



## Ergonomic bolt knob - Secure Screw-In Design



Redulf42

[VIEW IN BROWSER](#)

updated 27. 10. 2026 | published 27. 10. 2026

## Summary

These 3D-printed bolt knobs provide a comfortable, ergonomic grip for bolts, making them ideal for DIY projects, workshop

[Hobby & Makers](#) > [Tools](#)

Tags: [knob](#) [handle](#) [bolt](#) [ergonomic](#) [boltknob](#)

## Ergonomic Bolt Knobs - Secure Screw-In Design

These 3D-printed bolt knobs provide a comfortable, ergonomic grip for bolts, making them ideal for DIY projects, workshop equipment, jigs, fixtures, and adjustable mechanisms.

The knobs feature a smooth, contoured shape with recessed grip areas for comfortable handling and improved control.

## Features

- **Ergonomic design** – Comfortable shape with contoured grip surfaces.
- **Secure bolt attachment** – A specially designed 3D-printed nut holds the bolt securely inside the handle.
- **No glue required** – The bolt is mechanically fastened, making assembly simple and convenient.

- **Multiple sizes** – Different knob sizes to suit various applications.
- **Multicolor design** – Optional contrasting grip areas for a more finished appearance.

## Assembly

1. Print the knob and its corresponding fastening nut.
2. Insert the bolt into the handle.
3. Screw the printed nut onto the bolt to secure it inside the handle.
4. Tighten the nut until the bolt is firmly held in place.

The result is a practical, reusable bolt knob that can be used in a wide range of workshop and DIY applications.

## Applications

Perfect for clamping mechanisms, adjustable fixtures, workshop jigs, furniture, machinery, and other projects where bolts need to be tightened or adjusted by hand.

Enjoy printing! If you find the design useful, consider leaving a boost or sharing your make!

## Model files



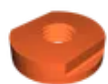
**m8-handle-v2.stp**



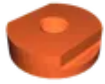
**m6-handle.stp**



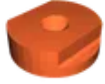
**m5-handle.stp**



**m8-festing.stp**



**m6-festing.stp**



**m5-festing.stp**

## License ©

This work is licensed under a  
**Creative Commons (4.0 International License)**



**Attribution—Noncommercial—Share Alike**

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