



## Original Prusa Enclosure top-plug- center Passthrough with Magnets



Gusi

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### Summary

Bowden pass trough the Enclosure's top-center with PC4-M6 and Magnets 6x3mm for feeding the printer from a drybox.



0.80 hrs



1 pcs



0.20 mm



0.40 mm



PET



8 g



Prusa  
MK3/S/S+

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[filament](#) [pc4m6](#) [roundmagnets](#) [neodymiummagnets](#)  
[drybox](#) [6x3](#)

I wanted to ensure a completely closed path from my Drybox into my Enlosure and to the Printer. To be easily able to open the bowden without effort I decided to go for the <https://www.printables.com/model/32368-join-ptfe-tubes-together-magnetically> solution, a well designed magnetic coupler, that I merged with the top-center cover of the enclosure. From the

inside only a PC4-M6 connector was possible, a M10 connection would have been too wide to insert it from above.

The 6x3mm round magnets fit snugly and should stay inside even without glue, I use the N52 variant of Neodyme Magnets, that is the strongest type you can possibly get, and the magnets stay bravely in the holes..

For the print I activated support but lowered the angle for automated support to 40%, so the support will only be under both ends and not in the magnet holes. You have to place the magnet side on the print bed for slicing, the STL file should be oriented accordingly.

## This remix is based on



### **Join PTFE Tubes Together Magnetically!**

by Line Arc Line



### **MMU2s Selector Front Plate for PC4-M6 Coupler**

by its\_Blackpoint



### **Enclosure Printable Parts**

by Prusa Research

## Model files



**enclosure-passtrough-6.stl**

# Print files



## enclosure-passtrough-6\_02mm\_petg\_mk3s\_48m.gcode

⚙ PET ⚙ 0.40 mm ⚙ 0.20 mm ⌚ 0.80 hrs ⚖ 8 g 🖨 Prusa MK3/S/S+

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