



Phone Case with Integral Stand (2)



LoboCNC

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Summary

A phone stand that will always be there when you need it. This is an alternate version of my phone case with integral...

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A phone stand that will always be there when you need it. This is an alternate version of my phone case with integral stand that is a little less fussy than the original. The back of the case has two fold-out arms that can be used to prop up the phone - one for portrait mode and one for landscape mode. Each arm can be folded out, and then slid upwards into a small notch to lock it in place.

The 100% scaled case fits my Moto G7 phone, but by scaling X&Y, and also Z, it should fit a wide variety of your basic rectangular slab phones.

Print Settings

Printer:

UDIO

Rafts:

No

Supports:

No

Resolution:

0.2mm

Infill:

20%

Filament:

Inland PLA

Notes:

To get the XY percentage scale for your particular phone, first measure your phone width in INCHES as accurately as possible and then multiply by 33.73. (For phone width in MM, multiply by 1.328) To get the Z percentage scale, measure the phone thickness in INCHES and multiply by 317.46. (For phone thickness in MM, multiply by 12.50)

I'd recommend first applying the scaling to the TestPrint part first and see how well that fits your phone. You want a snug fit so that your phone won't slide out accidentally. Once you've verified that the XY and Z scales work for your phone, you can go ahead and print the CASE2 and two of the PROP2 parts with that scale.

Also note that the case rises higher on one side. If your phone buttons are arranged differently, you may want to mirror all of the parts so that the clearance for the buttons is on the correct side.

Lastly, print all parts with a 0.4mm line width.

Post-Printing

After printing, examine all of the parts to see if the first layer squished out at all. If it did, you'll need to carve off that bottom layer lip to make everything fit nicely.

To assemble, lay the case on the table and then lay both PROP2 pieces in place. Then slide in your phone. The phone itself holds the prop pieces in place.

If all goes well, the little nub on the bottom side of each arm will hold it closed when folded flat into the case. When you fold one arm out, you can then slide it upwards into a small notch (only about 2mm) that will hold the arm in the open position. Don't forget to slide the arm back down out of the notch before attempting to fold it back flat.

Category: Mobile Phone

Model files

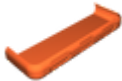
case2.stl



prop2.stl



testprint.stl



[Find source .stl files on Thingiverse.com](#)

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