



## Tronxy X3 y-belt tensioner (front)

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### Summary

After making an x-belt tensioner, I might as well make a y-belt one. Reuses existing bits. Only needs an M5x25 screw...

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After making an [x-belt tensioner](#), I might as well make a y-belt one.

Reuses existing bits. Only needs an M5x25 screw and an M5 nut.

If you this helps and want to encourage my insanity, buy a [cup of coffee](#) for me, a [bag of coffee](#), or you [pick the value](#). Thanks!

The tall knob hides the screw end a bit more.

**IMPORTANT UPDATE:** New shaft version. First version limited the maximum y direction. Newy\_adjust - y shaft\_v2.stl should get full range again.

UPDATE: Modified the end cap with a slightly deeper lip and orientation arrows. Modified the knob to cover the screw end better. Included the new parts in the set.

UPDATE: Added a flatter endcap as a request by Budi.

## **Print Settings**

### **Printer:**

Tronxy X3

### **Rafts:**

No

### **Supports:**

No

### **Resolution:**

0.2mm

### **Infill:**

35%

### **Notes:**

Printed with 3 wall/perimeters and 5 top and bottom layers. The shaft is printed vertically and uses print discs to help hold to the bed.

Post-Printing =====

Only extra parts need are an M5x25 screw and an M5 nut.

Trim or break off the print pads on the shaft part. They are only used for printing.

Reuse the existing screws and drop-in t-nuts morning dropping them in the top two holes. Slide it over the 2020 extrusion.

Thread the M5 screw onto the bracket until it's tight. Reuse the carriage washers, washers, bearing, M5 screw and lock nut and reassemble the pulley in the new bracket. Tighten just enough to hold together.

Press an M5 nut into the knob part.

Once assembled, turn knob to tighten. Don't over do it.

Happy printing.

Category: 3D Printer Parts

## Model files



y\_adjust\_-\_bracket.stl



endcap-y\_budi.stl



y\_adjust\_-\_endcap\_v2.stl



y\_adjust\_-\_y\_shaft\_v2.stl



y\_adjust\_-\_knob\_v2.stl



y\_adjust\_-\_set\_v2b.stl

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

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