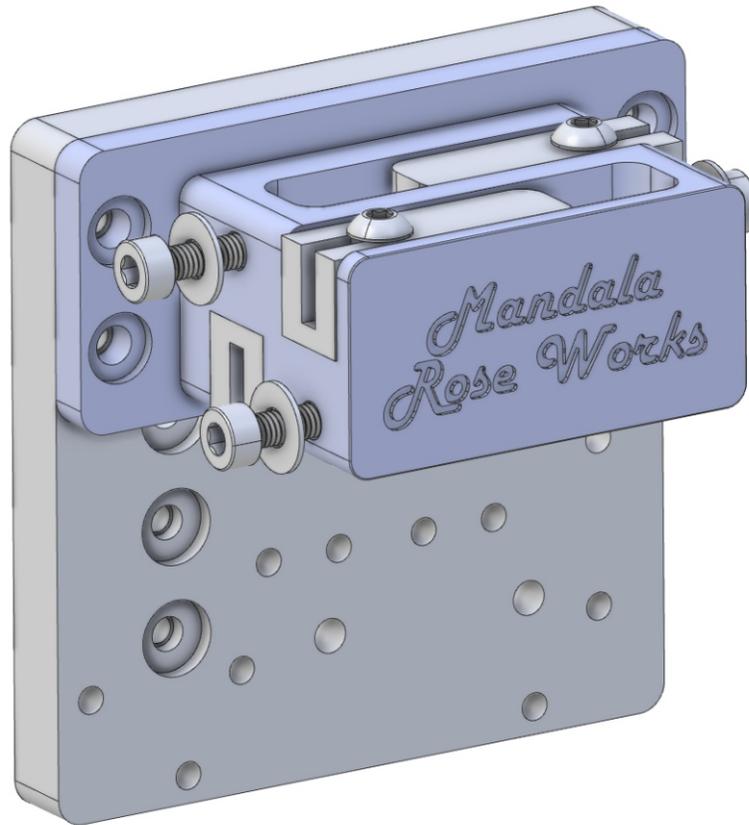




# Aluminum Belt Clips & Retainer Data and Instruction Sheet



## Kit Contents

- 1 Aluminum Retainer
- 4 Belt Clips
- 4 m3 x 20mm Cap Head Bolts
- 4 - m3 x 8mm button head cap screws - for attaching the belts to the clips

## Optional Items

- Loctite - Blue or Green

## Instructions

- Remove your existing belts, retainer and clips.
- Mount the clip retainer to your Y Carriage plate (works with any of the aluminum plates on the market).
- Now, you have to setup one of your belts.
- Put a clip on one end of the belt, then string the belt thru the pulleys in the appropriate configuration.

**The large opening on the clip must face up when in the top of the retainer, and on the bottom of the retainer, you can flip it either direction depending on whether your install needs additional height or not.**

- Mark where the belt goes into the other end of the retainer, approximately 7mm from the edge of the clip.
- This is where you want to fold the belt into a loop and attach your second clip.
- Now, push the loop towards the circle
- Dip a few threads of an m3 x 8mm button head screw into some loctite, and insert that screw into the loop of the belt and screw it down. Make sure the screw does NOT extend past the bottom of the clip, it does NOT need to be tight. **A little blue loctite on the threads will help here as well**
- Now, setup your other belt with the clips so that it matches the length and clip position of the first belt.
- Put 1 washer on each of the long bolts used for mounting the clips.
- Get your m3 x 20mm cap head bolts ready by dipping just a tiny amount of the threads into the loctite.

**When it comes to loctite, less is more as far as holding power! Do not drench or submerge the bolt in loctite, as that would reduce the holding power significantly.**

- Now, you may attach the belts to the pulleys and begin your process of aligning and tensioning your belts using the method recommended by Railcore Labs, LLC.

**NOTE:** Belt tensioning can be fine tuned using the 4 bolts that hold the clips into the retainer.

We recommend 10 rotations of each 20mm cap head screw at a minimum. That means that 5mm of the bolt is threaded into the clips.

