



Smoothed topology optimized shelf bracket - Flat & thicker back, smoothed body



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[VIEW IN BROWSER](#)

updated 29. 1. 2021 | published 20. 12. 2019

Summary

I love the look of these shelves, check how Tom created them: <https://www.youtube.com/watch?v=3smr5CEdksc> However, I...



8.58 hrs



1 pcs



0.30 mm



0.40 mm



PLA



162 g



Prusa
MK3/S/S+

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Tags: [shelf](#) [bracket](#) [strong](#)

I love the look of these shelves, check how Tom created them:

However, I wasn't a fan of the uneven and paper-thin back (even though I believe mechanically it doesn't matter). So I've made it completely flat and a bit thicker.

I also went over the whole model and smoothed everything as much as possible.

Print instructions

If you want to save some time and make them even stronger, print them with 0,6 mm nozzle (which is what I did).

Can be printed **without supports**. Though some of the overhangs are pretty intense, so a quick clean-up with a scalpel might be necessary.

This remix is based on



Topology optimized shelf bracket - holds over 80kg each

by Tom

Model files



80kg_shelf_remix.3mf



80kg_shelf_remix.stl

Print files



80kg_shelf_remix_03mm_pla_mk3s_8h35m.gcode

🌀 PLA 📏 0.40 mm 📐 0.30 mm ⌚ 8.58 hrs ⚖️ 162 g 🖨️ Prusa MK3/S/S+

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