

Remix of "Prusa i3 filament guide with 22mm bearings"

Siff3D **Siff3D**

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Summary

A remix of the roller and the nut of the "Prusa i3 filament guide with 22mm" bearings by assemblerbot



2.28 hrs



2 pcs



0.30 mm



0.40 mm



PET



41 g



Prusa
MK3/S/S+

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

Tags: [originalprusaenclosure](#) [prusai3](#)

This is a remix of the roller and the nut of the "Prusa i3 filament guide with 22mm bearings" by assemblerbot.

I ordered bearings which, on paper, matched the specifications provided by assemblerbot in the original model. Unfortunately, the ones I got are almost standard (the outer diameter is correct; the inner - not so much) and didn't rotate at all since the nuts were too small and were simply slipping inside the bearings.

So to changed the roller to have removable nuts on both sides and made thicker nuts (both the part which goes in the roller and the part which goes in the bearing).

Please note that you need to print 2 pieces of the nut.

I'm also uploading the .f3d Fusion 360 files, so you can change the dimensions to fit other not-so-standard bearings you might want to use.

Print Settings

Printer: Prusa i3 MK3S+

Rafts: No

Supports: No

Resolution: 0.3

Infill: 25%

Infill type: Gyroid (not required)

Filament: PETG, PLA

Samples printed in: Prusament Jet Black and Orange PETG

Notes:

(not required) Perimeters 4; Bottom and Top solid layers: 4

Update 2023-06-27: Added .gcode files

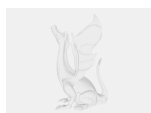
This remix is based on



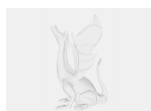
Prusa i3 filament guide with 22mm bearings

by assemblerbot

Model files



filament_guide_nut_larger-v5.f3d



guideroller-updated-v4.f3d



filament_guide_nut_larger-v5.stl



guideroller-updated-v4.stl

Print files



filament_guide_nut_larger_03mm_petg_mk3s_8m.gcode

🌀 PET 📏 0.40 mm 📏 0.30 mm ⌚ 0.13 hrs ⚖️ 1 g 🖨️ Prusa MK3/S/S+



guideroller-updated-v4_03mm_petg_mk3s_2h9m.gcode

🌀 PET 📏 0.40 mm 📏 0.30 mm ⌚ 2.15 hrs ⚖️ 40 g 🖨️ Prusa MK3/S/S+

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