



Filament Spool Shelf system - V2



Nautilus Forge

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Summary

Shelf bracket system for filament spool addition management using 20mm or 18mm diameter wooden rod (instal up or down).



4.34 hrs



3 pcs



0.30 mm
0.20 mm



0.40 mm



PLA



94 g



Prusa
MK3/S/S+

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✂ No 3D printer? No time to source components?

I just opened my new e-shop where you can buy physical, ready-to-use versions of my models! Designed with passion, printed and assembled with care ⚙.

Shipping across the EU: [Get it at NautilusForge.shop](https://NautilusForge.shop)

update 09/05/2023: **added a 23.6mm ID version** following a request, hope it helps !

This is a second iteration on my original design. I designed this simple reversible bracket system to manage my spool addiction (see pictures).

- It uses a **20mm (or 18mm diameter wood rod)**, so it's fairly modular in terms of width, cut to desired size. For 18mm wood rod use the adaptor 18 to 20.
- The system is now **stackable !!!** No guess work or measurement required, just install the next row of spool below the previous one (see picture).
- Brackets can be **installed up or down**, or any combination of the two as long as they are aligned.
- Bracket is design so the **wood rod can slide through**. allowing for very wide shelf yet well supported, i.e. with as many bracket as desired per rod.
- Once happy with the size, bracket has holes for small **screw to hold the two rods** in place, making the rack sturdy. Nothing will move !
- I added some rod cap for even better flexibility of the system.

Hope it helps !

This remix is based on



Modular filament spool rack - reversible shelf bracket
by Nautilus Forge

Model files



MAIN - Wood Rod diameter 20mm

3 files



main_id_20_stackable.stl

☐ Stackable !!!



main_id_20_half_size.stl

☐ half-size - only "half" stackable, i.e. if big installed below



cap_id_20.stl



ALT1 - Wood Rod diameter 18mm

2 files



adaptor_18mm_to_20mm_od_20_id_18.stl

☐ slide-in and line up the hole with the one of the main shelf



cap_id_18.stl



ALT2 - Wood Rod diameter ID 23.6mm

3 files



alt2_id_23_6_stackable.stl



alt2_id_23_6_half_size.stl



alt2_cap_id_23_6.stl

Print files



shelf_spools-big_03mm_pla_mk3smmu2s_4h20m.gcode

🌀 PLA 🌀 0.40 mm 📏 0.30 mm ⌚ 4.34 hrs ⚖️ 94 g

🖨️ Prusa MK3S/+ & MMU2S/3



shelf_spools-small_03mm_pla_mk3smmu2s_7h47m.gcode

🌀 PLA 🌀 0.40 mm 📏 0.30 mm ⌚ 7.79 hrs ⚖️ 169 g

🖨️ Prusa MK3S/+ & MMU2S/3



shelf_spools-adaptor_od_20_id_18_02mm_pla_mk3s_.gcode

🌀 PLA 🌀 0.40 mm 📏 0.20 mm ⌚ 0.13 hrs ⚖️ 1 g 🖨️ Prusa MK3/S/S+

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