



Telescopic Honeycomb pen- holder



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Summary

honeycomb organizer found on Thingiverse by tackoum.

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A mixed geometric/organic, angled pen holder inspired by honeycombs. It gives a little bit of an angle to the pens and pencils it holds, making it easier to grab them when needed (I was always kind of annoyed that the pens I wanted to pick up from in front, where facing upwards!!!). Also the perspective form of the sockets makes it easier to choose which pen you want to use.

instructions

This thing is a pretty big. It was designed to actually hold 2 pens in every honeycomb so if you print the file as it is you will get a pen holder with height: 16cm, width: 24cm and depth: 170cm that can hold up to 24 pens/pencils.

So unless anyone interested has a lot of pencils (and a lot of room on you desk) I would suggest you print this at about 65%-60% size, as i have done in the photos of the printed object. This will give you a more normal sized holder that can easily hold 12-15 pens/pencils.

This was printed with:

Printer: Ender 3
Material: PLA/PHA
Filament: **Colorfabb** Intense Green
Temp: First Layer-200C / Rest-195C
Layer height: 0.2mm
Speed: Variable - around 45-50mm/sec
Shells: 3
Layers: Top/Bottom - 3
Infill: 20 (but you can always put some more in there for weight)
Supports: No
Time: aprox. 11hours

It might need a little bit of sanding for the tips at the top, if you want a better finished look.

Model files



telescopic_honeycomb_pen_holder_f.stl

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

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