



IKEA Lixhult Air Hole Grommets

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updated 8. 8. 2022 | published 8. 8. 2022

Summary

I bought a Lixhult metal cabinet from Ikea and wanted to place backup hard drives inside the cabinet. In order to...

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I bought a Lixhult metal cabinet from Ikea and wanted to place backup hard drives inside the cabinet. In order to ensure proper cooling of the drives, I needed to make some air holes in the front of the cabinet. These air hole grommets fit over the holes I made in the cabinet sheet metal, allow airflow, but hide the sharp edges around the holes. There are two air grommet designs: small for the front (12mm) and large for the back (31.75mm).

The holes on the front of the cabinet were made by first drilling small pilot holes and then using a stepper drill bit to create 12mm diameter air holes. You'll notice there's a vertical area where I did not place grommets. That's because on the inside of the cabinet lid there's a vertical bar which provides rigidity to the cabinet door and I wanted to avoid getting too close to it.

The grommets are then pushed into the holes.

Print Settings

Printer Brand:

Prusa

Printer:

i3 MK3

Rafts:

No

Supports:

No

Resolution:

0.2mm

Infill:

100%

Filament: Any PLA Grey How I Designed This

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Both grommets were designed in Fusion 360.

Category: Household

Model files



air_hole_grommet-31_75mm-v22.stl



air-hole-grommet-v26-12mm.stl

[Find source .stl files on Thingiverse.com](#)

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