



Hexahold - Simple Laptop Stand



Dingus

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Summary

Hexagons are the bestagons.

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Howdy!

I designed this material and space-efficient laptop stand originally for the Dell ____, however I'm sure any other similarly sized laptops should work with it as well. The design allows your laptop to be held upwards at a fixed 60 degree angle while open, or vertically if you prefer to keep the laptop closed.

This design has hexagonal infill modeled into the vertical 'forks' of the stand, but uses the hexagon infill pattern at 20% with zero top and bottom layers for the flat main section. I did also change the infill angle from 45 degrees to zero. The design is split into multiple bodies so the inner area can have different print parameters from the outer ring, where I kept the top/bottom layers at the standard setting. I printed this on the Bambu Lab X1C and included a color swap at layer height for a little extra pop.

Prints without supports, I used the standard 0.4 nozzle and 0.2 layer height, although I'm sure none of the geometry should prove to be too challenging for other settings if you feel like messing around with it.

I have included the Bambu project file, the gcode print file, an STL and a STEP. Two of these will fit on the X1C's plate if one is rotated 180 degrees, it makes a good gift to coworkers if you all use the same laptop!

Model files

hexahold.3mf



hexaholdgcode.3mf



hexahold.step

hexahold.stl

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