



M3-M6 Thumbscrews



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Summary

Thumbscrews for M3-M6 Socket-head Screws. Prints fast and uses little material.

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Often I found myself needing thumbscrews on my projects, and since M3-M6 are my most common used sizes i deecided to make myself some:

The thumbscrews are designed for socket head screws and use a nut in the compartment on the underside to connect them securely together.

Depending on your printer you might need supports in the cavity that holds the nut for the normal/first version, but it have been printed fine without if you place the nut side up.

I have also taken inspiration from JW693Ds suggestion and added a version with a punch trough layer of bridging if you have problems printing the normal one without support. That version is to be printed with the round hole facing the buildplate.

It uses only about 1 gram of filament and prints in 10-15 minutes depending on size. (About 25 minutes ish total if printing the spacer at the same time)

I have also included a spacer for where that is needed, or to simply hide a bit of threads. The length of this can be adjusted by changing the print's Z-size in your slicer.

Happy Printing, and if you like it, please post a make, as that is always appreciated :D

(If you need other sizes, let me know :))

I also have fridge/whiteboard Magnets in the same style [here](#)

Gcode is for competition entry, and is specific to my machine, do not print it.

Changelog: May 20th 2022: Changed the tolerance of the M4 Thumbscrew center hole, as it was too small.

Changelog: May 23 2022: Added versions with punch-trough bridging layer.

Model files



m3-thumbscrew.stl

☐ Use support if needed



m3-thumbscrew_no-support.stl

☐ Punch-Trough bridging layer



m3-spacer.stl



m4-thumbscrew.stl

☐ Use support if needed



m4-thumbcrew_no_support.stl

☐ Punch-Trough bridging layer



m4-spacer.stl



m5-thumbcrew.stl

☐ Use support if needed



m5-thumbcrew_no_support.stl

☐ Punch-Trough bridging layer



m5-spacer.stl



m6-thumbcrew.stl

☐ Use support if needed



m6-thumbcrew_no_support.stl

☐ Punch-Trough bridging layer



m6-spacer.stl

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