



Universal plastic-bearing Spool Holder

A Alex Y

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Summary

Universal stand for 1kg or less, filament spools.

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First time when I print plastic bearings I was impressed how they perform for almost no cost and efforts. Then I found that most of the spoolholders in the web are with metal bearings(which is no surprise of course), so I came with the idea of all plastic spoolholder, including bearings and this is what came up. It is universal for many types of spools, but for more than 1kg may not work(I don't have that big spool, so I don't know). I print only test parts to check if everything fits, and.. yes. For the entire model I'm waiting for material, promise to add pics when it's made. Put some machine oil to the bearings, or any lubricant, it makes it work quieter and rotate easier.

Here are some of my settings with Creality Print:

material flow- 95%

outer and inner walls- 0.4mm

layer high- 0.2mm

slicing tolerance- Exclusive

jerk outer- 3

jerk inner-4

no support needed!

Threads are on the loose side, but bearings may be tricky, so you will find a test part to figure out your settings without waist a lot of time and filament.

If you send me feedback I can make the stand better.

Hope You guys like it, cheers.

Model files



upbsh-base.stl



upbsh-axle_handle.stl



upbsh-plastic_bearing.stl



upbsh-axle.stl



plastic_bearing-test.stl

Other files



universal-plastic-bearing-spool-holder-overview.pdf

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