



Magnetic Reverse Bowden Adapter MK3S for Original Prusa Enclosure



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Summary

Magnetic reverse Bowden adapter to allow easy swapping

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Magnetic reverse Bowden adapter to allow easy swapping of filament during a runout or simply using a filament directly instead of through the tubing.

This is a remix to adjust two things on the original model, screw size and filament sensor spacing. Detailed info below.

- This has a different screw size so it supports the QSM-M5 screw size. This is what comes with the Original Prusa Enclosure.
 - The enclosure uses a heated insert and while this I a very nice design I didn't have any on hand so I added the threads into the model.

- This base has a slightly larger cutout for the filament sensor. I noticed the original model doesn't sit quite right and has a slight pivot point on the filament sensor.
 - This issue is actually from the original FS Cover from Prusa but you don't see the issue there because there isn't enough torque during retraction without the tubing to produce the movement. This was fixed by Prusa in their updated enclosure FS cover.
 - I would love to model off of that but it is not available in the printed parts list from Prusa.

Bill of materials:

- 1 top part
- 1 bottom part
- 6 8x3mm magnets

How to print/Print Settings:

- Top
 - The top I think you could print with either flat side down. However, I found I got curling issues on the top corners when I printed magnet holes down. I did not have this issue flopping it around.
 - No supports
 - 0.4mm nozzle
 - 0.7mm layer height
 - You may be able to get away with thicker layers but I didn't find the print time long enough for me to care. I primarily did this for the detail/integrity of the screen threads.
 - Prusament Prusa Orange PETG
 - Default Prusament PETG Settings
- Bottom:
 - The bottom I printed with the FS side down and supports for the bridging and overhang. It may not be required but I don't know.
 - 0.4mm nozzle
 - 0.15 or 0.20 mm layer height
 - Jessie Soul Black Glitter PETG
 - Default Jessie PETG Settings

This remix is based on



Magnetic Reverse Bowden Adapter MK3S

by bobby

Model files



bottom.stl



top.stl

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