

Mini-reel tray, version 2



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Summary

A parametric storage tray for mini-reels with SMD components.

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Tags: [reel](#) [smd](#) [smdcomponents](#) [reelholder](#) [smt](#)

This is a tray for our [mini-reel](#) design. It is an update to [my earlier design](#) for a tray.

The major changes are:

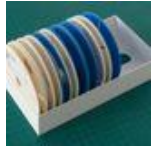
- The design is asymmetric. The slanted edge allows for label stickers (e.g. with the component values).
- You can add/remove separator panels at various positions, so the tray is suitable for reels of varying widths.

We aim for trays of 380 mm, because these fit well on our shelves. However, this exceeds the build plate of our printer, so we print the tray in two halves. That is why there are STL files for the “left half” and the “right half”. I also added an STL file for a one-piece tray (of 190 mm).

The design is in [OpenSCAD](#), and most dimensions are configurable with the “customizer” of OpenSCAD. It is not limited to mini-reels of 100 mm diameter, for example; you might even make a tray for standard 7-inch reels.

Acknowledgement: The Bézier curve drawing is written by William A. Adams, see [thing:8454](#).

This remix is based on



Mini-reel tray

by Thiadmer Riemersma

Model files



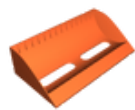
minireel-tray.scad

[OpenSCAD source](#)



bezier.scad

[OpenSCAD module for drawing Bezier curves, used by minireel-tray.scad](#)



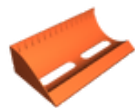
minireel-tray.stl

[Small tray \(190 mm long\), 15 slots for separator panels.](#)



minireel-tray-panel.stl

[Separator panel \(you will likely need many of these\).](#)



minireel-tray-left.stl

[Left half of a 380 mm long tray, 15 slots for separator panels.](#)



minireel-tray-right.stl

[Right half of a 380 mm long tray, 15 slots for separator panels.](#)

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