



Gyroid Pen Holder



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Summary

Created in PrusaSlicer with modifier meshes, read this tutorial to learn more: <https://blog.prusaprinters.org/model-...>



5.19 hrs



1 pcs



0.20 mm



0.40 mm



PLA



45 g



Prusa
MK3/S/S+

[Household](#) > [Office](#)

Tags: [table](#) [organizer](#) [holder](#) [desk](#) [pencil](#) [pen](#) [stand](#)

Created in PrusaSlicer with modifier meshes, read this tutorial to learn more:

<https://blog.prusaprinters.org/model-with-prusaslicer-modifier-meshes-tutorial>

If you slice this yourself, make sure that the **infill anchoring** is set to 0. I've updated both the G-code and the 3MF to have this already set-up.

This way, all 4 sides will look the same and pretty.

Infill

◆ Fill density:	 • <input type="text" value="20%"/> %
◆ Fill pattern:	 • <input type="text" value="Grid"/>
◆ Length of the infill anchor:	  <input type="text" value="0"/> mm or %

The old version had 2 nice sides and two that didn't look quite as well.

I've also changed the 3MF and use a height-range modifier instead of a modifier mesh. The result is the same, but it makes more sense this way and is easier to modify.

Printed from Prusament Mystic Brown and Prusament PLA Oh My Gold. I think it could also look really nice with a color change right where the visible infill begins, if you try to print it that way, I would love to see a picture of it :)

Model files



gyroid_pen_holder.3mf

Print files



gyroid_pen_holder_02mm_pla_mk3s_5h12m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 5.19 hrs ⚖️ 45 g 🖨️ Prusa MK3/S/S+

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