



## Volvo Rotating Gyro Keychain PRINT IN PLACE MMU



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### Summary

A simple rotating keychain, that can be printed in place. Support for MMU

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Hey,

This is my model of the Volvo keychain.

It's compatible with MMU, but you can also use one extruder and manually change the filament (for the cut version, it's only 3 filament changes).

For the Print in Place version, you have to wait until the keychain cools down well and then start manipulating it until it starts rotating.

I am also attaching the version that is already cut.

Advantages of this solution:

- fewer changes of the filament
- smoother movement (you can sand the mechanism before assembling)
- both sides of the pendant will have the texture of the table

The cut version is best to be glued after printing.

I recommend using supports for the cut version.

# Model files



## **volvocut.3mf**

☐ Pre-cut version



## **volvoready.3mf**

☐ Print in Place

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