



Phone Tripod v2



SubSite

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Summary

An updated version of my ball jointed phone tripod. Now with both portrait and landscape mode!

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A ball jointed printable tripod. This is a new version with the following updates:

- Now supports both landscape and portrait!
- Legs are slightly longer for better stability
- The tripod base is more streamlined with less sharp edges
- Improved ball joint design

Info for remixers: The ball diameter is 22 mm in case you want to use parts of this design for other projects!

Instructions:

- Measure the width of your phone (or google for its specs), and select the closest size Phone Clamp. If you use a phone case or something, make sure to use the total width including the case. Note that using PETG, it will flex quite a bit, so if in doubt, go with a smaller size.

- Print (at least) the Phone Clamp in PETG (or other material that's springy, and doesn't deform over time). This part must be printed with supports. Use some sandpaper to smooth out the support interface area on the ball if needed.
- Print three of the Tripod Leg (PLA is fine for this)

An M5 x 40mm bolt is needed for assembly (longer works too, but it will stick out and look ugly). Assembly:

Fasten the legs first, as this can require a bit of force. Place the tripod base upside down on a flat surface. Be sure to align the notches of each leg with the small bumps inside of the grooves for the legs. Press straight down, but be careful so you don't hurt yourself if something slips. Using leather gloves might be a good idea.

- The ball-joint should connect without excessive force, if needed you can use a screwdriver to slightly widen the gap while pushing it into place.
- Slide the M5 bolt through the printed screw. If it's difficult to get the last bit of the bolt head seated, use an M5 nut on the other end to pull the bolt through.
- The bolt hole is threaded in the design, but depending on your printer settings, it might be a bit tight. You can put a small amount of grease on the very end of the bolt for smoother operation.

Please post a Make if you make one!

This remix is based on



Phone Tripod

by SubSite

Model files



tripod-base.3mf



tripod-leg.3mf



tripod-thumb-screw.3mf

phone-clamp-61-63mm.3mf



phone-clamp-64-66mm.3mf



phone-clamp-67-69mm.3mf



phone-clamp-70-72mm.3mf



phone-clamp-73-75mm.3mf



phone-clamp-76-78mm.3mf



phone-clamp-79-81mm.3mf

phone-clamp-82-84mm.3mf

phone-clamp-85-87mm.3mf

phone-clamp-88-90mm.3mf

phone-clamp-91-93mm.3mf

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