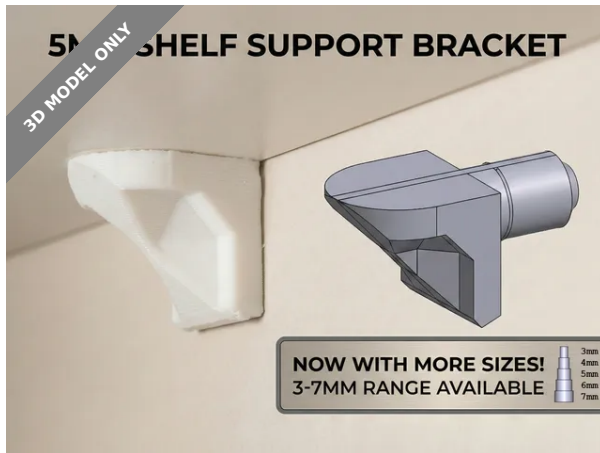




Heavy Duty 5mm Shelf Pin / Peg (L-Shape Support Bracket) metric



martinconi

[VIEW IN BROWSER](#)

updated 4. 3. 2026 | published 4. 3. 2026

Summary

Heavy-duty 5mm L-shaped shelf pin. Print flat on its side to maximize shear strength. Perfect for heavy loads!

[Household](#) > [Other House Equipment](#)

Tags: [shelf](#) [support](#) [furniture](#) [pin](#) [replacement](#) [wardrobe](#) [bracket](#) [peg](#) [repair](#) [cabinet](#) [5mm](#)

Update: Now featuring multiple metric sizes, with imperial versions linked below.

This is a replacement 5mm shelf support pin featuring an L-shaped bracket design. Unlike standard cylindrical pegs, the flat bracket distributes the downward force of the shelf over a larger surface area, reducing stress on both the peg and the furniture wall.

Recommended Print Settings To achieve maximum strength and prevent the peg from snapping under shear stress, **layer orientation is critical**.

- **Orientation:** Print the model upside down **with no supports**. Do not print it standing upright. Printing flat forces the continuous

filament paths to run lengthwise through the 5mm cylinder, giving it incredible shear strength.

- **Perimeters (Walls):** Set your walls to 4–6. Because the peg has a 5mm diameter, this will essentially force the slicer to print the peg as solid, concentric rings, which is much stronger than using standard infill.
- **Layer Height:** 0.16mm or 0.20mm for a good balance of detail and excellent layer adhesion.
- **Material:** Engineering-grade materials like **Nylon**, **ASA**, **ABS**, or **PETG** are highly recommended to prevent the plastic from creeping under continuous load. Nylon is particularly recommended for its durability. ASA prints beautifully for this application, especially if you are using an enclosed, high-temperature setup.

Imperial version here:

Disclaimer: Strength is dependent on material, settings, and print quality. Use at your own risk.

Model files

shelf-peg-v4-original-5mm.stl



shelfpeg_3mm_l-type_v5.3mf



shelfpeg_4mm_l-type_v5.3mf

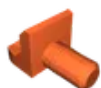


shelfpeg_5mm_l-type_v5.3mf



shelfpeg_6mm_l-type_v5.3mf





shelfpeg_7mm_l-type_v5.3mf

License ©

This work is licensed under a
[Creative Commons \(4.0 International License\)](#)



Attribution-NonCommercial

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition