



## Fluxi - modular fidget slider



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### Summary

Coollest magnetic fidget slider! Mix & match, click & slide!

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Tags: [slider](#) [spinner](#) [magnetic](#) [magnets](#) [fidget](#) [mix](#)  
[match](#) [clicker](#)



## **\*\* UPDATE \*\* - 10.05.2023**

I've decided to remove alternative versions of the Fluxi, now only the 4x2mm magnet version remains. Added a video showcasing my favourite Fluxi setup.

### **Fluxi - endless fun!**

Let's face it - Fluxi is not innovative or groundbreaking, but it is cool and fun as heck.

It is designed to provide a satisfying and engaging sensory experience for people who need to keep their hands busy or relieve stress. Fluxi features a series of interlocking magnetic discs that slide along a track, creating a mesmerizing and rhythmic motion that can be enjoyed for hours on end. Or annoy your coworkers (my Fluxi is already banned lol).

## Mix&Match, have fun with colors!



Experiment with different colors, mix&match plates of the same size to create multi-staged slider and show me what you can do with Fluxi! I recommend textured outside plates and smooth plate for the inside. But there are no rules! Do what you want!! Make a 6 story sandwich! Experiment with infill patterns, top/bottom patterns to create the most interesting look!

For starters, I'd recommend one textured plate and one smooth or the sandwiched design seen in picture above.

**For the best clicking feeling I'd recommend one 2x4 textured plate, two 2x4 smooth plates and one 2x2 smooth plate! It has additional function of being a clicker!**

Different print surfaces, different materials and configurations (magnet direction etc.) create different sliding and snap feeling, experiment!!

## What do I need?

- about 1h to print one complete Fluxi
- 8 of supported magnets **PER SIDE** (currently 4x2mm, 6x3mm and 5mm balls)

- that's it :)

## What do I need to know?

You need to make sure your printer is dialed in, there are tight tolerances in this project. You can print a test from the “tests” folder to check tolerances with your magnets.

These are tolerances for every version:

- **4x2mm magnets:** friction: Ø4.2mm, Ø4.3 for embedded and 2.4mm depth (both)

Be careful when inserting embedded magnets! In my case I ruined one print, because i moved the bed :P (I got Ender 3 Pro).

**Watch out for the polarity of the magnets!! - One side has to be of one polarity and the other of the opposite.**

The friction-fit version does not feature textured top.

The sliding side is best printed on glass surface (or G10/smooth PEI) to slide better.

If you are able to, print the textured-top with eg. TPU! Much improved grip.

You can also use 2x2 on 2x4 to have different sliding feeling!





**Printin' settings**

- 0.2mm layer height
- infill: whatever works for you, I printed at 20%, cross 3D looks cool if you're using translucent filament
- no supports
- pause to insert magnet and you can insert filament change at your preferred layer
- PLA works nicely
- After print, if the magnet does not want to go into friction hole, make it. With a hammer or smth until it sits flush

## **Download and a like is appreciated!**

If you like the project, support me by using it! If you need a bit different size or different magnet variation, please leave a comment and I'll see what I can do about that!

## **Remix and show me what can be done!**

Create new textures, just go wild!

# Model files



**Fluxi**

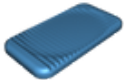
4 files



**fluxi-4x2-4x2mm-smooth-embedded.3mf**



**fluxi-4x2-4x2mm-smooth-friction.3mf**



**fluxi-4x2-4x2mm-textured-concave-embedded.3mf**

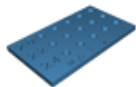


**fluxi-2x2-4x2mm-smooth-friction.3mf**

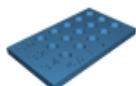


**Tests**

2 files



**4x2mm-magnet-fit-test.3mf**



**6x3mm-fit-test.3mf**

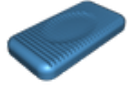


**OLD**

4 files



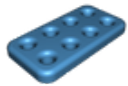
**fluxi-6x3mm-friction.3mf**



**fluxi-4x2-ball5mm-textured-embedded.3mf**



**fluxi-2x2-6x3mm-smooth-friction.3mf**



**fluxi-4x2-ball5mm-smooth-friction.3mf**

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