



## Fully printable Quad-Lock-Adapter



TheStick

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### Summary

A fully 3d-printable Quad-Lock mount. Fits all commercially available Quad-Lock cases.



5.72 hrs



1 pcs



0.15 mm



0.40 mm



PLA



46 g



Prusa  
MK3/S/S+

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I really love the Smartphone cases from Quad-Lock and used them already for the past few years. The only Problem is the Price and the Varaities of the Quad-Lock mounts. So I just 3d-printed my own ;-)

The here provided mount perfectly fits on to my bike handle (see pictures above) and holds my Quad-Lock-Phonecase extremely secure.

I also designed the "case-side" of the Quad-Lock system, so you can print yourself a complete Quad-Lock-Package.

I can't take credit for the spring, as I took the design from here: <https://www.thingiverse.com/thing:2590838>

### Printsettings:

- Base and Top parts can be printed without support, Spring and Slider have to be printed with support.
- For the Spring PLA works best because it's a bit stiffer than PETG, so it can provide more force.

### Building:

1. Put the Spring inside the Slider, it should be able to compress and decompress without getting stuck. You may need to sand down the Spring a bit.
2. Insert a M3-Nut into the Base.
3. Insert the Base into the Slider-Spring-Assembly
4. Put in the Top from the other side and screw everything together with a countersunk M3-Bolt
5. To secure the mount to the Bike, i just used Cable ties

Please keep in mind that the mechanism used, is patented by Quad-Lock. Therefore, this print is intended for private use only.

## Model files



**quad-lock\_base-v2.stl**



**quad-lock\_slider.stl**



**quad-lock\_top.stl**



**spring.stl**



**quad\_lock\_adapter\_v2.stl**

## Print files



**qaud-lock\_complete\_015mm\_pla\_mk3smmu2s\_5h43m.gcode**

PLA 0.40 mm 0.15 mm 5.72 hrs 46 g

Prusa MK3S/S+ & MMU2S

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