



## Magnetic Tiles Haunted House: Roof



3DPmom

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### Summary

Here are the roof pieces for the magnetic tile haunted house.

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Here are the roof pieces for the magnetic tile haunted house.

PLA Filament works great

Layer height 0.2mm

Infill 15-20%

No supports need but I do recommend brims for these pieces when printing.

Neodymium magnets needed: 20x5x2 and 10x5x2 OR 12x5x3 (for chimney)

Magnetic build plate highly recommended but not absolutely necessary.

For the four roof pieces, you will need to use 20x5x2 neodymium magnets only. I strongly recommend using these size magnets. If you go larger it may not allow the magnets to rotate within their chambers.

For the chimney you will need 10x5x2 **OR** 12x5x3 neodymium magnets.

For all of these pieces, add a pause print to insert the magnets as show in the photos for each design. When the print is paused insert the magnets.

Except for the chimney print, you need to pause the print twice for all of the pieces: the first pause will be at layer height 7.8mm; the second pause print will be at 87.2mm.

For the second set of magnets to be inserted at the 87.2mm height you will need to to place a magnet on the outside of the print to hold the 'inside' magnet in place. (Otherwise the magnet may 'jump out' and stick to the print head.)

After the magnets are inserted/secured, resume the print. When you are done with the print simply remove the magnets off from the outside of the print. That's it:)

Here is a link to Amazon for the magnets needed for these prints:

<https://www.amazon.com/shop/3dpmom>

## Model files



**chimney.stl**



**roof-corner.stl**



**roof-deep-dormer-panel.stl**



**roof-dormer-panel.stl**



**roof-side-panel.stl**

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