



Fully 3D Printed Catapult

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[VIEW IN BROWSER](#)

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Summary

This is a fully 3D printed catapult capable of launching projectiles over 80 feet. PETG is preferred, but PLA will work.



37.74 hrs



3 pcs



0.20 mm



0.40 mm



PET



443 g



Prusa
MK3/S/S+

[Toys & Games](#) > [Other Toys & Games](#)

Tags: [fullyprintable](#) [catapult](#) [3dprintedcatapult](#)

This is a fully 3D printed catapult capable of launching projectiles over 80 feet. The spring is attached to the arm using a hexagon, so you can add more tension by rotating the spring a little more before attaching it to the arm and to the frame itself. The stop bar may break at a higher power, so printing it with a stronger material or using something metal there may be useful. If you have any questions, feel free to leave a comment and I'll try to answer them to the best of my ability! Hope y'all enjoy it!

Model files



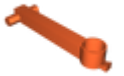
full-catapult.3mf

☐ Updated launcher pin for better tolerances



full-catapult.stl

☐ Updated Launcher pin for better tolerances



arm.stl

☐ Print connector part solid



trigger.stl

☐ Print solid



side-1.stl

☐ print solid or heavy infill



side-2.stl

☐ print solid or heavy infill



spring-side-1.stl



spring-side-2.stl



spacer-x3.stl

☐ print 3 of these



stop-bar-print-solid.stl

☐ print solid an orient where the layer lines are perpendicular to where the arm will hit



launcher-pin-bar.stl

☐ Updated for better tolerances

Print files



full-catapult_02mm_petg_mk3s_11h51m.gcode

🌀 PET 🌀 0.40 mm ≡ 0.20 mm ⌚ 11.85 hrs ⚖️ 149 g 🖨️ Prusa MK3/S/S+



full-catapult_02mm_petg_mk3smmu2s_11h51m.gcode

🌀 PET 🌀 0.40 mm ≡ 0.20 mm ⌚ 11.85 hrs ⚖️ 149 g

🖨️ Prusa MK3S/S+ & MMU2S



full-catapult_14h3m_020mm_240c_petg_ender3.gcode

🌀 PET 🌀 0.40 mm ≡ 0.20 mm ⌚ 14.04 hrs ⚖️ 145 g 🖨️ Creality Ender-3

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