Finger Slinger - Print In Place Spinning Fidget

LinkDesigns

VIEW IN BROWSER

updated 31. 7. 2023 | published 31. 7. 2023

Summary

A simple yet riveting fidget with a print in place bearing. Test your skills and become a master Slinger!

2.10 hrs	1 pcs	0.20 mm	0.40 mm	PLA	13 g	Creality CR-10 V1

Toys & Games > Other Toys & Games

Tags: fidget bearing printinplace nosupport fingerslinger

Design

This fidget has similar characteristics to a butterfly knife, but in a simple, smooth, and forgiving package. It's designed to print in place with zero supports, and has two weight options depending on how “slingey” you want it to be.

Printing

Resolution: .2mm

Walls/Perimeters: 3-4

Infill: 20%

Supports: nope

Weights

Some weight is required to give the Finger Slinger momentum, so there are two options.

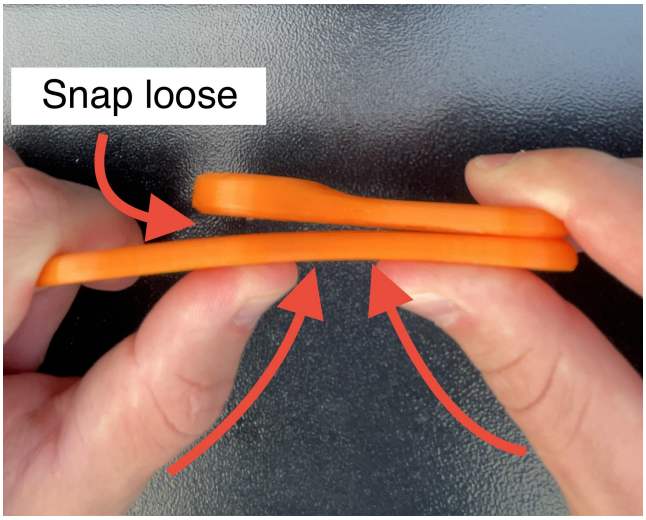
1. Printed Weight: A cool looking insert that provides great balance and agility. (print at 100% infill)
2. Skateboard Bearing: For insane performance and crazy speed, a 22x7x8mm bearing can be used.

Freeing the Fidget

To break the model loose, follow these steps:

*don't be afraid to use a bit of force

First, give it a slight bend until the arms pop away from each other:



Then push the top arm out to free the bearing:

Notes

Both weight options should press fit nicely into the top arm, but a little glue isn't a bad idea if they seem loose.

Scaling: My hands are on the bigger side, so the fidget may be a little large for some people. If you need to scale it up or down, +/- 20% is the threshold before tolerances get messy.

I'd love to hear feedback on this design and continue developing it, so let me know what you think!

Model files

finger-slinger.stl

Standard version

weight.stl

Print @ 100% infill

finger-slinger-reduced-air-gap.stl

Try this if you're having issues with the air gap between the arms

finger-slinger.step

For easier remixing :)

Print files

finger-slinger.gcode

PLA 0.40 mm 0.20 mm 2.10 hrs 13 g

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