



Bigtree ZSYong Mix Adapter plate for Ender 3 (Pro) and similar



xChristmas

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Summary

A simple adapter plate I designed to let you use your mixing hotend with your Ender 3 (Pro)!

[3D Printers](#) > [3D Printers - Upgrades](#)

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I bought [this](#) cheap mixing hotend from Bigtree and wanted to mount it to my Ender 3 Pro. Sadly I found no mounts that met all my requirements I designed my own. Particularly I wanted to use the hotend with [this](#) fanduct and a Bltouch.

I designed the mount in a way so that no support is needed while printing and so that it is mounted by the screws that hold the original printhead in place.

To mount the new hotend two threaded inserts are needed (Size: **M3X5X4**) Those are the same ones used as in the Voron-Printers as I think they serve their purpose very well.

I recommend printing this part out of PETG or **ABS** - Personally I only tested ABS but surely someone can add a comment if PETG worked for them or not.

I designed the part in such a way that the new nozzle is roughly in the same position as the stock one. The X offset is exactly the same and the Y offset is about 2.5mm forwards (which shouldn't really matter).

The Bltouch offsets are:

X: -40.8mm

Y: -2.6mm

Z: In the ballpark of -3.5mm

General Print settings are:

0.2mm Layerheight

4 Walls

40% Infill (Cubic/Grid/Triangles)

4 Top/Bottom layers

I may design a proper Partcooling fan-holder soon as the one from aliexpress is less than ideal

If you liked the design I would really appreciate you **posting a make** and **a comment**.

I also would really appreciate if you bought me a coffee!

Model files



btt-zsyong-mix-ender-3-pro-adapter-plate-with-blt.3mf

☐ With Bltouch



btt-zsyong-mix-ender-3-pro-adapter-plate.3mf

☐ Without Bltouch

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