



# ESUN Bambu Lab AMS Cardboard Spool Adapter Ring



DesignCraft

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## Summary

Adapter system enabling you to use ESUN 1kg 199x62mm cardboard spools within a Bambu Lab AMS.

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This adapter system wraps the edges of an ESUN 1kg 199x62mm cardboard spool in order to:

- provide smooth rotation within a Bambu Lab AMS
- prevent cardboard debris from depositing within a Bambu Lab AMS

### Features:

- Reusable
- ESUN nameplate for easy identification when reusing

## Instructions:

- **Measure your spool first to ensure it matches the specified dimensions**
- Print this model twice for a single spool
- Affix one spool ring adapter on each side of the ESUN spool
- See attached photos

## Notes:

- This model may not fit all ESUN cardboard spools. Please review the photos and spool measurements before printing.

## Considerations:

- **Print Material:** Please print with a basic PLA or PETG to minimize any shrinkage.
- **Too Tight? Too Loose?** Cardboard expands with humidity and contracts when dried. A cardboard spool that has absorbed too much moisture may cause the adapters to fit very tight. Placing the spool in a filament dryer, such as the SUNLU S2, for a bit should resolve this. Note, you should not dry the spool with the adapters attached as they can warp in the heat. Keep in mind that after a long drying session the adapters may fit too loose. This should resolve itself shortly as the cardboard reabsorbs some moisture from the air.
- **AMS Lid Doesn't Close?** All of the spool adapters I make are less than the official AMS spool clearance limit of 202mm, as specified on the official AMS product page, and as tested within my own AMS. However, some people have stated their spools are rubbing against the lid with the adapters attached. It's hard to say what's causing this since I cannot reproduce the issue myself, however, I've created an [AMS Lid Riser](#) which allows you to keep your AMS lid closed while providing additional clearance for larger filament spools. It's a quick and easy print which you can find on [my profile](#) or directly here: <https://www.printables.com/model/602705>

## Model files

esun\_spool\_adapter.stl



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