Skywatcher EQ5 Tripod Transport Clip

w00h

VIEW IN BROWSER

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Summary

Clip to secure the tripod legs together with a velcro strap

8.88 hrs	1 pcs	0.20 mm	0.40 mm	PET	139 g	Prusa MK3/S/S+

Learning > Physics & Astronomy

Tags: astronomy eq5 skywatcher tripod

Idea

A simple way to secure the tripod legs with velcro straps because they always tend to flop around uncontrollably.

Design

This is my first design done in Fusion 360.

The original design I used as a reference had lots of supports to print and was in some way not perfectly symmetrical. Another remix of it tried to

alleviate this problem but there I had the problem that the velcro straps were a pain to put in.

I created a new model from scratch based on the ideas and measurements of the other two. Redid the whole tunnel for the straps based on splines, so they are a lot easier to put in.

Other materials

Velcro straps, 20-25 mm wide, 30 cm long with latch (see pictures)

Print settings

PETG, 0.2 mm layer height, 4 perimeters, 20% infill.

The bridging can become a bit tricky because of long bridges. I had to place object modifiers for each of the three tunnels and adjust the bridging angle for every one of those. Please refer to the pictures or the 3mf project.

Attribution

Design is closely based off https://www.thingiverse.com/thing:4419849

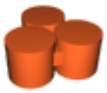
Model files

eq5-transporthilfe-10.3mf

3D model only

eq5-transporthilfe-10.f3d

F360 model



eq5-transporthilfe-10-print.3mf

PrusaSlicer project with placed modifiers

Print files

eq5-transporthilfe-10-print_02mm_petg_mk3s_8h53.gcode

PET | 0.40 mm | 0.20 mm | 8.88 hrs | 139 g | Prusa MK3/S/S+

Other files

eq5-transporthilfe-drawing-10.pdf

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