



Tripod for Phones (100% 3D- printable)



Sven Brähler

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Summary

A foldable "medium size" Tripod mainly for phones that is fully 3D-printable!



31.40 hrs



8 pcs



0.20 mm



0.40 mm



PET



304 g



Prusa MINI /
MINI+

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Tags: [phonestand](#) [tripod](#) [smartphone](#)

I brought a new phone a while ago and I wanted to print a Tripod to take pictures of the night sky. However, I didn't quite find anything that I wanted, so I decided to design my own.

This is my first project I upload so I don't really know how well it prints with other printers and so on. The tolerances are relatively tight and quite a few parts need to fit so it's not tooo easy to print I'd say. However, I would like some feedback, to know what I could improve.

NOTE:

Screws and Pins should be printed with 100% Infill, for better stability.

“Tripod_Ball-Joint_Base” should be printed vertically with the threading at the bottom (support on build plate).

“Tripod_Vice_Base” also vertically with the “Ball” at the top (support on build plate).

“Tripod_Leg” horizontally with support on build plate.

PETG/ABS... is recommend, it should work in PLA, however I don't think it is the right Material for a Tripod. (I printed in Prusament PETG)

Also, you can use the hole in the Leg to put 1 or 2 Cent coins in it, to lower the center of mass and ultimately the stability of the Tripod.

Model files



tripod_vice_base.stl



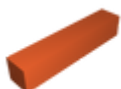
tripod_vice_pusher.stl



tripod_vice_screw.stl



tripod_ball-joint_base.stl



tripod_ball-joint_base_support.stl



tripod_ball-joint_pusher_1.stl



tripod_ball-joint_pusher_2.stl



tripod_ball-joint_screw.stl



tripod_base.stl



tripod_leg.stl



tripod_leg_screw.stl



tripod_leg_pin.stl



tripod_foot.stl

Print files



Tripod

8 files



tripod_vice_pusher_02mm_petg_mini_1h29m.gcode

PET 0.40 mm 0.20 mm 1.48 hrs 12 g Prusa MINI / MINI+



tripod_vice_base_02mm_petg_mini_3h39m.gcode

PET 0.40 mm 0.20 mm 3.66 hrs 33 g Prusa MINI / MINI+



tripod_leg_02mm_petg_mini_3h24m.gcode

PET 0.40 mm 0.20 mm 10.20 hrs 105 g Prusa MINI / MINI+



tripod_foot_02mm_petg_mini_2h13m.gcode

PET 0.40 mm 0.20 mm 2.21 hrs 21 g Prusa MINI / MINI+



tripod_base_02mm_petg_mini_4h10m.gcode

PET 0.40 mm 0.20 mm 4.17 hrs 42 g Prusa MINI / MINI+



tripod_ball-joint_screw_02mm_petg_mini_3h27m.gcode

PET 0.40 mm 0.20 mm 3.45 hrs 29 g Prusa MINI / MINI+



tripod_ball-joint_base_support_02mm_petg_mini_2.gcode

PET 0.40 mm 0.20 mm 2.20 hrs 21 g Prusa MINI / MINI+



tripod_ball-joint_base_02mm_petg_mini_4h2m.gcode

PET 0.40 mm 0.20 mm 4.03 hrs 41 g Prusa MINI / MINI+

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