



Remix of EIBOS Series X: Easdry Upgrades (for filament spools <80mm wide)



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Summary

Extend the width of the EIBOS Series X: Easdry filament dryer to accommodate filament spools up to 80mm width



18.96 hrs



6 pcs



0.20 mm



0.40 mm



PET



193 g



Prusa
MK3/S/S+

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Tags: [drybox](#) [dryer](#) [extension](#) [filamentdryer](#) [printedsolid](#)
[jessie](#) [eibos](#) [easdry](#) [seriesx](#)

This is an 80mm sizing and remix of [joaolsneto's EIBOS Series X: Easdry - Upgrades - Fusion 360 Parametric model](#). The original modeling of the EIBOS dryer and design of the extension components is a near work of art, but it requires a lot of effort to go from the parametric file to printable Gcodes. My files shorten the steps, as well as improves upon the fit and finish of the original.

This extension should fit filament spools 80mm wide and narrower. It has more than enough room to accommodate Printed Solid's Jessie PLA and PETG spools that measure ~75mm wide.

Very important: You must print the center spool holder using a high-temperature filament or it will sag and warp under the constant 60-65C temps. I had two prints with Prusament PETG deform before making the successful switch to **colorFabb HT** (high-temp PETG with 100C temp resistance). I assume ASA and ABS would work as well.

The 4 side panels seem to hold up with standard PETG, but I replaced and reprinted with colorFabb HT so I wouldn't have to worry. The pin latch can definitely be printed with standard PETG. I also recommend printing 2-3 of the **EIBOS Filament Dryer Plugs** with standard PETG.

Print settings for the four sides:

- 0.2mm Quality
- Bobstro's supports everywhere (see screenshot)
- 15% infill, rectilinear

Print settings for the spool holder:

- must be printed with high-temp filament
- 0.2mm Quality
- Bobstro's supports on build plate (see screenshot)
- 3 perimeters
- 3MF file has 20% infill overall, but the center cylinder has 50% custom infill. You can simplify and print the entire thing at 50% infill / rectilinear
- 0 loop skirt

Assembly and final notes:

1. Remove supports with needle nose pliers.
2. Lock the four sides in place with the spool holder.
3. Lock clear EIBOS lid into assembly.
4. I extended the interior "walls" of the four side pieces to close up gaps and minimize air escape and entry.
5. With these adjustments, I find it easiest to keep the entire extension and lid assembled. I push the entire assembly onto the EIBOS unit and lock with the pin. Reverse the process for removal.

This remix is based on



EIBOS Series X: Easdry - Upgrades - Fusion 360 Parametric

by joaolsneto

Model files



3MF

6 files



eibos-upgrade-80mm-spoolholder-ht.3mf



eibos-upgrade-80mm-top-ht.3mf



eibos-upgrade-80mm-right-ht.3mf



eibos-upgrade-80mm-left-ht.3mf



eibos-upgrade-80mm-bottom-ht.3mf



eibos-upgrade-80mm-pinlatch.3mf



STL

6 files

eibos-upgrade-80mm-spoolholder.stl**eibos-upgrade-80mm-top.stl****eibos-upgrade-80mm-right.stl****eibos-upgrade-80mm-left.stl****eibos-upgrade-80mm-bottom.stl****eibos-upgrade-pinlatch.stl**

Print files

**eibos-upgrade-80mm-spoolholder-ht_02mm_petg_mk3s_6h... .gcode**

PET 0.40 mm 0.20 mm 6.62 hrs 65 g Prusa MK3/S/S+

**eibos-upgrade-80mm-right-ht_02mm_petg_mk3s_2h58m.gcode**

PET 0.40 mm 0.20 mm 2.97 hrs 32 g Prusa MK3/S/S+

**eibos-upgrade-80mm-top-ht_02mm_petg_mk3s_3h4m.gcode**

PET 0.40 mm 0.20 mm 3.07 hrs 31 g Prusa MK3/S/S+

**eibos-upgrade-80mm-left-ht_02mm_petg_mk3s_2h58m.gcode**

PET 0.40 mm 0.20 mm 2.97 hrs 31 g Prusa MK3/S/S+



eibos-upgrade-80mm-bottom-ht_02mm_petg_mk3s_3h9m.gcode

PET 0.40 mm 0.20 mm 3.15 hrs 32 g Prusa MK3/S/S+



eibos-upgrade-80mm-pinlatch_02mm_petg_mk3s_11m.gcode

PET 0.40 mm 0.20 mm 0.18 hrs 2 g Prusa MK3/S/S+

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