



RackRoller: Open Source Flange Roller Add-on For RepBox 2.3.1+ and RepRack System



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Summary

Open Source Flange Roller Option for RepBox, RepRack or a simple desktop roller solution.



3.71 hrs



2 pcs



0.35 mm
0.40 mm



0.60 mm
0.80 mm



PET



99 g



Prusa
MK3/S/S+

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Tags: [spoolholder](#) [filamentspoolholder](#) [storage](#) [roller](#)
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Optional upgrade for your **RepRack** or **RepBox** storage systems. Add a flange rollers to your slip rod setup for enhanced rolling as needed. Print directly from your RepRack or use in a standalone configuration. Snap fits cleanly over **slip rod**. Designed for maximum utility across a number of use cases.

Also check out our companion model **ROTINI** as a way to use your cardboard spools with more traditional flange rolling systems!

Bill of Materials

- **4 x 3D Printed Roller Sides** (2 symmetrical sides per roller)
- **4 x #6 x 5/8" (16mm) Thread Forming Screws for Plastics**
- **4 x 608 Bearings (Common Skate Bearings)**

Options

- **Crossmembers For Linking together Rollers:** Use the 3MF file to set the height of the model to the desired crossmember length
- **1" Anti Slip Feet:** Good for standalone desktop use.
- **Additional TF Screws:** for clamping the roller to RepRack

Files are available to all. We appreciate your recognition of our brand as the creator of this system and are very excited to see how you use it. Remixing for personal use is allowed but we do kindly request that you maintain our branding if doing so. Your support of our company allows us to continue to create and share projects like this with the community. If you would like to see more open source contributions like this from us please consider donating whatever amount you feel is fair to help our efforts here: https://www.paypal.com/donate/?hosted_button_id=2C3K3DV44QAFQ

By no means is this required but it is **ALWAYS** appreciated.

Model files



rackbearingroller_v22.stl

☐ Print 4 of these for a set. Two symmetrical sides each



7mm_crossmember_08n.3mf

☐ Set the Z-height of the cylinder in this file to the length of crossmember needed and slice.



rackbearingrollerset_v22_06n.3mf

☐ Pre configured set of four ready to slice



rackroller-v24.f3d

📄 Fusion 360 File For Rollers

Print files



rackrollerset_v22_06n_035mm_petg_mk3s_3h36m.gcode

🌀 PET 📏 0.60 mm 📏 0.35 mm ⌚ 3.59 hrs ⚖️ 97 g 🖨️ Prusa MK3/S/S+



7mm_crossmember_80mm_08n_04mm_petg_mk3s_7m.gcode

🌀 PET 📏 0.80 mm 📏 0.40 mm ⌚ 0.12 hrs ⚖️ 2 g 🖨️ Prusa MK3/S/S+

📄 Optional Crossmembers for Attaching Rollers

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