



# Filament Spool Roller for various bearings



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## Summary

A filament roller with customizable inserts to use any bearings as rollers

[3D Printers](#) > [Accessories](#)

Tags: spoolroller

I built an MMU unit this weekend but needed a way to hold 8 spools of filament while printing. I didn't have any bearings, but had tons of these POM wheels laying around after owning an Ender 3.

So taking inspiration from a few designs here on Printables, I came up with this filament spool roller.

I've created sleeves for POM wheels and 608ZZ bearings, but if you have any other sized bearing, the design should be easily adaptable for those too.

Print 4 sleeves, 4 pins, two rollers and a main body. Assembly should be fairly self-explanatory.

I printed everything in PETG at 0.2mm layer height

# Model files



CAD

7 files

**608zz-sleeve.step**

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**pom-wheel-sleeve.step**

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**pom-wheel-pin.step**

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**roller.step**

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**608zz-pin.step**

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**pom-wheel-filament-roller.f3d**

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**housing.step**



**608zz-pin.stl**

☐ Pin for 608ZZ bearings



**pom-wheel-pin.stl**

☐ Pin for POM Wheels



**pom-wheel-sleeve.stl**

☐ Sleeve for POM Wheels



**housing.stl**



**roller.stl**



**608zz-sleeve.stl**

☐ Sleeve for 608ZZ bearings

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