



1/4 " Hex Screwdriver Handle



Addi(c)tiveManufacturing

[VIEW IN BROWSER](#)

updated 9. 5. 2024 | published 9. 5. 2024

Summary

A complete series of handles for 1/4" hex bits: customizable, fast and affordable.

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

Tags: [hexbit](#) [hexkey](#) [hexbitholder](#) [quarterinch](#)

Are you looking for a very cheap set of hex screwdrivers? Are you looking for a handle for 1/4" hex bits? Here you are!

IMPORTANT: "HexScrewdriverTEST.stl", one of the 2 files outside the folders, can be used to check the tolerance between the key and your print. If you find it too tight or too loose, scale this model in x and y in your slicer and repeat until you achieve the desired fit before applying the same scale to the desired handle and printing it. This test only takes 10 minutes and 3g of materials, saving you time and trouble.

All the handles are equipped with a grip pattern specifically designed to have the least effect on print time, in fact, mostly thanks to the Arachne slicing engine, the outer shell is printed with a constant thickness of 4 walls.

You can also download "HexScrewdriver_MinimalCompleteTEST.stl", which is the smallest full model you can print to test the feeling of the grip pattern.

Print settings:

Wall line count: 4 or more

Infill density: 30-100%

No need of supports (maximum overhang angle in 45°)

EDIT:

I included a 4mm Hex Bit adapter requested in the comments. It is experimental and untested, so I don't guarantee it will work. I also included the f3d and a STEP file if you want to modify it. If you want to try it PUT A HEX NUT BEFORE THE ADAPTER or it may never come out.


If it gets stuck and you didn't put the nut, you can use an M5 tap and an M5 screw to try to remove it, but only as a last resort




This project took me a long time to design and optimize.

If this has been helpful to you, saved you some time or some money, please consider supporting me with a tip through Ko-fi.

<https://ko-fi.com/addictivemanufacturing>

Model files

 **18mm** 5 files

	hexscrewdriver18x50.stl
	hexscrewdriver18x60.stl
	hexscrewdriver18x75.stl



hexscrewdriver18x90.stl



hexscrewdriver18x100.stl



20mm

5 files



hexscrewdriver20x50.stl



hexscrewdriver20x60.stl



hexscrewdriver20x75.stl



hexscrewdriver20x90.stl



hexscrewdriver20x100.stl



22mm

5 files



hexscrewdriver22x50.stl



hexscrewdriver22x60.stl



hexscrewdriver22x75.stl



hexscrewdriver22x90.stl



hexscrewdriver22x100.stl



24mm

5 files



hexscrewdriver24x50.stl



hexscrewdriver24x60.stl



hexscrewdriver24x75.stl



hexscrewdriver24x90.stl



hexscrewdriver24x100.stl



26mm

5 files



hexscrewdriver26x50.stl



hexscrewdriver26x60.stl



hexscrewdriver26x75.stl



hexscrewdriver26x90.stl



hexscrewdriver26x100.stl



EXPERIMENTAL_4mm_HexBit_Adapter UNTESTED!!!!

9 files



4mm_hexbit_adapter_0050mm_tolerance.stl



4mm_hexbit_adapter_0075mm_tolerance.stl



4mm_hexbit_adapter_0100mm_tolerance.stl



4mm_hexbit_adapter_0125mm_tolerance.stl



4mm_hexbit_adapter_0150mm_tolerance.stl



4mm_hexbit_adapter_0175mm_tolerance.stl



4mm_hexbit_adapter_0200mm_tolerance.stl

4mm_hexbit_adapter.f3d

4mm_hexbit_adapter.step



hexscrewdriver_minimalcompletetest.stl



hexscrewdriver_test.stl

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