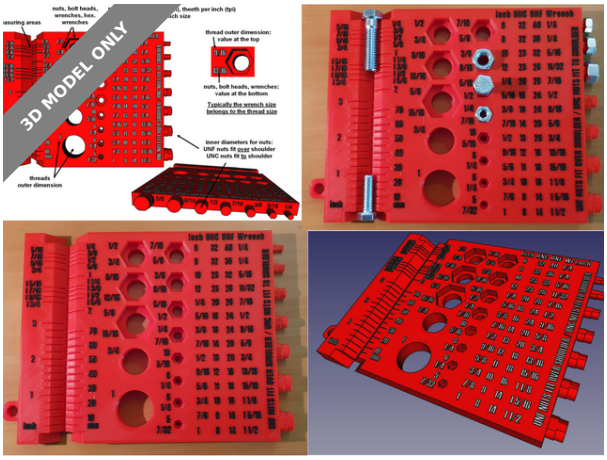


Inch Measuring Tool for Screws, Nuts, Bolt Heads, Wrenches (incl. Hex.), Threads (No metric tool)

DJ

VIEW IN BROWSER

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Summary

Not another Metric Measuring Tool! This is an Inch Measuring Tool for Screws, Nuts, Bolt Heads, Wrenches, Threads!!

Hobby & Makers > Tools

Tags: wrench screw bolt thread metric inch measuring measurement measurementtool measuringtool

I found a high number of measuring tools for metric screws. But what about a measuring tool for inch screws, nuts and wrenches? I couldn't find any, so I created one, or better two :-)

The tool is created for UNC and UNF threads and screws.
My tool for metric measuring you will find here: https://www.printables.com/de/model/405167-metric-measuring-tool-for-screws-nuts-bolt-heads-w

Here some explanations about the possibilities

Left area top:
- measuring area for standard screws up to 2 inches

Left area bottom:
- measuring area for inch and metric (mm)

Center area:
- threads (5, 6, 8, 10 , 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 1)
- nuts, bolt heads, hex. wrench (7/32, 1/4, 5/16, 7/16, 1/2, 9/16, 5/8, 3/4, 13/16, 15/16)

I have “attached” the typical bolt heads to the threads, e.g. a screw with a 3/8 thread (UNC and/or UNF) typically has a bolt head with 9/16 wrench.

Right area:
- Overview
- Threads, teeth per inch for UNC, teeth per inch for UNF, wrench size

Right side:
- inner diameters for nuts
- UNF nuts fit over shoulder
- UNC nuts fit to shoulder

I know, the tool doesn't offer any combinations of sizes ... but the most typical - I am using :-)

Files:

I have added a normal stl-file and 2 files to use with MMU (base and values). Both versions are to print in 2 colours.

My print settings:

- material: PLA
- 0,3 layer, 25% infill, no supports, the values I printed with 0,2 layer.

Update V02

I have added a 2nd version (smaller) for threads (5 - 7/16) respective wrench (7/32 - 5/8).

Update 21.02.2023

I have been asked to create a Metric Measuring Tool similar to this one. I will publish it in the next couple of days!

Model files

measuring_tool_inch_total.stl

measuring_tool_inch_base.stl

measuring_tool_inch_values.stl

measuring_tool_inch_total_small.stl

measuring_tool_inch_base_small.stl

measuring_tool_inch_values_small.stl

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