



## Modular shelving system - Hobby & Workshop - Small parts storage

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updated 3. 3. 2024 | published 3. 3. 2024

### Summary

Modular drawer/sortainer system for every hobby workshop and parts/tools type - Endless number of combinations!

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[smallpartsdrawer](#)

**This collection will be updated with new models from time to time! Ideas and suggestions on sizes and features are welcome!**

**For full collection and editable STEP files, please purchase the full pack from here:**

### **Full Pack Download**

**Modular shelving system - Hobby & Workshop - Small parts and tools sorting and storage!**

With stop-lip to prevent drawer falling out, endless number of combinations.

Wire Spool used in photos is here: [LINK](#)

#### **Main Features:**

- Modular - combine elements in any way for any type of storage purpose.
- Stop-lip prevents drawers from falling out - lift to pull the drawer out
- Removable nameplates for quick and easy exchange of labels
- Various sizes and compartment number/type
- Removable separators
- Designed for 3d print - excellent printability
- Peg system for connecting the elements

#### **IMPORTANT:**

All elements have tight tolerances by design and on purpose! I needed something that would be sturdy and without any rattling or elements/drawers falling out. My printers are finely tuned and produce dimensionally very accurate parts so i do not have any issues with parts fitting as they should, tight but very smooth. Please keep this in mind if your printer is not well tuned or at least make sure it's not over-extruding by a lot. NO PARTS need sanding or any post processing to fit nicely, at all! With elements tilted, drawers should slide out smoothly without jamming or binding on any side. DO NOT re-orient parts on slicer import, all STL's already have correct print orientation! All parts have 0.4mm chamfer applied on the surfaces in contact with print bed, to offset for elephants foot, however, if you squish your first layer too much, there may be a "rim" around the first layer that would prevent the drawers from smoothly sliding into the elements.

#### **Updates:**

| Date        | Details                                                                                                                                                       |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 06.07.2022. | <ul style="list-style-type: none"> <li>• Added STEP files for easier remixing.</li> <li>• Added new open element with 2 removable separators - 007</li> </ul> |
| 07.07.2022. | <ul style="list-style-type: none"> <li>• Added new element - 008 - Double wide with 3 deep drawers with removable compartment separators</li> </ul>           |
| 08.07.2022. | <ul style="list-style-type: none"> <li>• Added screw adjustable peg for super easy assembly.</li> </ul>                                                       |

#### **Print:**

Can be printed in any material, my favorite for this kind of things is PLA and PETG.

3 perimeters, 5 solid layers for top/bottom, 0.4mm nozzle

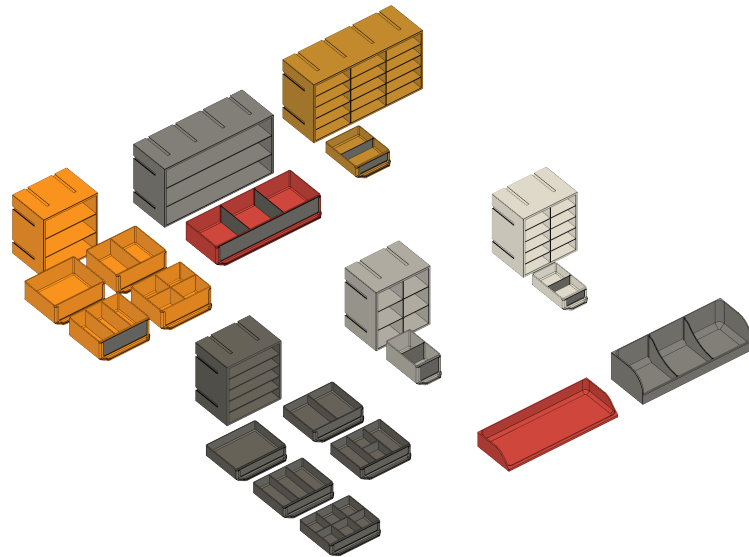
All my models print without any supports!

Filaments used in photos:

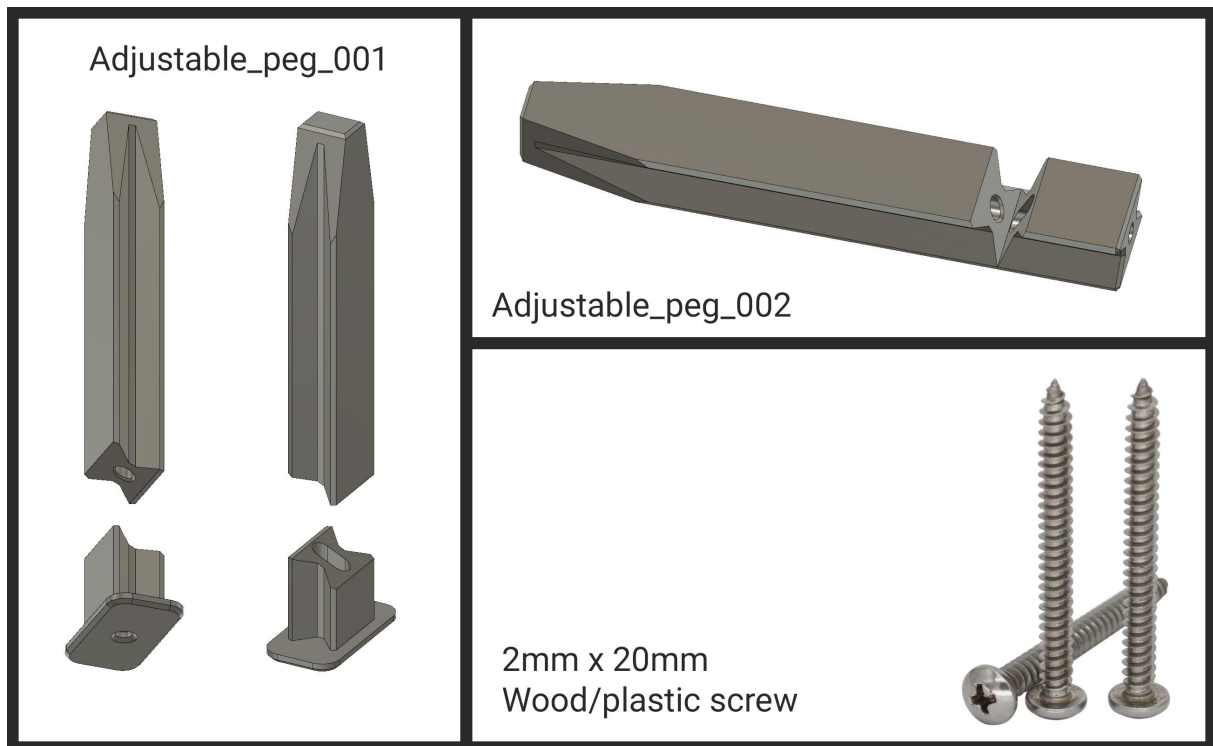
- 3DJake - ecoPLA Dunkelgrau
- Fillamentum - PLA Extrafill Melon Yellow
- Extrudr - PETG neon orange

#### **Files:**

- STL's have a correct orientation - just import and print
- STL's are named "Modular\_\_001\_\_..." where 001 marks the sortainer type/group



Sortainer type/size grouping



Screw adjustable peg for super easy assembly. Simply use one of 2 designs and 2mm x 20mm wood screw, or screw for plastic.



Stop-lip prevents the drawers from falling out but still allows for very easy insert/remove





Nameplate/label plate is easy to insert and remove.

Happy sorting!

## Model files



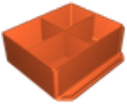
**modular\_001\_\_main.stl**

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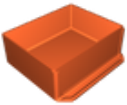
**modular\_001\_\_nameplate.stl**

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**modular\_001\_\_x4.stl**

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**modular\_001\_\_x1.stl**

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**modular\_001\_\_x3.stl**

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**modular\_001\_\_x2.stl**

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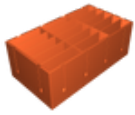
**modular\_004\_\_main.stl**

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**modular\_003\_\_main.stl**

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**modular\_\_005\_\_main.stl**

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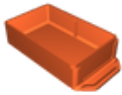
**modular\_\_003\_\_nameplate.stl**

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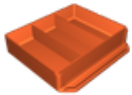
**modular\_\_004\_\_nameplate.stl**

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**modular\_\_004\_\_x1x2.stl**

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**modular\_\_003\_\_x3.stl**

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**modular\_\_002\_\_separator.stl**

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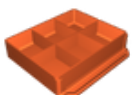
**modular\_\_002\_\_nameplate.stl**

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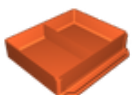
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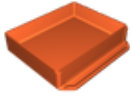
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**modular\_\_003\_\_x2.stl**

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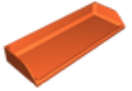
**modular\_\_003\_\_x1.stl**

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**modular\_\_005\_\_nameplate.stl**

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**modular\_\_006\_\_main.stl**

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**modular\_\_002\_\_main.stl**

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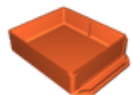
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**modular\_\_peg.stl**

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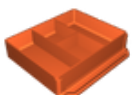
**modular\_\_005\_\_x1x2.stl**

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**modular\_\_002\_\_x1x2.stl**

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**modular\_\_003\_\_x4.stl**

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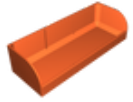
**modular\_\_003\_\_main.stl**

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**modular\_007\_\_separator.stl**

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**modular\_007.stl**

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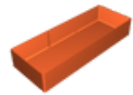
**modular\_008\_\_separator.stl**

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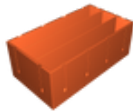
**modular\_008\_\_nameplate.stl**

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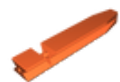
**modular\_008\_\_x1.stl**

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**modular\_008\_\_main.stl**

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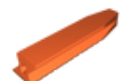
**adjustable\_peg\_002.stl**

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**adjustable\_peg\_001\_\_b.stl**

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**adjustable\_peg\_001\_\_a.stl**

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