



3D Tuggy - An Open-Source Benchy Alternative With 100% Original Geometry



Optimal Objects

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Summary

A small boat model with zero licensing issues.

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This tugboat is designed to be similar to the infamous #3DBenchy, while sharing absolutely zero geometry, planes, or critical dimensions.

Due to a change in ownership of the Benchy asset, the new owners are removing all the wild, wonderful and wacky remixes of the original on many platforms, especially Printables. This is not due to copyright, but to original files being uploaded under the Creative Commons - Attribution - No Derivatives license. The Benchy has become an iconic staple of the 3D printing community. I wanted to create something to fill the gap for those crazy creators who wanted to design and print a little boat version of Dwayne "The Rock" Johnson, or any other bizarre mashup that has become such a fun element of this community.

The Tuggy is similar, but not a direct copy or modified file. Due to the nature of Patent, Trademark and Copyright Laws, it is highly unlikely that the Benchy is fit to file for any such protective embellishment. Ergo, the

Tuggy is unlikely to become a victim of legal persecution in the future- and with it's open-source nature, neither will all of your crazy remixes.

I hope you enjoy it. I cannot wait to see what you do with this little boat!

Dimensions listed in image & more:

Base to Chimney Top: 49mm

Base to Roof: 42mm

Roof (L=>R AND F=>B): 20mm

Base to Crane Boom Top: 21mm

Square Window: 10x10mm

Front Window: $\varnothing$ 10mm

Chimney to Chimney Flange: $\varnothing$ 7x5h mm

Chimney Flange: $\varnothing$ 8x2h mm

Chimney Hole: $\varnothing$ 4mm, 10mm Depth

Inside of Tow Hook: $\varnothing$ 2mm

Tow Rope: $\varnothing$ 1mm

Crane Boom: 3x3mm, 45°

Hawsepipe ID: $\varnothing$ 4.5mm

BoatHole: $\varnothing$ 2mm x 2mm Depth

Stairs Rise and Run: 2mm, 2.5mm respectively.

The widest point on the Tuggy is ~33mm, and a measurement from top of Bow to vertical center of Stern is ~59mm

Every dimension has a purpose, and every geometrical feature is necessary as a point of calibration for your printer and printing medium.

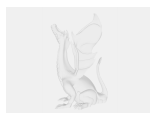
With typical default FDM slicer settings, a Tuggy takes ~9-10 Grams of filament, and should print in well under two hours.

.STEP file and high-poly .3mf included.

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Next time you want to print a little boat, wouldn't you rather have a Tuggy?

Model files



3dtuggy-step.step



3dtuggy.3mf

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