

Customizable board game (Carcassonne) tile grids



SaddamCZ

[VIEW IN BROWSER](#)

updated 9. 4. 2020 | published 9. 4. 2020

Summary

My remix of a board game tile grid by garyacrowellsr with extended customization and minor bugfixes in the SCAD.



7.29 hrs



1 pcs



0.20 mm



0.40 mm



PLA



87 g



Prusa MINI /
MINI+

[Toys & Games](#) > [Board Games](#)

Tags:

board

boardgame

carcassonne

boardgametilegrid

boardgamegrid

gametiles

My remix of a board game tile grid by garyacrowellsr with extended customization and minor bugfixes in the SCAD. Original version here: <https://www.thingiverse.com/thing:25158>

As is, the STL fits 45 mm Carcassonne tiles but can be easily customised in SCAD for other tile sizes.

After my edits, the customization through parameter definitions includes also the dovetails and clearances. The SCAD code now allows independent dovetail widths in the vertical and horizontal direction. With different horizontal and vertical dovetails the tiles fit together only the correct way and it's impossible to create a blank space with three male (or three female) dovetails facing in, which would then be impossible to fill in. The provided STL is made with 18 and 10 mm dovetails.

(If you don't want to install OpenSCAD, you can try to use the Customiser online at Thingiverse where I've uploaded the files too. If it happens to work I mean... https://www.thingiverse.com/apps/customizer/run?thing_id=4246908)

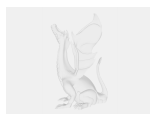
I've also added a holder/case to store the tiles. The STL fits the original size of the tiles (17 pcs), if you change the dimensions, you have to change the holder accordingly (Fusion360 file available).

Print instructions

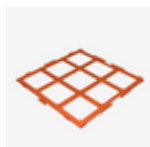
Print the tiles solid, beware of under/overextrusion and elephant foot as these can affect the fit of the dovetails. One tile took my MINI about 70 minutes to print.

The holder/case benefits from dense infill in the thin center sections of the base sides to avoid flexing, see the 3mf file (it corresponds to the uploaded gcode).

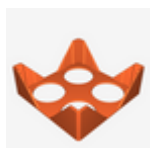
Model files



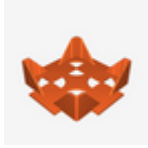
carcassonne_tile_grid_customizer_v2asym.scad



carcassonne_tile_grid_customizer_v2asym.stl



tile-grid-holder-v2.stl

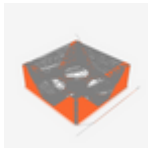


tile-grid-holder-v2.3mf



tile-grid-holder-v2.f3d

Print files



tile-grid-holder-v2_02mm_pla_mini_7h17m.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 7.29 hrs ⚖️ 87 g 🖨️ Prusa MINI / MINI+

[Find source .stl files on Thingiverse.com](#)

License ©

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



Attribution-NonCommercial

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