



Pocket iPad Stand Parametrics - Functional Hinge

 **Bookaroo**

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Summary

**Update 13-oct-2019, I modified the hinge gap to 0.4mm, and added a smaller version for an iphone with a case and a...

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**Update 13-oct-2019, I modified the hinge gap to 0.4mm, and added a smaller version for an iphone with a case and a ipad mini version with a case, the slots are a little larger.

A little design of my own, it was a request to fill a need, having a small portable stand for an iPad Mini, for work during lunch or at the coffee shop.

The design I have come up with is simple, and the cool thing about it is that there is no assembly required, you just print this, and it's a functional hinge.

It was done in Fusion 360, and printed on my HicTop 3DP12 printer.

It works well with any iPad.

I had to print it a couple of time (ok many times because of video production needs) but all in all, it was an easy design and I like it a lot.

Print Settings

Printer:

HicTop 3DP12

Resolution:

0.1 mm

Infill:

100%

Notes:

You have to have the first layer 0.1mm or 0.2mm the hinge will be fused if you start at 0.3mm, printable in 0.1mm and 0.2mm so you keep the 0.4mm for the hinge.

If you have trouble opening the hinge, lightly pass an exacto knife in the gap of the hinge to help separate the hinge.

This functional ipad stand fully assembled without supports.

The fusion 360 file has many parameters, so you could do other version for iPhones, other tablets ect.

P.S: You can also find me on :

Youtube <https://www.youtube.com/c/Franks3Dshop>

Facebook: <https://www.facebook.com/Franks-3D-Shop-567006427024034/>

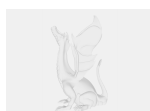
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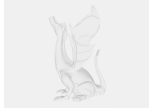
Model files



large_display_ipad_mini_stand_01mm_132204.stl



large_display_iphone_stand_with_case_01mm_132204.stl



large_display_ipad_mini_stand_01mm_132204.stl



large_display_ipad_mini_stand_01mm_with_case_1322.stl



ipad_mini_stand_01mm_with_case.stl



ipad_stand_parametric_v8.f3d



ipad_stand_parametric_v16.f3d



ipad_stand_for_19cm_case.stl



ipad_mini_stand_01mm.stl



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iphone_stand_with_case_01mm.stl

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