



Retractable wall hook

 thelaguna

[VIEW IN BROWSER](#)

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Summary

Retractable hook with a 3d printed spring



1.76 hrs



2 pcs



0.15 mm



0.40 mm



PLA



13 g



Prusa
MK3S/S+ &
MMU2S

[Household](#) > [Other House Equipment](#)

Tags: [articulated](#) [hook](#) [retractable](#) [springloaded](#) [wallhook](#)

What:

3D printed retractable hook

Design is optimized for 3d printing.

Default part orientation + 6 perimeters wide * 0,40 nozzle shell gives the model proper strength.

Why:

in 99% a nail in the wall is enough to hang something on it, so why bother with anything extra?

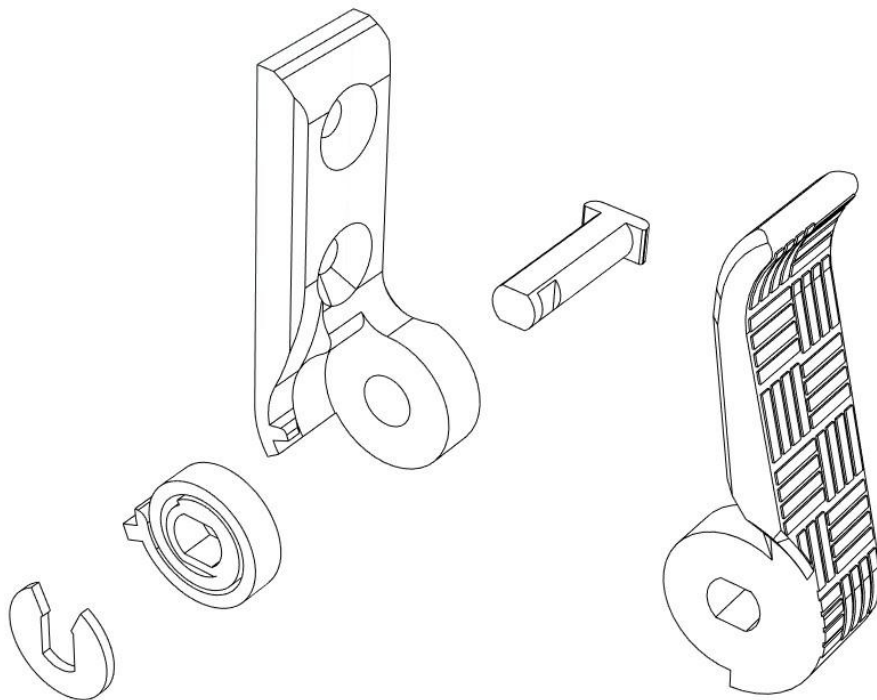
Well, because I can. That's the charm of 3d printing.

I don't have to and I don't want to keep it simple. I don't have to keep costs low since I'm not producing thousands of pieces. I can just create another overcomplicated micro-machine and be happy with the result, even if it's retarded in terms of usability.

How:

Install the mounting plate first.

When the mounting plate is in place, install the hook with a pin. After that attach the spring and secure everything with a washer:



Model files



STL

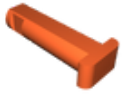
7 files



hook.stl



d_ring.stl



pin.stl



mount.stl



mount_no_holes.stl



spring.stl



pin_tool.stl



3MF

7 files



d_hook.3mf



d_mount.3mf



e_mount_no_holes.3mf



e_spring.3mf



d_ring.3mf



d_pin.3mf



pin_tool.3mf

Print files



hook_brass_015mm_pla_mk3smmu2s_53m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.15 mm ⌚ 0.88 hrs ⚖️ 7 g

📁 Prusa MK3S/S+ & MMU2S



hook_steel_015mm_pla_mk3smmu2s_53m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.15 mm ⌚ 0.88 hrs ⚖️ 6 g

📁 Prusa MK3S/S+ & MMU2S

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