Filament Clip | Grandma's Favorite Filament Clip

Extrutim

VIEW IN BROWSER

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Summary

I've tested many filament clips, but none was the perfect one. So i designed this little clip.

0.11 hrs	2 pcs	0.20 mm	0.40 mm	PLA	1 g	Prusa MK3/S/S+

3D Printers > Accessories

Tags: spool holder handle grip filament clip mount fast spoolholder easy snapfit fillament filamentclip universe best grandma grandmas extrutim

A simple filament clip which prevents the filament from unwinding reliably!
I've tested many filament clips in the past, but couldn't find one that I was 100% satisfied with.
Out of this need I have designed this small clip!

Since I read all the comments, there are now a few more versions which respond to the personal preferences of some!

Please leave a like if you enjoy my design. Feel free to check out my other designs too!

If you want to support me, please check out the designs in my Printables Store: Click here!
Thank you for your support! :)

This is the easiest way to attach the clip: Hold the end of the filament between your thumb and index finger, and press down on the previous winding with your middle finger. This way you can loosen the previous winding a bit to make it easier to get underneath with the clip to attach it. Do it a few times and it will be done in a few seconds.

Important:
Make sure your filament is not over extruded. This can cause the clip to not work as well as it could.
I recommend regular PLA, Silky PLA has a poorer layer adhesion which can cause the clip to break.

> **Tip:**
> **2.85mm filament?** Just scale the clip in your slicer to 160%.
> Always have the file at hand: Simply add the clip to the shape gallery in PrusaSlicer. Right click on the print bed in the slicer -> Add Shape -> Gallery -> Add (This is also helpful to quickly access test models).

The most important features in short:

- Only requires about 1g of filament and prints in about 7min.
- Does not attach to the spool. This makes it compatible with any filament spool and they can still be stacked easily.
- Has a grip for easier handling.
- A "scoop" to get under the previous winding better.
- Bends the filament just slightly and therefore doesn't damage it.
- A separate version with a hole in the grip to hang it up.

The different clips explained separately:

The classic, unchanged because the vast majority are perfectly satisfied with this clip.

The stronger clip. If you use Silky PLA or another filament with poorer layer adhesion, this scoop will be more sturdy.

The clip for beasty filament. Filaments like PC are very slippery and stiff at the same time. The previous turn is clamped much stronger and prevents slipping.

The closed clips. If the filament is fed into a Bowden tube these clips can stay on the filament. The hole is shaped so that the filament when it is straight simply slips through, if it is wound on the spool it holds the filament by its bending.
There are these two versions, depending on which one you like better in handling.

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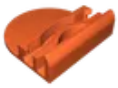
Commercial use: Even if the license forbids this I agree if you show this model to your audience in a video etc. or use it if you run a business. Only selling the files or the physical model is prohibited. Please remember to name me as the author and link to this page.

Model files

Clips 6 files

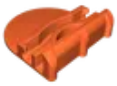
try-them-all.3mf

All five clips to try out.



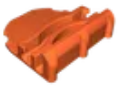
clip-classic.stl

The classic clip which is the reason for the popularity of this upload.



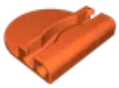
clip-stronger.stl

The more rigid version if you use silky or filament with poor layer adhesion.



clip-beasty.stl

The clip for filaments like PC which are very stiff and slippery.



clip-closed.stl

The clip which can remain on the filament during printing.

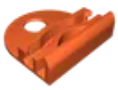
clip-closed-inverted.stl

The clip which can remain on the filament during printing.

Clips with hole for hanging 6 files

try-them-all-with-hole.3mf

All five clips with hole to try out.



clip-classic-hole.stl

The classic clip which is the reason for the popularity of this upload.

clip-stronger-hole.stl

The more rigid version if you use silky or filament with poor layer adhesion.

clip-beasty-hole.stl

The clip for filaments like PC which are very stiff and slippery.

clip-closed-hole.stl

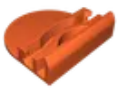
The clip which can remain on the filament during printing.

clip-closed-inverted-hole.stl

The clip which can remain on the filament during printing.

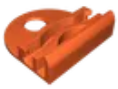
Outdated model files

10 files

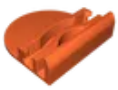


175-clip-classic.stl

6x-175-clip-classic.stl

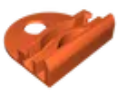


175-clip-classic-hole.stl



285mm-clip-classic.stl

scaled to 160% for 2,85mm Filament



285mm-clip-classic-hole.stl

175-clip-closed.stl

6x_175-clip-closed.stl

175-clip-closed-hole.stl

285mm-clip-closed.stl

scaled to 160% for 2,85mm Filament

285mm-clip-closed-hole.stl

Print files

1xclip-classic_mk3s_7m_pla.gcode

PLA 0.40 mm 0.20 mm 0.11 hrs 1 g Prusa MK3/S/S+

6xclip-classic_mk3s_27m_pla.gcode

PLA 0.40 mm 0.20 mm 0.45 hrs 4 g Prusa MK3/S/S+

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