



Holo top - easy to print spinning top(over 180s spinning)



Gamma4D

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Summary

This is a stable, long-running top.

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This is a stable, long-running top.

The center of gravity is perfectly aligned(0.009mm) and technology has been incorporated to reduce aerodynamic drag.

!!Emergency Fix!!

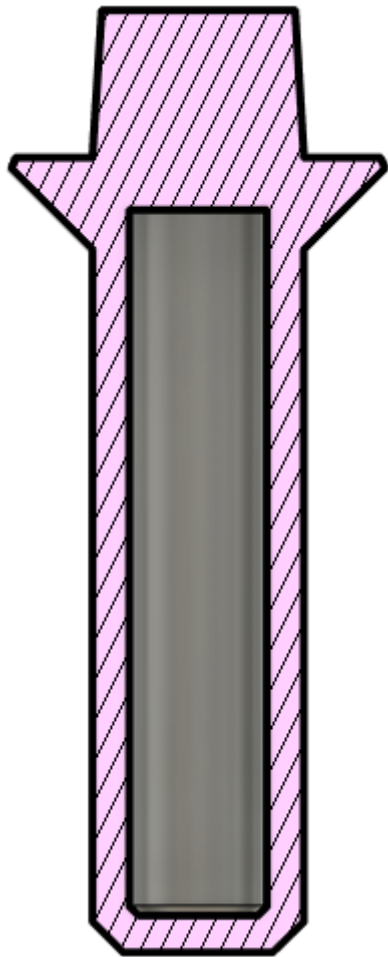
Conventional rods are not properly toleranced.

I provide a modified version.

Perfect Balance



To provide perfect performance, the center of gravity is aligned to within 0.009mm.



stability of the top.

Also, the rod is hollowed out for low-speed



Moreover, to prevent warping, a 5mm(0.2"-not tested) steel ball was used instead of a print with errors.
It uses only one arm to minimize air resistance.

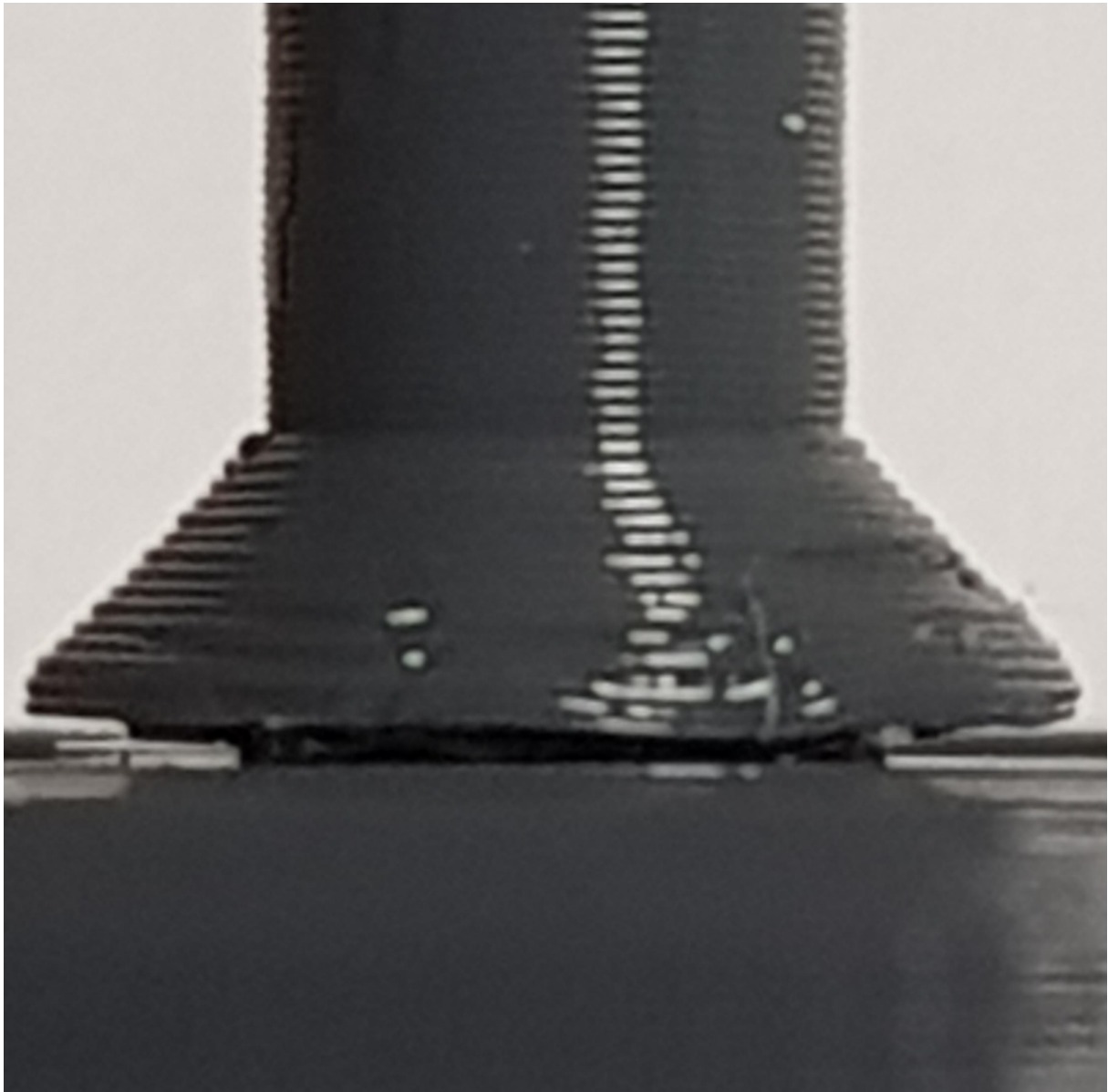
Stability



Thanks to the perfect alignment, the top is perfectly stationary and moves.

Notice

1. The rod can be 0.2-0.4mm (0.6 max) away from the rotor, this is normal.(Picture below)
2. Only use solid models if rods do not print properly! Solid rods reduce rotational stability.
3. Set the density to 100% but the number of walls to 2! More walls increase the difficulty of printing.
4. Happy printing:)



Model files



rotor_singlearm.stl



rotor_old.stl



rod_brim.stl



rod.stl



rod_solid_brim.stl

[Find source .stl files on Thingiverse.com](#)

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