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Hex Bolt & Nut Covers | M3 to M16 Set

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VIEW IN BROWSER

updated 7. 7. 2026 | published 7. 7. 2026

Summary

Lightweight, support-free hex caps for M3-M16 bolts and nuts. Keeps hardware protected while allowing wrench access!

Hobby & Makers > Mechanical Parts

Tags: 3d nut wrench functional print support printed diy cap mechanical protective free cover hex hardware workshop screw protection bolt tools metric fastener utility m3 m16 to

BOM: Printed with **ROSA3D Starter PLA Red**

Protect your exposed hardware, prevent scratches from sharp threads, and give your projects a clean, finished look with this comprehensive set of bolt and nut covers. Covering metric sizes from M3 all the way up to M16, these caps are designed to snap snugly over standard hex heads.

Unlike round dome caps, these covers feature a functional hexagonal exterior. This clever design means you can still use an adjustable wrench or spanner to tighten, loosen, or hold the fastener without having to remove the protective cover first!

Key Features:

- **Complete Metric Set:** Includes individual, perfectly sized models for M3, M4, M5, M6, M8, M10, M12, M14, and M16 fasteners.
- **Wrench Compatible:** The external hexagonal profile lets you apply torque with a standard adjustable wrench directly over the cap.
- **Aesthetic & Protective:** Hides ugly, rusted, or mismatched hardware while keeping dust and moisture out of the threads.
- **Ultra Lightweight:** The hollow, domed design uses minimal filament while remaining structurally strong.

Printing Instructions:

- **Orientation:** Print flat on the bottom base (dome facing upwards).
- **Supports: NONE.** The internal geometry is carefully angled to print perfectly without any support material.

Model files



m8cap.stl



m4cap.stl



m3cap.stl



m10cap.stl



m14cap.stl



m12cap.stl



m16cap.stl



m5cap.stl



m6cap.stl

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