

Prusa MINI/MINI+ Bondtech Extruder Cable Chain Connection (X-axis + Z-Axis)



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Summary

Prusa MINI/MINI+ Bondtech Extruder Cable Chain Connection for connecting X-Axis and Z-Axis Cable chains.

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Prusa MINI/MINI+ Cable Chain Connector for the X and Z-Axis, designed for a Bondtech Extruder. In the file list you can find the .STL parts with the amount that needs to be printed in the title as well as the .SLDPRT (SolidWorks Parts).

Bill of materials:

- 1x M3x45mm Bolt
- 1x M3x25mm Bolt (can be salvaged from original Prusa MINI/MINI+ Extruder).

UPDATE (19/12/2023): I noticed that my MINI+ Z-carriage part warped a bit due to overtightening the M3x25mm Bolt. Be careful when

installing :). I am currently testing an alternative bolt size for the M3x25mm Bolt.

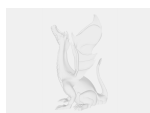
Instructions:

1. Print the two parts from the file list (1x Bondtech P1 and 1x Bondtech Spacer P2).
2. Unscrew the original Prusa MINI/MINI+ extruder (optional: salvage a M3x35mm Bolt from the original extruder).
3. Hold and align the parts and Bondtech extruder with the M3x35mm bolt (top hole) and M3x45mm bolt (bottom hole). Make sure the cables are guided through the printed parts (leave a bit of slack for the cables).
4. Tighten the screws to the MINI/MINI+ X-Axis carriage. This can be a bit tricky, since you have to align the screws and tighten the Bondtech Extruder at the same time (tip: tighten the top screw first and use this to align the bottom screw).
5. Self test (it might seem like the printed part is limiting the print volume of the MINI/MINI+ when going up to 190mm, but this is not the case).

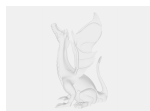
Print settings:

Standard Prusaslicer PETG 0.2mm Quality print settings, infill 20% (Grid), no supports and printed with Prusament PETG Orange.

Model files



bondtech-spacer-p2.sldprt



bondtech-p1.sldprt



1x-bondtech-spacer-p2.stl



1x-bondtech-p1.stl

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