Laptop vertical gravity dock

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VIEW IN BROWSER

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Summary

Simple but effective gravity stand for a laptop. Fits most laptops easily.

Gadgets > Computers

Tags: dock gravity laptop stand

This universal dock uses the laptops own weight to clamp it gently but firmly.

- No supports needed
- no bolting or glue required, everything is press fit so make sure your flow is well callibrated.

The (identical) sides are printed in PLA or any other material you like.

The connectors should be printed in TPU and make sure that the flexible part is 100% filled (3 walls on my 0,6mm nozzle was enough). I used Fiberlogy 40D which has a nice rubber like feel to it.

3 connectors were just perfect for the stand to be opened without laptop so I can plunk it in one handed. Depending on the type of TPU you use, you might need more or less (model is perfectly scaleable in the Z direction so you can make 'em any height you want)

Everything is printed at 100%. The holes for the connectors are the exact same size as the cilinders in the connector. I printed the TPU parts at 100% flow so that there was slight underextrusion (google it if you don't know why that is) and the fit very strong, so much that the middle part I printed at 99% flow just to make sure I got it all the way to the middle.

The dock is also quite flexible in the way that you can choose where to put the connectors in order to avoid blocking your vents.

This thing uses a lot of filament (440g for 2 sides at 3 walls and 20% infill, IF I remember correctly)

Truth be told, this is a design I based on pictures of some generic Chinese dock but I don't think they'll mind :p

Model files

been-4mm.stl

rubber-4mm.stl

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