



Tripod Phone Holder (Vertical and Horizontal)



thisis3dprinted

[VIEW IN BROWSER](#)

updated 15. 11. 2024 | published 15. 11. 2024

Summary

Universal tripod phone holder, easy assembly, no supports needed. Fits landscape & portrait. Print in PLA or TPU.

[Gadgets](#) > [Photo & Video](#)

Tags: [holder](#) [video](#) [mount](#) [phone](#) [accessory](#) [tripod](#)
[thread](#) [accessories](#) [photography](#) [portrait](#) [videography](#)

This tripod phone holder is designed to fit any standard tripod, making it perfect for capturing photos and videos in both landscape and portrait orientations. The assembly is simple, with only two non-printed parts required: two 1/4-20 nuts (1/4" diameter and 20 threads per inch). These nuts allow for secure mounting either vertically (for landscape capture) or horizontally (for portrait capture).

Assembly Instructions: To integrate the nuts, you will need to pause your print at specific layers. For example, with a layer height of 0.2mm, pause the print at layer 33 to insert the first nut in its designated slot, then continue printing. Pause again at layer 307 to insert the second nut, and then finish the print. The pads can be glued into the recessed sections of the sliders for a secure fit.

Print Settings:

Sliders, Screw, and Clip:

- Material: PLA
- Layer height: 0.2mm
- Wall loops: 2
- Infill: 15%
- Infill pattern: Gyroid

Pads:

- Material: TPU
- Layer height: 0.2mm
- Wall loops: 2

This design requires **no support** for any of the parts, though it is recommended to use a brim if printing the screw vertically for better bed adhesion.

If you want to enhance the strength and durability of the parts, consider increasing the infill percentage and using **PETG** as your material.

Model files



slider-1.stl



slider-2.stl



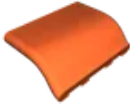
screw.stl



ring.stl



pad-1.stl



pad-2.stl

License ©



This work is licensed under a
Creative Commons (4.0 International License)

Attribution—Noncommercial—Share Alike

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition