



Another Z-Axis Stabilizer with TPU ring



maps

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Summary

I already had used in this past (1 or 2 months ago) a Z axis stabilizer for the rod but it seemed that it was bending...

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I already had used in this past (1 or 2 months ago) a Z axis stabilizer for the rod but it seemed that it was bending so i take it off immediately.

After seeing several models i couldn't find something that i thought it would be secure to use without bending the screw rod.

Than i had the idea: "Why not make a TPU/Flex ring for the bearing to guide the screw rod and let it move with the compensation of the flexibility of the ring?!?!?"

And that's how this thing born! Also added a nut to freely move the Z Axis that is a copy of the bed knuts of the ender 3 but modified for this function.

You will need a bearing dia8dia227.

INFILL of the TPU i did it with 20% in gyroid pattern and it works well (so far).

ATTENTION!!!

I have a Ender 3 clone from LEON3D. In this model i found the best center of the screws for my printer.

Find out if you need to change them before printing.

If some one find out the center for the ENDER 3 i might changed and release the file updated

Update:

i start using the **Z axis anti wobble nut** that i strongly recommend

Follow me for more designs and updates.

If you like my work, support and "**buy me a cryptocoffe** "

Also, share some **makes in here!**

Model files



flexring.stl



stabilizerrollerarm.stl



handtwistednutz-letters.stl



handtwistednutz.stl

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