

Flexi Rex with stronger links



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updated 12. 6. 2022 | published 15. 11. 2020

Summary

This is my improved version of the classic Flexi Rex.



2.30 hrs



1 pcs



0.20 mm



0.40 mm



PLA



18 g



Prusa
MK3/S/S+

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Tags: [dinosaur](#) [flexi](#) [flexible](#) [printinplace](#) [trex](#) [toy](#)
[tyrannosaurusrex](#)

This is my improved version of the classic Flexi Rex. Somehow this version became the most popular one, maybe just because it doesn't break easily when handled by kids.

I uploaded this model to Printables for everyone's convenience. **The primary source for this model remains its [GitHub repository](#) where you can find the latest updates** (although there probably won't be many), and detailed instructions.

(I'll try to keep this copy in sync with the source, but I can't promise this.)

Attribution:

This is a remix of Kirbs' Flexi Rex ([Thingiverse thing:1759297](#)), based on airfish's remix ([Thingiverse thing:2189652](#)). That model in turn was most likely inspired by the 'Flexy Rex' by zheng3 ([Thingiverse thing:929413](#)).

The reason why I made this version is that my print of Kirbs' original model was not very kid-proof: one of the links broke after some rough handling. Hence I made all links more robust. This means this model can probably be printed even smaller than the original ones before the links become too weak. Of course you can also scale it up at will.

Note to anyone wanting to sell this:

You can sell prints of this model without having to ask explicit permission, but you must honour the Creative Commons - Attribution - Share Alike license. [See the GitHub page for detailed instructions.](#)

(And yes, if you see other copies of this model on this site that do not refer to this original, either through the old Thingiverse page, the GitHub page, or this very page, they are violating the CC-BY-SA license indeed. But since I'm not the author of the truly first main design either, I won't make a fuss about it and trust that everyone will eventually update their copies with a link to the original source.)

Print instructions

The recommended print settings are:

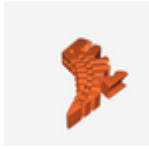
- 0.2 mm layer height
- 3 perimeters (important, to make the links strong)
- 15% infill

Expect about a 2 hour print time.

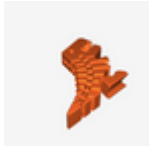
Don't use a high infill value for the entire model, this could cause it to become unbalanced. For improved stability, keep infill low on all pieces but give the piece with the feet a higher infill.

A pre-sliced gcode file and PrusaSlicer project file are provided for the i3 MK3.

Model files



flexi-rex-improved.stl



flexi-rex-improved-prusai3mk3.3mf

Print files



flexi-rex-improved-prusai3mk3_02mm_pla_mk3_2h18.gcode

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 2.30 hrs ⚖️ 18 g 🖨️ Prusa MK3/S/S+

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

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