

Power Strip Desk Clamp

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VIEW IN BROWSER

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Summary

General clamps for fitting a power strip to the edge of your desk.

Household > Office

Tags: desk power clamp powerstrip

Update 1/6/2025: Added two additional 30mm wide clamps (and their respective bottom bolts) to fit thinner desks. The “Clamp 30mm Wide 30mm Thick.stl” clamp will fit desks less than 30mm thick and the “Clamp 30mm Wide 45mm Thick.stl” clamp will fit desks from 5mm to 45mm thick. Both of these clamps are 30mm wide, as this seems to be the most popular. For reference, the original “Clamp 30mm.stl” clamp fits desks that are 20mm to 60mm thick. If you need wider clamps, or have any other requests, please don't hesitate to ask!

Update 12/5/2024: There is a new version available for wider multi-rowed power strips in the Remixes tab!

Overview:

This is a set of general clamps to fit any single-rowed power strip to the edge of your desk, allowing you to customize what kind of power strip best fits your needs.

I have included three sizes of varying width: 30mm, 50mm, and 80mm. I personally am using two 30mm clamps on either end of my power strip as shown in the pictures/renders above, but I figure the 50mm or 80mm could easily hold a power strip by themselves, or be paired together to clamp a heavier/longer power strip.

Printing Instructions (Standard):
I recommend PLA (or PETG if it will be in sunlight) with 0.2mm layer height, >20% infill, 3 walls, and no supports. Each part is printed as oriented.

Each clamp needs a bottom bolt and a top bolt. Depending on the width of your power strip (or other item you will be clamping), the length of the top bolt will be different. The 20mm-55mm is a longer bolt that fits any strip 20mm-50mm wide. The 40mm-72mm is a shorter bolt that fits any strip 40mm-72mm wide. The power strip I designed for is 45mm wide, so I used the shorter bolt so that the end of the bolt doesn't stick out beyond the footprint of the desk.

Note: as I have a fairly thick desk, I have designed the clamp to fit desks from 20mm to 60mm in thickness. If this doesn't work for your desk, please let me know and I can produce more sizes.

Assembly (Pictures above):

Screw the bottom bolt into the threads on the bottom of the clamp ensuring that the flat top will clamp to the desk. Then slot a thin screwdriver or the provided pin into the hole of the bolt and tighten to clamp to the desk. Repeat this for the top bolt to clamp the power strip.

Please comment with any questions or specific requests.

Happy Printing!

Model files



clamp-30mm.stl



top-bolt-40mm-72mm.stl

Fits power strips 40mm-72mm wide



top-bolt-20mm-55mm.stl

- Fits power strips 20mm-55mm wide



bottom-bolt.stl

- For the original clamp design - see below for shorter bottom bolts



bolt-pin.stl

- Helps turn the bolts although a screwdriver is better



clamp-50mm.stl

- Wider clamp



clamp-80mm.stl

- Extra wide clamp for added strength



power-strip-desk-clamp.step



clamp-30mm-wide-45mm-thick.stl

- Fits 5mm to 45mm desk thickness



bottom-bolt-45mm-thick-clamp.stl

- For the 45mm Thick Clamp



clamp-30mm-wide-30mm-thick.stl

- Fits desks less than 30mm thick



bottom-bolt-30mm-thick-clamp.stl

- For the 30mm Thick Clamp

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