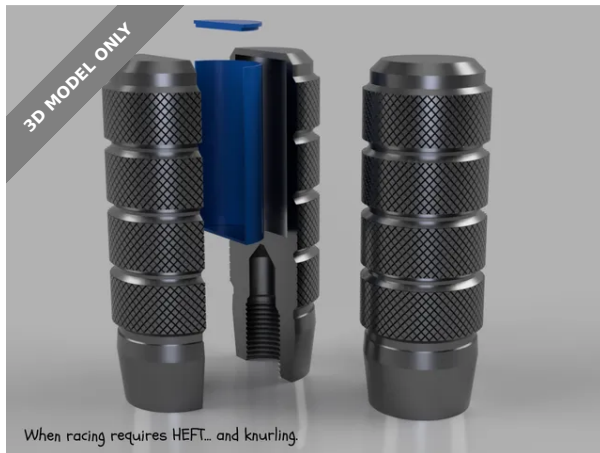




Weighted Knurled Knob Shifter - TH8S - Updated v1.1



benhoad

[VIEW IN BROWSER](#)

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Summary

A simple Knurled Knob handle with optional void for weighted insert.

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[shifteradapter](#) [th8s](#) [th8sshiftermod](#) [th8sshifter](#)

Overview

A simple Knurled Knob that can be optionally weight with a medium of your choosing.

Designed for the [Thrustmaster Custom Shifter Knob contest](#) - hit that like and follow to help me out.

Printed Parts

Knurled Knob

Comes in either a solid version for using as-is and a cavity version for adding weight internally.

Both are best printed with the threaded end down on the baseplate.

Update v1.1: A variation of the cavity version has been added for cap-only printing.

Cavity Filler

The cavity filler comes in a few versions, however there's largely two kinds (each with their own vase-mode version).

The two kinds are 1) no cap and 2) with cap - essentially the cap version is 1mm shorter to allow for the 1mm cap to be placed on top of the cavity filler. The cavity filler was designed initially for air-dry clay and other solid filling materials that won't shift when turned upside down.

Why upside down? This allows for the printed base to act as a bridge for the top layer, essentially the same function as the cap; it's not so much a cap as it is a scaffold/support structure for the above layers.

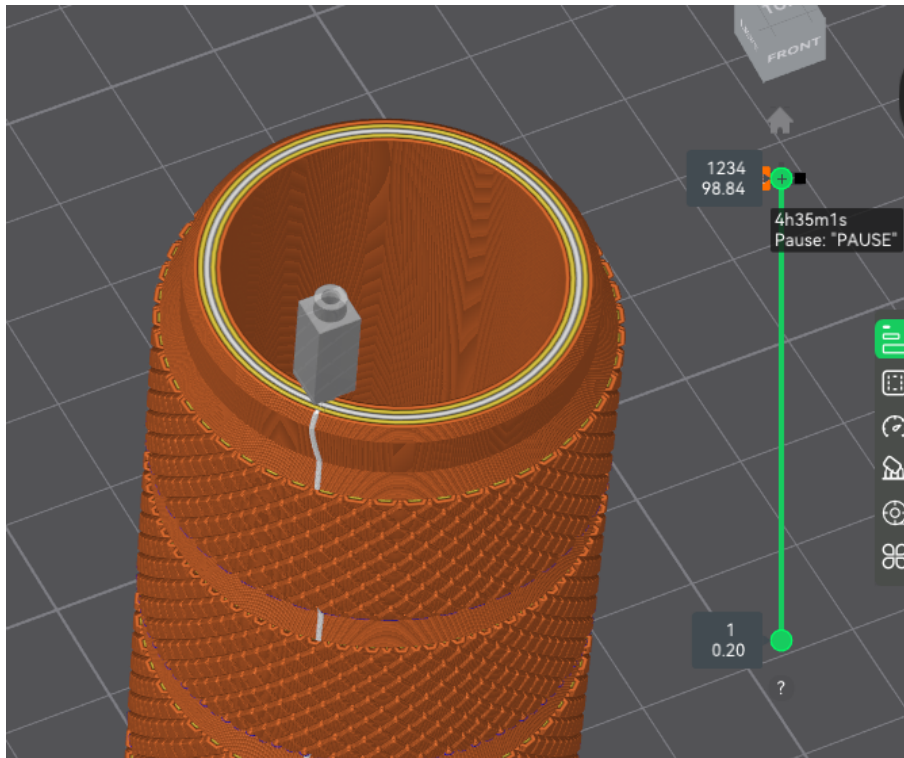
Cavity Filler Filling

Up to you. I recommend **air-dry clay** and I know others prefer things like tiny ball-bearings to add weight to their prints. I've also seen things like sand/plaster being used or even just crudely filled m4/m3 nuts leftover from screw packs after using heat-inserts instead.

Printing

For specific settings; I'd lean towards smaller layer height 0.08/0.16 for the knurling detail and increase wall count to at least 4 and infill set to locked-zag. You're wanting a fairly strong part at the end of the day given this could be thrashed about.

...and don't forget to add a pause for the cavity filler to be dropped in!



Changelog

- v1.1 - Added a cap-only version for direct pour-in cavity filling mid-print. Pause-Pour-Place(cap)-PResume Printing

This remix is based on



THRUSTMASTER : Official TH8S Gear knob files
by Thrustmaster

Model files



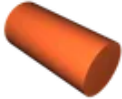
knurled-knob-solid.3mf



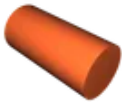
knurled-knob-cavity.3mf



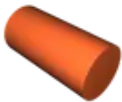
adapter.stl



cavity-filler-vase-mode.3mf



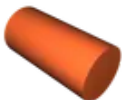
cavity-filler.3mf



cavity-filler-with-cap.3mf



cavity-filler-with-cap-cap.3mf



cavity-filler-with-cap-vase-mode.3mf

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