



3D printable cell phone tripod mount



twothingies

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Summary

Do you want to fix your cell phone on your camera tripod? Do you have a 3d printer?

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We designed this to mount cell phones of any size to camera tripods, even if you have a phone case and a pop socket attached. The best part is that it is almost 100% 3d printed! You just need a 1/4"-20 hex nut and, optionally, two short adhesive foam strips to protect the phone from scratching and increase the grip.

This should work on most different types of tripod plates (Oben, Ambico, Manfrotto, Arca Swiss, generic ones, etc) but you should definitely check the stem.stl file to verify this. It has a pocket to fit the 1/4"-20 nut and a slot for the alignment pin we see on some tripod quick-release plates.

If you print this, let us know! Tag us on Instagram and we will feature your print :) Or you can leave us a review here. It really helps us improve our models



Printing details

Nozzle size: 0.4 mm
Line width: 0.42 mm
Layer height: 0.2 mm
Print Speed: 60 mm/s
Perimeters: at least 3 (we used 5)
Infill: 15%
Supports: YES, only for clamp_B
(see image below)

Brim: only for the Stem parts with
Arca Swiss mount

Filament used:

Polymaker's Polyterra PLA

Charcoal Black (affiliate)

Fillamentum PLA Extrafill Vertigo Gray (affiliate)

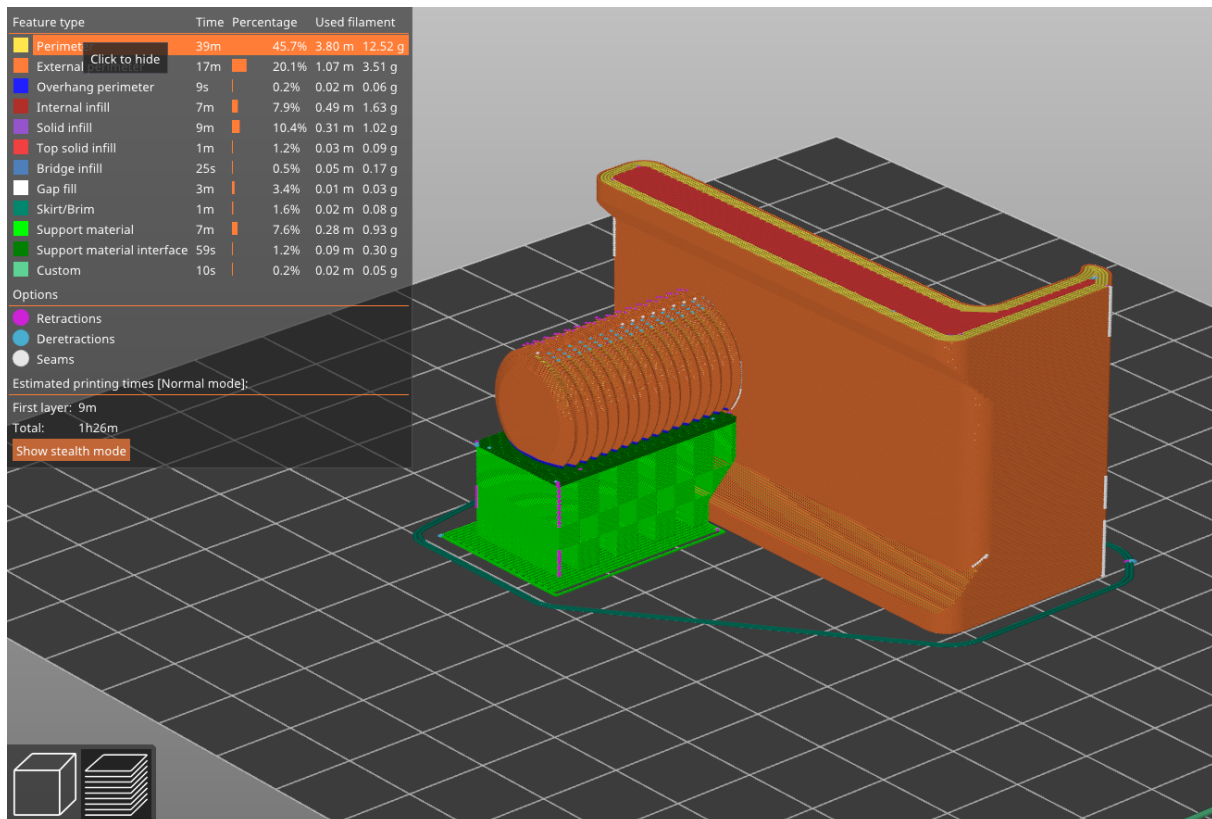
Edits:

16-07-2022 : Added clamp_A_v2 and clamp_B_v2. Those are longer, to hold bigger phones.

06-01-2025: Additions based on comments (thank you all!)

- Added a version of the Clamp files with a grippy texture to prevent the phone from slipping in case you decide not to use foam strips (foam strips are still the recommended way to use it)
- The threads are now ACME profile, which prints easier and is a lot stronger

- Added three new versions of the Stem:
 - Compatible with CNC Kitchen's 1/4in threaded inserts, both the short and long variants.
 - Compatible with Arca Swiss clamps, for 38 and 26 mm dovetails.



The STL files are meant to be printed in the provided orientation (that is, the parts are laying on one side).

To get the right fit on the nut part, you could need to scale it up or down depending on the characteristics of your printer and the filament you are using. We provide a version already scaled up 105% which worked fine for us :)

Follow us on Instagram!



Did you like this design?



If you really like what we are doing and want to support us, you could **buy us a coffee or two!** or **order quality filament** through one of our [affiliate links!](#)

Selling prints of our designs

Please be aware that our designs are available for free for non-commercial purposes only.

If you would like to sell 3D prints of our designs in your store, you can [join one of our membership tiers!](#)

If you have other ideas, we would be happy to hear from you! Please send us a message through [Printables](#) or [Instagram](#).

Disclaimer

Due to the different properties of 3D printing filaments and the tolerances of different machines, you might need to scale up or down some of the print files, in case they don't fit when you print them.

Model files

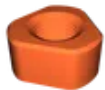


Nut

3 files



nut_thick_v1.stl



nut_thick_105_v1.stl



nut_acme_thread.stl



Stem

5 files



stem_v2.stl



stem_025in_insert_short.stl



stem_025in_insert_long.stl



stem_arca_swiss_38mm.stl



stem_arca_swiss_26mm.stl



Clamps

6 files



clamp_a_v2.stl

☐ Longer version for bigger phones



clamp_a_grip.stl



clamp_b_acme_grip.stl



clamp_b_v2.stl



clamp_b_acme_grip_long.stl



clamp_a_grip_long.stl

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