



Flip Tile: Magnetic Fidget Toy



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Summary

Magnetic tiles that snaps together no matter the orientation

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Introduction:

- Flip tiles has magnetic balls trapped inside their corners. The magnetic balls are free to spin, they orient themselves when two tiles interact, **no matter the orientation.**

Print instructions:

- Every tile require four **5mm diameter magnetic balls.**
- The tiles should be printed at 0.2mm layer height, or finer.
- Print without supports.
- Pause the print on 6mm, insert the magnetic balls, then continue printing.

Note:

- The concept of **magnetic snapping using spherical magnets** is inspired by [Winston Moy's Magnetic Drink Coasters](#) project.

Model files



fliptiles.stl

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