

Expansion Anchor

for Amazon pegboard

Version 1.0



Project Goals

I need a way to fix objects on a pegboard.

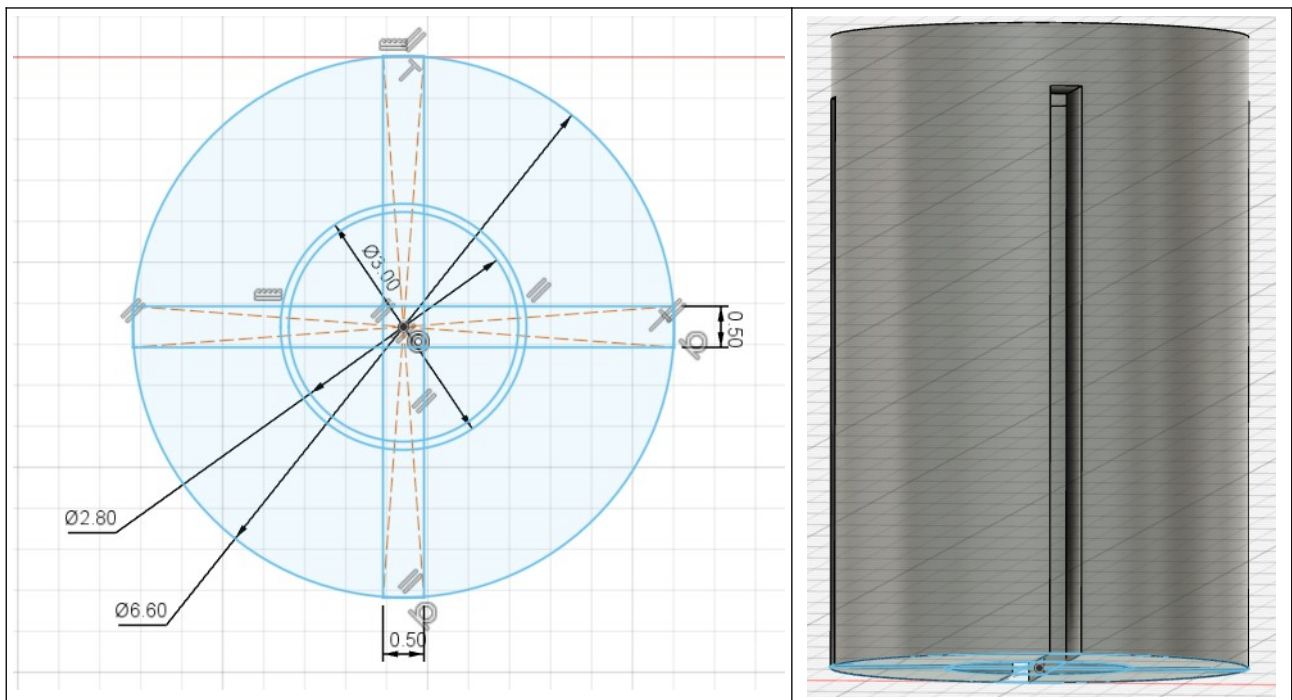
I try to use Fischer expansion anchors but they are not good, so I decided to design one by myself.

Expansion Anchor Sketch

Rod and Tip

The rod is 9 mm height

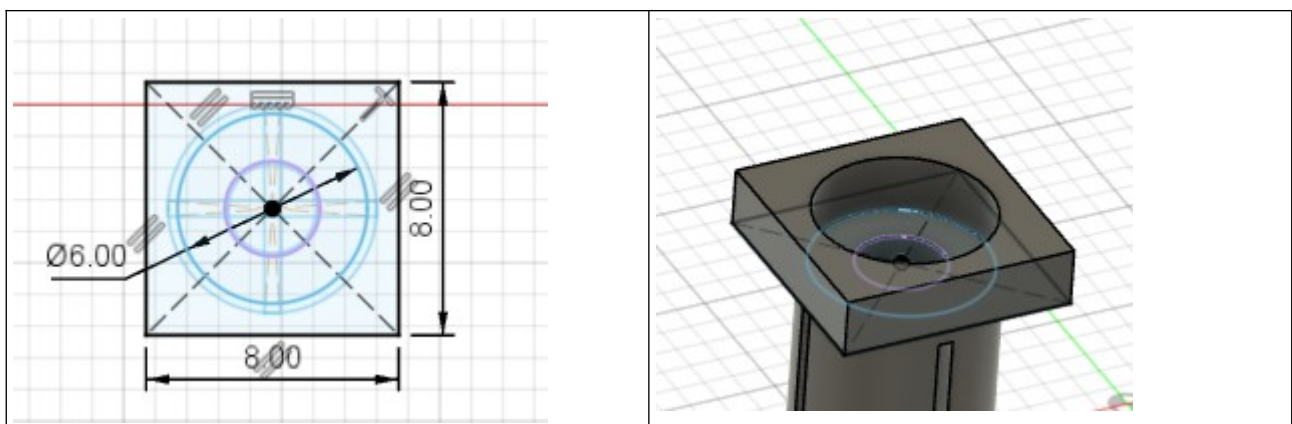
Then there is a 1 mm ring



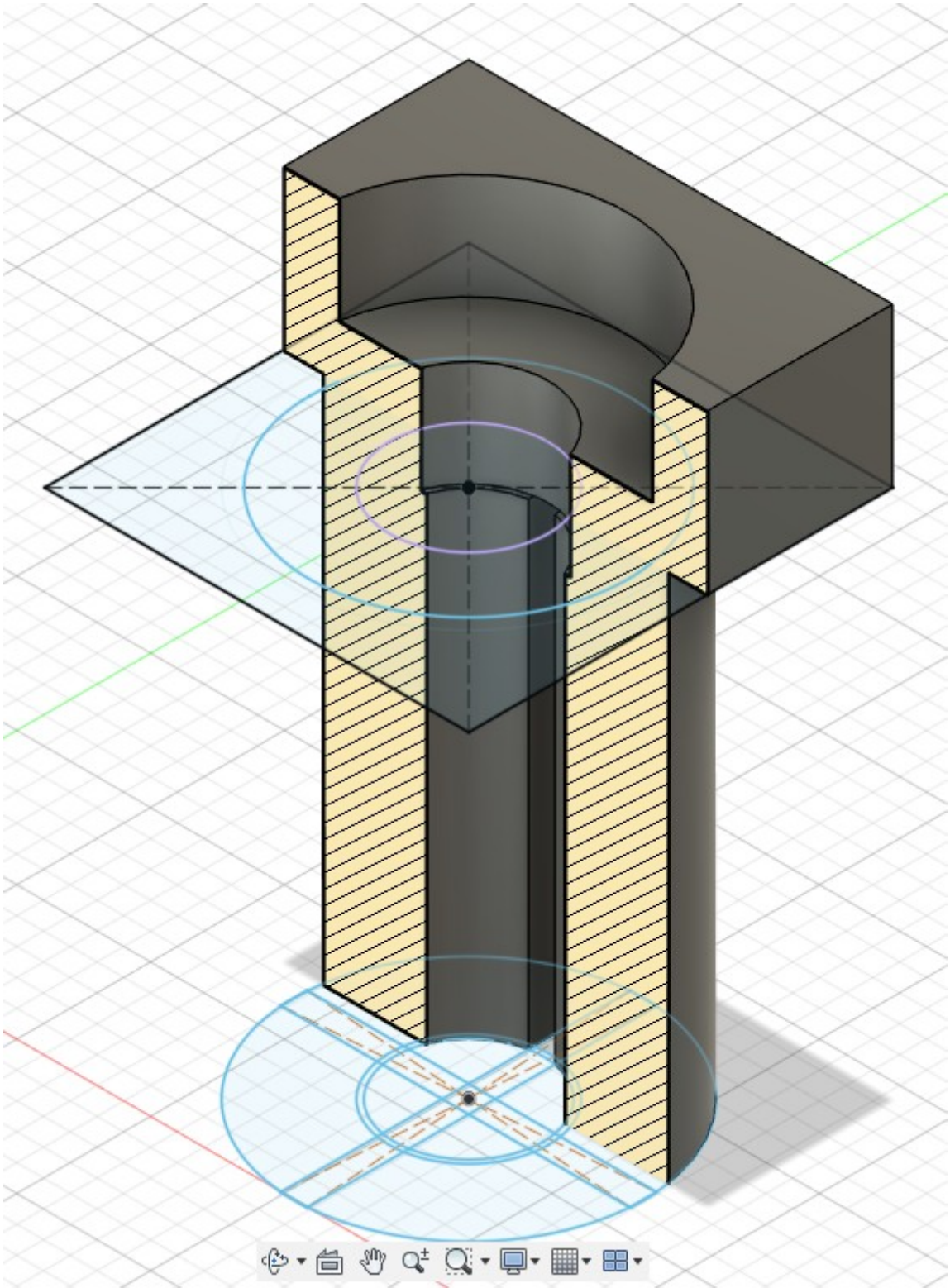
Head

Squared so it is easier to insert the screw

There isn't enough space to hide the screw

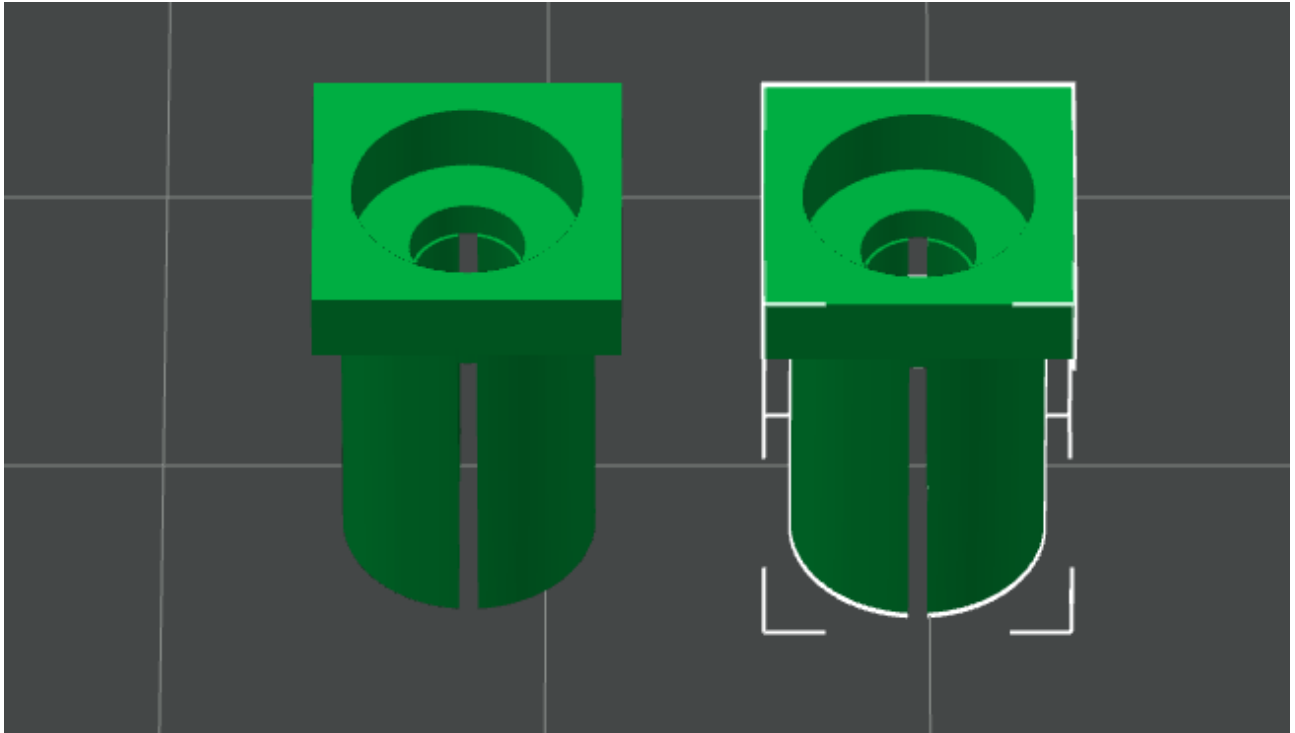


Expansion Anchor Sketch 3D Models



3D Printer layout

Need to be printed with head on top because of the slot for the 3 mm screw



Final result

This is how it looks like normal and expanded.

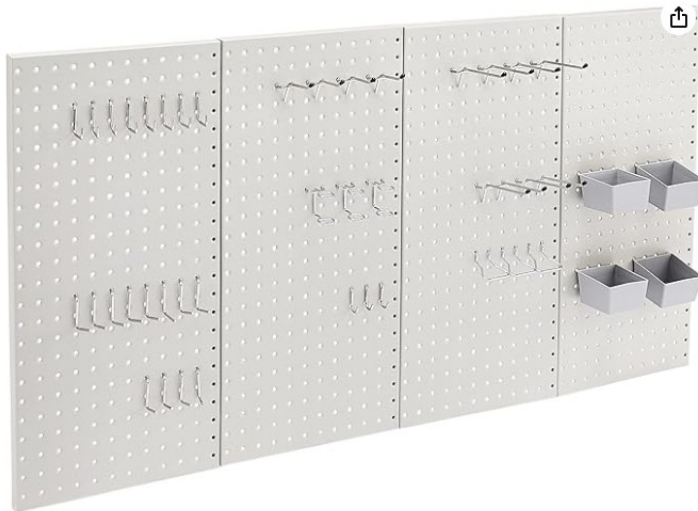
Not a big change, but it is enough



Reference

Amazon Pegboard

Amazon DE: <https://amzn.eu/d/8XqDu2Y>



Amazon Basics 48 Piece Metal Rectangular Pegboard Set - Grey

Visit the Amazon Basics Store

4.3 ★★★★★ 479 ratings

€50⁸³ (€1.06 / stück)

Prices for items sold by Amazon include VAT. Depending on your delivery address, VAT may vary at Checkout. For other items, please see [details](#).

Size Name: **48 Teile**

| | |
|----------------------|---------------|
| Colour | Gray |
| Brand | Amazon Basics |
| Material | Metal |
| Finish type | Polished |
| Mounting type | Wall Mount |

About this item

- 48 piece pegboard set for clearing work areas and storing tools neatly (tools not included)
- Includes 4 metal pegboards, 4 plastic containers and 40 mini hooks and

Amazon.it: <https://amzn.eu/d/7wQn8La>

Holes distance: 25.4 mm

Holes size: 6.6 mm