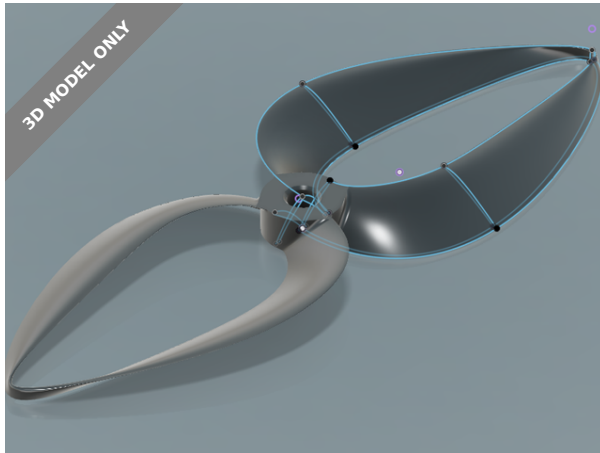




V2 Bi-Loop or Bi-Blade Toroidal Propellers for FPV Drone Quadcopter



STRIKING FPV

[VIEW IN BROWSER](#)

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Summary

My second generation bi-loop or bi-blade toroidal propeller design for FPV drones.

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[biloop](#) [biblade](#)

This is my second generation bi-loop or bi-blade design which, is much more like what the MIT boys pumped out, featuring a more teardrop-y kinda' shape. Much like V3 of my tri-loop design, these ones again follow a more traditional approach to propeller design in general, and the shorter loop edge helps to reduce weight and maybe improve prop response.

Currently available sizes from 4" up to 7", STEP and Fusion 360 files are included (without tech support). Also, the 7" version wouldn't loft properly so it's just a scaled 6" version, sorry.

Watching the video should explain it all, but basically I'm attempting to further develop upon MIT Lincoln Lab's toroidal propeller concept by

offering up my design for anyone in the FPV drone community to have a go and see how they like it.

Learn to make your own with my tutorial:

CHANGELOG:

- Thickened hub and mid profiles to reduce flex

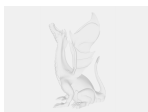
Model files

5x25x2-cw.stl

5x25x2-ccw.stl

sla-5x25x2-cw.stl

sla-5x25x2-ccw.stl



v2-bi-loop-4-inch.step



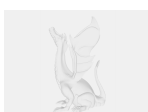
v2-bi-loop-5-inch.step

4x25x2-ccw.stl

4x25x2t-ccw.stl

4x25x2t-cw.stl

4x25x2-cw.stl



v2-bi-loop-6-inch.step

6x3x2-cw.stl

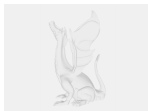
6x3x2-ccw.stl

7x3x2-cw.stl

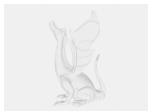
7x3x2-ccw.stl



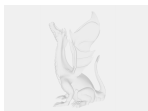
v2-bi-loop-5-inch.f3d



v2-bi-loop-4-inch.f3d



v2-bi-loop-6-inch.f3d



v2-bi-loop-7-inch.f3d

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