



Kobayashi / Fidget / Infinity Cube - Torture test - MMU2s edition



KoueKoffie

VIEW IN BROWSER

updated 19. 2. 2020 | published 19. 2. 2020

Summary

UPDATE - I added a second version with the hinges not going all the way through the cubes since this looks a bit...



16.47 hrs



1 pcs



0.20 mm



0.40 mm



PLA



121 g



Prusa
MK3S/S+ &
MMU2S

[Toys & Games](#) > [Other Toys & Games](#)

Tags: [torturetest](#) [clearancetest](#) [fidgetcube](#)

UPDATE - I added a second version with the hinges not going all the way through the cubes since this looks a bit nicer, it does print a bit more difficult so I would suggest first print the older version and then the updated version, the newer version also requires some more force to break the hinges free so a pair of pliers may be required. (new version - 5c_janfidget_rev3-cube_2-2.3mf)

This was inspired by <https://www.thingiverse.com/thing:1923755>

Although redesigned from the ground up.

This has a nice hand feel and the clearances are MUCH tighter - in fact you need to break the hinges loose from the cubes - this is intentional. The first few folds of the cube will be tight but the idea was to push my printer to its limit. I would suggest first to print a 125% size one and see if your printer manages the clearances if it does then you can scale down to 100%.

All components are separate files so needs to be loaded using Prusa slicer with an MMU selected. Also make it possible to select a colour per hinge/block.

on 100% the clearances is 0.1mm in all cartesian directions (x y z)

Print instructions

I like to use supports on build plate only. But should print fine without supports.

Layer height 0.1 or 0.2 mm

Cubes printed with 15% infill and the hinges with 100% infill

Take note: just after printing you need to break the hinges loose from the cubes - this takes some effort and could require the use of tools. If you are unable to break the hinges loose then you have failed the clearance test ;)

Model files



3c_cube_2-2-prusa-prj_rev2.3mf



5c_janfidget_rev3-cube_2-2.3mf

Print files



3c_cube_2-2-prusa-prj_rev2_02mm_pla_mk3smmu2s_1.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 16.47 hrs ⚖️ 121 g

🖨️ Prusa MK3S/S+ & MMU2S

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

License ©

This work is licensed under a
Creative Commons (4.0 International License)



Attribution

-
- ✗ | Sharing without ATTRIBUTION
 - ✓ | Remix Culture allowed
 - ✓ | Commercial Use
 - ✓ | Free Cultural Works
 - ✓ | Meets Open Definition