



Customizeable Combo Bank



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Summary

A simple combination lock bank. Not hard to "brute force", but still fun!

[Household](#) > [Other House Equipment](#)

Tags: [combinationlock](#) [customizeable](#)

I liked 2ROBOTGUY's combo lock a lot, but I wanted something that would work as a coin bank for my kids -- which my kids too young to understand ownership wouldn't be able to get into. I made a remix that was bigger and had a coin slot, but then I got thinking that it'd be nice to be able to change the combination.

Well, one thing led to another and so here is a fully customizeable version. The things that you can customize are:

- Diameter
- Height
- Combination
 - Change the number of digits in the combo (this will affect minimum height)
 - Change the number of options, defaults to 10 but with larger diameter you could do many more
- Thickness of the lock rings (the bits that stick out and make it a combination)

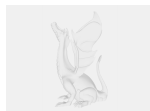
- The height of the base
- The font of the numbers on the base
- The tolerance number (extra added to the radi

Again, this is mostly just 2ROBOTGUY's design, but I redesigned from the ground up in openscad and tweaked it a bit:

- Added numbers at the bottom, which required shifting the notches slightly
- Added a "ring" at the top to reduce the chance of "skipping" the top number (not yet shown in the pictures, I added it after the last prototype printed)
- There are no symbols on the side of the outer cover

Category: Containers

Model files



combolock.scad

☐ Customizable source file



combolock_12345_base.stl

☐ basic example with code 12345



combolock_12345_top.stl

☐ basic example with code 12345

[Find source .stl files on Thingiverse.com](#)

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