

Magic Pawzzle

3D MODEL DESCRIPTION

Don't worry, solving this is completely pawsible, and the result is purrrfect.

- This STL file is recommended for FDM Printers!
- 3D Printing Time Based on **Ender 3**: 01 Day 13 Hours 10 Minutes (will vary accord to you printer model)
- Approximately Height: 9,0 cm
- You will need 6 **M3-20mm Screw** - [Amazon](#) / [Aliexpress](#)

3D PRINT FILE SETTINGS (FOR 0.4 MM NOZZLE)

- **Line Width/ Nozzle:** 0.4 mm
- **First Layer Line Width:** 0.48 mm / 120%
- **Average Speed:** 20mm/s (First Layer) / 50mm/s (All the other layers) | 20 mm/s (First Layer) / 500 mm/s (All the other layers on Bambu Lab)
- **Recommended Initial Layer Height:** 0.16 mm
- **Recommended Layer Height:** 0.16 mm
- **Recommended Perimeters/ Walls:** 3.
- **Recommended Infill (%):** 10% (Gyroid)
- **Needs Support:** Yes.
- **Build Plate Adhesion:** Brim.

The parameters above are recommendations made by our staff; if you prefer, you can adapt them according to your preferences.

Happy Printing!

3D MODEL ASSEMBLY MECHANISM 2X2

Set aside the Core piece, the Center pieces and the specified screws. Screw 5 Center pieces to the Core, leaving one without screws for easier assembly.



Fit 2 Fixed Edges between the Centers, and the Fixed Corner between the Fixed Edges. Then, place the last Fixed Edge to lock in the Fixed Corner.



Complete the spaces with the other Edges and Corners.

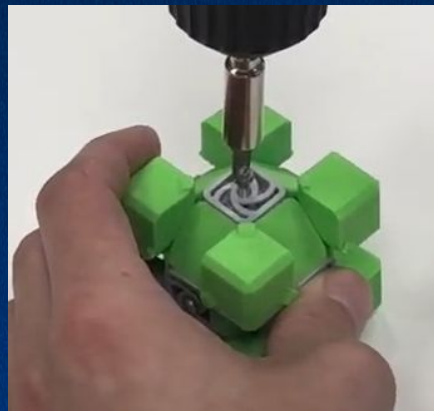


3D MODEL ASSEMBLY MECHANISM 3X3

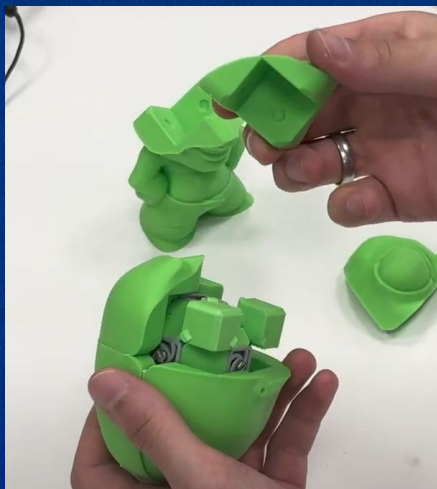
Turn the cube with the unscrewed side up and place the remaining Corners and Edges interchangeably, following the pattern of the other pieces. For easier finishing, leave an Edge to fit as the last step.



Screw the Center piece that was left unscrewed on step one to finish the mechanism assembly. Tight or loose the screws for better movement.



Lastly, organize the remaining pieces following the reference image to form the shape of the cube you chose, then fit the lids on their designed places, pressuring them against the cube.



3D MODEL ASSEMBLY

For the 2x2 mechanism's assembly, you'll need:

7x Normal Corner

1x Fixed Corner

6x Center

1x Core

3x Fixed Edge

9x Normal Edge

12x Edge Lock

