

Print In Place scissor snake.



Pivot Les SL

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Summary

A big snake Scissor.

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Tags: [toy](#) [snake](#) [kid](#) [fun](#) [printinplace](#) [cool](#) [scissors](#)

The "Scissor Snake" is a fun 3D printed toy. It is easy to print without support; the "Scissor Snake" comes off the build plate assembled and ready to use. Its motion is incredibly smooth, resulting in a very precise, fast, durable and fun remote grabber.

This design uses an exclusive, support-less crossover bearing, engineered for the project. The cross-over bearing interlocks with the frame when fully extended under load, causing the frame to become rigid, thereby reducing stress on the bearing pivots. This results in a strong and durable toy cable of lifting many times its own weight. Kid tested. Guaranteed to provide many hours of fun for kids of all ages.

Mini - Use as a test print to calibrate your crossover bearing for no fusing and tight motion

Scissor - The Classic scissor snake, easy to print and a good size for kids

Super - Once you have it dialed in, this one can be a lot of fun; it little more challenging to print. This is the longest Scissor Snake,

Magnum a.k.a. the Trouser Snake - Another kind of Scissor Snake.

Curvy- Forms an "S" curve when extended

Corner - Forms a curve when extended, to snake around a corner

Instructions

Print at 100% scale, using 30% to 50% infill, no support, at 0.2mm layer height. The "Scissor Snake" is designed to print at 100% scale on a wide range of 3D printers. However, if the print comes out looser than you'd like, you can reduce the scale by 5 to 10%; this will produce tighter joints. If the print comes out too tight, increase the scale by 5 to 10%; this will produce looser joints. Normally this is not necessary. Otherwise, for best results, don't change the scale of the model.

Print Settings

- Rafts:

No

- Supports:

No

- Resolution:

0.2

- Infill:

30%

- Notes:

Use extruder fan to help with small overhangs; usually prints without fusing.

This remix is based on



scissor snake family by gunnarbeddoes

Model files



stl

6 files



corner-scissor.stl



original-scissor.stl



magnum-scissor.stl



curvy-scissor.stl



super-scissor.stl

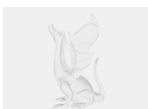


mini-scissor.stl



3mf

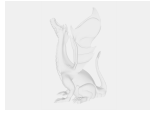
6 files



original-scissor.3mf



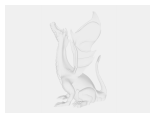
mini-scissor.3mf



curvy-scissor.3mf



magnum-scissor.3mf



corner-scissor.3mf



super-scissor.3mf

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