



Universal photo-video tripod



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[VIEW IN BROWSER](#)

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Summary

Universal photo-video tripod with adjustable telescopic legs, with phone holder

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Maybe a bit more difficult to assemble, but I tried to make the parts as simple as possible. The tolerances are just right, I wanted the parts to be able to rotate. You lock the ball joint with the middle and upper ring and adjust the angle of the legs with the lower ring.

The legs are telescopic, just pull as much as you need.

I recommend using more durable pla or Petg, I used eSUN PLA+ Grey, it is strong enough for structures. The model is quite strong, despite the fact that it is made of plastic, we know the limits of the filament. It would be better if it were made of metal, but I wanted to present you another design piece like this

You will need 3 pieces of M3X18 with nuts and 1 piece of M5X20 with a conical head and self-locking nut to assemble the legs.

You only need to glue the photo thread to the ball joint and the sliding plate to the phone holder. The springing of the phone holder is ensured by

rubber bands

Instructions for assembly will be in the photos

Maybe I invented a new type of ball joint locking, without a side screw, if you find one, write to me

I didn't give g-codes because I used a 0.3 mm nozzle, not everyone uses it. But it prints very nicely - it's a compromise between a 0.25 and a 0.4 mm nozzle. Therefore, set your favorite settings in 3mf.

Model files



head.3mf



ball-joint.3mf



middle-ring.3mf



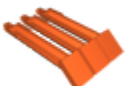
lower-ring.3mf



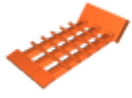
inner-rings.3mf



arms.3mf



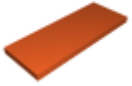
legs.3mf



inner-legs.3mf



holder.3mf



holder-plate.3mf

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