



Zippier Fidget Spinner



LoboCNC

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updated 12. 4. 2022 | published 11. 2. 2022

Summary

I reduced the diameter of the drive gear so that this fidget spinner is 60% zippier than my first Zippy Fidget...

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I reduced the diameter of the drive gear so that this fidget spinner is 60% zippier than my first Zippy Fidget Spinner! (<https://www.thingiverse.com/thing:2379179>)

It works great without the zip cord, too.

UPDATE: I've added a slightly smaller rip cord (zipper140.stl) for folks with a 150mm print bed.

Print Settings

Printer Brand:

MakerGear

Printer:

MakerGear M2

Rafts:

No

Supports:

No

Resolution:

0.2mm

Infill:

20%

Notes:

The part zippy2_.stl has a built-in break-away support where the bearing goes. Break this out and clean up any loose bits before proceeding with the assembly.

Post-Printing**Assembly & Use**

You'll need six 1/4-20 nuts (7/16" across the flats) for the inertial mass and one 608 bearing. After printing, press all 6 nuts into place in the outer ring (zippy.stl). Remove any shields or seals from your bearing and wash out any grease or oil to make it spin longer. Press the bearing into the outer ring so that it is flush with the bottom (the non-gear side). Insert the hub into the bearing so that it covers the gear. Press the hub cap into the other side of the hub. If it is not a tight fit, increase the size by 1% or so, or else carefully superglue in place.

After printing the zipper, run it under hot water and gently flex it so that it is more or less straight. Insert the end of the zipper into the slot in the hub and then let'r rip! Category: Mechanical Toys

Model files

zipper.stl





zipper140.stl



hubcap.stl



hub2.stl



zippy2.stl

[Find source .stl files on Thingiverse.com](#)

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