



Magnetic Furniture Latch



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Summary

A furniture latch to keep drawers and cupboard doors closed using small magnets.

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This latch uses 3mm x 6mm magnets (because they're what I had...). One side of the latch is designed so that you can screw in a small metal screw **or** use a 3x6mm magnet, but it'll work better if there are magnets on both sides of the latch.

This was designed with a fair amount of wiggle room in mind, so the installation doesn't need to be absolutely perfect. The latch generally seems to work better if the parts are installed perpendicular to the travel of the drawer/cupboard door, but it still works well if they are installed "head on", especially if there are magnets in both parts.

Print Instructions

Print the models in their original orientation. Supports are needed for the "Front Latch - Cover", the other models don't need any supports. A 0.2mm layer height works fine, 15% infill will also do.

Assembly Instructions

The magnets need to be glued into their respective slots. **Make sure that you have the magnet polarity correct when assembling, otherwise the latch parts will repel each other.**

The **Front Latch Insert** fits behind the **Front Latch Cover**. Once they are mated together, install the “front latch” and “side latch” on their respective part of the furniture using small screws. There is room for some adjustment in the screw positioning if needed.

Model files



front-latch-insert.stl



front-latch-cover.stl



side-latch.stl

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