



## Mix 'n Match Twisty Fidget

 3D Printy

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### Summary

A small twisty fidget with many mix-and-match grip styles and click effects.

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

Tags: [fidget](#) [gear](#) [click](#) [knurled](#) [magneticcase](#) [rattle](#)  
[magnetisch](#)

A small twisty fidget with many mix-and-match grip styles and click effects.

[https://www.youtube.com/watch?v=JEpwT3CWw\\_c](https://www.youtube.com/watch?v=JEpwT3CWw_c)

### Customization

#### Grip Options

- Plain - Great for adding your own text around the side of the fidget!
- Rib
- Scalloped
- Grip
- Gear
- Knurled
- Turbine

- Round

## Effect Options

- **Click** - The top and bottom halves of the fidget clap for a sharp click sound
- **Rattle** - Loose magnets rattle as jump between attract and repel pairs

## Magnet Options

- 6x3mm magnets - Strongest force
- 3x3mm magnets - More magnet holes for greater customization

## More Customization

- [Mushroom Twisty Fidget](#)
- [Remixes](#)
- Use the included STEP files to create your own!

## Printing

- Designed for 0.2mm layer heights
- All parts can be printed without supports
- Pause the print to embed magnets - Make sure magnets are oriented so that both sides of the fidgets will pull together.
- Optional: when printing the 3x3mm version, alternate magnet orientation between attract and repel for fewer click spots and a stronger snap.

## Assembly

- Test screwing the top and bottom core parts together to make sure they fit well. You may need to wear them in a little if they are too tight.
- If the core parts are too loose, you may need to add glue during final assembly. Keeping them unglued is recommended so you can reconfigure your fidget in the future.
- Attach the two sides of your fidget so that the magnets pull them together.
- Lock the two sides of the fidget together with the core.

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## Model files

 **Demo** 4 files

	<b>demo-all-files-6x3mm.3mf</b>
	<b>demo-all-files-3x3mm.3mf</b>
	<b>demo-all-files-6x3mm.stl</b>
	<b>demo-all-files-3x3mm.stl</b>



## Core Parts

2 files



**core-top.stl**



**core-bottom.stl**



## Click Parts for 6x3mm Magnets

8 files



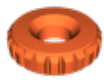
**plain-click-6x3mm.stl**



**rib-click-6x3mm.stl**



**scalloped-click-6x3mm.stl**



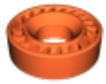
**grip-click-6x3mm.stl**



**gear-click-6x3mm.stl**



**knurled-click-6x3mm.stl**



**turbine-click-6x3mm.stl**



**round-click-6x3mm.stl**



## **Rattle Parts for 6x3mm Magnets**

8 files



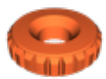
**plain-rattle-6x3mm.stl**



**rib-rattle-6x3mm.stl**



**scalloped-rattle-6x3mm.stl**



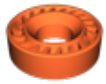
**grip-rattle-6x3mm.stl**



**gear-rattle-6x3mm.stl**



**knurled-rattle-6x3mm.stl**



**turbine-rattle-6x3mm.stl**

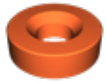


**round-rattle-6x3mm.stl**



**Click Parts for 3x3mm Magnets**

8 files



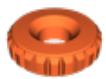
**plain-click-3x3mm.stl**



**rib-click-3x3mm.stl**



**scalloped-click-3x3mm.stl**



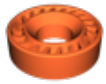
**grip-click-3x3mm.stl**



**gear-click-3x3mm.stl**



**knurled-click-3x3mm.stl**



**turbine-click-3x3mm.stl**

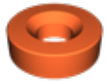


**round-click-3x3mm.stl**



**Rattle Parts for 3x3mm Magnets**

8 files



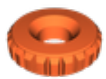
**plain-rattle-3x3mm.stl**



**rib-rattle-3x3mm.stl**



**scalloped-rattle-3x3mm.stl**



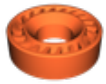
**grip-rattle-3x3mm.stl**



**gear-rattle-3x3mm.stl**



**knurled-rattle-3x3mm.stl**



**turbine-rattle-3x3mm.stl**



**round-rattle-3x3mm.stl**



**Templates**

2 files

**template-all-files-3x3mm.step**

**template-all-files-6x3mm.step**

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