

Drill guide with dust collector - No supports



Bearlord

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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+

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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.

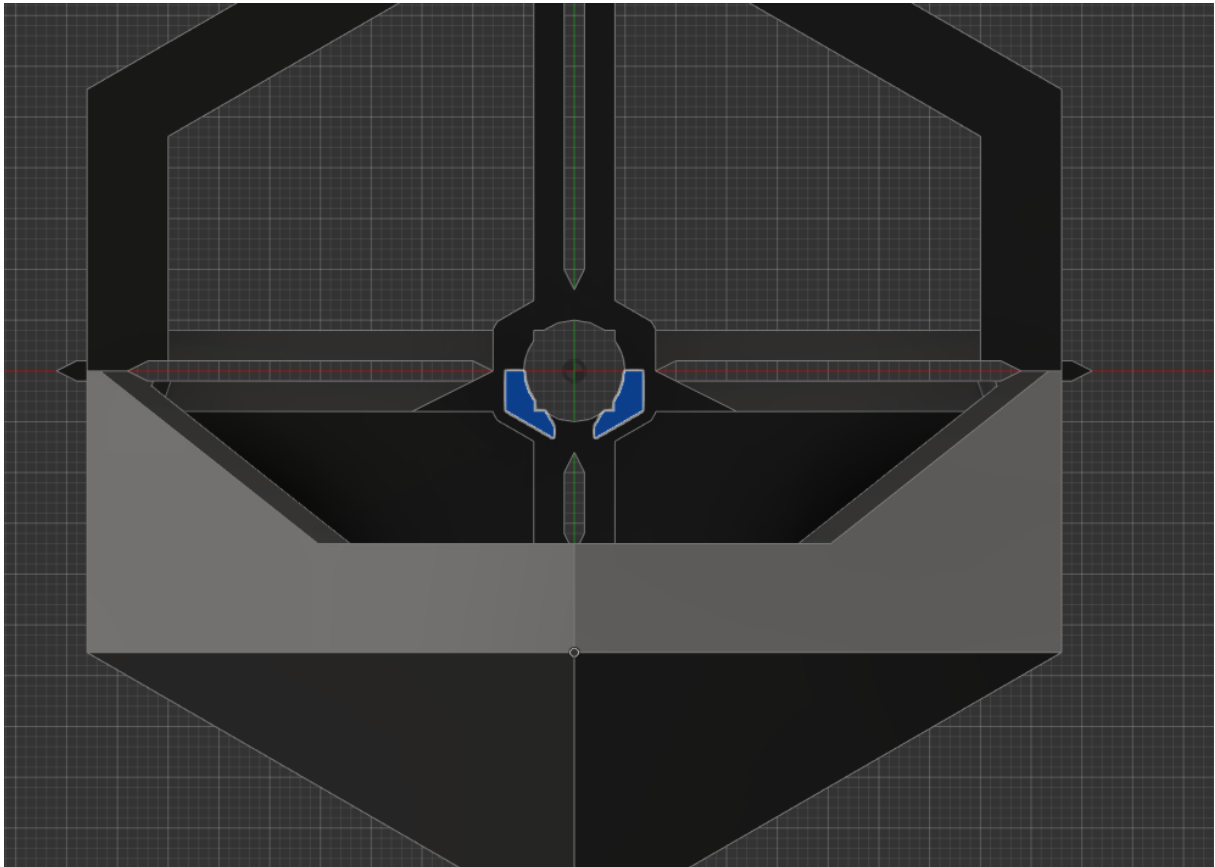
It doesn't need supports! =)

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:

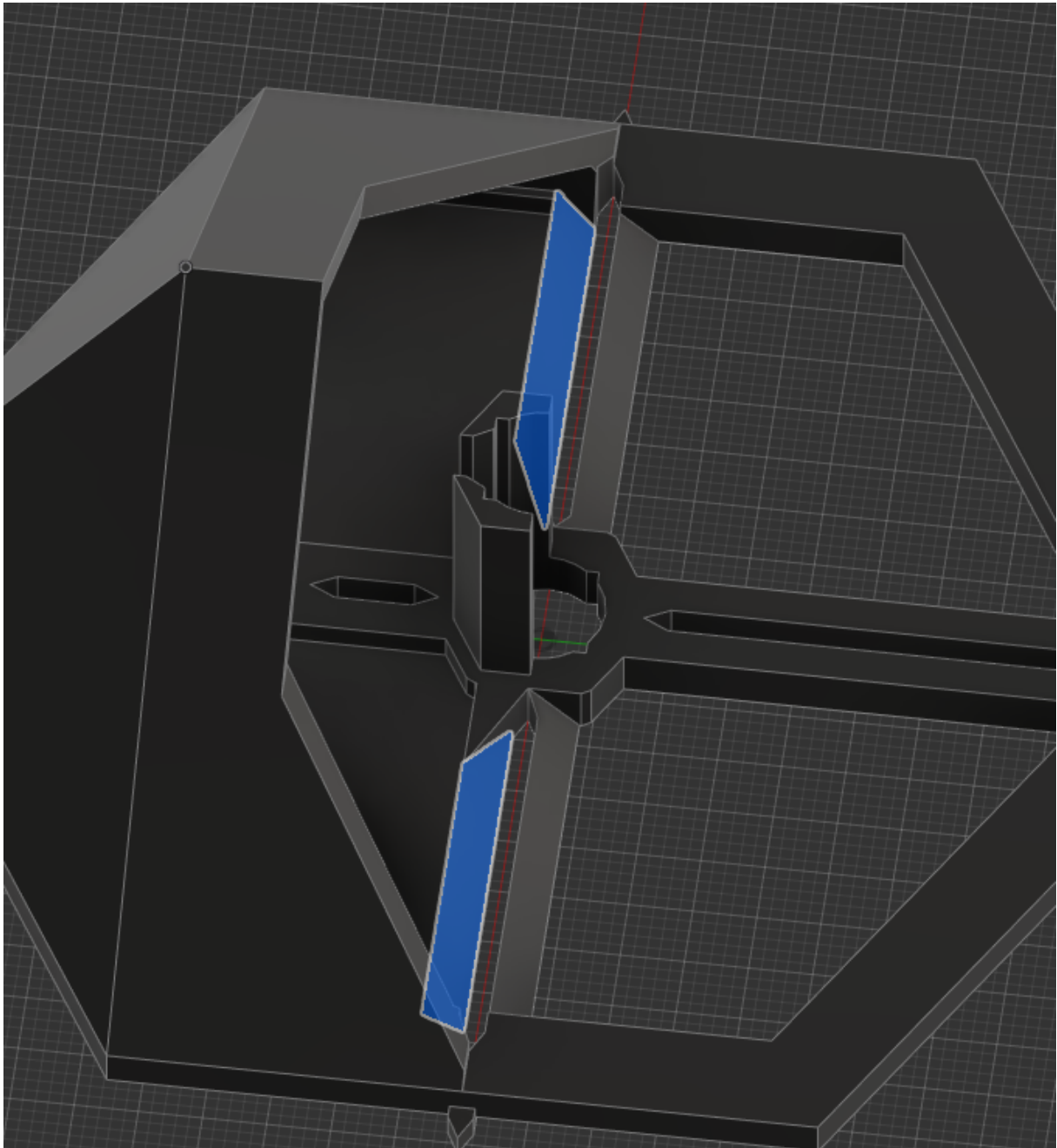
drill guide with dust collector.stl This file is the original design. I personally think this one looks better, but it suffers from some dust collecting issues (some of the dust gets stuck in the main guide and in some other parts of the guide).

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

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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