

Parametric Box v2 (double clasp)

TheSameNameTwice

VIEW IN BROWSER

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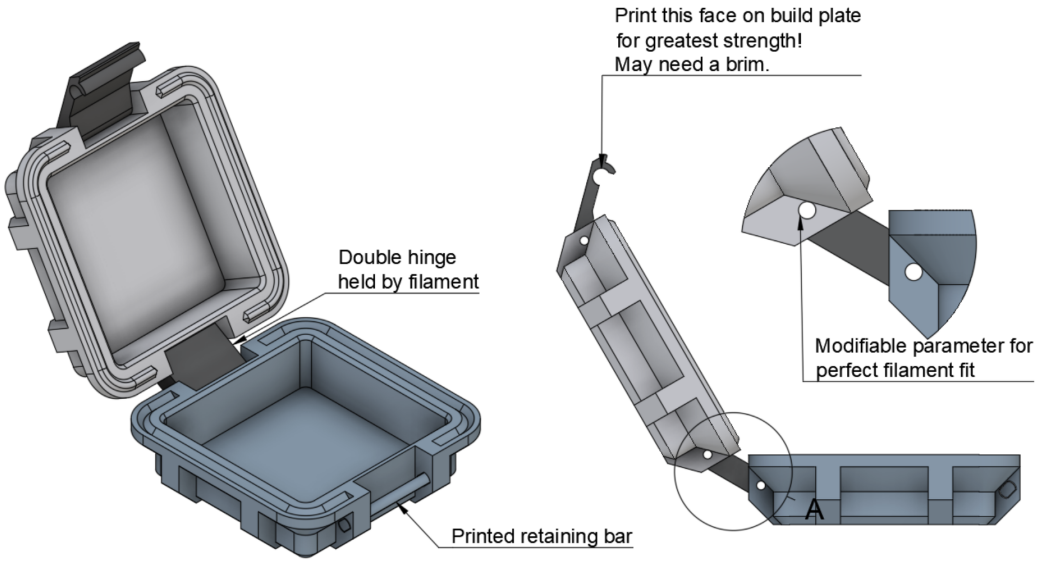
Summary

A highly improved version of my previous parametric box that incorporates a better hinge and clasping mechanism. Enjoy!

Hobby & Makers > Organizers

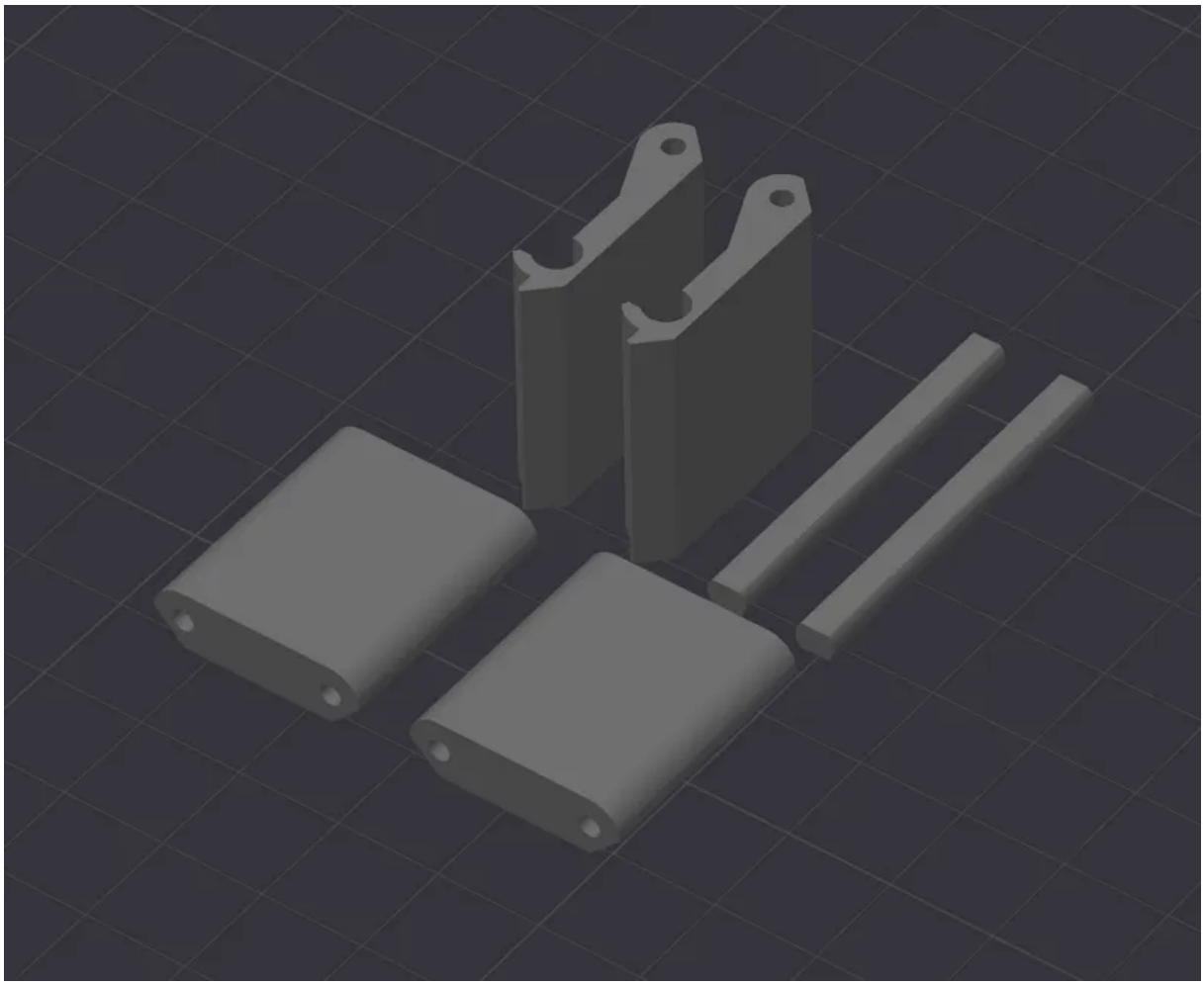
This parametric box has been redesigned from the ground up to fix the long-standing issues users were having while taking into account a couple of personal goals for design considerations.

- Fully 3D-Printed, no hardware needed!
- Flush hinge and clasp, allowing users to neatly store multiple boxes next to each other.



- Completely redesigned the hinge mechanism to be a double articulating motion held captive by 1.75mm filament. The filament holes are modifiable dimensions to allow each user to hone in a perfect fit.
- Latching mechanism is now printed separately so it can be printed in the best orientation for strength. The clasp is also held via filament at the top.
- The retaining bar at the bottom is also printed separately and inserted through the side of the bottom object. This design choice was made to prevent users from needing to print with overhangs or support material.

Please print the hinge, clasp and retaining bars in this orientation for greatest strength.



Please share your makes and be sure to tag this design if you remix it. I loved seeing the iterations you came up with over the years and look forward to seeing your continued creativity!

Filaments I Use

Polymaker PolyTerra Matte PLA	Amazon
Polymaker PLA	Amazon
Hatchbox PLA	Amazon
Prusament PLA	Prusa3D
Atomic PLA	Atomic Filament

Please note that the links provided on this website are Amazon affiliate links. As an Amazon Associate, I earn from qualifying purchases, which means I may receive a small commission at no additional cost to you.

This remix is based on



Parametric Box v2 (single clasp)

by TheSameNameTwice

Model files

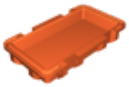
100x50x30 5 files



pin-2x.stl



top.stl



bottom.stl



hinge-2x.stl



clasp-2x.stl



parametric-box-v2-double-clasp.f3d

Upload to Fusion360 to modify

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