



Collapsing Katana (Print in Place)



3D Printing World

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Summary

This is a collapsing Katana sword designed to be printed as one part.

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This is a collapsing Katana sword designed to be printed as one part. Its only 182mm high when printed but expands to over 825mm in total length!

The sword is designed to be printed with a ,4mm nozzle, so the blade will be two shells thick. I had weird issues with blobs and zits at retraction which I normally don't have until I turned on "wipe" and "coast", I'm still using S3D.

I think this is a result of the thin walls with a narrow amount of clearance between the blade segments. I had good luck with .15mm coast and 3mm wipe, on my MK3.

Included is a test print file. Use this to confirm that your segments don't stick together and that you have a thickness .85mm.

Here's a link to the [gold](#) (aff) filament I used to make the sword.

Support and Licensing

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Model files



katana-test-print.stl



collapsing-katana.stl

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