

## Gridfinity Snap Together Baseplate with Captured Magnets

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### Summary

Economical and connectable magnetic baseplates. No glue needed for magnets or connections.

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Zack Freedman's original Gridfinity Base Plates  
<https://thangs.com/designer/ZackFreedman/3d-model/Gridfinity%2520Baseplates-60925>

Also inspired by <https://www.printables.com/model/250550-gridfinity-magnet-light-baseplate>

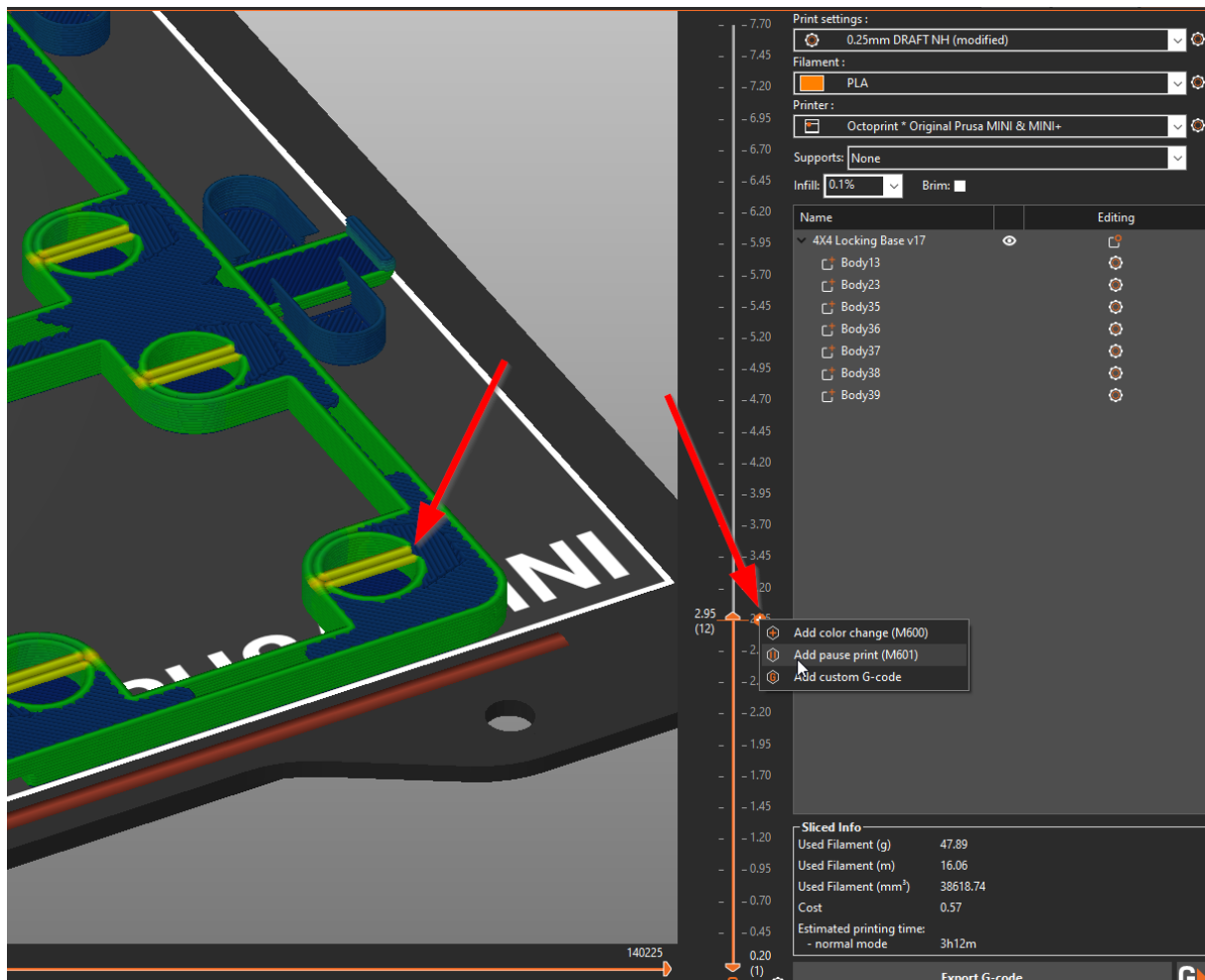
Optimal settings:

- **To install 6x2mm magnets, add a Pause in your slicer at the beginning of the layer where the magnet holes start to get covered - see picture below**
- Single external perimeter of 0.8mm with 0.4-0.6mm nozzle
- Arachne Perimeter Generator if you have it. Otherwise enable Detect Thin Walls

- Infill: 1% (Infill isn't necessary but Prusa slicer doesn't bridge in some key areas if the infill is zero)
- Prusa Mini: disable the skirt to fit a 4x4 plate
- For edge pieces the protruding snaps can be removed using the cutting tools in your slicer

Each protruding snap has a built in support that needs to be removed after printing

Connecting a tile into a corner will be difficult, so connect tiles together in strings and then connect the strings together



Changes:

- Jan 3-2023 Added 5X and CAD files

# Model files



5X

8 files

5x5.3mf

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5x4a.3mf

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5x4b.3mf

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5x3a.3mf

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5x3b.3mf

---

5x2a.3mf

---

5x2b.3mf

---

5x1.3mf



4X

6 files

4x4.3mf

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4x3a.3mf

---

4x3b.3mf

---

4x2a.3mf

---

4x2b.3mf

---

**4x1.3mf**



**3X**

4 files

**3x3.3mf**

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**3x2a.3mf**

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**3x2b.3mf**

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**3x1.3mf**



**2X**

2 files

**2x2.3mf**

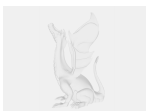
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**2x1.3mf**



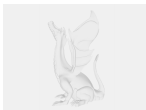
**Build Your Own**

7 files



**4x4.f3d**

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**pieces-split.step**

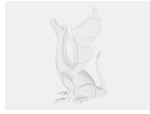
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**pieces-split.3mf**

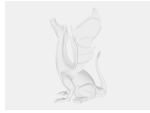
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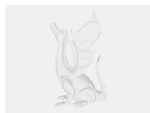
**5x5.step**



**4x4.step**



**3x3.step**



**2x2.step**

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