



Spiral spring Catapult remixed + projectiles

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Summary

Sturdier design of the awesome catapult



8.06 hrs



1 pcs



0.30 mm



0.40 mm



PET



162 g



Prusa
MK3/S/S+

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Tags: [catapult](#)

I found the catapult of @Lilimill2000 incredible, but without gluing it, it was dismantling quite quickly and the “stop bar” was breaking quite easily.

What I modified:

- The stop bar is now larger and can be clipped to the model. It gives a lot more of integrity
- The front bar is now a clipped inside of the left/right side, and you need to screw it.
- The trigger bar has now 2 spacer that forces the trigger to be in the middle
- The trigger bar is also clipped inside and screwed to the frame.

And that's it. Now it's quite sturdy and I didn't managed(yet) to break the stop bar.

You will need 4x M3 12-16mm screws.

Also bonus, i added some projectiles

Beware, it's quite strong and maybe not for children ;)

This remix is based on



Fully 3D Printed Catapult

by Lilmill2000

Model files



Bonus

2 files



everything-is-included.3mf

☐ I don't recommend printing everything in one print, but it gives you print settings



projectile.stl

☐ a bonus projectile that works nicely. To print with 100 infil



Edited pieces

6 files



frontbar.stl

☐ To print with the maximum of perimeters(9 in my case)



stopbar.stl

☐ To print with the maximum of perimeters(15 in my case)



triggerbar.stl



left.stl

☐ print flat with support for the 2 holes



right.stl

☐ print flat with support for the 2 holes



triggerbarspacer.stl

☐ Used to keep the trigger in the middle. You need 2 of them



Original pieces(still needed)

4 files



unmodified-arm.stl



unmodified-spring-for-left-side.stl



unmodified-trigger.stl



unmodified-spring-for-right-side.stl

Print files



catapult-remix_03mm_petg_mk3s_8h4m.gcode

PET 0.40 mm 0.30 mm 8.06 hrs 162 g Prusa MK3/S/S+

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