Steps for Tacx Galaxia Rollers - Indoor Bicycle Aid

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VIEW IN BROWSER

updated 9. 1. 2024 | published 9. 1. 2024

Summary

Steps for easily mounting and dismounting your bicycle on TacxTM Galaxia rollers.

9.08 hrs	2 pcs	0.60 mm	0.80 mm	PLA	868 g	Prusa MINI / MINI+

Sports & Outdoor > Indoor Sports

Tags: roller bicycle bike step dyno dynamometer

It can be challenging to mount and dismount a bike when it's on the dynamometer, so here's my solution. It's a pair of steps to mount on the side rails of a set of TacxTM Galaxia rollers. These steps will allow the rider to mount and dismount his bicycle just as easily as if it were on the ground. As opposed to having to leap several extra inches.

Manufacture

A build volume of at least 110x180x185mm is required. I'm printing on a modified Prusa Mini+.

Print two steps: one left and one right. The settings that I consider important are:

- Perimeters: 3mm total thickness
- Minimum shell thickness: 3mm top, 2mm bottom
- Infill extrusion width: 1.2mm
- Infill pattern: Honeycomb
- Infill density: 8%

For reinforcement, pound a 190mm segment of coat-hanger wire into each of the two cylindrical holes in each step, and glue the ends.

Installation

Disconnect the front end of the roller unit from the rear. Slide one step onto each of the two side rails of the front end, positioning it so the overhangs are rearward and inward. Then reassemble the roller unit.

Model files

PrusaSlicer Projects 2 files

step6-left.3mf

step6-right.3mf

Objects 2 files

step-left.stl

step-right.stl

Print files

step6-right_pla_miniis_08n_06z_11e.bgcode

PLA | 0.80 mm | 0.60 mm | 4.56 hrs | 435 g | Prusa MINI / MINI+

step6-left_pla_miniis_08n_06z_11e.bgcode

PLA | 0.80 mm | 0.60 mm | 4.52 hrs | 432 g | Prusa MINI / MINI+

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