

# Parametric Cable Strain Relief Plate



rahix

[VIEW IN BROWSER](#)

updated 28. 10. 2024 | published 28. 10. 2024

## Summary

A strain relief plate that cables can be fastened to using zip-ties.



1.17 hrs



1 pcs



0.20 mm



0.40 mm



PET



13 g



Prusa MINI /  
MINI+

[Hobby & Makers](#) > [Mechanical Parts](#)

Tags: [cablemanagement](#) [strainrelief](#) [cableguide](#)  
[cableorganizer](#)

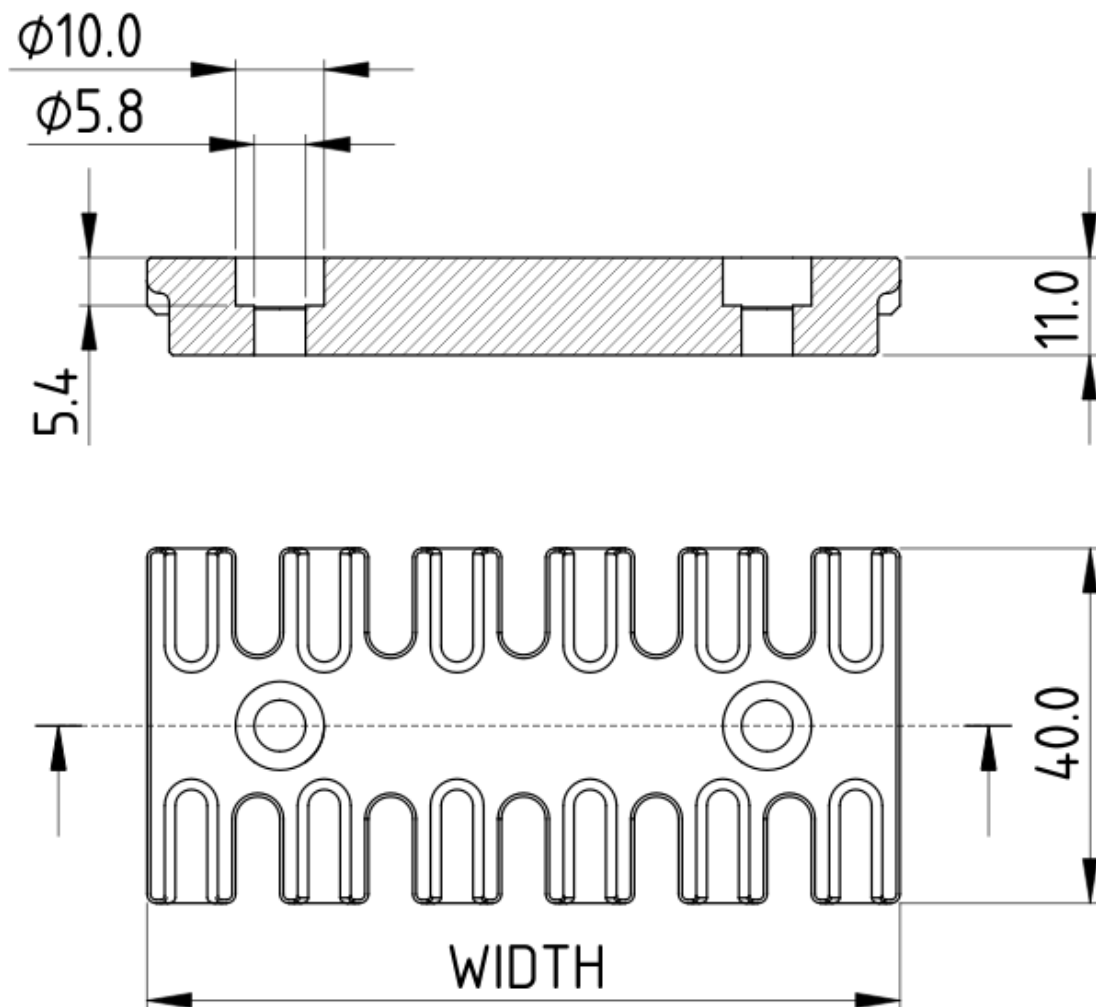
## About

A strain relief plate that cables can be fastened to using zip-ties. Various sizes are available and there is a parametric model for custom sizes (the number of cables can be adjusted).

The strain relief plate has mounting holes for M4 or M5 metric screws (e.g. ISO 4762).

Cables should be fastened using two zip-ties as shown in the images above.

## Details



Number of Cables	WIDTH	Mounting Holes	Hole Spacing
3	40 mm	1	n/a
4	55 mm	2	25 mm
6	85 mm	2	55 mm
8	115 mm	2	85 mm
12	175 mm	3	70 mm
16	235 mm	4	65 mm

## Parametric Model

If you want a custom size, you can use the parametric FreeCAD model to create it. In the file, there is a **Parameters** table. There, you can set the number of cables (**Count** parameter) and optionally the number of mounting holes (**Holes** parameter).


## Recommended Printing Parameters

<b>Orientation</b>	Print with the top surface facing down
<b>Support Material</b>	Print without support material
<b>Layer Height</b>	0.2 mm
<b>Nozzle Diameter</b>	0.4 mm
<b>Material</b>	PETG

## Model files



**strain-relief-plate-x3.stl**

 3 Cables



**strain-relief-plate-x4.stl**

 4 Cables



**strain-relief-plate-x6.stl**

 6 Cables




**strain-relief-plate-x8.stl**

 8 Cables



**strain-relief-plate-x12.stl**

 12 Cables



**strain-relief-plate-x16.stl**

 16 Cables







**strain-relief-plate-parametric.fcstd**

 Parametric FreeCAD model

# Print files



## strain-relief-plate-x6\_04n\_02mm\_petg\_mini\_1h10m.bgcode

 PET  0.40 mm  0.20 mm  1.17 hrs  13 g  Prusa MINI / MINI+

## License

This work is licensed under a  
[Creative Commons \(4.0 International License\)](#)



**Attribution-ShareAlike**

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