

## Push2open - Reliable and powerful (Latch mechanism)



FunkyArt

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## Summary

Repair or upgrade your furniture by adding/replace a push2open mechanism.

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What is the most obvious thing to do when the handle of your drawer breaks off? Replace it with a push to open mechanism ;) Replace or extend your drawers with the convenient push2open mechanism.

The drawers should have rails. it is also important to ensure that the drawers can still be pushed in when upgrading, otherwise they will stick out a little.

The brackets should be used for fastening, they are designed in such a way that they cannot be attached at any point, this is to avoid disturbing the mechanics. they can be glued or screwed, and they also allow easy replacement.

All you need is a Spring (ø 7-8 mm x 40 mm) and some PLA & PETG

Assembling:

First you should install the slide as shown in the picture. once the slide is in, it should not be able to fall out. make sure that the slide runs smoothly, if not, check for support residue or similar problems. If necessary, you may also have to grind the "rail" on the housing a little.







These two hooks are not the same, make sure the hook is installed below the axle height. You should also place the spring as shown in the picture. This is actually the only part where something can be installed incorrectly :)

Here I have taken the side with the "R", which belongs to the back or closed side. I pressed it into the

spring first and then installed both together. the slide should be fully extended (like picture above) so that the hook finds its correct place immediately.

Now install the spring, if there is no hole you have forgotten to remove the support ;) If it is too short you can pull them to increase the size a little (like i did).



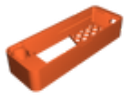
Then carefully bend in the cover parallel to the back. This should ideally be a little flexible (petg), then it should fit without any problems.

Now the whole thing should work.  
If it doesn't, press both hooks together again, they should be even with the housing. If this doesn't work either, check if there is support on the inside of the slider (on both sides).

To use the whole thing for a longer time, you should apply a little grease to the grinding points.



## Model files



### **czfa\_push2openv1\_case.stl**

☐ Print with support (tree-hybrid)

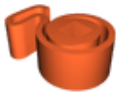


### **czfa\_push2openv1\_slider.stl**

☐ Print with support (tree-hybrid), clean the support after print carefully.

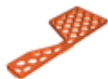


### **czfa\_push2openv1\_mount.stl**



### **czfa\_push2openv1\_petg-spring.stl**

☐ Print with PETG



### **czfa\_push2openv1\_cover.stl**

☐ Optional: Print with PETG that will make the fitting easier



### **czfa\_push2openv1\_hooks.stl**

☐ Print with stiff materials and at least 3 outlines (PLA, Carbon fiber,...)

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