

## Harbor Freight Magnetic Tool Holder Wall Mount



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### Summary

I picked up a magnetic tool bar from Harbor Freight (item # 60433) and was disappointed that the mounting holes were...

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I picked up a magnetic tool bar from Harbor Freight ([item # 60433](#)) and was disappointed that the mounting holes were not 16" on center so I could mount it securely to my wall studs. Sure, I could use wall anchors, but what fun is that when you have a 3D printer?!

A pair of these simple wall mounts, when spaced 16" apart, will allow you to mount the magnetic bar using 5mm x 12mm or 3/16" x 1/2" machine screws. I also modeled in a slot for a standard cable tie so you can secure them if you're not placing these 16" apart.

An unplanned bonus is that the 1/2" standoff from the wall give me space to hang some items that aren't magnetic or are too heavy.

These print pretty quickly (~ 30 minutes each) and work fine with a .3 layer height.

Fusion 360 source file included if you'd like to tweak this for your own needs.

## **Print Settings**

### **Printer:**

LayerFused x301

### **Rafts:**

No

### **Supports:**

No

### **Resolution:**

.3 layer height

### **Infill:**

20% Gyroid

### **Filament:**

Any PLA

Any

### **Notes:**

The wall mount hole and chamfer are designed to work well with standard drywall screws. The hole for mounting the tool bar should self-tap with a 5mm or 3/16" machine screw.

How I Designed This =====

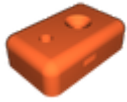
Designed in Fusion 360. Source file included.

Category: Organization

# Model files



hf\_magnetic\_tool\_holder\_wall\_mount.f3d



hf\_magnetic\_tool\_holder\_wall\_mount.stl

[Find source .stl files on Thingiverse.com](#)

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