



Noise isolation feet for 2020 corners

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Summary

The cooling fan on my Tronxy X3 resonated through my table and floor in my print room above my living room providing a...

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The cooling fan on my Tronxy X3 resonated through my table and floor in my print room above my living room providing a constant hum. Thought I hearing things for a while. I developed these feet to reduce the vibration and quiet my printer down.

Three thicknesses--1.5, 1.6, and 1.8. Depending on your type of filament used and how much flex you might need. 1.6 should be good for most, but if your PLA is too stiff, you can drop down to the 1.5. If the feet seem too soft, you can jump up to the 1.8s.

The 1_5, 1_6, and 1_8 denotes the thickness in mms. Thinner for harder materials.

Print Settings

Printer:

Tronxy X3

Rafts:

No

Supports:

No

Resolution:

0.2mm-0.28mm

Infill:

20%

Notes:

Used two shells.

Higher temp Raptor PLA is a bit softer than bargain PLA and works well with the 1.6 size feet. Stiffer PLA may be better using the 1.5 sized file.

Or could try using thicker ones of the back feet since the weight is more heavily distributed in the rear.

Hopefully your slicer zigzags between the shells making them stiffer. A lower layer height might help.

How I Designed This

Based on a cross-section of a donut shape. Used my drug of choice. Onshape. I can rough out my design using my iPad and then switch to my iMac where I can work a bit faster.

Category: 3D Printer Parts

Model files



corner_foot_1_5.stl



corner_foot_1_6.stl



corner_foot_1_8.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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