



Lerdge iX - Frame for 20 teeth ball bearing Pulley with 3mm shaft



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Summary

New frame for toothed pulley with 20 teeth and ball bearing for 3mm shaft.

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I had light VFAs on the Y-axis, so I wanted to use a timing belt pulley with ball bearings.

For this, the frame had to be adapted (wider and for 3mm shaft as M3 screw).

At the same time I installed **another stepper motor with 0.9 degree steps**, which also worked well in my Sovol SV06. The motor is a 1:1 replacement, cables don't need to be changed and it stays cool in operation.

The VFAs are now gone!

However, I unfortunately do not know whether it is now the new pulley or the new stepper motor or both mods ;-)

If you also want to use a 0.9 degree stepper motor, you have to adjust the steps - see picture.

I printed without supports and with 0.12mm layers in Extruder PETG "neon green".

This remix is based on



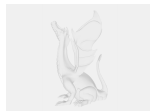
Lerdge iX

by lerdge

Model files



idlerpulleyframe_generic.3mf



idlerpulleyframe.step



idlerpulleyframe_x1c_orca.3mf



idlerpulleyframe.stl

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