



compliant Z axis nut mount



Peter

[VIEW IN BROWSER](#)

updated 19. 1. 2024 | published 19. 1. 2024

Summary

compliant Z axis nut mount

[3D Printers](#) > [Creality Parts & Upgrades](#)

Tags: [ender3v2](#)

My version of compliant mounting for Z axis nut. I use it with top side leadscrew supporting block. It is rigid in Z direction, but flexible a few millimeter in X and Y direction wich is enough to compensate Z rod wigeling.

One big downside is you **loose Z height**, because the higher Z nut position. My effective build volume height is now around 170 mm, that is more than enough for me.

The bottom part connect to the original sheet metal bracket, there is two version for top element (the creality brass nut has wider mounting hole distance than aftermarket types)
M3X10 screws in selftapping modes.

During print waterdrop shape central hole pointy tip looks up.

Model files



flex_x_crealtybrassnut.stl



flex_x_pomnut.stl



flex_y.stl

License ©

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



Attribution—Noncommercial—Share Alike

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