



Removable rotating puppet hand rod holder with flexible hand base plate



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Summary

This mechanism is for a 4-fingered puppet hand. For bendable fingers and rotatable/removable hand rods.

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Tags: [bendable](#) [puppet](#) [hand](#) [puppethand](#)

This is a new version of the mechanism that I use the build hands for a hand puppet. The changes to the old version are there is no longer a press-fit insert - I replaced that with a Chicago screw. There is now a base plate for the whole hand that has holes for a wire (that makes the fingers bendable). This plate is supposed to be printed with flexible filaments, like TPU. The discs bit a bent 6mm diameter rod inside - they should be glued together and secured with cable ties (that's why those 4 holes are there)

Here's a video of the assembled parts:

I also included the templates that I used to cut the foam parts with a laser-cutter.

Model files



puppet_hand_insidetop1.stl



puppet_hand_flexbaseplate2.stl



puppet_hand_flexbaseplate_inside.stl



puppet_hand_flexbaseplate1.stl

Other files



flex_puppethand_foamtemplate2.svg



flex_puppethand_foamtemplate3.svg

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