



Hadley printed rocker stiffener



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[VIEW IN BROWSER](#)

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Summary

uses aluminum rods to make the Hadley printed rocker more stable.

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my printed base was extremely wobbly and unstable so I designed these. it uses 1/2" OR 12mm rods to stabilize the base.

I used pla but petg or abs should work fine. layer height shouldn't matter much and infill is good at 15-20%

it uses M4 hardware but remixing to imperial should be easy.

you need to cut the aluminum tubes to 14cm for a good fit.

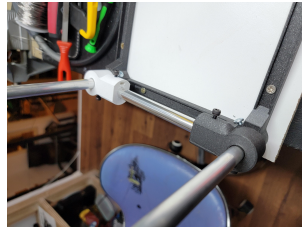
I've also included a file that lets you connect all of them at the same height.

general instructions:

insert nuts and bolts, don't let the bolts protrude into the cavity.

insert the aluminum bracing rod into the holder and attach another holder from the other side, dont fasten the screws.

place the assembly onto the rocker base and push it all the way down, once its down and the bracing rod is at the correct length tighten the screws and fasten onto where you want to place the brace.



I've also now included a model with looser tolerances for the m4 hardware, it is untested currently.

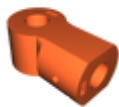
This remix is based on



Astronomical Telescope "Hadley" - an easy assembly, high performance Newtonian

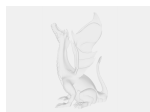
by Maff

Model files



rodstabalizer.stl

☐ file used in photos



rodstabilizer.step

☐ step for the regular files



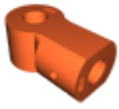
rodstabilizer_double.stl

☐ made so you can attach 2 rods per connection. untested atm



rodstabilizer_double.step

☐ step file for the double rod holder.



rodstabalizer_looser_tolerance.stl

☐ version with slightly looser tolerances



more_tolerance_double.stl

☐ version with slightly looser tolerances



double_with_double_bolts.stl

☐ version with slightly looser tolerances and a place for 2 bolt holes so it might be more stable

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