

Universal backpack/jacket hook



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VIEW IN BROWSER

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Summary

3D printable gear hook with carabiner, that can act as a tablehook

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Inspired by Heroclip by GearAid <https://www.gearaid.com/pages/heroclip> this hybrid gear clip allows bags, backpacks or jackets by hung on places, where they otherwise wouldn't.

About 60 cm (2' for those from the other side of Atlantic) of paracord or other rope is require to assembly tablehook and carabiner part. It may also work without the carabiner (see second attached image) but only as a table hook. For hanging stuff of the doors or public restroom doors you require both parts, or hook part and metal carabiner. I didn't have big enough one in my gear so decided to go with 3D printable approach.

Both parts require about 60 g of filament (around 30 g each) and print on my klipperized Ender 3 in about 2 hours (do not believe what OrcaSlicer says.

Parts have slots and holes inside for extra perimeters. I've exploited one of the additive manufacturing benefits via designing semi-hollow parts for extra strenght.

Printed in **PETG**, with **0.5 mm** nozzle and **0.25 mm** layer height. No tight tolerances so any nozzle and layer height should work. As for material - depending on the load you want to hang anything from PLA to PCCF should be okay.

2024/01/15: Revision B added!

I've modified the files a bit making them sturdier and more stable after tie a knot. As for those I recomend **ossel hitch** and **double cow's hitch**. It doesn't matter on which side you start, they're interchangeable (you can apply ossel hitch to the table/hook side and double cow's to the carabiner side or the other way around). You can find all new files in the **rev-b** folder in the Files section.


I've also added **paracordless** version of the hook for those who don't want to play with knots.

.step files attached for easier remixing.

Model files

 **rev-b** 6 files

contraption-carabiner-rev-b.step

 **contraption-carabiner-rev-b.stl**

 **paracordless-contraption-rev-b.stl**

paracordless-contraption-rev-b.step



contraption-tablehook-rev-b.stl

contraption-tablehook-rev-b.step



rev-a

4 files

contraption-tablehook-rev-a.step



contraption-tablehook-rev-a.stl

contraption-carabiner-rev-a.step



contraption-carabiner-rev-a.stl

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