

3D MODEL ONLY

AKLP carriage with tensioner

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Summary

This is a mod of pfjasons Modified Anycubic Kossel Linear Plus Carriage Tensioner (...)

[3D Printers](#) > [Accessories](#)

Tags: [anycubickosselplus](#)

This is a mod of pfjasons Modified Anycubic Kossel Linear Plus Carriage Tensioner

(<https://www.thingiverse.com/thing:3116823>).

Because i couldn't get his steel spacers i decided to mod his greatly improved design that was originally drawn by Old-Steve (<https://www.thingiverse.com/thing:2653647>). I placed longer cones (and supports) to reach the width of 52mm and made the holes in them a bit tighter (3mm) as they were in Old-Steves design. By the latter the bolts are now hold without any slack. Following a hint from Jason i also made the cone ends thin enough to allow the necessary free moving space of the rod hinges. Since the boltheads also limit the free moving space i made some spacers. They should be AD 4,2mm ID3,2mm. if they come out too tight just draw your own with more ID.

25mm M3 bolts for the rods fit perfectly for me.

20190123 UPDATE

When i mounted mine i awared that the belt fixing gap on the slider was too tight and the bulge was hindering me to push the belt into the gap. That's why i removed the bead and widened the gap a little.

Print Settings

Printer:

Anycubic Kossel Linear Plu

Rafts:

No

Supports:

No

Resolution:

0,162mm

Infill:

100%

Filament:

OWL-Filament (little german manufacturer) PLA

Signalred

Notes:

I prefer 100% infill for mechanical parts, but less may be ok for you.

How I Designed This =====

I used 123DDesign and have uploaded the design file with the stl if anyone wanna make further mods

Category: 3D Printer Accessories

Model files



aklp_carriage_spacer.stl



aklp_carriage_tensioning_slider.stl



aklp_carriage_with_tensioner.stl

[Find source .stl files on Thingiverse.com](#)

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