

Print-in-place Automatic Rope Tensioner

Joe

VIEW IN BROWSER

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Summary

- No additional hardware or glue required --- Locks automatically after removing slack from tentlines, tarpline

1.90 hrs	1 pcs	0.25 mm	0.40 mm	PLA	23 g	Prusa MINI / MINI+

Household > Outdoor & Garden

Tags: hanger cord tensioner trailer outdoor camping wire spanner paracord rope tent grabber ridgeline caravaning line tarp bushcraft ropetensioner grapper ropetightener tarpline tentline ropebreak ropegrabber

Print-In-Place with no additional hardware required, making **it's easily scalable up or down**.

All of the credit for this design should go to the original designer:

https://www.printables.com/model/565344-automatic-rope-tensioner

I've just made a cosmetic remix of the Automatic-Rope-Tensioner (filled in the screw holes, as they're not required).

Both this version and the original can be Printed-In-Place using organic supports.

I sliced it in PrusaSlicer using a 0.25mm layer height; 4 walls; 20% infill; organic supports on build plate only.

I've also tried printing it scaled down to 70% and as you can see, it works quite well (the locking mechanism moves a bit rougher though). With it scaled down to 70%, it's a very nice size for using with 550 paracord (it's actually way smaller & lighter than a NiteIze).

This remix is based on



"Automatic" Paracord Rope Tensioner

by firstgizmo

Model files



automatic-rope-tensioner-print-in-place-v2.3mf



automatic-rope-tensioner.stl

Print files



automatic-rope-tensioner_025mm_pla_mini_1h54m.gcode

PLA | 0.40 mm | 0.25 mm | 1.90 hrs | 23 g | Prusa MINI / MINI+

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