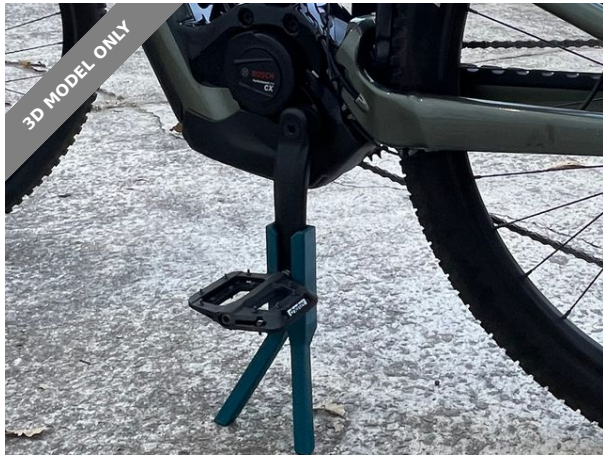




MTB / bike stand - parametric



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[VIEW IN BROWSER](#)

updated 29. 3. 2024 | published 29. 3. 2024

Summary

A portable, compact, and very sturdy stand to hold up your MTB or other bike that does not have a kickstand

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Portable bike stand inspired by user THMSFRTZ; for bicycles that do not have a kickstand, attaches to crank arms. The legs store neatly in the main body.

Works well on a variety of crank arms. Just adjust the parameters in the f3d file.

To get the length right, prop up the bike leaning just a little bit (like if it had a kickstand) and measure the distance from the bottom of the pedal shaft to the ground. The "LegLength" parameter is measured from the bottom of the main body to the ground (40mm from the bottom of the pedal shaft to main body base). Not true leg length, there are other tolerances built in.

This one is 115mm to fit my Cannondale Moterra Neo Carbon 2.

There is also a parameter "GapTolerance" = 0.02mm that you may want to adjust, this is the gap between the legs and the main body; depending on your print quality and allowable tolerance for your printer.

I printed it at 0.3mm , 100% infill in prusament PETG. came out super sturdy.

Print separately for best surface finish and fit.

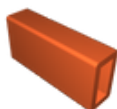
This remix is based on



MTB stand

by THMSFRTZ

Model files



bike-crank-stand-body.stl



bike-crank-stand-right-leg.stl



bike-crank-stand-left-leg.stl

bike-crank-stand-v24.f3d

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