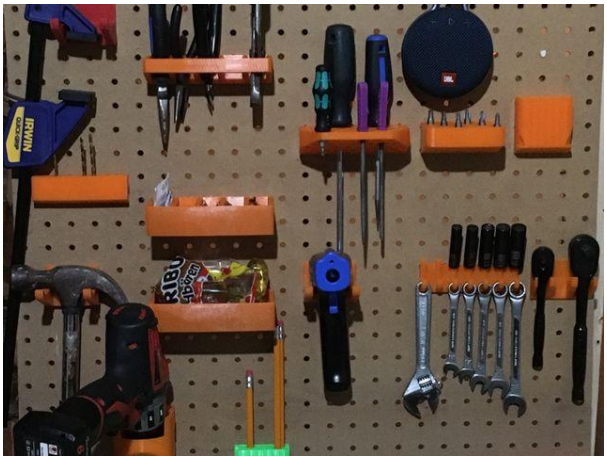
Printables by JOSEF PRUSA



Pegboard levitating toolbox

Archipel

VIEW IN BROWSER

updated 29. 2. 2024 | published 29. 2. 2024

Summary

Print and play right out of the printer! No supports and post processing needed. Versatile pegboard upgrade kit.

27.14 hrs	3 pcs	0.15 mm	0.40 mm	PLA	180 g	Prusa MINI / MINI+

Hobby & Makers > Organizers

Tags: upgrade hexagonal organizer tool wrench hook measure socket drill toolbox workshop pliers tools garage pegboard screwdriver shop workbench hammer pegboardmount pegboardtools nosupport milwaukee screwdriverholder pliersholder m12 drillholder pegboardhook levitating toolupgrade

Print your own efficient common tools' toolbox for your pegboard wall. Turn your supports off in your slicer, you will not need support for any of the files includes here. Defy gravity with the "levitating" placement of those designs on the plate. No post processing needed because supports on

pegboard hooks is always difficult to remove without affecting the print and/or will leave a rough surface that will not slide perfectly in the board.

Designed for a 1 inch pegboard; would require a 98,42% scaling along the pegs to fit exactly 25mm instead of 25,4mm (1inch). Easy to move on the board and strong enough to support the tools.

0,4mm nozzle; 4 walls; 0,15mm layer height. I used small layer height to help with the overhangs in the prints. **No supports!** Good bed adhesion is crucial for most of the prints.

Screwdrivers support with staggered pattern for a better capacity and better fit:

Pliers support will fit most regular sized pliers, be creative with that one!

Drill holder fits with most drills but is designed for a milwaukee impact drill.

Socket size is 6mm to fit 1⁄4" sockets. Enough holes and hook for most common wrench and sockets.

Drilling bits size: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16 and 1⁄4

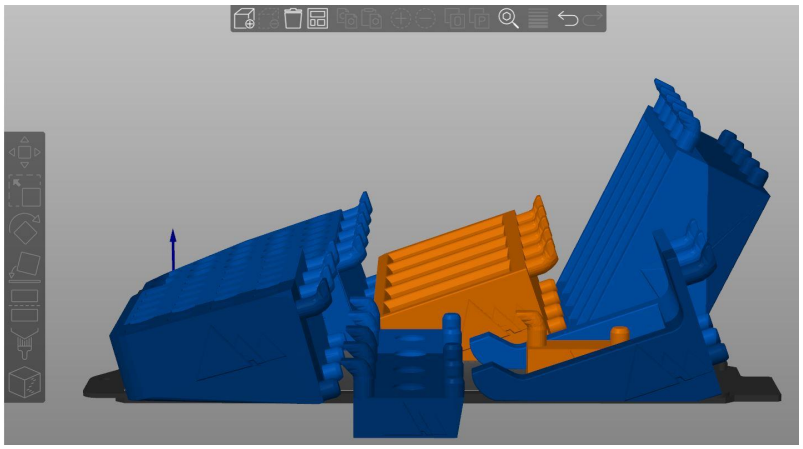
Hex bits are a little loose to be easy to grab.

Gcode available for some designs.

All original designs.

Update 2021-10-21; Added the measuring tape holder or whatever that fits there holder!

How to align a part on the bed to print without support needed, here are some examples:



How well the 3D printed peg hooks works right out of the printer:

Model files



gai_pliers_pegs_no_support.stl



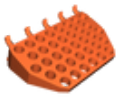
gai_drill_pegs_no_support.stl



gai_socket_wrench_pegs_no_support.stl



gai_drilling_pegs_no_support.stl



gai_screwdrivers_pegs_no_support.stl



gai_single-hook_pegs_no_support.stl



gai_hook_pegs_no_support.stl



gai_5box_pegs_no_support.stl



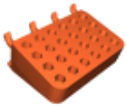
gai_box_pegs_no_support.stl



gai_pencil_sharpener_pegs_no_support.stl



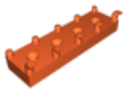
gai_pegs_measure_tape_no_support.stl



gai_pegs__hexbits_no_support.stl



gai_pegs_no_support_back_spacer.stl



gai_pegs_no_support_wall_mount_spacer.stl



gai_ratchet_pegs_no_support_rev1.stl

Print files



pliers_015mm_pla_mini_7h26m.gcode

PLA 0.40 mm 0.15 mm 7.44 hrs 53 g Prusa MINI / MINI+



2xgai_pegs_no_support_7_015mm_pla_mini_6h51m.gcode

PLA 0.40 mm 0.15 mm 6.86 hrs 48 g Prusa MINI / MINI+



gai_screw_pegs_no_support_5_015mm_pla_mini_12h5.gcode

PLA 0.40 mm 0.15 mm 12.84 hrs 80 g Prusa MINI / MINI+

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