Printables by JOSEF PRUSA



Drill guide with dust collector - No supports

Bear3DTek

VIEW IN BROWSER

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Summary

A simple and nice looking drill guide with dust collecting tray inspired by hex design common around this community.

3.53 hrs	1 pcs	0.15 mm	0.40 mm	PLA	30 g	Prusa MINI / MINI+

Hobby & Makers > Tools

Tags: drill dust drilling dustcollector drillingguide

Thanks

Hello!

I needed to make a few holes around the house to make some installations and dust was an issue. Decided to design my own guide and dust collector to make it look the way I wanted.

It doesn't need supports! =)

Hi again! I read some of the feedback on the original design and decided to improve the dust collecting capabilities of the drill guide. I will keep both files available, here is a small guide to let you pick which one you want:

drill guide with dust collector.stl This file is the original design. I personally think this one looks better, but it suffers from some dust collecting issues (some of the dust gets stuck in the main guide and in some other parts of the guide).

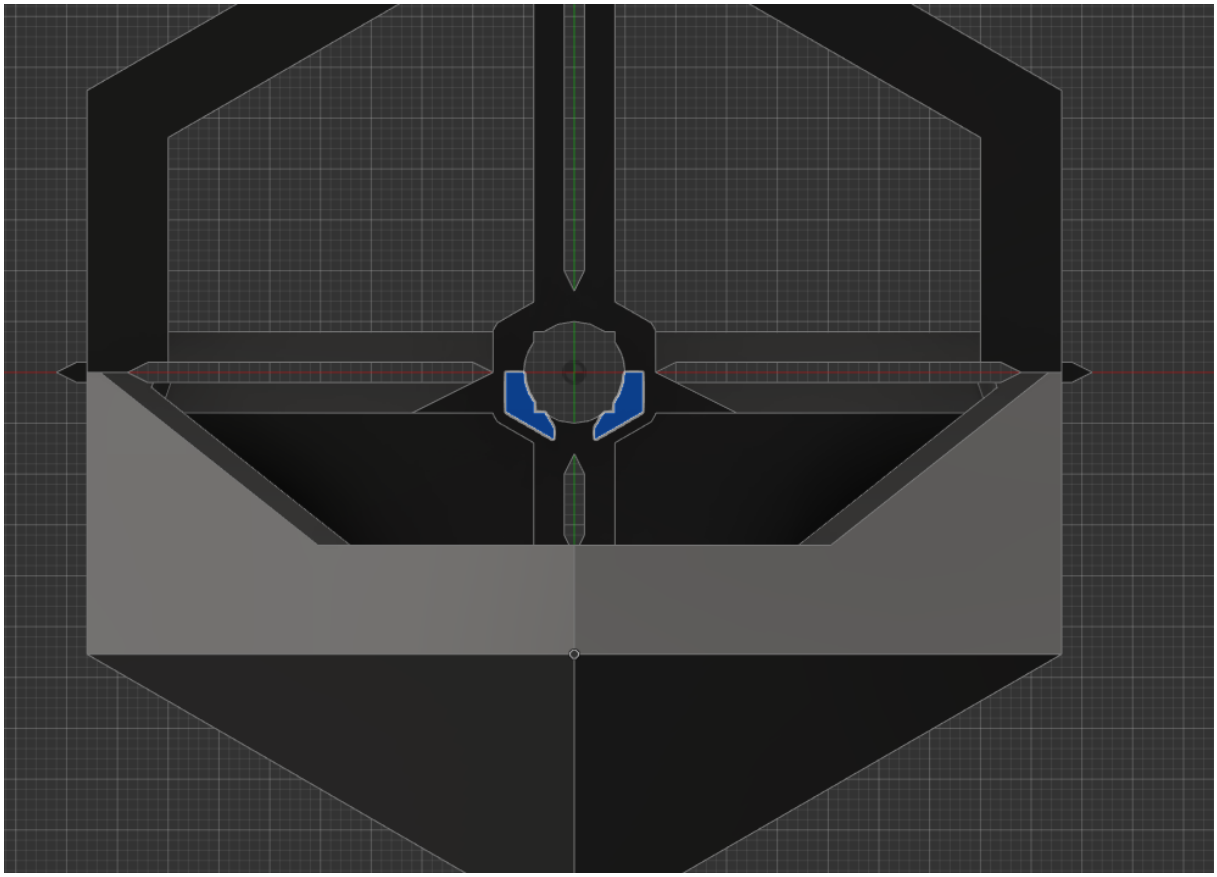
drill guide-improved dust collecting.stl This file has the improved dust collecting capabilities. The changes are described below.

Buy me a coffe

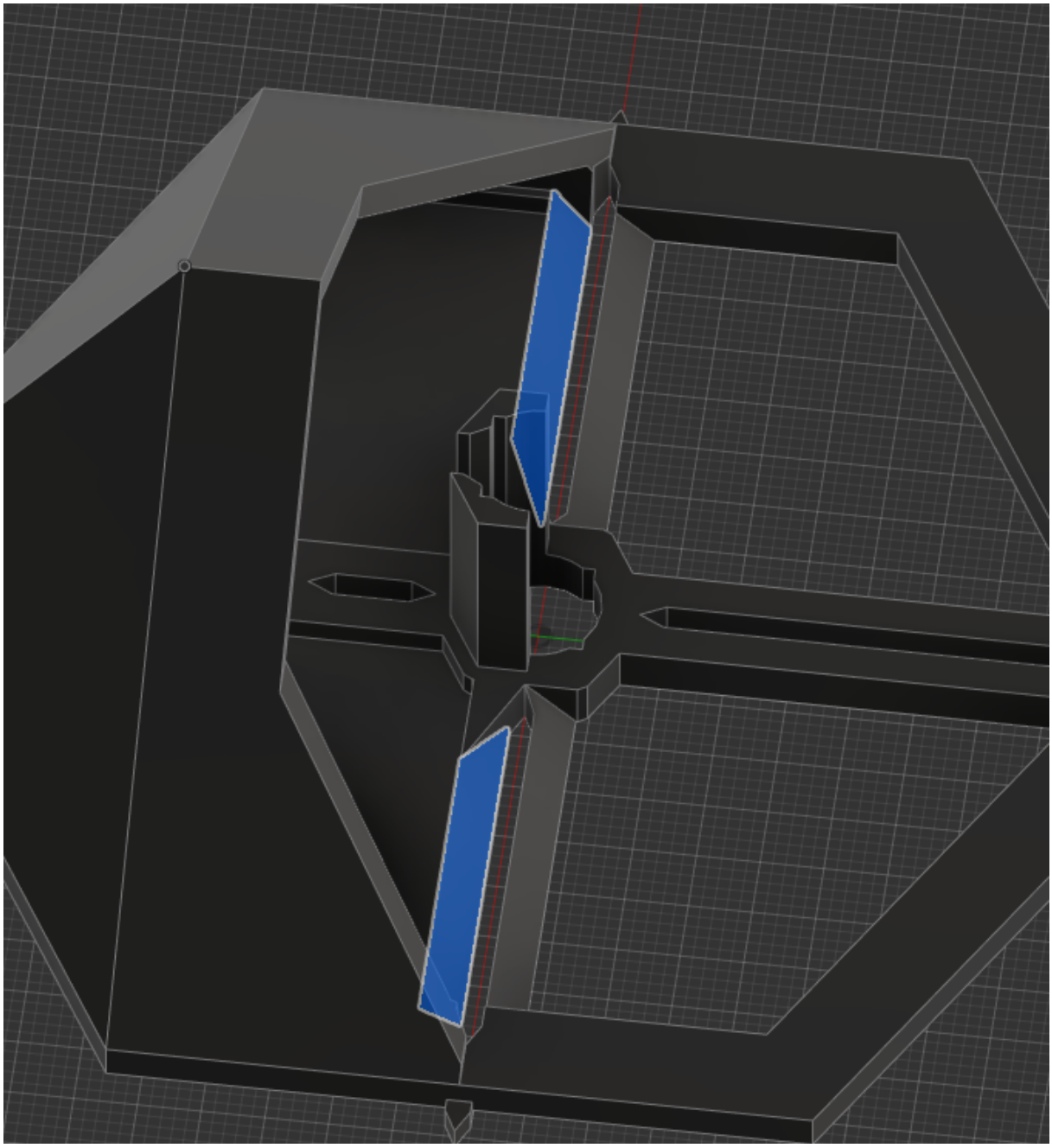
I like to share my work for free, but if you enjoy my work and would like to support it and are able too, you can do so through my buy my a coffee page. It will be greatly appreciated! =)

buymeacoffee.com/b34rl0rdf

UPDATE (2022-10-26): Improved dust collecting design. Made an opening on the main guide to allow dust to fall into the container, as illustrated here:



Also, I included some chamfers in the horizontal axis, since dust was getting stuck there as well.



Thanks to everyone that has provided useful feedback! Will keep reading the feedback to continue to improve my designs.

Special thanks to user @**mgetz** for his suggestions! =)

Model files



drill-guide-with-dust-collector.stl



drill-guide-improved-dust-collecting.stl

Print files



drill-guide-with-dust-collector_015mm_pla_mini_.gcode

PLA 0.40 mm 0.15 mm 3.53 hrs 30 g Prusa MINI / MINI+

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