CASLArt3D

CHARYBDIS MINI TRAVEL CASE

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Version A, December the 8th 2024

WHY?

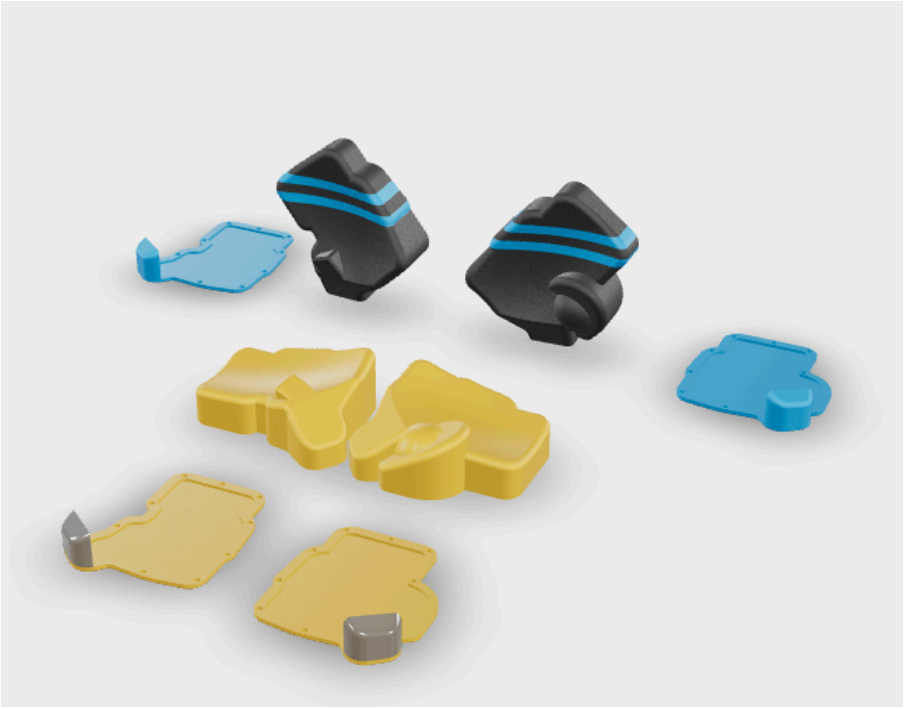
Hello and thanks for downloading this file for 3D printing your own **Charybdis Mini Travel Case** for your keyboard!!

I have a Charybdis mini wireless keyboard and I was not happy with the lack of options for protecting it during my commutes. Working in an IT company means that some days it is office and some others it is working from home. Since Charybdis mini is my favorite keyboard I really needed a way to carry it safely.

I had in mind a very curvy and organic travel case that fitted perfectly the keyboard. **More than 50 hours of design and lots of filament in prototypes** were invested to get the final result. Now I can throw my keyboard with the travel case inside my backpack when commuting and it is perfectly protected. Each side is formed by two pieces that snap together perfectly with **6mm diameter and 3mm height magnets**. All the design was done in **Shapr3D on my iPad Pro**, which BTW is an amazing tool.

Case was designed with my keycaps in mind. I have tried both **XDA and HSA keycaps and it fits great**. You may need to adapt the base of the keyboard for fitting your own keycaps, especially if you use SA or MT3 or some tall keycaps.

Link to 3D online viewer View the case in 3D even in augmented reality!!!



CONTENTS OF THIS ZIP FILE:

ReadMeFirst.pdf This File

Pictures Some pictures are included in this zip file.

Flat version folder Flat version of the bottom part, no flange. Base should be easier to adapt and modify, even for Flange version if needed.

Top cases (3MF)

Bottom cases (3MF, STEP editable file)

Flange version folder Version with a flange on the bottom part, which is easier to open by using your thumb in the flange. It is also more aesthetically pleasing if you print both parts in different colors.

Top case (3MF)

Bottom case (3MF)

LICENSE

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Does this mean I can print it and use it for free? Yes! But I would like to ask you for a couple of things:

1. Please follow my instagram @CASLArt3D for more designs like this

2. If you like this and find this useful I would really appreciate if you could buy me a coffee, this will help me a lot with future designs.

3. Please share your print on your social media and tag me!!! Thanks!!

HOW TO PRINT:

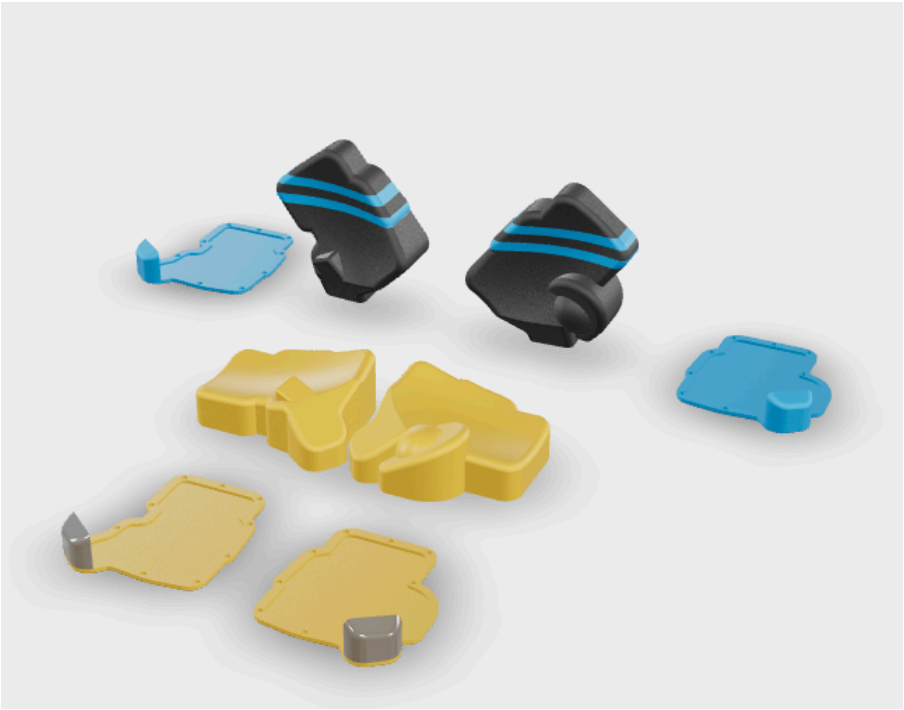
PLA with 0.4 nozzle and 0.08 layer height

Best approach so far that I have found to print the case is:

- **Top parts**, Vertically, using the small cut surface for the flange in the thumb cluster and use tree organic supports. There will be some minor marks in the outside of the case because of the contact with the bed and some external supports, but for the rest of the print it will be perfect. Please see the version with the stripes for orientation. You can also print the non flanged yellow top case like this. As an alternative, you can print it flat (please see yellow top cases in the image but some marks due to resolution will appear on the top surface)

- **Bottom parts**, lay them naturally on the printing bed

Also something that worked well for me is to disable the options Speed - Overhang speed - Slow down for overhangs and Slow down for curled perimeters in Orca Slicer



FINAL WORDS

I have invested a lot of work on this case and I am really proud of the results.

Again, thanks a lot for your support, it does mean a lot to me. Following my instagram @CASLArt3D or buying me a coffee in Buymeacoffee will help me a lot to create even more amazing designs.

Hope you enjoy your **Charybdis Mini Travel Case**!!

@CASLArt3D