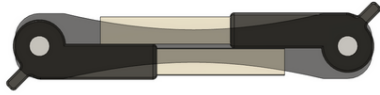


Bicycle key holders for KeySmart



asdfgeoff

[VIEW IN BROWSER](#)

updated 9. 10. 2022 | published 9. 10. 2022

Summary

Nesting sheathes for multiple bicycle lock keys (Kryptonite, ABUS) to use in a KeySmart holder.



0.26 hrs



1 pcs



0.20 mm



0.40 mm



PLA



3 g



Prusa MINI /
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Tags: [abus](#) [kryptonite](#) [keysmart](#)

Design notes

- Nests two bicycle keys side-by-side, within the same vertical space.
- Designed based on [this KeySmart unit](#), with one key for [Kryptonite New York U-lock](#), and another for ABUS Bordo XPlus 6500.
- 1mm walls seem to be sufficient strength (printed in PLA).
- 6mm notch helps pull out your key with one hand.

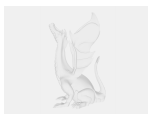
Usage Tips

- Remove the existing plastic sheath from your keys — Hold the tip of the key shaft with a pair of pliers, then use a jet lighter to slowly heat

up the shaft near the plastic, being careful not to melt the outside of the plastic. Eventually the inner plastic should soften enough to allow you to pull off the entire sheath at once.

- Carefully push the key shaft into the printed sheath. It should be a snug fit. Push key against a soft surface (e.g. carpet) to get it all the way in.
- If fit is too snug, your overhangs may be droopy, so slightly sand the top inner edge. Else, download the Fusion 360 file and modify tolerances yourself.

Model files



combined.3mf

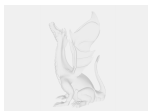
📄 3D model (for visualization, not printing)



kryptonite.3mf



abus.3mf



bicycle-key-holders.f3d

📄 Original Fusion 360 design file

Print files



kryptonite_and_abus.gcode

🌀 PLA 📏 0.40 mm ≡ 0.20 mm ⌚ 0.26 hrs ⚖️ 3 g 🖨️ Prusa MINI / MINI+

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