



Expandable Steel Sheet Holder (MK & MINI)



Whity

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updated 21. 2. 2021 | published 11. 1. 2021

Summary

"Slightly" overengineered flexible steel sheet holder for MK and MINI printers to be screwed to a shelf.

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mini

flexible

flex

oranitize

organizer

storage

steel

sheet

mk3s

mk3

holder

"Slightly" overengineered flexible steel sheet holder for MK and MINI printers to be screwed to a shelf.

It's also extendable to as many as you want.

Updates

10.01.2021:

- Added print instructions
- Made and uploaded the MINI version \o/ (doesn't work yet, see below)

11.01.2021:

- I uploaded the parts without the M3 nut holes by mistake yesterday. It's fixed now. Sorry if you printed them already.

- Made the MINI side parts fit on the print bed (see print instructions below)

21.02.2021:

- No need to punch through the M3 holes anymore after printing and still have perfect M3 nut holes (Thanks to @ducky)
- Re-Uploaded all files, as the original filename is kept now & organised in folders

Files

Download all the "**both-***" files and either the "**mk-***" or "**mini-***" files depending on the size needed.

Description

After printing and assembling all the parts, add M3 nuts to **half** of the holes (see pictures). These are used to attach additional sheet holders later.

Then use 3mm wood screws or M3 screws to screw the two sides to the shelf (using the other half of the holes). Use a steel sheet for the correct spacing. This can be a bit fiddly. An option would be to glue together the top and bottom half with a few drops of glue to prevent them to move around too much.

To add an additional holder, just use 20mm M3 screws to attach them to the first one. That's why we inserted the M3 nuts before. Don't forget to add M3 nuts if you plan to add some more holders. You can also add two holders at once using a 40mm M3 screws.

Print instructions

Print with 0.2mm layer height. No supports needed.

MK

1. Rotate the side parts and connector 50° to fit on the print bed.
2. Adjust the "Fill Angle" by 50° too (see pictures)

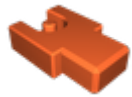
MINI

The bigger side parts fit barely onto the print bed. You may not print a skirt or brim around it.

1. Rotate the side parts +/-42.5° and the connector 45° to fit on the print bed.

2. Adjust the "Fill Angle" by (45°) (see pictures)

Model Files (.stl, .3mf, .obj, .amf)

[F3 3D DOWNLOAD ALL FILES](#)

BOTH - Steel Sheet Holder - Knob.stl

updated 21. 2. 2021

64.6 KB



BOTH - Steel Sheet Holder - Slider.stl

updated 21. 2. 2021

93.2 KB



BOTH - Steel Sheet Holder - Arm.stl

updated 21. 2. 2021

237.6 KB



MK - Steel Sheet Holder - Side 1-1.stl

updated 21. 2. 2021

127.3 KB



MK - Steel Sheet Holder - Side 1-2.stl

updated 21. 2. 2021

122.6 KB



MK - Steel Sheet Holder - Side 2-1.stl

updated 21. 2. 2021

115.6 KB



MK - Steel Sheet Holder - Side 2-2.stl

updated 21. 2. 2021

109.4 KB













MK - Steel Sheet Holder - Connector.stl

updated 21. 2. 2021

59.1 KB



	MINI - Steel Sheet Holder - Side 1-1.stl updated 21. 2. 2021	132.0 KB	
	MINI - Steel Sheet Holder - Side 1-2.stl updated 21. 2. 2021	126.2 KB	
	MINI - Steel Sheet Holder - Side 2-1.stl updated 21. 2. 2021	119.7 KB	
	MINI - Steel Sheet Holder - Side 2-2.stl updated 21. 2. 2021	111.9 KB	
	MINI - Steel Sheet Holder - Connector.stl updated 21. 2. 2021	59.3 KB	



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