



# Universal Filament Spool Reel



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## Summary

Convert an empty filament spool into a reel. Adjustable to fit most spools.

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Tags: [spool](#) [pool](#) [reel](#)

### Requires 2 \* 6201RS bearings.

The spool is held in pace by friction, and I have not had any issues with slipping to this point.

Parts of this were reused from my [spool holder](#).

I printed in PETG with no supports on any of the pieces, however. I did use helper disks on corners and the threaded end of the handle. The Print in Place (PIP) nob needs to be printed as one object and there is a flat side on the handle that is meant to be put on the build plate.

I printed with 5 perimeters and 30% infil at 0.24mm layer height. This is still a little flexible and does bend a little when reeling up the pool backwash hose in the picture, but at 50ft, it is quite heavy.

Press and lock the nob+hub into the arm with a little force.

Press the bearings in to the cone and the arm. I was able to press them in by hand without any tools.

All feedback is welcome!

## Model files



**arm.3mf**



**nut.3mf**



**cone.3mf**



**pip-nob.3mf**



**handle.3mf**

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