



Stackable Bottle Holder



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Summary

A stackable bottle holder to store your bottles of all kind nicely on top of each other. Prints without supports.

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A stackable bottle holder to store your bottles of all kind nicely on top of each other. This way you save space in your cabinet, shelf or even your fridge.

The dimensions of one base element are 88.2mm x 88.2mm x 200mm (Width x Height x Length). Bottles for a diameter of up to 85mm are supported, which should basically fit every normal bottle.

It even fits wine bottles quite nicely, whereas I would not recommend to stack more than two, as they get quite heavy then. (Do that at your own risk, or if you are using a really strong material, as the walls supporting the whole thing are only 1.6mm wide!)

There is also a clip to connect two “towers” with each other.

Print settings

I used 3 walls, 15% infill with 0.2mm layer height and it printed fine. You may have to increase the top layers, infill or layer height depending on your printers capabilities to get the “bed” for the bottle right, as this is very prone to **pillowing**.

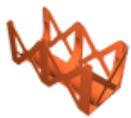
The top part also has pretty steep overhangs, you may want to increase the layer height there or even add supports.

Installation

Just stack the elements on top of each other. The holes should fit exactly as long you do not print each element in a different material type (PLA, PETG, etc.)

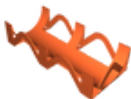
The clip to connect two towers goes on one of the main supports. I found the middle one the best for this as it is not visible there afterwards.

Model files



stackable_bottle_holder_v6.stl

☐ Base part



stackable_bottle_holder_top_v6.stl

☐ End part the resides on the top of a "tower"



stackablebottlerholder_clip_v6.stl

☐ Clip to connect to "towers"

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