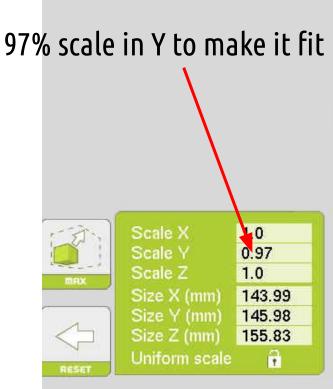
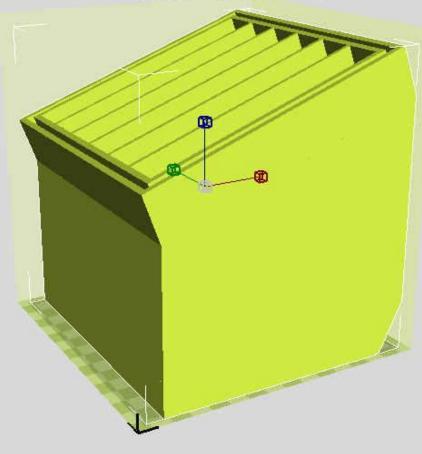
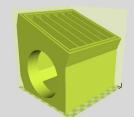
The World's First Open Source, D, H: 144.0, 146.0, 155.8 mm

Gutter Leaf Eliminator



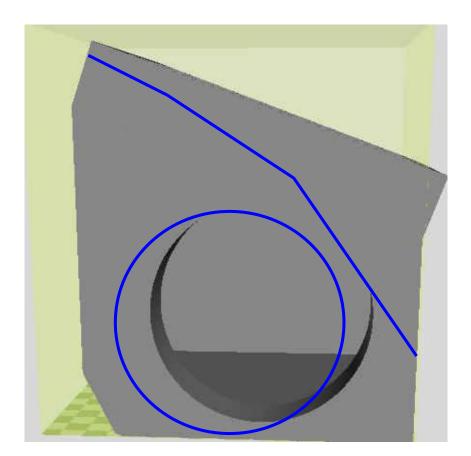




- Takes 11 hours to print
- I'm concerned the grate will fall
- Increase the grate angle by making the slats irregular:
 - Thicker on bottom
 - Thinner on top
 - Top of grate remains the same
- Move the hole all the way to the bottom
- Move hole slightly left to allow for the steeper grate angle
 - The permeable area of the crate is already a less than the pipe. If i thicken the bottom of the slats it will be even worse.
 - I can move the hole to the bottom, but that gives only 0.175"
 - The requested changes need a huge redesign, and are more complicated to do. It may take the whole next week to do them. And even then, I do not think that we will have a superior model, but just a workaround for the Luzbot mini.
 - I would like to focus to make a model that most people can use, (8" print bed with 9"-9.5" print height), and make a decent model from the start.
 - Even the latest design restricts the maximum flow that the 3" pipe can take (calculated for a minimum pressure, since the fall is a minimal), so larger area of crate is needed
 - The hole will not be printed smooth and round and it will definitely leak, so you need sealant anyway.

My suggestions are:

- 1) Make the gutter wider, towards the 8" width,
- Make the crate a separate piece that snaps on the main body even without sealant, OR eliminate the crate. You do not really need a 3D printed crate. The aluminum screen can hold the leaves. Even small rocks will bounce off. But if you need that better support why not use a wire mesh below the screen? I can add a "step" that can accept a 1/16" thick piece of mesh so the screen will not be riped.
- Increase the back wall height but not too much that the water will run off in a heavy rain. Keep the industry standard slope -balance between self



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