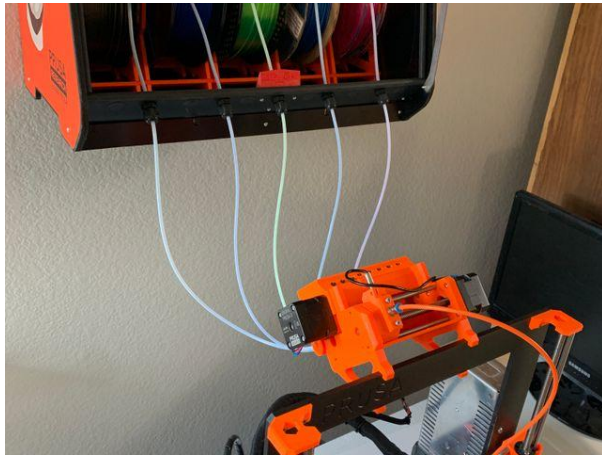




RepWinder v2.14

[VIEW IN BROWSER](#)

updated 6. 2. 2022 | published 22. 10. 2019

Summary

A RepBox compatible or standalone rewinder system for Prusa MMU2 & REPLACE THE BUFFER BOX!



20.30 hrs



3 pcs



0.20 mm
0.30 mm



0.40 mm



PET



250 g



Prusa
MK3/S/S+

[3D Printers](#) > [3D Printers - Upgrades](#)

Tags: [spool](#) [multimaterial](#) [mmu](#) [rewinder](#) [spoolholder](#)
[mmu2](#) [spoolrod](#) [repkord](#)

A **RepBox** compatible or standalone rewinder system for Prusa MMU2 & **REPLACE THE BUFFER BOX! ;)**

>> **Non-Printable Hardware Kits Available Here**

>> **Assembly Video Here**

UPDATED 2/5/22

RackStands for **RepBox v2.3.1+** and **RepRack** are now **AVAILABLE HERE!** Allows you to now place RepWinders in your newer model RepBox without having to Remove the Slip Rods!

UPDATED 10/29/19

Print instructions

3MF File set up for Default .2 layer height Prusament PETG PrusaSlicer profile. Can be done in PETG or PLA. Tolerances are tight so be sure your machine is properly calibrated.

Includes stands, optional spacers/mount versions for Prusament, ProtoPasta, Atomic/Generic 1kg spools with up to 72mm traverse. Other spools with a 2inch arbor and less than 72mm wide may be used with the proper spacer. Look at the Atomic/Generic Ring file for an example or contact support@repkord.com if you'd like to request additional spool adapters.

Each rewinder set requires one of each of the following printed parts:

- 1x- Core
- 1x- Tension Nut
- 1x- Tension Cap
- 1x- ClutchPlate
- 1x- Spool Cap
- 1x- Left Axle Ratchet
- 1x- Right Axle Ratchet
- 1x- Left Axle Ratchet
- 2x- Stand Sides
- 2x- Stand Slotted Crossmembers
- 1x- Spool Ring (Different Options Depending on Spool Being Mounted)
- 1x- Base Cap (Different Options Depending on Spool Being Mounted)
- 1x- OPTIONALLY Spool Spacers depending on spool width

SPACER / MOUNT CONFIGURATIONS:

- Prusament- None Required, use Prusament Ring Only
- 1KG Generic: Atomic, IC3D, etc- Prusament/Generic End Cap and Rings with 15mm Spacer
- ProtoPasta 1Kg Cardboard Spools- Proto Pasta End Cap and Ring Only (No-Spacer Required)
- ProtoPasta 500g Cardboard Spools- Proto Pasta End Caps and Ring with 15mm Spacer
- Repkord 500g Spools- Prusament/Generic End Cap and Ring with 38mm Spacer

Original TinkerCAD design files available here: <https://www.tinkercad.com/things/hZjjOE4KfKe> (Looking for a port to Fusion

360 for easier submission of new spool mount configs, can you help?)

Added optional drilling template for spools that lack holes in the correct position. Allows for use with the Prusament rings.

5 Rewinders fit in RepBox v2 for direct integration with MMU2

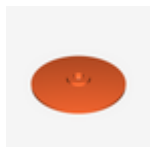
Requires non-printable hardware listed below. Please consider supporting our development efforts by [purchasing the hardware kit from Repkord.com here](#).

BOM For Non-3D Printed Parts

Each Rewinder Requires the following non-3D Printed Parts:

- Spiral Torsion Spring Cartridge (found inside 10ft / 3m tape measure)
- 0.72inch (~18.2mm) Outside Diameter, 0.75 in (19.05mm) Free Length Compression Spring
- 3inch long, 3/16 diameter cotter pin
- 2PCS 5/16" (8mm) OD x #10 (3/16" / 4.8mm) ID x 5/16" (8mm) Long Nylon Spacer
- M3 Square Nut
- M3 x 3mm Set Screw
- Optional 6PCS M3x16mm Socket/Button Head Screws

Model files



1pcs-clutchdisc-repwinder-v2.stl



1pcs-left-axle-ratchet-repwinder-v212.stl



1pcs-spoolcap-repwinder-v2.stl



1pcs-right-axle-ratchet-repwinder-v212.stl



1pcs-tensioncap-repwinder-v2.stl



option-1pcs-protopastaspoolring-repwinder-v212.stl



1pcs-option-crank-repwinder-v2.stl



2pcs-option-stand-round-crossmember-repwinder-v21.stl



option-1pcs-standardatomicring-repwinder-v212.stl



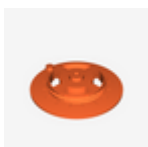
2pcs-option-stand-slotted-crossmember-repwinder-v.stl



1pcs-tensionnut-repwinder-v2.stl



2pcs-stand-side-repwinder-v213.stl



option-1pcs-protopasta-base-cap-repwinder-v213.stl



1pcs-core-repwinder-v213.stl



repwinder-stand-and-crank-v213.3mf



optional-38mm-repkord-500g-spacer-repwinder-v213.stl



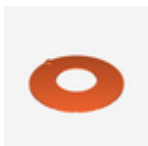
optional-15mm-1kg-and-proto-pasta-750g-spacer-rep.stl



repwinder-prusament-v213.3mf



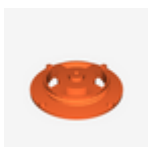
repwinder-prusament-v213.3mf



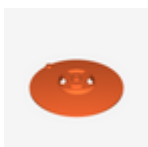
option-1pc-tianesering-repwinder-v214.stl



option-1pc-prusament-drilltemplaterepwinder-v214.stl



option-1pc-prusament-standard-base-cap-repwinder-.stl

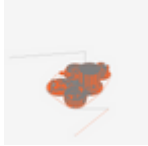


option-1pc-tianese-base-cap-repwinder-v214.stl



option-1pc-prusament-standard-ring-repwinder-v214.stl

Print files



repwinder-prusament-v213_02mm_petg_mk3s_7h42m.gcode

PET 0.40 mm 0.20 mm 7.70 hrs 76 g Prusa MK3/S/S+



repwinder-stand-and-crank-v213_03mm_petg_mk3_4h.gcode

PET 0.40 mm 0.30 mm 4.68 hrs 93 g Prusa MK3/S/S+



repwinder-protopasta-v213_02mm_petg_mk3_7h55m.gcode

PET 0.40 mm 0.20 mm 7.92 hrs 81 g Prusa MK3/S/S+

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