USB Cable Holder

SteveS42

VIEW IN BROWSER

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Summary

A screw clamp for a desk/table surface to hold 2 USB cables.

1.64 hrs	1 pcs	0.20 mm	0.40 mm	ASA	17 g	Prusa MK3/S/S+

Hobby & Makers > Organizers

Tags: holder   fusion360   usb   clamp   cableorganizer   usbcableholder

This design is meant to hang 2 USB cables at the edge of my desk top.

I originally designed this about 3 years ago. I decided to update it and make some changes for publishing. The original design was printed upright to allow clean screw threads and, therefore, required a lot of support. The new design is meant to be printed on its side and uses a lot less support. I avoided the support need around the screw hole by adding a small notch cutout for the stringy bridging at the top of a hole to happen without interfering with the screw.

I used ASA and 6 perimeters for strength. I also set the minimum threshold for solid infill to 1000mm - the result is effectively solid with no infill. This should also increase layer adhesion area in the screw shaft (as printing a screw upright puts the layers in the weakest position).

The dimensions of it are set for my tabletop overhang. While it might be desirable to have a deeper throat for a clamp, my tabletop overhang is only about 1 inch. My surface is also 1 inch thick, but the clamp has a range of about 15-30mm.

Model files

clamp-v3.stl

screw-v3.stl

clamp-v3.3mf

clamp-screw-v3.f3d

Print files

clamp-v3_02mm_20_6p_1h38m_661778m_polylite-white-asa .gcode

⊗ ASA   ⬇ 0.40 mm   ≡ 0.20 mm   ⏱ 1.64 hrs   ⚖ 17 g   🖶 Prusa MK3/S/S+

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