



Adjustable Desktop Pen & Usb Cable Organizer



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Summary

Keep your favorite pens, Usb cable, or precision workshop tools perfectly organized and always within reach!

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I have uploaded a new file with the updated main body, and also a new screw with the file name "screw update." Someone pointed out that they were facing a problem screwing the parts together. Because I only designed half of the part and mirrored it, the screw thread direction was also reversed, which made one side right-handed and the other left-handed.

The Perfect Angle for Your Workspace: Whether you are sketching, drafting, or just want to keep your desk neat, this adjustable pen holder is

designed to fit your exact workflow. Natively designed with tight tolerances and mechanical precision, the holder features a tilting main grid and side-locking knobs so you can dial in the exact angle you need.

The individual square cells ensure that each pen, fine-liner, or marker has its own dedicated spot, preventing them from clashing or getting tangled up when you need to grab one quickly.

Key Features:

- **Adjustable Viewing Angle:** Loosen the side knobs, tilt the grid to your preferred ergonomic angle, and tighten them down to lock it in place.
- **Individual Cells:** Features a spacious grid so each writing instrument is isolated and easy to retrieve.
- **Sturdy Base:** The wide footprint of the base stand ensures the organizer will not tip over, even when fully loaded with heavy metal pens.
- **Multi-Color Potential:** Designed as separate parts, making it incredibly easy to print the base, grid, and knobs in contrasting colors to match your desk setup.

Assembly Instructions: Assembly is completely tool-less!

1. Slide the **Main_Grid_Body** between the arms of the **Base_Stand**.
2. Thread the two **Locking_Knobs** through the triangular side arms and into the threaded holes on the main body.
3. Tighten to your desired angle.

Recommended Print Settings:

- **Material:** PLA, PETG, or ABS (PLA is perfectly fine for desktop use).
- **Layer Height:** 0.2mm for a great balance of speed and clean threads.
- **Infill:** 15% Gyroid.
- **Supports:** None required!
 - **Base_Stand:** Print flat on the bottom.
 - **Main_Grid_Body:** Print flat on its back surface.
 - **Locking_Knobs:** Print flat on their top face.
- **Perimeters:** 3 to 4 walls to ensure the side arms and threaded sections are strong.

I would love to see how your builds turn out and what colors you choose for the different parts! Please post your makes in the comments. Happy Printing!

Model files



Step Files

6 files



06-boxes-divider.step



14-boxes-divider.step



12-boxes-divider.step



16-boxes-divider.step



27-box-divider.step



10-boxes-divider.step



main-body.stl



10-boxes-divider.stl



06-boxes-divider.stl



main-stand.stl



08-boxes-divider.stl



12-boxes-divider.stl



optional-2nd-body-print-if-needed.stl



14-boxes-divider.stl



screw-1.stl



screw-2.stl



27-boxes-divider.stl



16-boxes-divider.stl



main-body-updated.stl



screw-1-updated.stl



screw-2-updated.stl

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