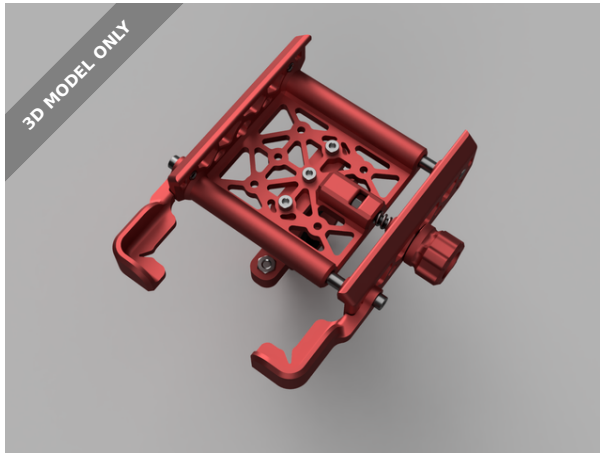




universal bike phone holder/ mount v2



Ujang Karnadi

[VIEW IN BROWSER](#)

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Summary

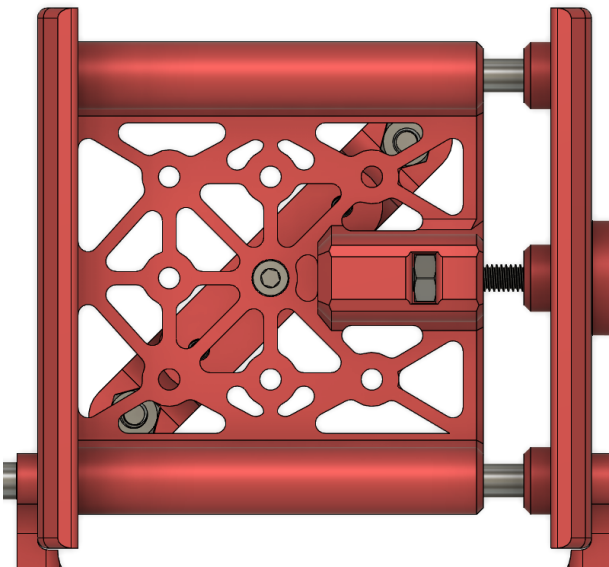
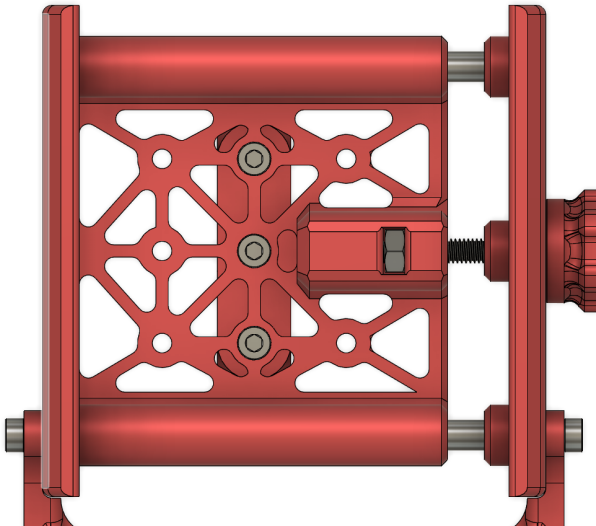
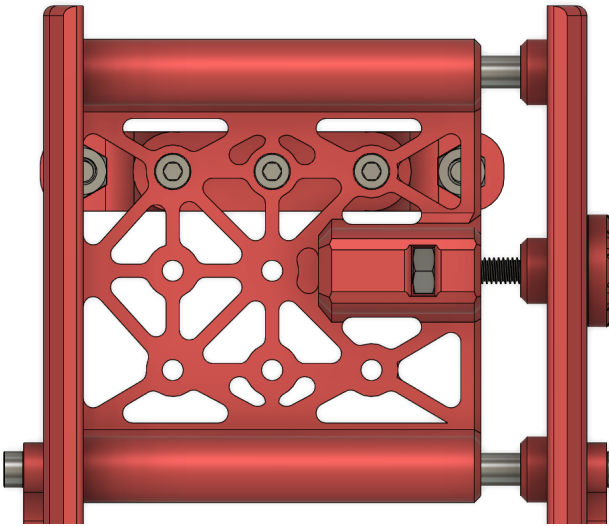
universal bike phone holder/mount with plenty mount options

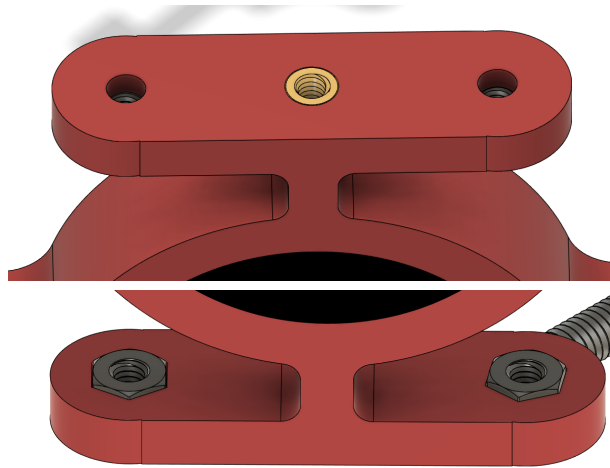
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Universal bike phone holder v2, can be mounted on handlebar or on stem raiser, can be used as left handed or right handed. with optional bottom bracket. untested. please post a make or comment for any issue.

The mounting hole for the clamp is symmetric so you can mount it horizontal or vertical, you can use 3 bolt, 2 bolt or just 1 bolt in the middle for easy rotation.





if you want to use one bolt on the center for mounting it to the clamp, don't forget to install m3 heatset insert.

For better grip use silicon phone case, but if you don't have one you can add some foam material like poron foam or other foam that improve grip on the right and left side of the holder

BOM:

1. 2 pcs 5mm shaft/rod (any material will do, steel/stainless steel/cf tube)
2. 1 pcs m4x40/50 headless bolt (for knob)
3. 1 pcs m4 nylon lock nut (for knob)
4. 2 pcs m4x8/10 bolt
5. 3 pcs m4 nut
6. 3 pcs m3x3x4.2 heat set insert (2 optional for bottom holder, 1 for the middle clamp mounting holde)
7. 2 pcs m3x5/6 bolt (optional for bottom holder)
8. 3 pcs m3x8/10 bolt
9. 2 pcs m3 nut
10. 1 pcs silicon spacer/spring for the knob to prevent rattling when used without phone.

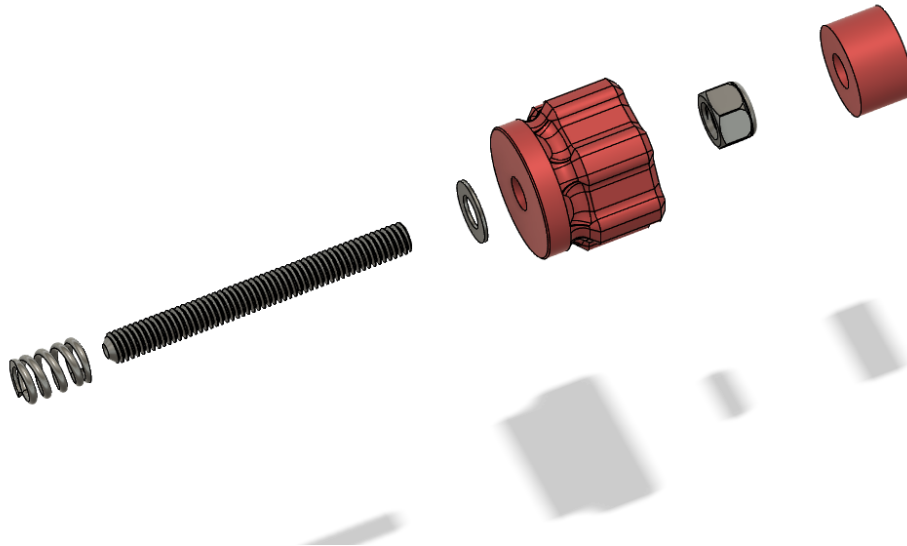
STEP file is available, you can edit if you want to use 3mm shaft or if there is some necessary change for your hardware availability.

The m4 knob is from vzbob project

<https://github.com/VzBoT3D/VzBoT-Vz330/blob/master/Assemblies%20BOM%20and%20STL/Gantry/Motor%20Mounts/Printed/Left%20Motor%20Mount%20Nema17%20with%20Tensioner/STLs/knob-cap.stl>

everything else is my own.

Knob assembly should be like this, everything else should be self explanatory, open the CAD/STEP file if you have some confusion.



Model files



STEP

1 file



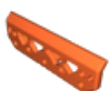
universal-phone-holder-v19.step

☐ add spring and washer to the knob

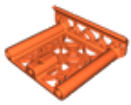


Main holder

2 files



right-holder.stl



main-holder-with-left-side.stl



Bottom holder (optional)

2 files



bottom-holder-left.stl



bottom-holder-right.stl



Clamp

7 files



top-clamp.stl



bottom-clamp.stl



spacer.stl



spacers.stl



spacer-1.stl



spacer-2.stl



spacer-3.stl

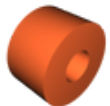


Knob

2 files



m4-knob-clamp.stl



knop-cap.stl

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