

Configurable C6 Screwdriver Hex Bit Holder

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Summary

This is a relatively simple bit holder for C6 screwdriver bits, used for electric screwdrivers and other multitools....

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This is a relatively simple bit holder for C6 screwdriver bits, used for electric screwdrivers and other multitools.

It's a single print with embedded magnets (cylinder shaped magnets with a diameter of 10 mm and a height of 4 mm), that needs to be inserted mid print, and end up being fully encased in plastic for a good protection against the elements.

I paused the printer at 13 mm, which is right before the magnets are covered, but check the layers when you slice, it might be a little higher if you use a raft or similar.

In one end, there is a hole to mount a small nylon cord (~3 mm diameter fits well) and the idea is that the ends are crossing in the middle of the printed part, and the ends of the nylon cord are then melted with a lighter so that a blob is formed to prevent the cord loosening. The strap plugs needs to be put on the nylon cord before melting the ends. They

are used to cover the melted ends and should be snug fit, so no need for glue.

Print Settings

Printer Brand:

Ultimaker

Printer:

Ultimaker Original

Rafts:

No

Supports:

No

Resolution:

0.1

Infill:

40%

Notes:

Pause the printer at 13 mm to insert magnets. Check that height in the layers view, to make sure it's right before it closes over the magnets.

Post-Printing

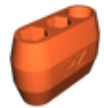
Paint the embossed text

It's a little tricky to make it pretty, but I have used a white acrylic pen and isopropyl alcohol to wipe off the excess, and you will probably have to repeat it a few times to get a good cover and not too much outside the letters. If the print have a very smooth surface, it's probably a bit easier.

Model files



bitholder_4_tx.stl



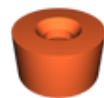
bitholder_2_pz.stl



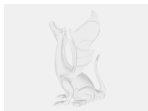
bitholder_2_ph.stl



bitholder_7_hackmeisterdk.stl



strap_plug.stl



bitholder.scad

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

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