



Fidget Toggle Switch

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updated 30. 12. 2021 | published 16. 11. 2021

Summary

It's a pocket-sized light switch!

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This fidget toy is a tiny, clicky toggle switch! It's fully printable in about an hour and is only four pieces. You can change the "snap" effect by using either spring option and/or different materials.

EDIT (18 Nov 2021): Because a few makers have said that the springs are stiff, I added a new *ReallySoftSpring* STL file.

EDIT (30 Dec 2021): Thank you to everyone for posting your makes!!! It's blowing my mind that people *all over the planet* are printing this! Thanks for the filament recommendations and beautiful color combinations. Cheers to 2022!

Print Settings

- **Nozzle Size:** 0.4mm
- **Layer Height:** 0.2mm
- **Vertical Shells:** 2

- **Top/Bottom Layers:** 4
- **Infill:** 15%
- **Supports:** Nope

You'll need 2x Case, 1x Toggle, and 1x of either the HardSpring or SoftSpring or ReallySoftSpring.

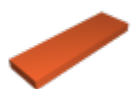
I recommend printing all of springs and trying them out to find what *feels* best for you. For most filaments, I found the HardSpring works best, but if the filament is particularly stiff, use the SoftSpring or ReallySoftSpring.

The tolerances should be generous enough, but if you are having any problems, check your flow rate.

Assembly

1. Place the spring into one side of the case. Try out the HardSpring first as it should last longer *theoretically*. If you are using the SoftSpring or ReallySoftSpring, the cutout should be facing away from the peg.
2. Place the toggle on to the peg in the case and test out the movement. Note that the action will be stronger with both side of the case present.
3. Attach the other side of the case and enjoy! The case should hold together with friction, but if not, a small amount of glue should suffice.

Model Files (.stl, .3mf, .obj, .amf)

[↓ DOWNLOAD ALL FILES](#)


FidgetSwitch-HardSpring.stl

updated 16. 11. 2021

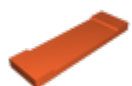
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FidgetSwitch-Case.stl

updated 16. 11. 2021

52.4 KB



FidgetSwitch-SoftSpring.stl

updated 16. 11. 2021

1.4 KB

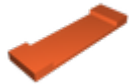




FidgetSwitch-Toggle.stl

updated 16. 11. 2021

98.3 KB



FidgetSwitch-ReallySoftSpring.stl

updated 18. 11. 2021

1.4 KB



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