



Ender 3/v2 improved z-axis motor mount



SilentStep

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Summary

This is a Z-axis motor mount designed for the Ender 3/v2 series of printers that fixes z-binding.

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Tags: [motor](#) [mount](#) [creality](#) [ender](#)

This is a Z-axis motor mount designed for the Ender 3 series of 3D Printers. It fixes problems with the original mount that lead to bending/binding of the z-axis leadscrew and also increases the rigidity of your printer.

Recommended print settings: 0.4mm nozzle 0.2mm layer height 40% gyroid or grid infill 4 walls 4 top/bottom layers No supports required, but i have done a test print with supports and they were quite easy to remove should you feel the need to use them.

I suggest using ASA, ABS or other heat-resistant materials. Stepper motors can get quite hot, and printer parts should always be made from heat-resistant materials if you use an enclosure or plan to in the future.

You will have to rotate the stepper motor 90 degrees from its original orientation so the cable connector faces in towards the bed.

Required Hardware: 4x M4x12 screws 4x M4 t-nuts 4x M3x16 screws 4x M3 washers Some of the original hardware for the stock z-motor mount can be re-used, i kept some screw lengths the same as the original.

I have included the STEP file so you can easily make modifications if required.

Model files

z-motor-mount.step



z-motor-mount.stl

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