



## Keys holder with magnetic snap-on case



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### Summary

Keep your most frequently used keys in the compact case. It will protect other items in your bag or pocket.



N/A



2 pcs



0.15 mm



0.40 mm



PLA  
PET



N/A



Prusa MK4

[Household](#) > [Other House Equipment](#)

Tags: [holder](#) [case](#) [snapon](#) [key](#) [magnetic](#) [protection](#)  
[keys](#)

This keys holder will keep a few keys inside a compact case. It is designed to be opened and closed quickly thanks to the small embedded magnets. The additional guides and pins ensure the case won't open unintentionally in your pocket or bag.

## Print instructions

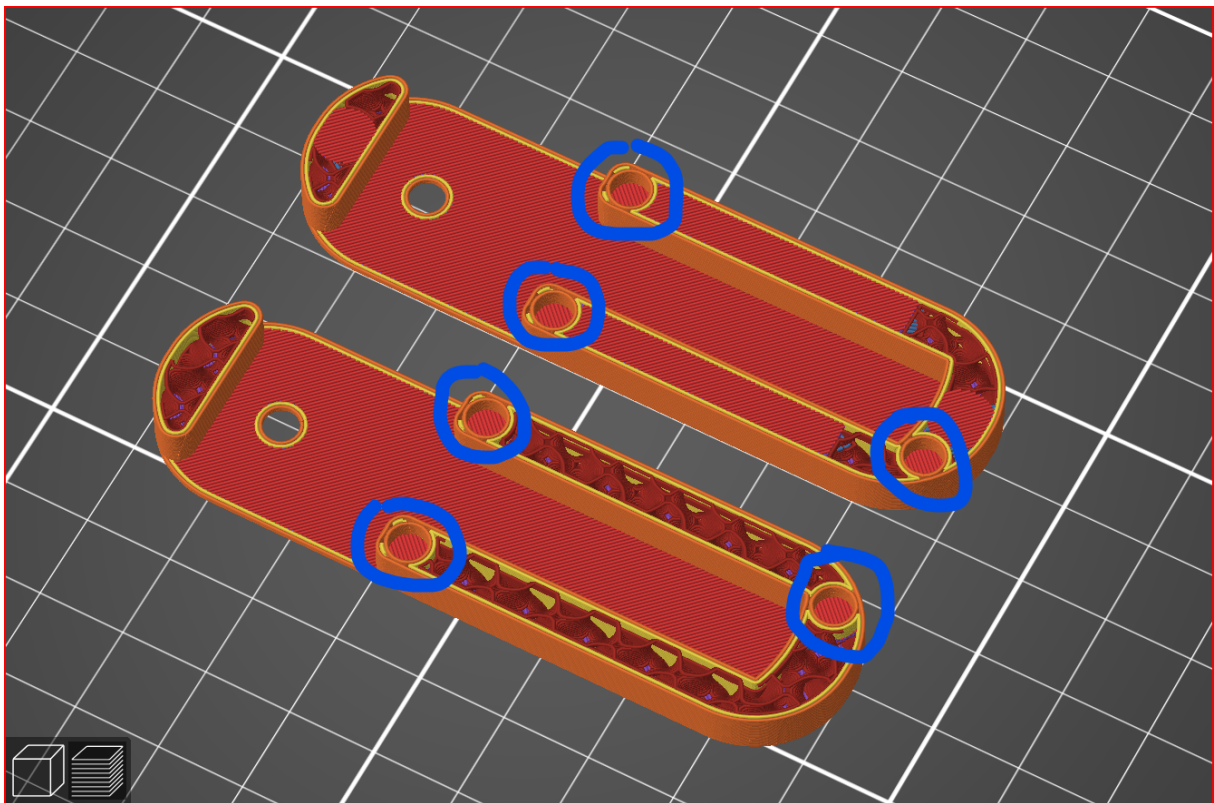
It is a simple print. Recommended layer height is around 0.15 mm. It will work with other heights as well, but bear in mind it may have an impact on the guides and pins resolution.

As for the material, I chose PETG, but PLS should be fine as well.

Select the bottom layer pattern to your liking. For this case I used the Archimedean Chords, which is also included in the attached .gcode file.

The model is designed with dedicated holes for small cylindrical magnets. You'll need 6 of them in total, each of the 4mm diameter and 4 mm height. The holes are created with 0.2 mm tolerance, so it may be a bit tight depending on your printer's and magnets' dimensional accuracy. The heights of top and bottom part are slightly different, so when printing both parts at once, two pauses will be required. The attached .gcode file takes that into account - just be prepared to insert magnets.

The placeholders for magnets are marked in the image below:



When slicing yourself, add a print pause code (M601) just before the layers that will cover the magnets in the part. The exact layer number will depend on your layer height settings.

Remember about magnets polarity!

## Assembly instructions

Use wire line, cable, thin rope or cord and thread it through the keys and both parts of the holder. Depending on your choice, make a knot or use dedicated clamp to secure the connection. Make the loop size sufficient to easily open the case and the keys inside. Feel free to attach the loop to the carabiner.

## Usage

The magnets will help you to close the case with the keys inside. The keys and the both sides of the case should slide easily over the thread. When one key is inside the key-hole, the rest should hang freely and allow for easy key operation, even in tight spaces.

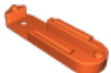
You can fit the keys stack which is up to 15 mm tall and a single key with up to 65 mm in length.

## Model files

**keys-holder-top.stl**



**keys-holder-bottom.stl**



## Print files

**keys-holder\_04n\_015mm\_petg\_mk4is\_47m.gcode**



PET 0.40 mm 0.15 mm 0.79 hrs 13 g Prusa MK4

☐ Print pause commands included in the file

**keys-holder\_04n\_015mm\_pla\_mk4is\_44m.gcode**



PLA 0.40 mm 0.15 mm 0.74 hrs 13 g Prusa MK4

☐ Print pause commands included in the file

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