



Filament sensor cover Prusa i3 MK3S reverse bowden 6/4mm tube



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Summary

Filament Sensor Cover for the Prusa i3 MK3S which is adapted to accept a 'reverse bowden tube' to a filament dry box.

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Filament Sensor Cover for the Prusa i3 MK3S which is adapted to accept a 'reverse bowden tube' to a filament dry box.

You have to press fit a small piece of 6mm Festo tube in, see photo. The Festo tube has a inner diameter of 4mm. After that it accepts normal 4mm bowden tube. I do like this solution over a coupling, because it provides easier access when changing filament.

Print instructionsCategory: 3D Printer Parts Print Settings

Rafts: No

Supports: No

Resolution: 0.2mm

Infill: 20%

Filament: REAL filament PETG Black

Notes:

No brim. 5 Top/bottom layers. Perimeters 4.

Post-Printing

Take a piece of Festo tube. Outside diameter 6.0mm, inside diameter 4.0mm. Length approx. 20mm. Press fit it in the hole.

How I Designed This

It is a remix of the Filament Sensor Cover version R4 for the Prusa i3 MK3S as found on:

www.prusa3d.com/downloads/others/Original-Prusa-i3-MK3S.zip.

In ThinkerCAD I just added a cylinder on top of the filament feeder opening. Length 12 mm, outer diameter 10mm, inner diameter 5.8mm. That's all.

Model files



filament_sensor_cover_prusa_i3_mk3s_adapted_to_6m.stl

[Find source .stl files on Thingiverse.com](http://www.thingiverse.com)

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