



## Handle for bicycle quick release skewer - MTB grip version



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### Summary

Hold a quick release skewer for big pokey tool or ESI grip install tool, can fit a MTB grip

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[pokeyspeke](#)

Derived from "The Trevor" which is a handle for an upcycled bicycle quick release skewer, this is the same idea, but with a 22.2mm round handle which allows you to mount a MTB grip of up to 130mm long.

### Printing instructions

Material, layer height, infill -- pretty much whatever you want. The M5 thread of a QR skewer is a 0.8mm pitch and usually you want at least 1/4 the pitch for printed threads, but in this case if the fit is sloppy, it will just require more torque to thread it on, which means it'll be nice and secure

In terms of shells - due to its size it'll be pretty strong in just about any amount. I might have upped it from two to three, maybe four shells, although that's likely overkill.

## **Assembly**

Pro tip: external cam quick release skewers are generally worthless as quick releases, so those are perfect as donors.

The QR axle is not included. Supply your own, and cut off the quick release end of the head so the threads remain intact. I usually use rear skewers as they are longer, but if you only need a short pokey bit then a front skewer would work. The fit on the handle threads will be tight so I usually hold the skewer in a vise when I thread on the handle. You might want to mark the skewer at 35mm from the threaded end as you'll know that's when it's fully inserted - that's the depth of the threaded hole. If it gets too hard to tighten before you reach 35mm depth, then you're probably fine, especially as a pick.

### **Set screw version**

If you use the version with the set screw, no need to clean up the threads, you should be able to get an M5 screw started and the threads should act like their own threadlocker. Just tighten the set screw down until it's snug, overtightening it could strip the "threads".

You can also file a flat on the QR centered 23mm from the threaded end, that'll line up with the set screw hole once it's threaded in to the 35mm depth. Once you're close to the 35mm depth, look through the set screw hole until you see the flat you made, and then install the set screw there.

## **This remix is based on**



**"The Trevor" - handle for bicycle quick release skewer**

by cmh

# Model files



## qr-skewer-shaft-handle-for-esi-grips.stl

☐ Plain version without set screw



## qr-skewer-shaft-handle-for-esi-grips-set-screw.stl

☐ Version with set screw to prevent rotation of the shaft

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