



KatArm Hexpansion

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Summary

This hexpansion gives your tildagon articulated arms! Or legs? Appendages of your choice! Probes? Alligator clips?

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Give your **EMFCamp Tildagon** appendages with this articulated arm hexpansion!

This hexpansion was designed by my partner Kat, who did the initial 3D modelling of it based on a 30° articulated arm segment - then I've adapted it a bit for 3D printing.

Thanks to the variety of segments and attachments provided by the “**PCB Workstation with Articulated Arms**” project you can print all sorts of attachments or design your own.

This model provides 2 variations on the hexpansion, one is borderline compliant with the **specification** clearances (with some uncertainty about the screw hole surrounds) and the other adds two “prongs” for rigidity which go above the specified 1mm height in some areas however this has been tested on a Tildagon and in reality does not interfere with any other parts.

The basic robust screw down hexpansion base is also available separately:
[EMFCamp Tildagon Hexpansion Base - Robust Screw Mount](#)

Note: I do not recommend using your Tildagon as “helping hands” when soldering.

This remix is based on



PCB Workstation with Articulated Arms

by Captain Levi

Model files

katarmhexpansion-noprongbase.stl



katarm-hexpansion-prongs.stl



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