



Stool is the box



Gazzaladra

[VIEW IN BROWSER](#)

updated 11. 6. 2026 | published 11. 6. 2026

Summary

A full-sized robust stool that can be disassembled into a small box so you can store it in a cabinet.

[Household](#) > [Living Room](#)

Tags: [seat](#) [chair](#) [stool](#) [seating](#)

A full-sized robust stool that can be disassembled into a small box so you can store it in a cabinet. For unexpected additional guest.

Normal folding chairs always fold into a slightly less inconvenient and ugly shape. This design even fits small cabinets or can sit out in the open as pretty little box.

Size assembled: 300 x 300 x 450 mm

Size disassembled: 218 x 218 x 210 mm

The design can be printed on a 220 x 220 print bed!

After bringing this to the Prague maker fair with Prusa both the PLA and PETG prints survived a full week of testing with no issues at all. The heaviest person to sit on it had 160 KG to his name. Even the small 50% prototype can hold my body weight of 80 KG, as seen in the pictures.

Options

The central box is provided in two versions. One big print and a separated one with small connectors to be glued together. If you don't like big prints overnight the second option is more convenient.

I included files for TPU feet, they are optional, you can also use little store bought felt pads to protect your floor.

Instructions

Print all parts, according to the info below and your preference

Check the images for visual comprehension of how the parts go inside of the box. You cannot just throw them in randomly.

Boxing

1. First place the 4 seat parts
2. Add the 4 lower legs besides them
3. Add one of the upper legs in the left-over spot
4. Add the other three upper legs on top
5. Add the Lid

Unboxing

1. Plug in the 4 upper legs
2. Plug in the 4 lower legs
3. Place the box lid on the ground and add the 4 seat parts
4. Take the central assembly, rotate it and place it on the seat assembly
5. Done!

Print settings

- Required build volume: 220 x 220 x 200 mm
- Material usage: 2-3 KG
- Material: This design can be printed in default settings and normal PLA, it will work! However, if you want it to be really strong and durable I suggest using PETG and the stronger settings below.
- Print direction: files are rotated correctly
- Support: none
- Nozzle size: 0,4 mm
- Line width: 0,4 mm
- Layer height 0,2 mm
- Wall count: 3 for all parts besides the upper leg that is stronger with 5
- Infill: 20% - preferably cubic - for all parts besides the upper leg that is stronger with 30%

- Build plate adhesion type: A Brim is advised, especially for the bigger parts

Warping: If you choose to use PETG the bigger parts are prone to warping. Therefore, they have anti-warping cuts at the bottom and big flat surfaces. I also recommend printing the parts enclosed and generically paying attention to all settings that influence warping. If you print in PLA, that's not a big concern, other than maybe adding a Brim.

Model files



seat.stl



box_connector.stl



leg_lower.stl



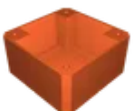
foot.stl



leg_upper.stl



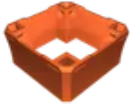
lid_brim.stl



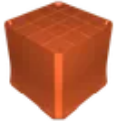
box_upper.stl



lid.stl



box_lower.stl



box.stl

License ©

This work is licensed under a **Standard Digital File License**.

Digital files have a strict non-commercial, personal use only license.

You shall not share, sub-license, sell, rent, host, transfer, or distribute in any way the digital file or 3D printed versions of this object, nor any other derivative work of this object in its digital or physical format (including remixes of this object).

You can not host these files on other digital platforms, web stores or cloud repositories.

The objects may not be used in any way whatsoever in which you charge money, collect fees.

-
- ✖ | No sharing or redistributing in any way of the 3D files or derivatives
 - ✖ | No remixing
 - ✖ | Non-commercial Use (only for personal use)