



Holder for Stabilo with Ball Bearing Remix



tokyo2000

[VIEW IN BROWSER](#)

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Summary

A version of Lopotok99's Stabilo holder where you can add a 8mm x 22mm x 7mm ball bearing to make it spinnable

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After removing Lopotok99's Stabilo holder from the printbed I thought to myself: "Wow, this looks awesome! ... Would be great if it could spin, though..." and I ordered a 20 pack 8 x 22 x 7 mm 608 ZZ ball bearings for 8,50 Euros on amazon.

The new base plate was designed in Fusion360, for the modification of the original model I decided against changing the mesh from the original .stl file to BRep, because this is always very computationally intensive). Instead I designed a new base for the original model which I converted to a mesh. Then in the Fusion360 Mesh Workspace I cut the original bottom and fused mine on the model.

Long story short, I think this is the reason the bottom of the model looks strange in slicer before slicing.

For printing I tried to print the Stabilo holding part upside down (so small holes for Stabilos on the printbed), because I didn't want to have to remove supports in case they don't come off nicely and would hinder the spinning later.

Also I was wondering if my Prusa Mini could bridge the whole part...
I learned that yes, the bridging is possible, but if you touch the bridged part, the first layer of lines is quite loose.

I don't mind this at all, since you can't see it very good anyway.

There are 2 .3mf files attached, one with the original height of the Stabilo holder and one wich I cut short to save printing time and material. In the picture and video is the short version, I think it also looks very nice if you can see more of the Stabilos in the holder.

But you can also load the original sized model in Prusa Slicer and decide your own desired height with the C key.

Here a short video of the ball bearing in action; since the Stabilos provide a good weight on the outside of the turning perimeter it has a nice long spinning time:

(Also I only had a 20 pack of Stabilos, so I need to buy 5 more to fill the model ^^)

This remix is based on



Holder for Stabilo fineliners

by Lopotok99

Model files



short-holder-for-stabilo-ball-bearing-remix.3mf

☐ Shortened by me to save printing time and material



holder-for-stabilo-ball-bearing-remix.3mf

☐ original height

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