Yet Another Fidget Infinity Cube v2

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VIEW IN BROWSER

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Summary

v2 of my cube features easier-to-print joints, more durable construction, and a design that should be more compatible with a range of print settings. I highly recommend printing this version over the previous v1 (https://www.thingiverse.com/thing:2595224).

A small test file has been included so that you can try out your print settings before printing the entire model. You can try rotating it to print in all 3 of the required joint orientations if you wish. There is also a rounded variant of the cube, which is more difficult to print, but nicer to hold.

Prints at 0.2 mm layer height and takes about 3-3.5 hours. Requires about 12 m (37 g in PLA) of filament. Please let me know your results!

3 hrs	1 pcs	0.20 mm	0.40 mm	PLA	37 g	MK3/S

Toys & Games > Puzzles & Brain-teasers

joint cool easy yet v2 pla abs kobayashi
another revised revision version two toy spinner

puzzle print mechanical infinity hinge game fun fidget cube

This thing is *optimized for 0.2 mm layer height*. Please try that first before any other resolutions. It's also designed for a 0.4 mm nozzle width, so no guarantees it will work well with another size.

10% infill is more than enough to support the top surfaces if you have good cooling. Go up from this number if you prefer a bit heftier of a cube, which makes it a bit more fun to play with IMO. My coworkers fight over the 100% infill cubes I've brought into the office.

Some other tips for best print results: use the part cooling fan at 100% (except for your first layer), turn the model diagonally in your slicer so that X and Y axes move together for most of the moves, use 2+ vertical shells/perimeters for strength, and print at the coolest temperature you reasonably can for your material to avoid stringing or lamination where it's unwanted.

Cura users: Be sure to disable "Ignore Small Z Gaps" under your "Shell" settings or this will not slice properly and the joints will be fused together!

Print Files (.gcode)

↓ DOWNLOAD ALL FILES

| 72×72 | **yafic_v2_02mm_pla_mk3.gcode**
updated 8. 5. 2019
🕐 3.35 hrs ≣ 0.20 mm ⬇ 0.40 mm ⊗ PLA ⚖ 37.00 g 🗒 MK3/S | 5.2 MB | ↓ |

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

↓ DOWNLOAD ALL FILES

| 72×72 | **yafic_v2.stl**
updated 8. 5. 2019 | 2.3 MB | ↓ |

| 72×72 | **yafic_v2_rounded.stl**
updated 8. 5. 2019 | 5.7 MB | ↓ |

| 72×72 | **yafic_v2_test.stl**
updated 8. 5. 2019 | 240.5 KB | ↓ |

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