



Gridfinity Box for Coreholes (for Threads)



Tritschi

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updated 28. 1. 2024 | published 28. 1. 2024

Summary

Needed to re-organize my drill accessories, so why not gridfinity system?

[Hobby & Makers](#) > [Tools](#)

I needed to re-organize my core drill box, so why not applying gridfinity system?

Took dimensions of my core drill bits, added per diameter 0.5mm for making holes. This turned out fine. Used a 1x1 gridfinity box of h14. Filled the base plate with solid plates, I don't like the four holes each. Filled the gridfinity bin completely solid. Cut out the holes for the drill bits.

Brought in three levels total, so I have some steps for similar large drill bits. Tried to get them all on a handy height per level.

Made three plaques, one for each level and indicated the appropriate description of the drill bits. Those plaques consist of 3 stl-files: base plate (black), first two layers (2x0.2mm) text in color (orange), next two layers (2x0.2mm) in same text, but another color (white), which results in total 4x0.2mm text. The second color (white) has to bring more brilliance (light) into the print.

Designed in TinkerCad.

Plaques printed with my Prusa MK3S+ with MMU2s. Buildplate satin-texture (org. Prusa) in PLA, with a hair of 3DLac. Print this with text facing down to your buildplate. Pay extreme attention on the first layer, print slow (50-60% of first layer speed), print not too hot, use totally dry filament. I printed letters first. Printed slowly, result is excellent, agree?

Bin printed in PLA on my Prusa MK4 with "IS Structural" - settings.

After the prints I used UHU to glue the perfectly fitting plaques into their cavity.

Explore my other Printables: <https://www.printables.com/de/@Tritschi>

Model files



1-kernbohrer-sorter_box.stl



2c-kernbohrer_text_orange.stl



2b-kernbohrer_text_white.stl



2a-kernbohrer_plates_black.stl



2-kernbohrer_platestext_3col.3mf

☐ Prepared for MK3S+ with MMU2s

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