

Zip Tie Clips Print & Install Guide

1-inch stick-on mounts that hold a zip tie, and the cable in it, where you put them.

PLA

No Supports

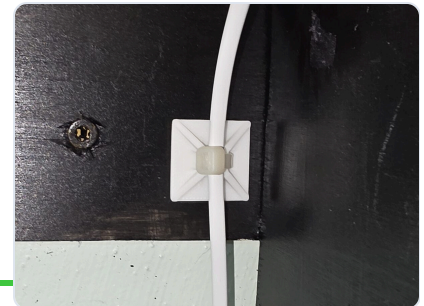
~20 min each

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A cable that hangs loose is a cable that gets snagged. These are the classic stick-on zip tie mounts, printed instead of bought: stick one down, run a tie through it, and the cable stays exactly where you routed it.

How it works

- **A flat base for tape.** The 1-inch square bottom takes a square of double-sided foam mounting tape.
- **A four-way tie tunnel.** A bridged hub in the middle leaves a tunnel in both directions, so the tie can run whichever way the cable goes.
- **Standard ties.** The tunnel is 5.5 mm wide, so common 4.8 mm (3/16 in) ties and anything narrower pass through.
- **Cheap to make.** About 20 minutes and under 2 g of filament each.



Installed: the tie holds a light's cable to the panel.

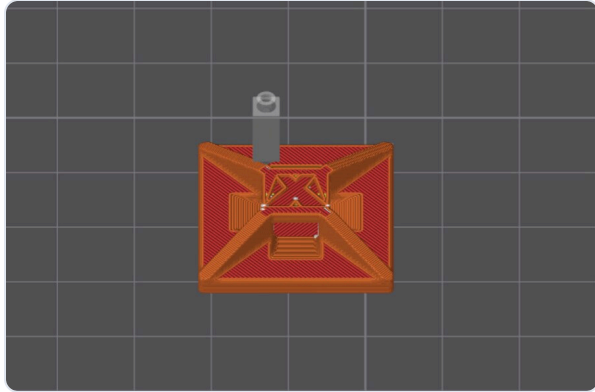
In the download

File	What it is
zip-tie-clip-25mm.3mf	Start here. One clip on the plate, with the tested PLA profile already set up. Add copies in your slicer to print a batch.
zip-tie-clip-25mm.STL	The bare model, for your own slicer profile.

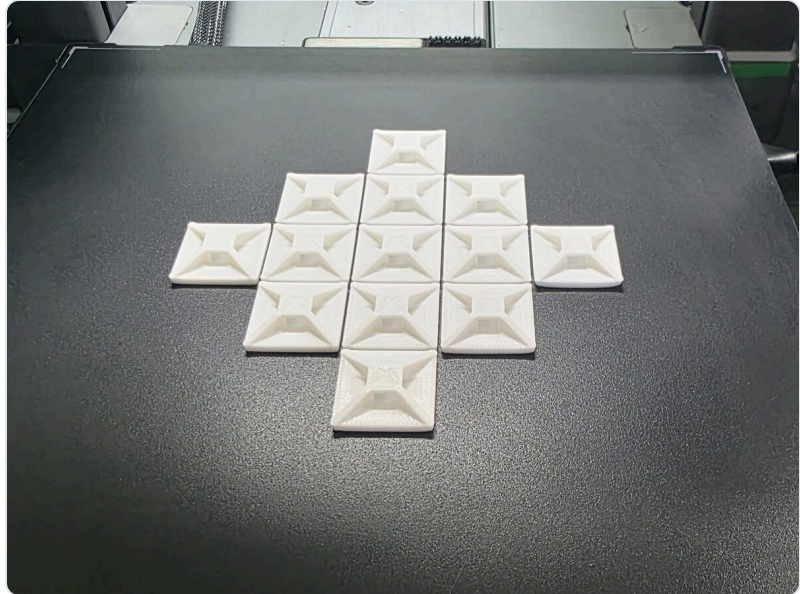
One piece, 25.4 × 25.4 × 6.35 mm (1 × 1 × 1/4 in). Bring your own zip ties and double-sided foam mounting tape.

1 • Print it

Plate	Time	Filament	Length
1 • One clip	19 m 55 s	1.89 g	0.63 m



The clip prints flat on its base. No supports needed, and no brim either.



A batch of 14 on one plate. Add as many copies as you need.

- 1 Open `zip-tie-clip-25mm.3mf` in any slicer that imports 3MF project files. When it asks whether to load the project's print settings, **say yes**.
- 2 Need more than one? Add copies (most slicers: right-click the part, then copy or "add instance") and arrange the plate.
- 3 Slice and print. One color, no filament swaps, nothing to clean off.

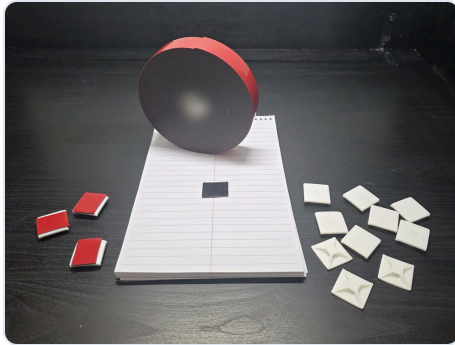
The profile baked into the 3MF

Using your own profile instead? Match these. Sliced for a 0.4 mm nozzle.

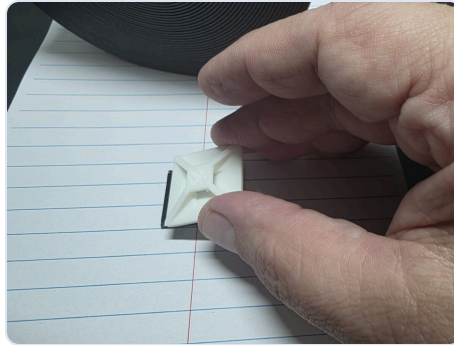
Quality	
Layer height	0.08 mm
First layer	0.20 mm
Walls	3 loops
Top / bottom	5 / 5 layers
Infill	15 % gyroid

Material & plate	
Filament	PLA
Nozzle temp	207 °C (220 °C first layer)
Bed temp	60 °C
Supports	None
Brim	Optional — prints fine without

2 • Install it



Clips and tape squares cut from a roll of foam mounting tape.



A tape square pressed onto the base.

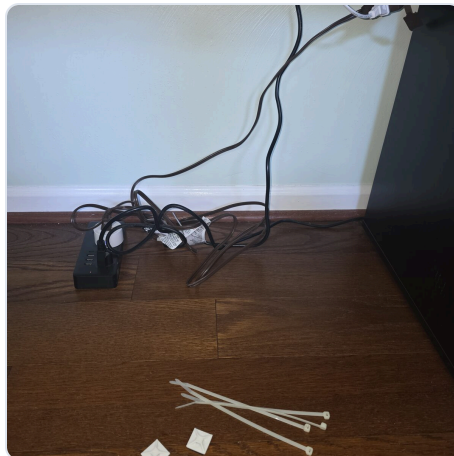


Tie threaded and pulled snug.

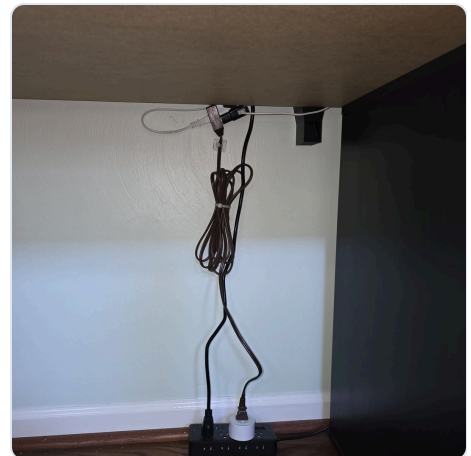
- 1 **Cut a square of double-sided foam mounting tape** about 1 in across and press it onto the flat underside of the clip.
- 2 **Wipe the spot clean and dry**, peel the liner, and press the clip down firmly for a few seconds.
- 3 **Thread a zip tie through the tunnel** under the hub, in whichever direction the cable runs, wrap it around the cable and pull it snug.
- 4 **Trim the tail flush** with flush cutters, right at the tie's head.



Trimming the tail at the head.



Under a desk, before: the slack piled on the floor.



After: hung from a clip under the desktop.

Under a desk

Stick a clip to the underside of the desktop and hang the slack of a cord from it. The coil comes up off the floor and the power strip stays clear.

Where precision meets the printer

Thanks for printing these. If they keep a cable out from underfoot and off the floor, that is exactly what they were designed to do.

For years my design world existed entirely behind a screen. As a mechanical engineer I spent countless hours building complex CAD models, but there was always a missing link — the ability to hold an idea in my hands. That changed in January 2026, when I went headfirst into 3D printing. The moment that first layer stuck to the bed, the gap between concept and reality vanished.

Coming from a background where precision is everything, tolerances aren't suggestions to me — they are a religion. I didn't want to print trinkets; I wanted to apply industrial engineering discipline to desktop manufacturing. Every wall count, every layer height and every infill percentage in this guide is a deliberate decision backed by testing. If a part can't handle the environment it was built for, it goes back to the drawing board.

Three principles behind every print

01

Functional Engineering

High-utility, real-world solutions rather than purely decorative models. If it doesn't solve a practical problem, it doesn't leave the workstation.

02

Rigorous Tolerances

Designed in professional CAD with mechanical intent — press-fits that click and assemblies that work straight off the build plate. No sanding, no filing, no guesswork.

03

Bridging the Gap

Industrial structural integrity at maker speed. Proving a desktop printer can produce parts worthy of real engineering applications is what drives every release.

The workshop

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A note on sharing

I'm thrilled when people use and share these designs. I just ask that you respect the license shown on the model listing and give the required credit, so I can keep contributing to the collective workshop.

IF THIS ONE EARNED ITS SPOT

A **Like** or a **Favorite** on the model page takes a second and genuinely helps. A **Boost** helps more than either — it is what puts a design in front of makers who would never otherwise come across it. And if you **Follow** me, new models and updates land in your feed as they are released. However you choose to support it, thank you — it is what keeps everything here free to download.

Tidied up a cable run with these? Post a make with a photo — I would love to see it in place.

Happy printing. — MakerX Designs · makerxdesigns.com · © 2026