Mono Master - store waste line

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VIEW IN BROWSER

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Summary

Keeps fishing line out of our lakes and rivers. For the angler who cares about protecting the environment.

Sports & Outdoor > Outdoor Sports

Tags: fishing

Take a step towards more sustainable fishing with the Mono Master, a cleverly designed device crafted to help you manage and collect fishing line cutoffs. Engineered for convenience and environmental responsibility, the Mono Master ensures that leftover nylon, which poses a long-term threat to our natural ecosystems, never finds its way into lakes or other natural habitats.

Key Features:

- **Efficient Collection:** Easily gather and store all your fishing line cutoffs with a simple, user-friendly design.
- **Portable and Lightweight:** Designed for ease of transport and use, the Mono Master can accompany you on all your fishing trips without adding bulk.
- **Eco-Friendly Solution:** By using the Mono Master, you're actively contributing to reducing environmental pollution, making it a must-have for every responsible angler.

How it works:

Simply feed line cutoffs into the opening on the side of the device and spin the rotor with your fingers. the hooks on the rotor will pull the line into the device the same way that pet hair gets stuck in your vacuum cleaner. When its full or you get home just pop it open and throw the cutoffs in the trash instead of into the lake.

Rotors:

- I've created five different rotor designs in the files. Each are designed to basically replicate “hook and loop” or Velcro and hook onto the line to pull it in. I've found that **“rotor_hooks.stl”** works the best for this but feel free to experiment with the other designs as well. They are designed to be printed **without supports** as the sagging and “spaghetti-ness” adds to the velcro effect.

Printing:

All parts should be printed **without supports** and have been designed to do so successfully. Orient the body and the lid with the flat faces on the bed & the rotor straight up and down with the wider base on the best. You may want to print the rotor with a brim for stability but it may not be required.

The parts have been designed and tested in PLA and PETG but other materials should work fine.

If the tolerances on the locking mechanism are to tight for your machine, simply sand down the nubs on the cap slightly until it closes.

Model files

Additional Rotors 4 files

rotor_straight_med.stl

rotor_straight_long.stl

rotor_spaghetti_med.stl

rotor_spaghetti_long.stl

cap.stl

body.stl

rotor_hooks.stl

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