



Handle with hidden screws



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Summary

Handle with hidden screws. Robust design with click-tab closure. Ideal for any application. Print in place, no supports.

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I made this handle curved-base to replace the original handles in my caravan. Printed in PETG, this piece is really strong and should withstand the elements. The original handles had a system to hide the screws using a flexible tab that closes with a click, and my design replicates this functionality. You just need to lift the tabs to insert and tighten the screws, and then close them and press until you hear the click. I created another flat-base model for other purposes as well.

Printing instructions:

- **Material:** I've only printed them in PETG for strength and durability.
- **Perimeters:** Set a high number of perimeters to reinforce the piece.
- **Top and bottom solid layers:** Increase the number of top and bottom solid layers, which in this case will be the sides of the piece, to add strength.

- **Infill:** Use a sufficiently high infill percentage to ensure structural resistance.
- **Print in place:** Ensure the printer is calibrated correctly to allow the flexible tab to move without adhering to other parts during printing.
- **Adjustments:** The printing parameters can be adjusted depending on the intended use of the handle. For heavy-duty use, it is recommended to maximize perimeters, solid layers, and infill."
- Print on its side, no supports needed.
- I recommend setting a couple of millimeters of raft on the base to improve first layer adhesion and initial overhangs.

Model files



handler_hidden_screws_flat-base.stl



handle_hidden_screws_curved-base.stl

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