



Magnetic Bit Holder



JAG3d

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Summary

This is sized to fit in a pocket or purse and is for light duty use where a standard stubby screwdriver won't fit.

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Tags: [pocketsized](#) [bitholder](#) [magnetic](#) [thingiverse](#)
[screwdriver](#) [gift](#) [giftidea](#)

This is the first useful design I ever created in Tinkercad back in 2017! You may need to adjust the size in your slicer so the magnetic bit holder will fit properly.

This is a small handle sized to accept a Harbor Freight magnetic bit holder and turn it into a pocket sized screwdriver. It uses standard 1/4" hex bits available from most hardware, building supply and tool stores.

This is my first ever design for 3d printing. I used Tinkercad, and after a lot of trial and error was finally able to get the holes sized correctly for the bit holder.

I made the length of the handle just under 2-1/4 inches so the entire finished length is 3-1/4 inches without a bit. The diameter of the handle is about 5/8 of an inch.

Construction Tips

The bit holder fits slightly loose, so it needs to be glued to the handle. I used 5 minute Epoxy to keep the handle and the bit holder together. When I get time, I plan on dipping the handle in liquid rubber to give it a stickier grip. When I glued the handle to the bit holder, I had to clamp the pieces in a vice because the epoxy trapped air bubbles and the pressure tried to force the bit holder from the handle. By clamping the handle, I was able to get a good bond, and the air bubbles were forced out. It created a little bit of a mess, but a quick wipe with a paper towel took care of the excess glue.

NOTE: I imported this from my original post on Thingiverse where I go by JAGeorge.

Category: Hand Tools

Model files



1bitholderhandle.stl

☐ Adjust the size in your slicer in order to fit the magnetic bit holder properly.

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

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