

## Breadboards in a rugged box



Svensson2584

[VIEW IN BROWSER](#)

updated 2. 4. 2024 | published 2. 4. 2024

### Summary

An insert for Whity's Rugged Box V2 to store your breadboard stuff.

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

Tags: [organizer](#) [storage](#) [breadboard](#) [jumperwire](#) [ruggedbox](#)

Hi,

I have a few prototyping breadboards and jumper wires laying around ... and its always a mess. I printed some jumper wire organizers some time ago but I was still not happy with it.

I already used Whity's Box in two other projects and I thought why not use it again?!

So I designd this model in Fusion360, but it is specifically made for Whity's Rugged Box V2

in a scaled version (inner dimensions 190 x 125 x 50). It can hold 2 breadboards (~54 mm x 165 mm x 9,50 mm, ) a bot plate and up to two mid plates for 3 layers of storage for jumper wires or what ever. The height between the plates is 10 mm.

The outer dimensions of the organizer insert is about 189,20 x 123,20 x 50. The lid part of the rugged box has a depth of 30 mm in this version. So transporting a wired prototype inside the box should be possible.

**printed:**

- in eSun white PLA+
- 0,3 mm layer height
- 3 walls
- 10% cubic infill
- supports only on the top plate needed to support the 2 pins at the side

**notes:**

1) I provided a 3mf file with a scaled version of Whity's Rugged Box because not everyone will have Fusion360 and is able to scale the rugged box to the needed dimensions.

2) the breadboards are not fixed in the top plate, but you have to remove the protusions to fit them in

3) I would not recommend to use the breadboards while the top plate is inside the box. At least when I tested it with an arduino nano clone the insertion force is quite high and something might break.

**Happy Printing!**

## This remix is based on



### Rugged Box (Parametric)

by Whity

## Model files



**breadboard-organizer-for-rugged-box\_\_240402.3mf**

---

**breadboard-organizer-for-rugged-box\_\_240402.step**

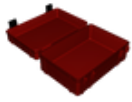


**breadboard-organizer-for-rugged-box\_\_240402.stl**

---

**breadboard-organizer-for-rugged-box\_\_240402.f3d**

---



## rugged-box-scaled.3mf

☐ scaled to inner dimensions 190 x 125 x 50 mm

## License ©

This work is licensed under a  
**Creative Commons (4.0 International License)**



**Attribution—Noncommercial—Share Alike**

---

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition