



Tiktok Gravity knife fidget toy



SmileyPrinter

VIEW IN BROWSER

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Summary

Gravity knife fidget toy as seen on TikTok

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Tags: [toy](#) [cute](#) [fidget](#) [model](#) [knife](#) [fun](#) [tiktok](#)
[satisfying](#) [gravityknife](#)

Original files from the video as seen on TikTok!

credit to <https://space.bilibili.com/11381512>

To connect the blade to the housing I used an M3x16 screw and a nut with pin set V1. You could also superglue it in with pin set V2 if you don't have any bolts lying around.

I used an M3x20 screw to attach the shell to the main body.

Gravity knife blades V2 and V3 have slits cut in them to add a blade I believe but I wouldn't recommend it since it is supposed to be a fidget toy and it wouldn't be safe.

Print 1 copy of each category using supports

I use pin set V1, Gravity knife main V2, Gravity knife blade V1 and either Gravity knife shell V1 or V2 when I make mine which gives it a smooth opening and closing action perfect for fidgeting.

Print orientation:

Print in whichever way you want, I printed with the point of the blade pointing upwards and the shell with the outside flat side on the base and the main body facing upwards as well.

Model version guide

Pins

Pin set V1: For use with bolts

Pin set V2: For use with superglue

Main Body

Gravity knife main V1: Larger-sized hole for the screw to attach the shell and a loop for a wrist strap.

Gravity knife main V2: Smaller-sized (M3) hole for the screw to attach the shell and a loop for a wrist strap.

Gravity knife main V3: Same size hole for the screw to attach the shell as V1 but no loop for a wrist strap.

Blade

Gravity knife blade V1: No slit cut into the blade.

Gravity knife Blade V2: Slit cut into the inner straight edge of the blade.

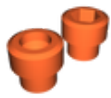
Gravity knife Blade V3: Slit cut into the angled edge of the blade.

Shell

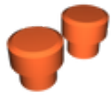
Gravity knife shell V1: No rim around the hole for the screw.

Gravity knife shell V2: Has a rim around the hole for the screw.

Model files



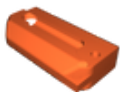
pin-set-v1.stl



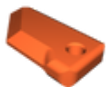
pin-set-v2.stl



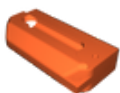
gravity-knife-shell-v1.stl



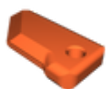
gravity-knife-main-v1.stl



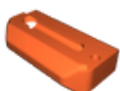
gravity-knife-blade-v1.stl



gravity-knife-main-v2.stl



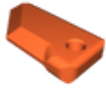
gravity-knife-blade-v2.stl



gravity-knife-main-v3.stl



gravity-knife-shell-v2.stl



gravity-knife-blade-v3.stl

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