Printables by JOSEF PRUSA

Articulated Sea Turtle (singlecolor and multicolor)

Jopek Design

VIEW IN BROWSER

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Summary

Print in place articulated Sea Turtle

Toys & Games > Action Figures & Statues

Tags: ocean sea articulated flexible flexi printinplace turtle fish

Dimensions (LxWxH)

132 x 150 x 32mm (100% scale)

Basic information

The design was inspired by the Green Sea Turtle, which is undoubtedly one of the most iconic sea animals.

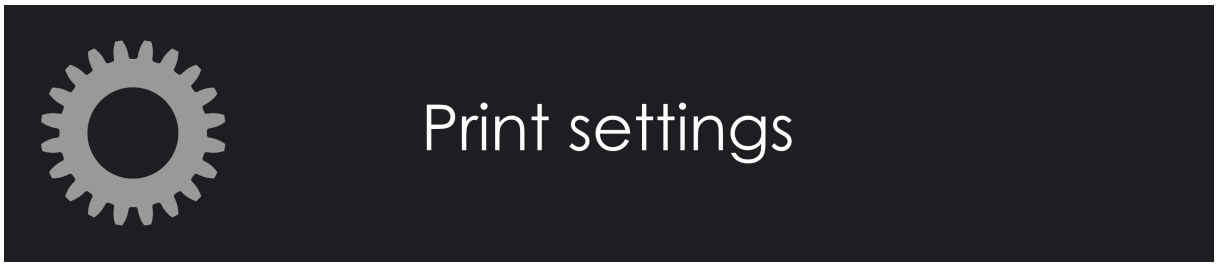
The model is is split into 6 movable parts: a shell, which serves as a centerpiece, a head, and 4 fins. It prints in place, and no additional assembly is required.
The base model is slightly oversized, so that all the fine details come out nicely, namely if you're printing in multicolor. If you're printing it in a single color only, and aren't bothered with loss of definition too much, feel free to downscale it to your liking. The model has been thoroughly tested, and should print fine up to 60% of the original size in single color, if you have a well calibrated, and reasonably accurate setup.

Files information

I've included 5 files: All of them are in the **.stl** format, and sorted into 2 folders. The folders are labeled **Single color** and **Multicolor**, the single color folder contains 1 file, which is a plain, 1 piece version of the model, intended for single color printing. The Multicolor folder contains 3 files for multicolor printing, each file is named after the color, which was used on the example model in the image gallery. Import them all at once into your slicer as one file with multiple parts, and it should automatically align the parts, and assign an individual color to each of them.

This design is a part of the Articulated Sea Life collection by me. You can check out other designs from this collection here.

The Articulated Sea Life collection is a live project, and I'm continuously adding new designs, anytime I get an interesting idea, or a suggestion. The designs are also updated, if any changes or tweaks have to be made. Feedback, suggestions and ideas are welcome!



Material

PLA

Layer height

0,2 mm

Infill

>15%

Support

None. The model doesn't require any support material.

Scaling

The model should come out perfectly functional even at lower scales. Tested up to 60% of the original scale. Results may vary depending on the accuracy of your setup and quality of the materials used.

Orientation

Default, laid flat on the belly

Adhesion aid

Not necessary, the contact area with the buildplate should be sufficient. However if your print surface suffers from poor adhesion, consider using an adhesive spray, or some other kind of adhesion booster. Using a brim is possible, but not recommended, as it would be too difficult, and inconvenient to remove afterwards.

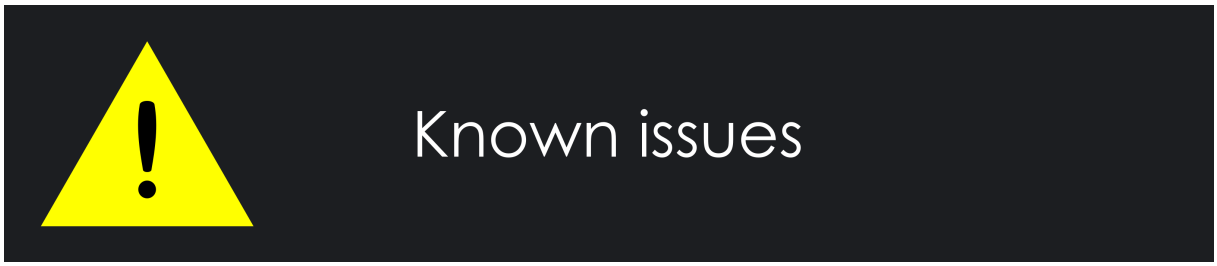
All resolved past issues with the model files and detailed information about their fixes will be listed in this section. If you're having any problems which aren't on this list, please visit the **Known issues** section below. If you don't see your problem mentioned there as well, please leave us a message with more details, so that we're able to address it as soon as possible.

11/30/2024

- Fixed a non-functioning link in the model description

12/22/2024

- Updated the image gallery
- Minor changes to the model description



There currently aren't any known issues/work in progress. If you run into any, please contact me via dm.

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Model files

Singlecolor 1 file

sea-turtle-sc.stl

Single color version

Multicolor 4 files

turtle-brown.stl

☐ Shell scutes + scales

turtle-sandy.stl

☐ Body

turtle-black.stl

☐ Eyes

turtle-tan.stl

☐ Beak

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