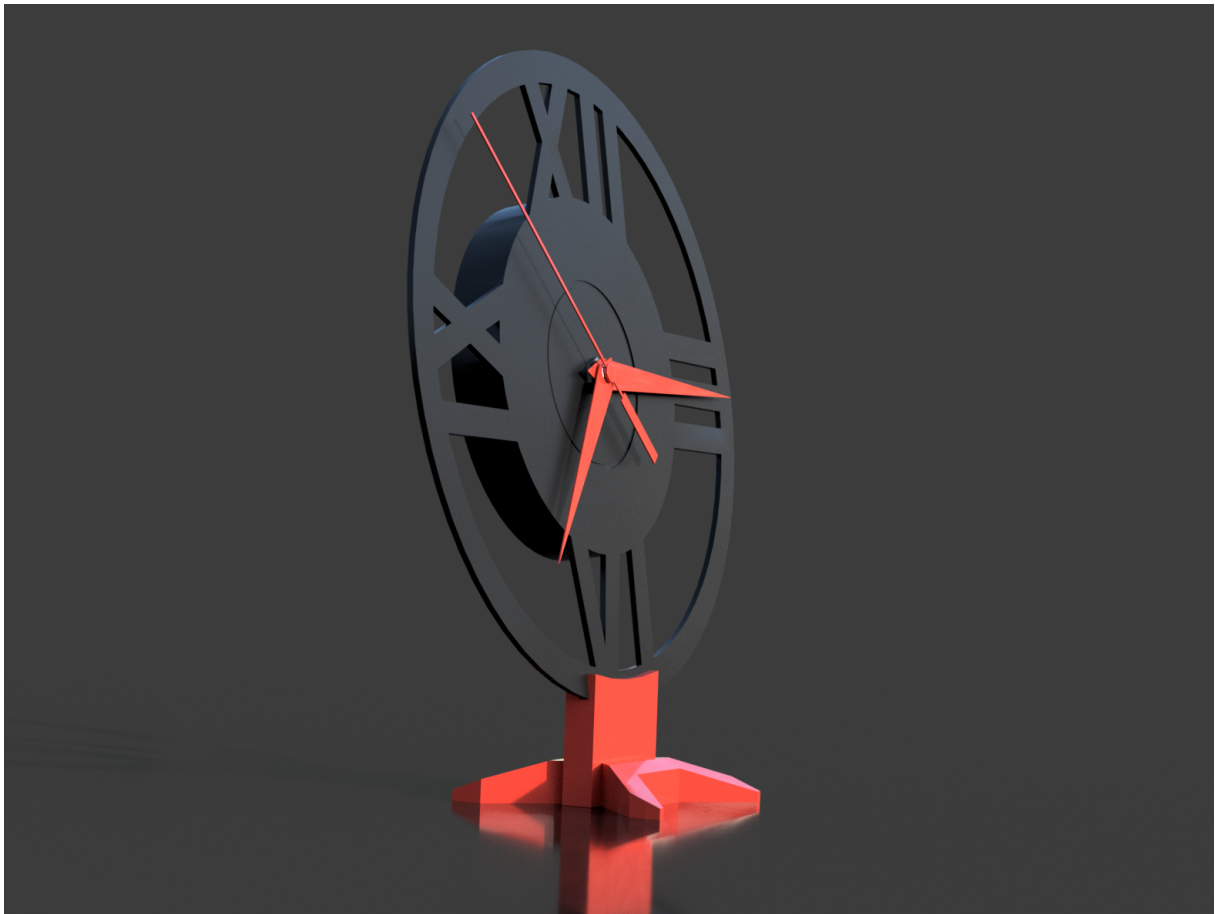
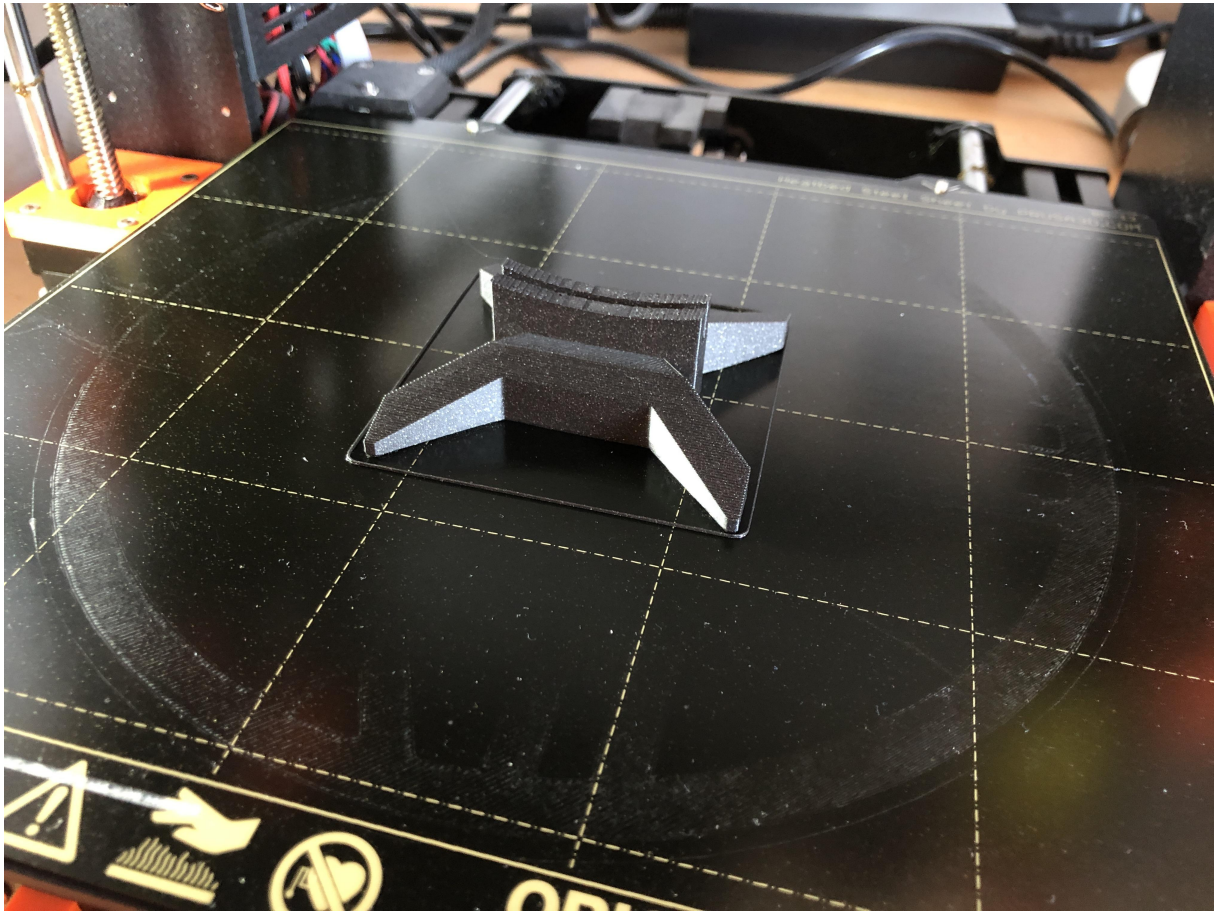
Each stand has a slot into which the outer ring of the clock face can be inserted. Gluing is not necessary.

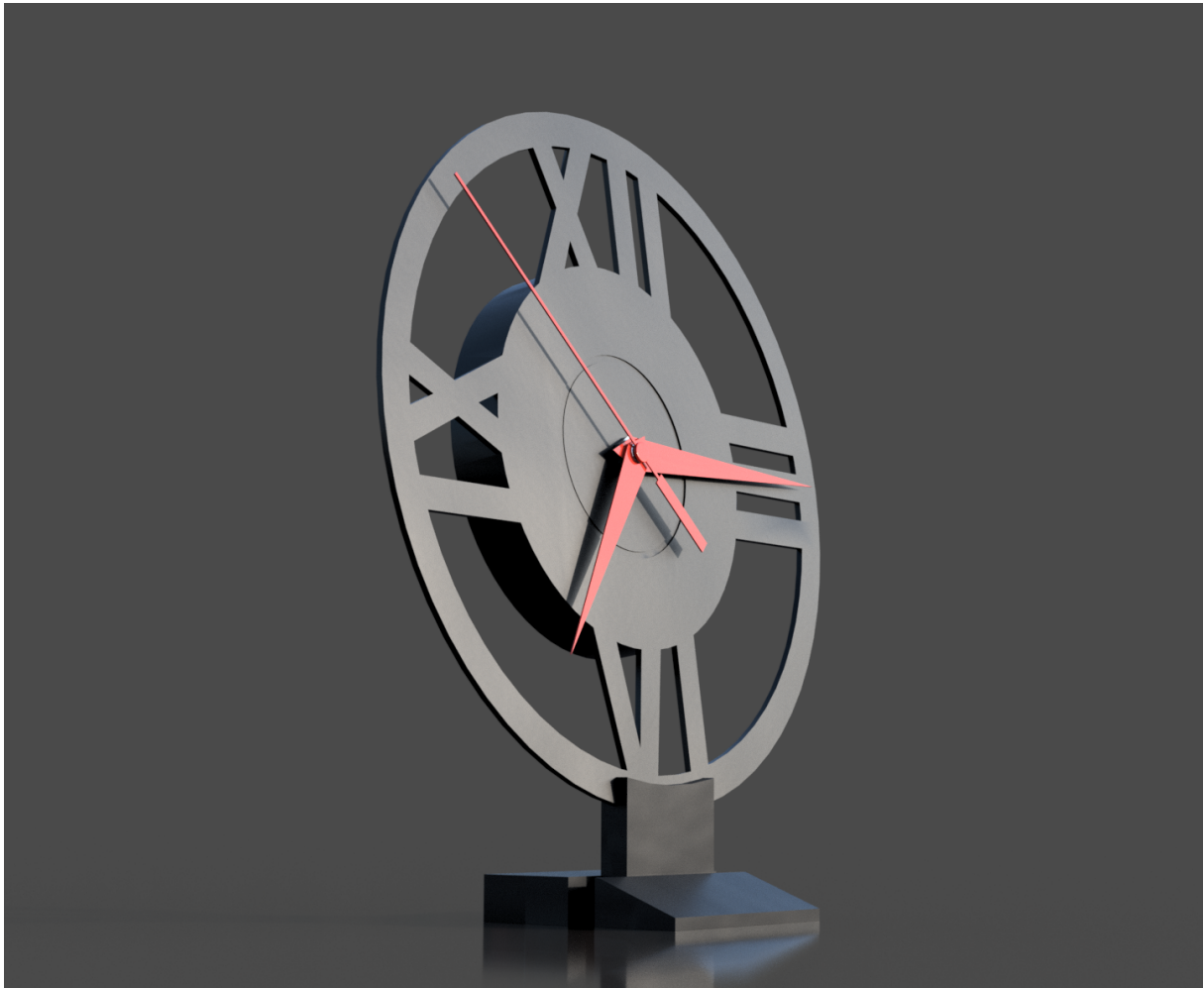
In these stands, the dial is slightly inclined backwards.

Printing time with 0.2mm layer height and 10% infill:

- stand_1.stl about 2h
- stand_2.stl about 1h 30min



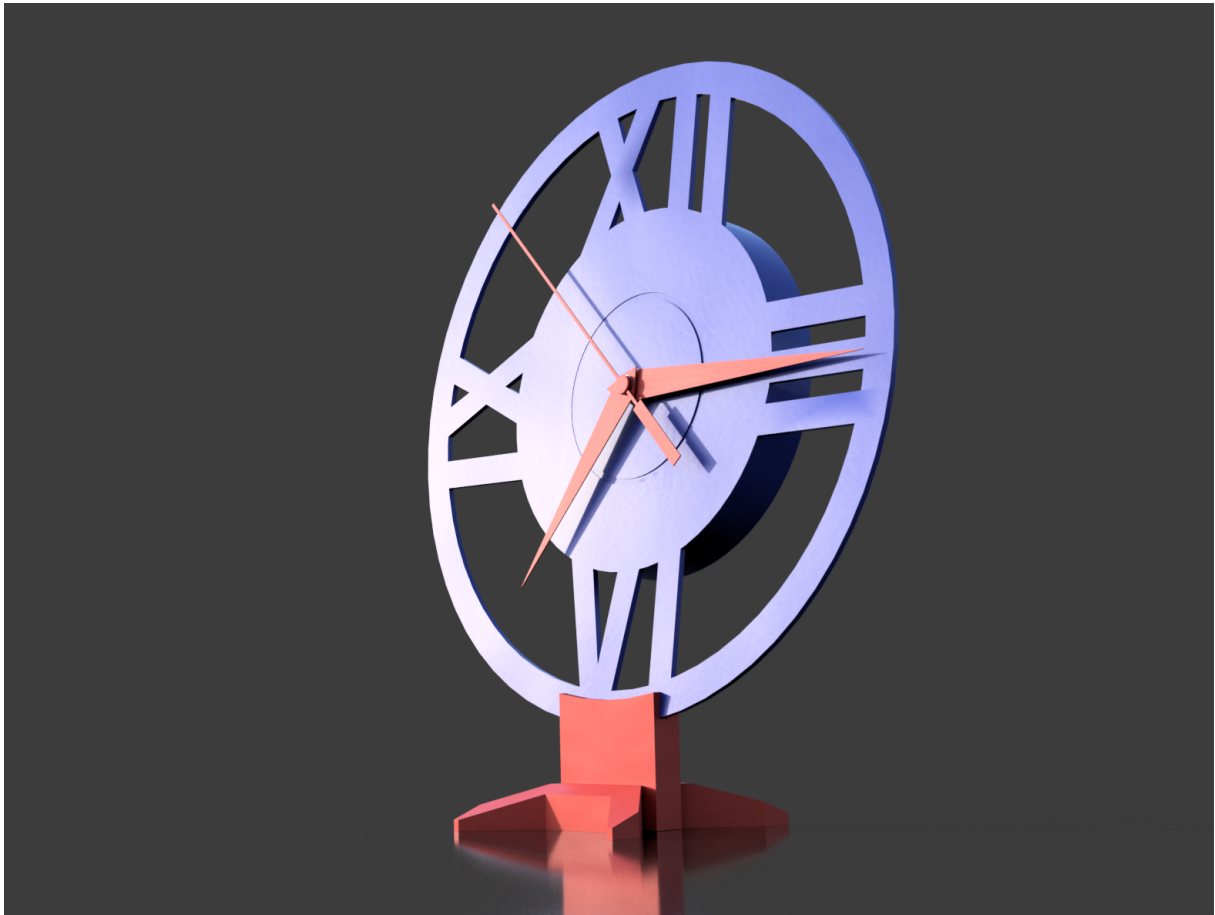
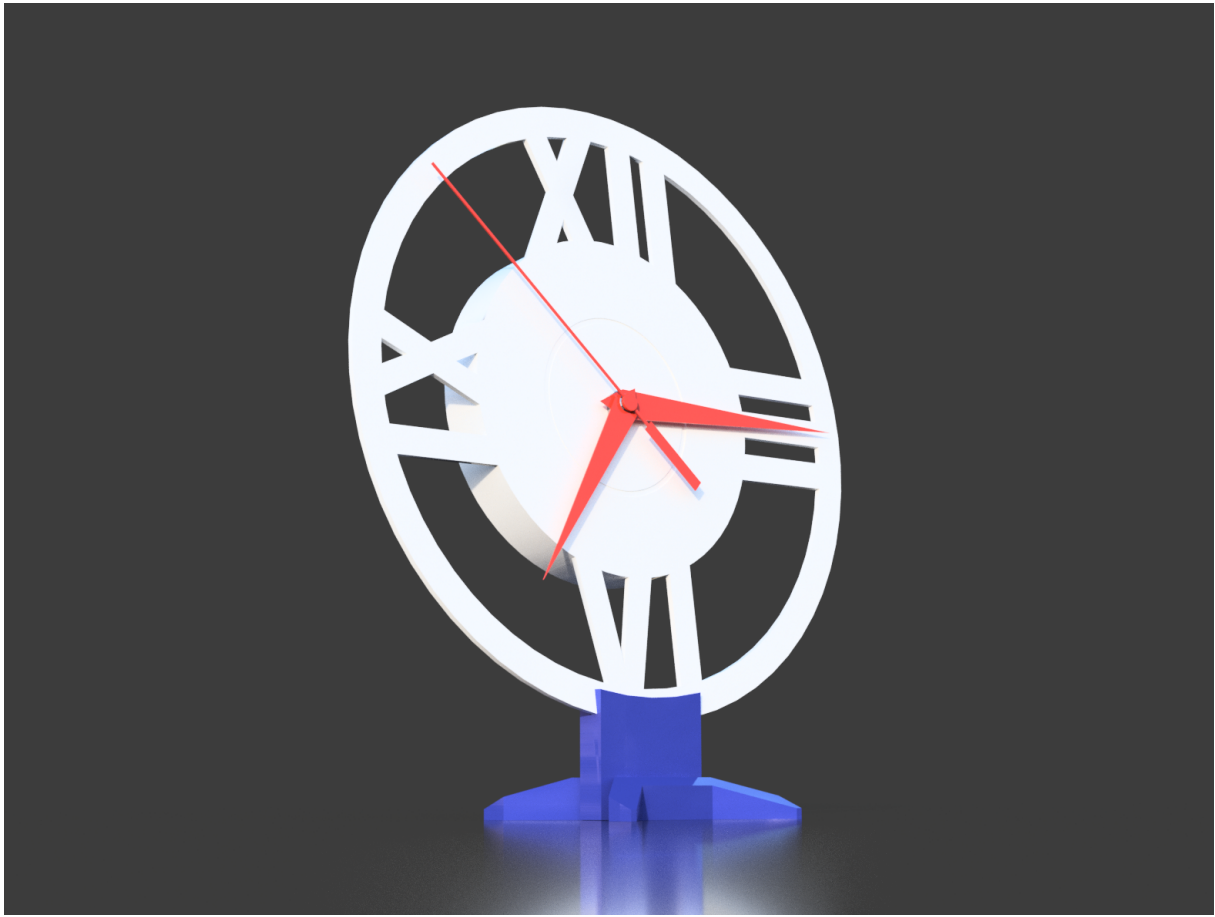


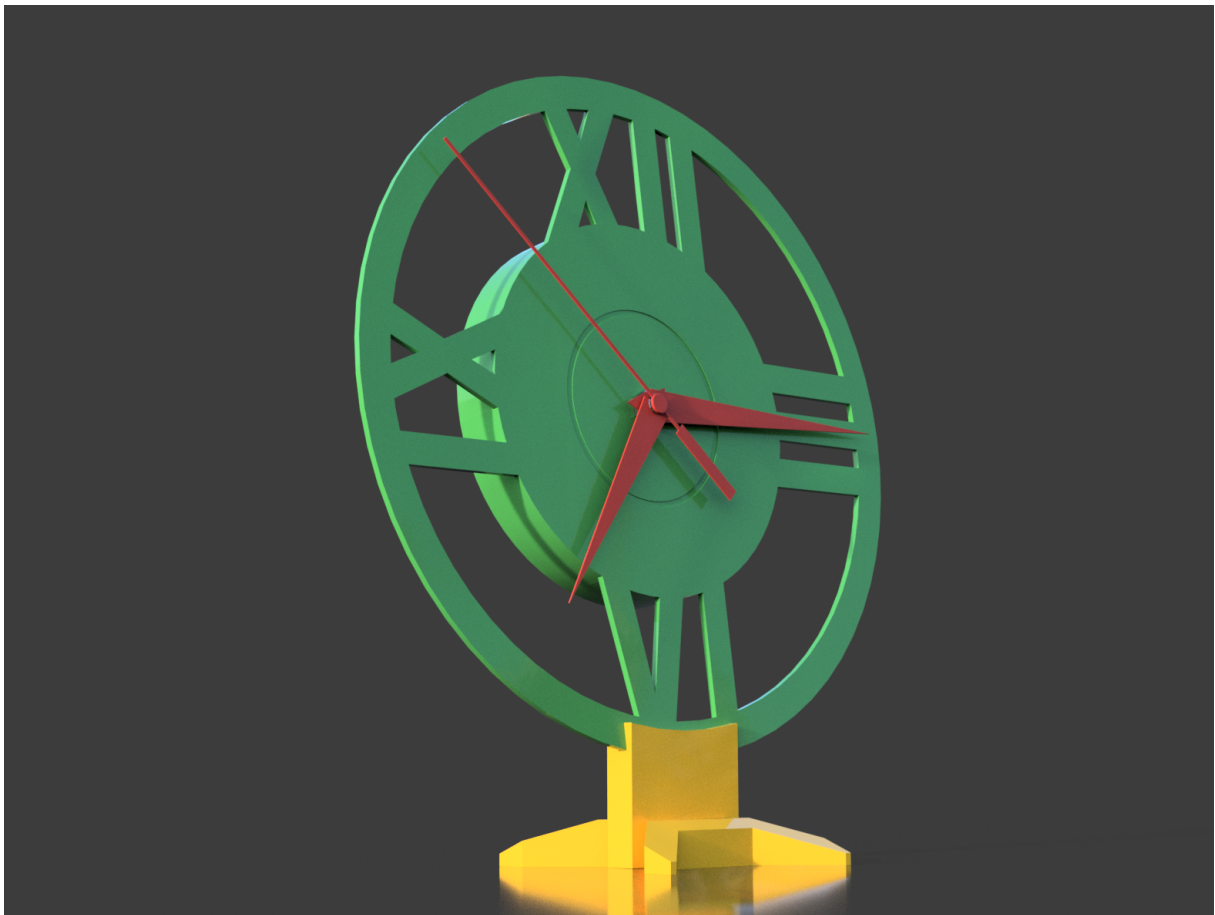


5. Colour Suggestions

Hardly anyone from the 3D printing community always has all filament colors in stock at home. Me neither! In addition, it is also not useful to print several color versions of this clock, because I do not have so many places to put it. Therefore here are some rendered color versions!

Have fun with this clock!





Model files

clock-x_dial_text.stl

clock-x_dial_notext.stl

clock-x_stand_1.stl

clock-x_stand_2.stl

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