



3d printed mechanical clock

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updated 22. 12. 2024 | published 22. 12. 2024

Summary

It is an almost fully 3d printed mechanical clock requiring only some thick filament, nuts, bolts, and bearings.

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I was curious about how mechanical clocks worked, so I started looking into it. First, I built the escapement, then the weight gears, and then the rest of the gears, each with a 1 to 60 ratio to tell seconds, minutes, and hours.

Here is a video of it working:

Model files

mechanicalclockparts.3mf



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