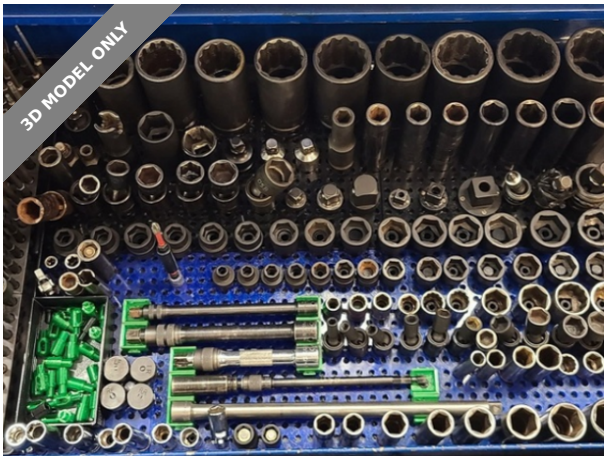


Modular Tool Drawer Storage

whatrwedoingnow

VIEW IN BROWSER

updated 9. 7. 2024 | published 9. 7. 2024

Summary

10mm pegboard grid with various attachments for sockets and shid, PLEASE remix and make new holders

Hobby & Makers > Automotive

Tags: tool storage pegboard drawer

pegboard style tool system

my main goal was to have my own system thats free of hardware - no supports - snap clip affair with expandability for the future to install all types of holders - i mainly wanted to make sure the pegs were actually useable, reusable, minimal failures and the least amount of filament required hence why i am primarily using petg for this project due to its durability and decent oil resistance

ACTUAL MAIN BOARD IS 170X190MM

feel free to add to this project, i am gonna be working on this weekly and resizing to fill my drawers. i can see this becoming many types of holders similar to the matco style system but most importantly are the dimensions of the pegboard which has a high resolution of holes - every 10mm
this can be used for all types of drawer organization but is currently for sockets only

i do plan on making this more parametric with keys for the boards to lock together

print the pegboard with zero infill, 1 wall, 2 bottom layers, 4 top layers with .22-.2 height and im able to get these down to 56 grams per board

Updates

5.26.22
-v4 pins with a tighter fit

- tolerance test STL to check pin fit before printing main board
  5.27.22
- v4 1/2 inch peg open style - to reduce filament usage for largest pin
  5.27.22
- updated dimension of mainboard - added a filler 80mm board
  5.30.22
  -V4 3/8ths open style added - will not do open for 1/4 due to small size
  -extension holders - closed type 1 & two are endcaps , open is for the center of extension
  -peg plug - to combine part to board (EXT HOLDER)
  -peg plug - to sink onto Trays - holders
  -60x100x25 tray
  -friction peg plug - more simple peg for tray not requiring excessive clamp force - sort of like a dowel for the tray holder

7.9.24

- v1 half inch extension holders, closed end and open end - much larger and conforms to standard extensions, uses 2 “peg plugs” per fitting and takes up 3 rows of holes - modified from Ian Cox's gridfinity inserts, i downsized them and added recessed holes for peg plugs - 1/2 socket extension holder universal length gridfinity by Ian Cox | Download free STL model | Printables.com

in progress
multiple types of low width boards to take up space - 20mm 40mm 60mm 80mm 100mm needed for both wide and short sides
open style pin for 3/8 and 1/2 to reduce filament - leave both options

Print Settings

Rafts:

No

Supports:

No

Resolution:

.2

Infill:

15%

Filament brand:

overture

Filament color:

blk

Filament material:

petg

Notes:

the snap clips may not work in PLA unless you print them sideways. im ok with petg to print upright top down

1 wall, 2 top layer, 2 bottom layer

no supports
print as they drop into the slicer

use more top layers if you want the underside of the pegboard to be smooth if you do petg. or just leave it 2 layers if you dont mind

use at least 3 walls on the pins to make sure the clips are solid

Model files

files 14 files

half_inch_peg_v4.stl

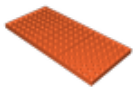
half_inch_peg_open_style.stl

3_eights_peg_v4.stl

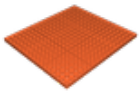
3_eights_peg-open_style.stl

quarter_inch_peg_v4.stl

tolerance_test.stl



80x170_pegboard.stl



170x190-peg-edit.stl

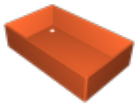
peg_plug.stl

ext_hold_type_2.stl

ext_hold_open.stl

ext_hold_type_1.stl

friction_peg_plug_v2.stl



60x100x25_tray.stl

ext_hold_half_inch_closed.stl

ext_hold_half_inch_open.stl

Other files

readme.txt

license.txt

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