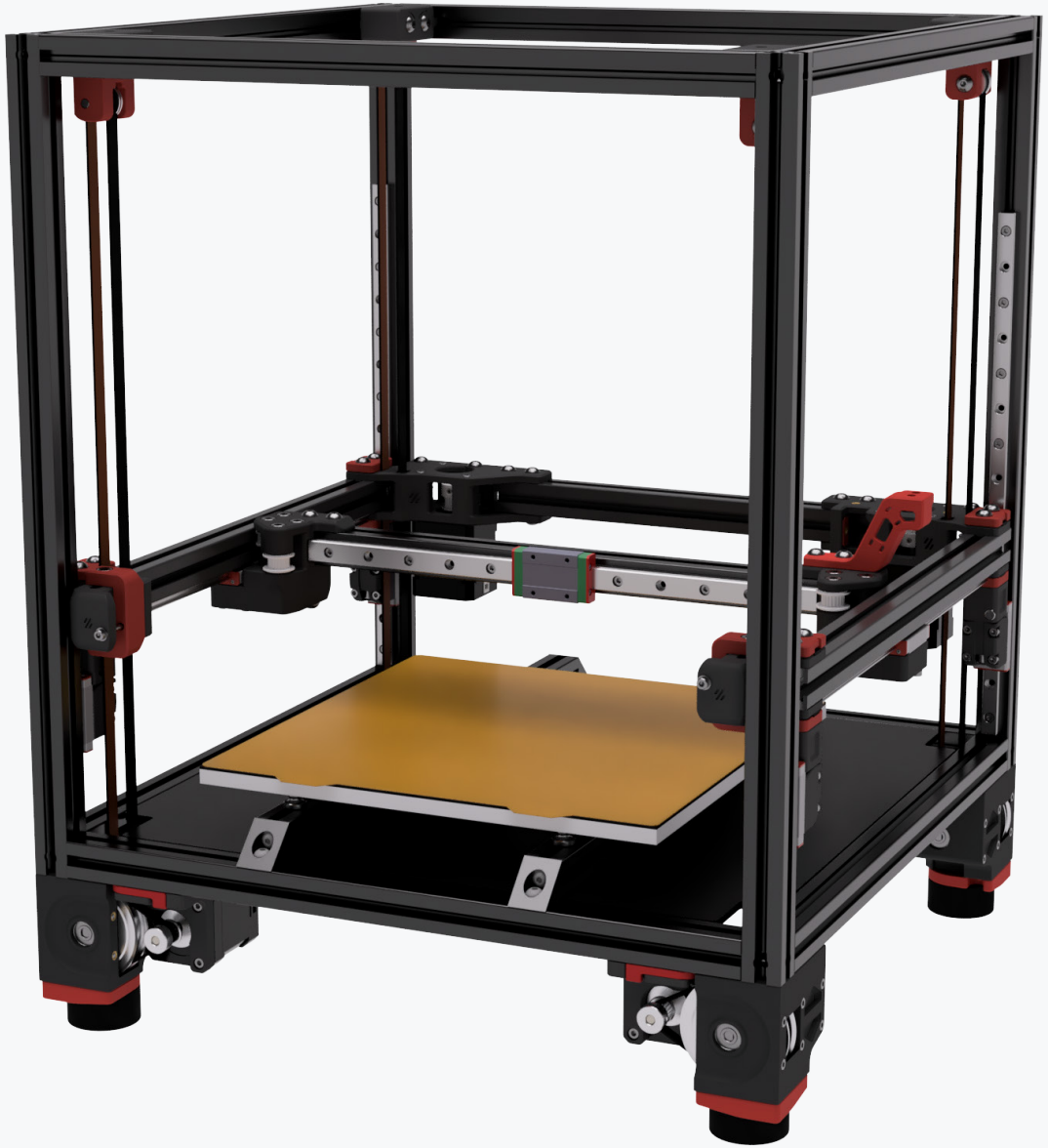
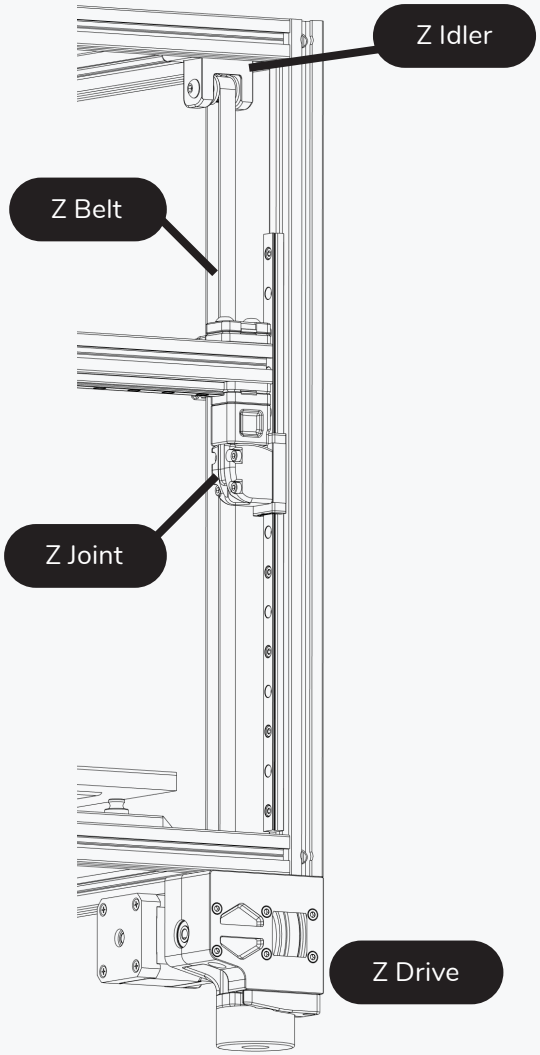
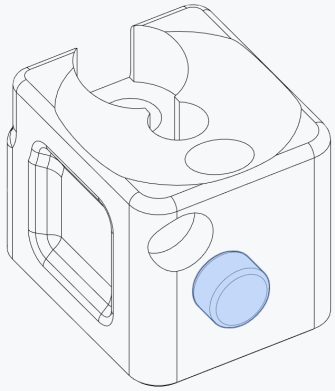
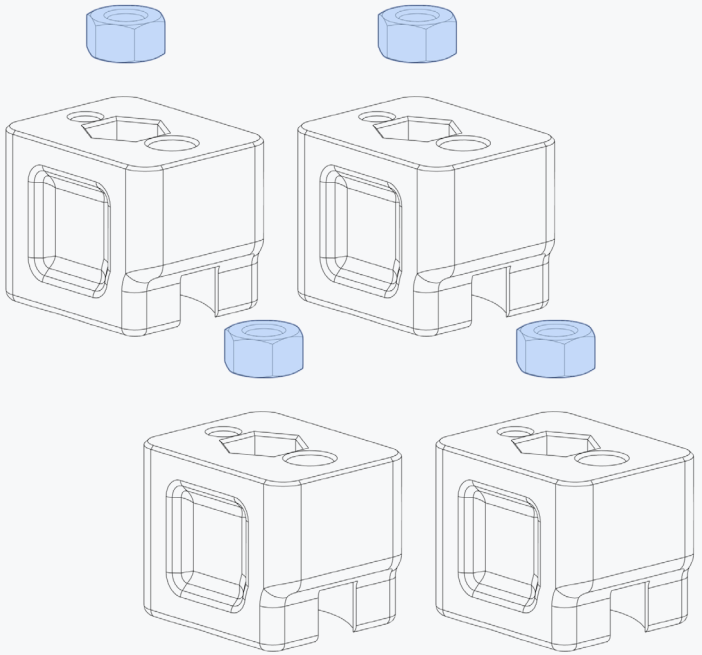



Z Idler
Z Belt
Z Joint
Z Drive



6x3 Magnet

M5 Nut



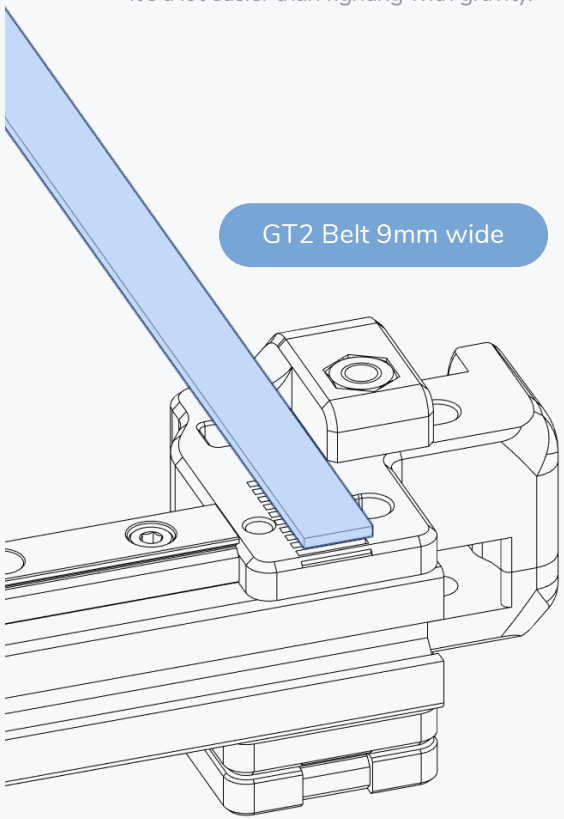
OPTION: HALL EFFECT ENDSTOP

If you are building your printer with a Hall Effect Endstop add a magnet to the cutout.

Z BEARING BLOCKS

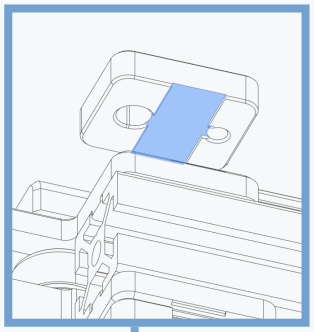
GANTRY IS STILL UPSIDE DOWN

It's a lot easier than fighting with gravity.



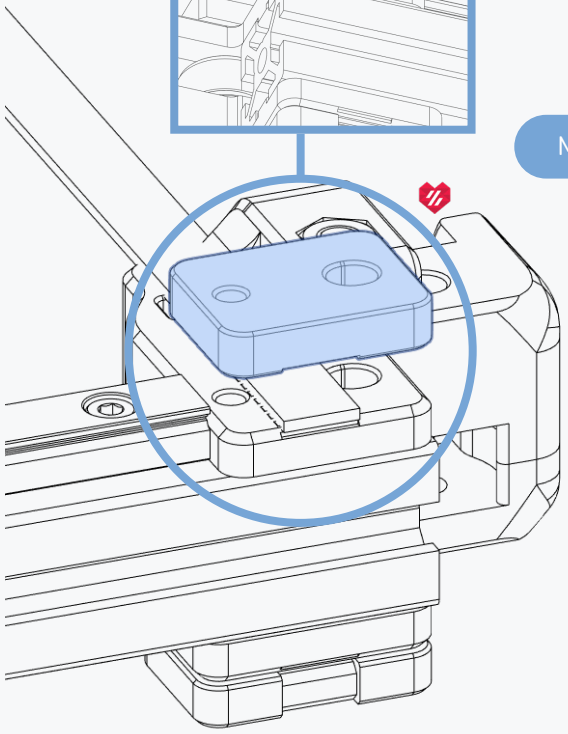
TEETH DOWN

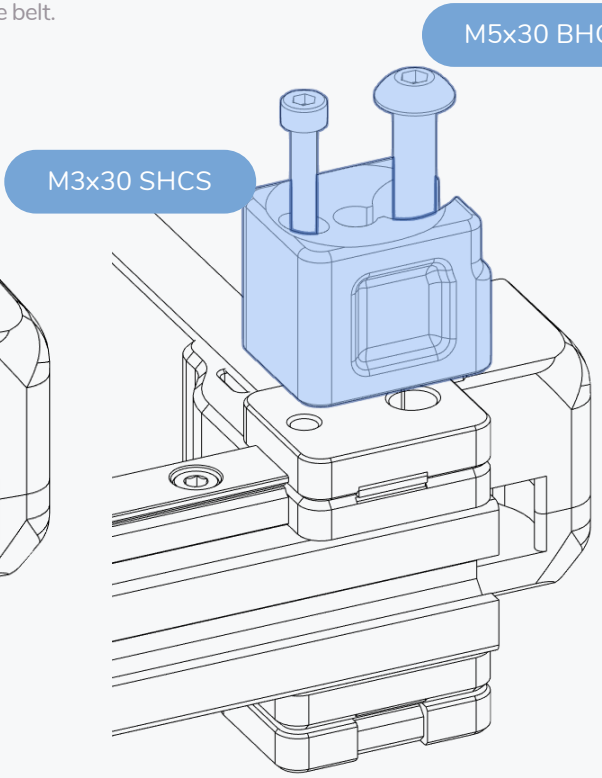
The teeth of the belts are facing down into the serrations in the printed part.



NOTCH ORIENTATION

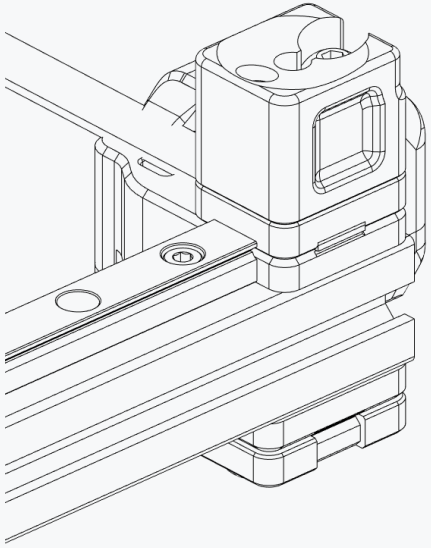
The indentation along the part is designed to clamp on the belt.





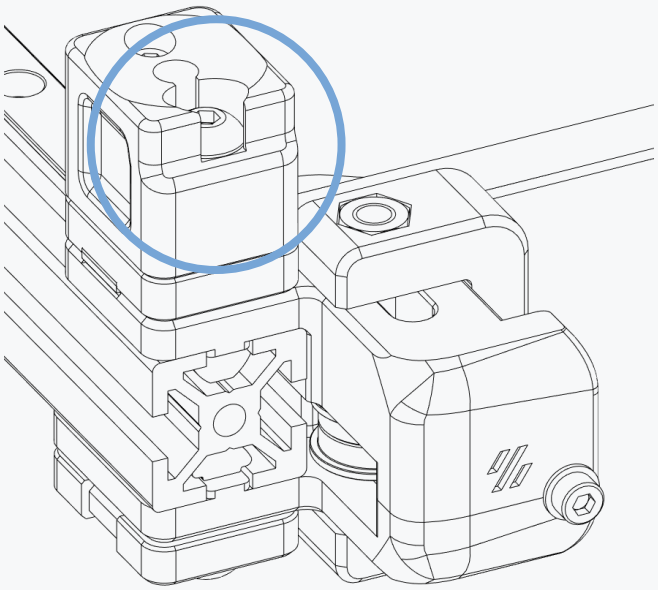
MINIMUM RECOMMENDED BELT CUT LENGTH

250 spec 1000mm
300 spec 1100mm
350 spec 1200mm



MIND THE PART ORIENTATION

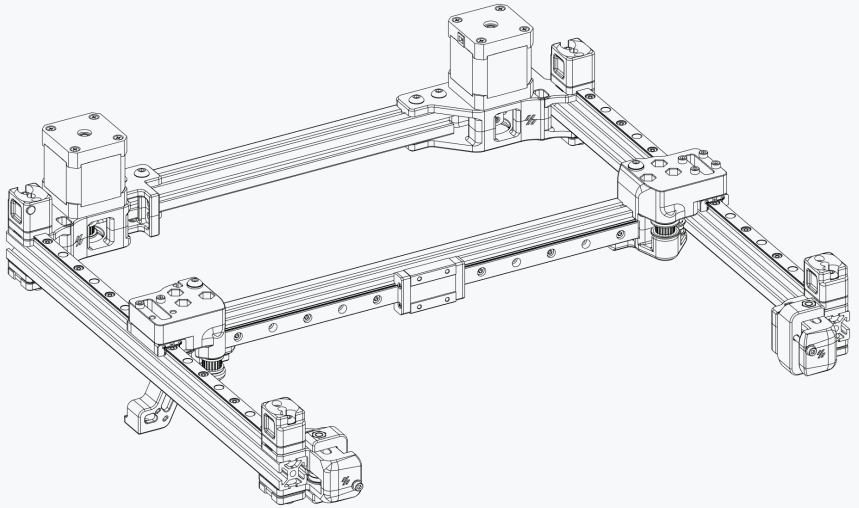
The cutout goes towards the outside.

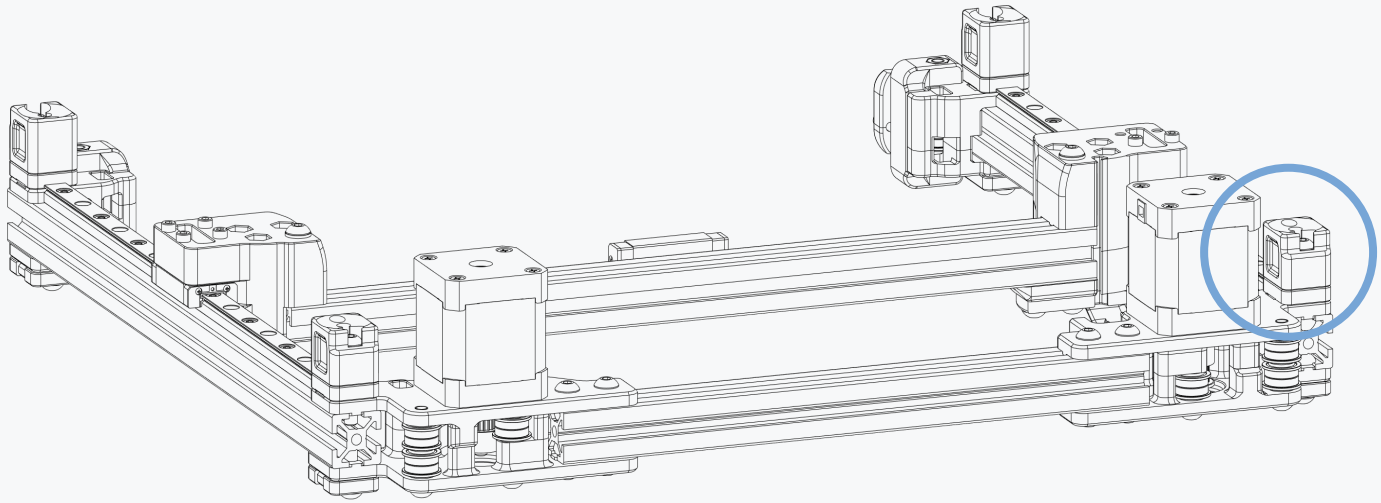


Z BEARING BLOCKS

REPEAT BELT INSTALL FOR ALL 4 BLOCKS

We are not showing the belts in the pictures on this page.

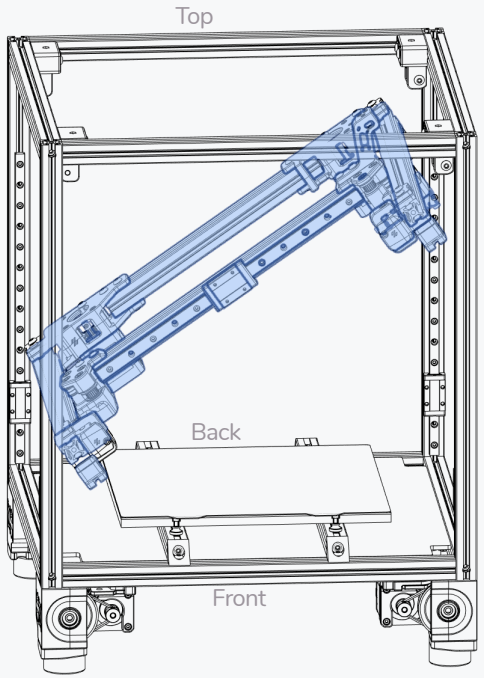




OPTION: HALL ENDSTOP

Install the block with the magnet in this position. The magnet faces the XY joint.

GANTRY INSTALL



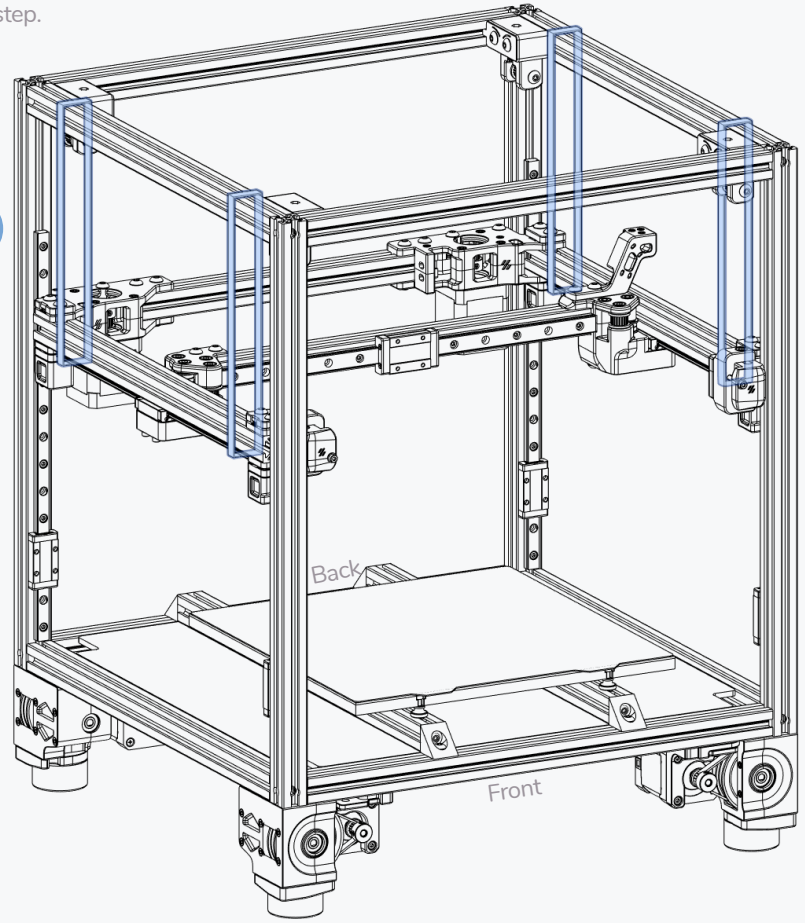
INSERT AT AN ANGLE

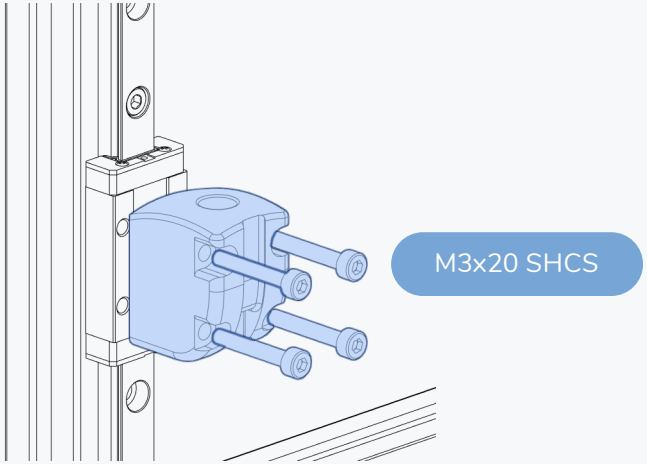
Tilt the gantry to move it past the uprights.

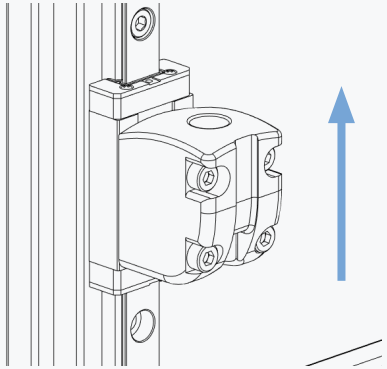
A HELPING HAND

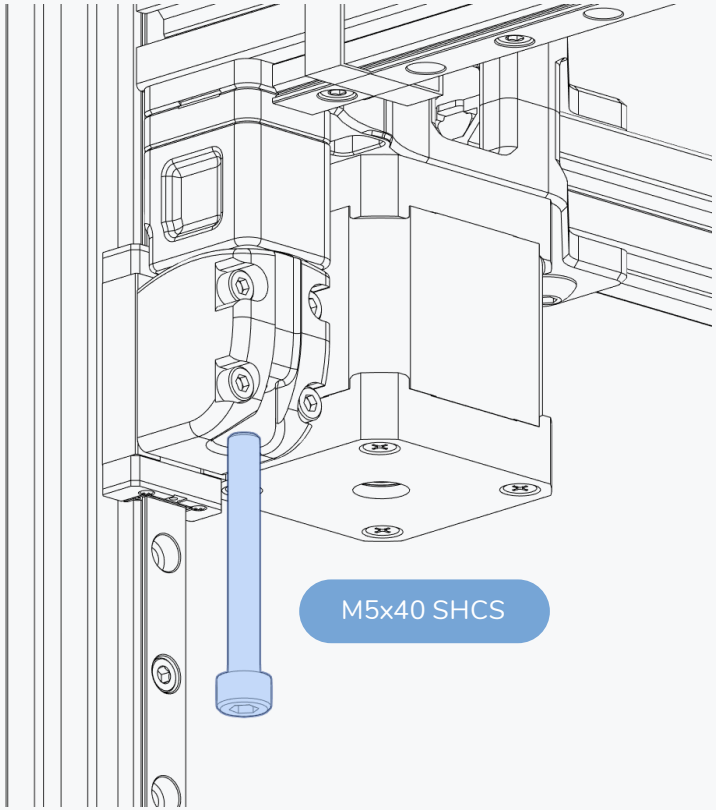
Secure the gantry with long zipties or similar while the gantry is being installed. An extra pair of hands helps with this step.

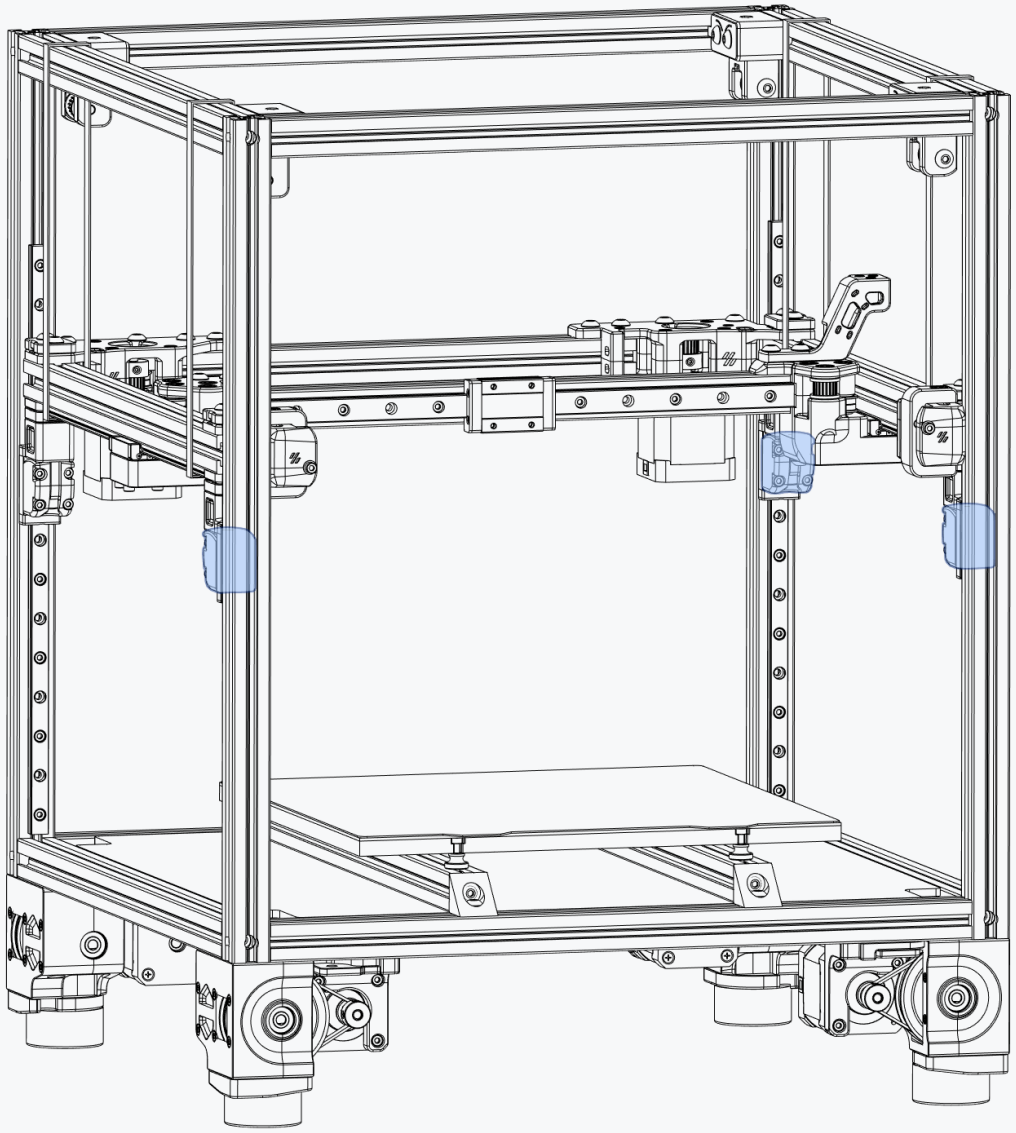
Long Zipties




M3x20 SHCS

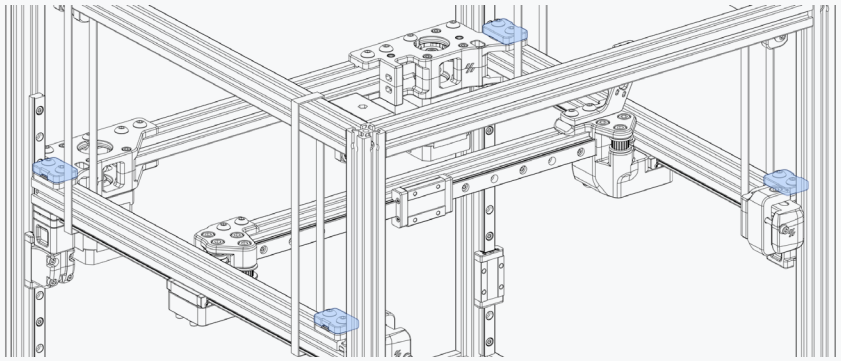



M5x40 SHCS



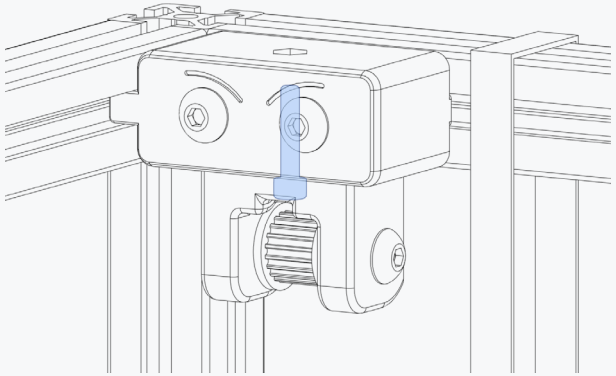
INSTALL REMAINING JOINTS

Add the other 3 joints repeating the same steps.



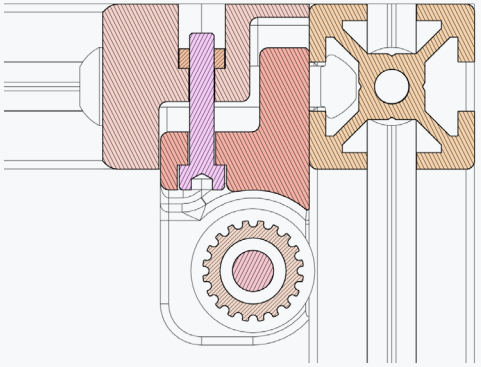
LOOSEN TOP BELT CLAMPS

Undo the top belt clamps, we'll be installing the belts in the next steps.

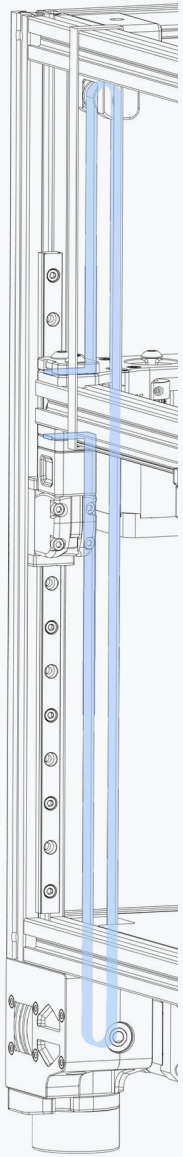


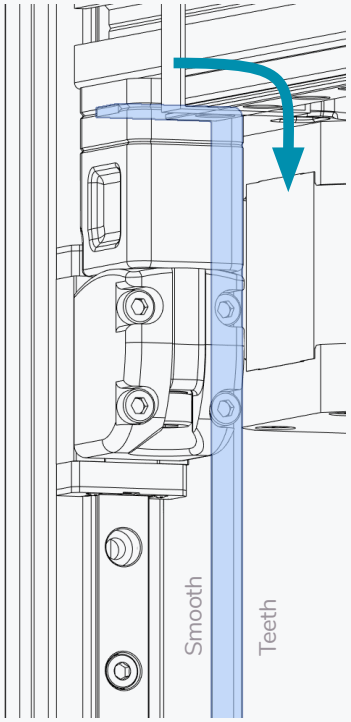
EXTEND IDLER

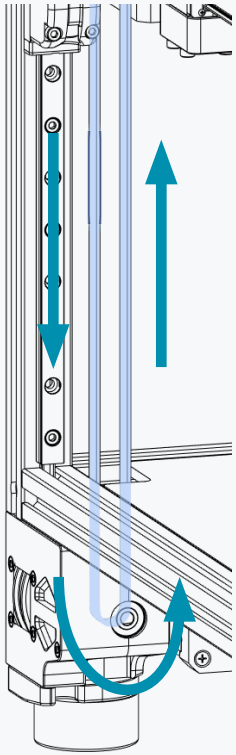
Loosen the idler bolt to extend the idler. Once extended to the maximum before becoming undone tighten 4 turns. Repeat for all 4 idlers.

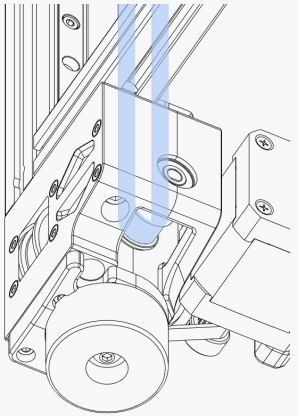


Z BELT





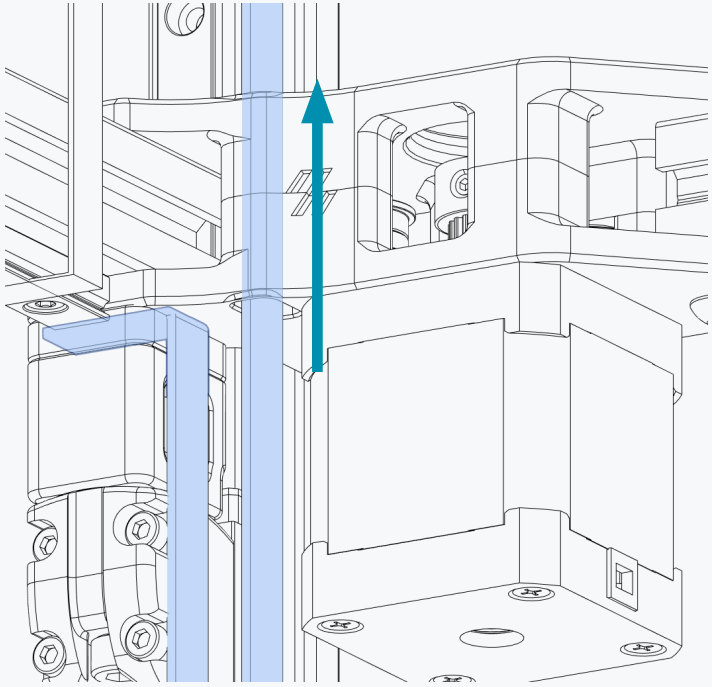


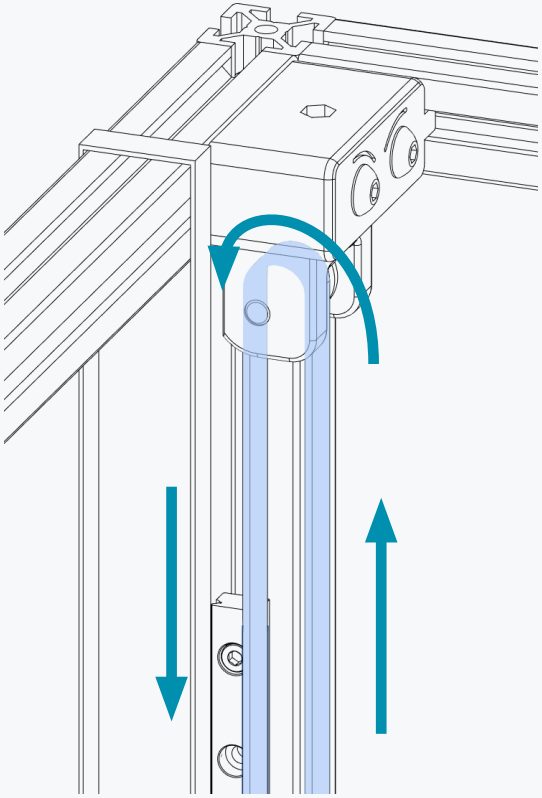


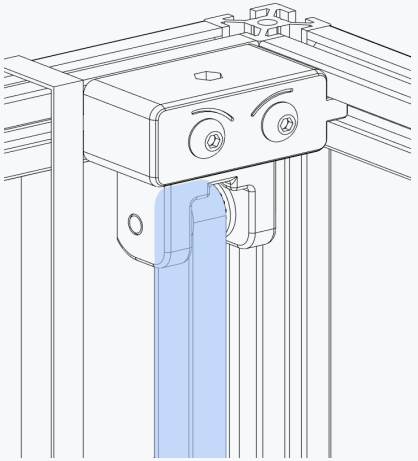
Z BELT ROUTING

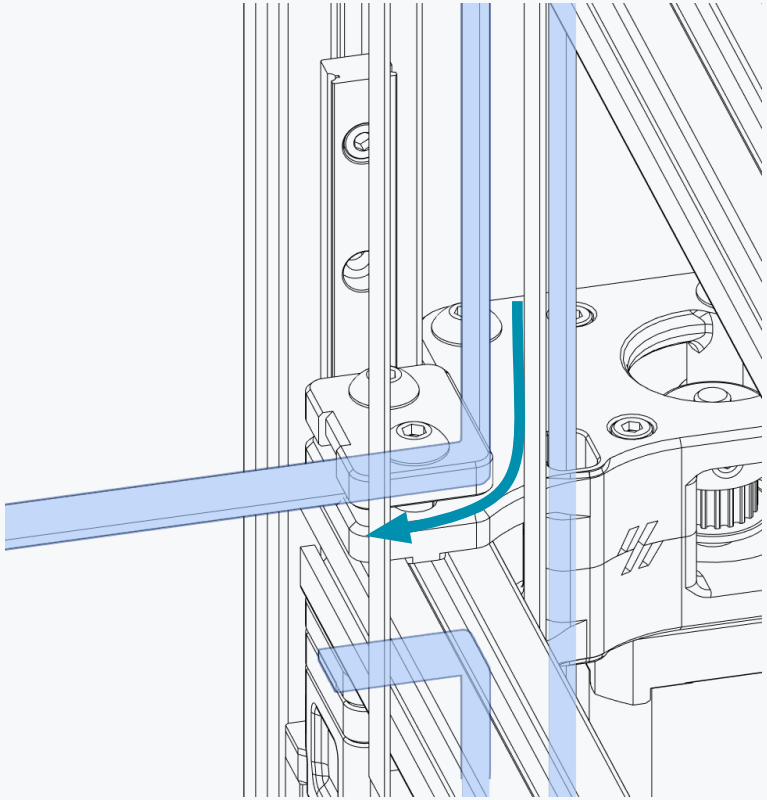
Follow the path pointed out by the arrows.
Needle nose pliers, tweezers or similar tools
can help in this step.

The belt teeth are on the inside of the loop.



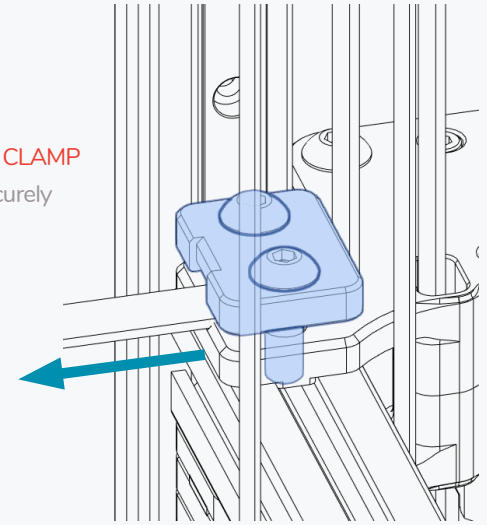






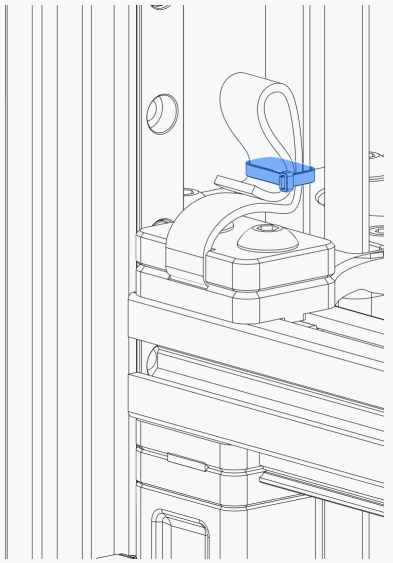
PULL TIGHT AND SECURE BELT CLAMP

Pull on the end of the belt and securely fasten the top belt clamp.



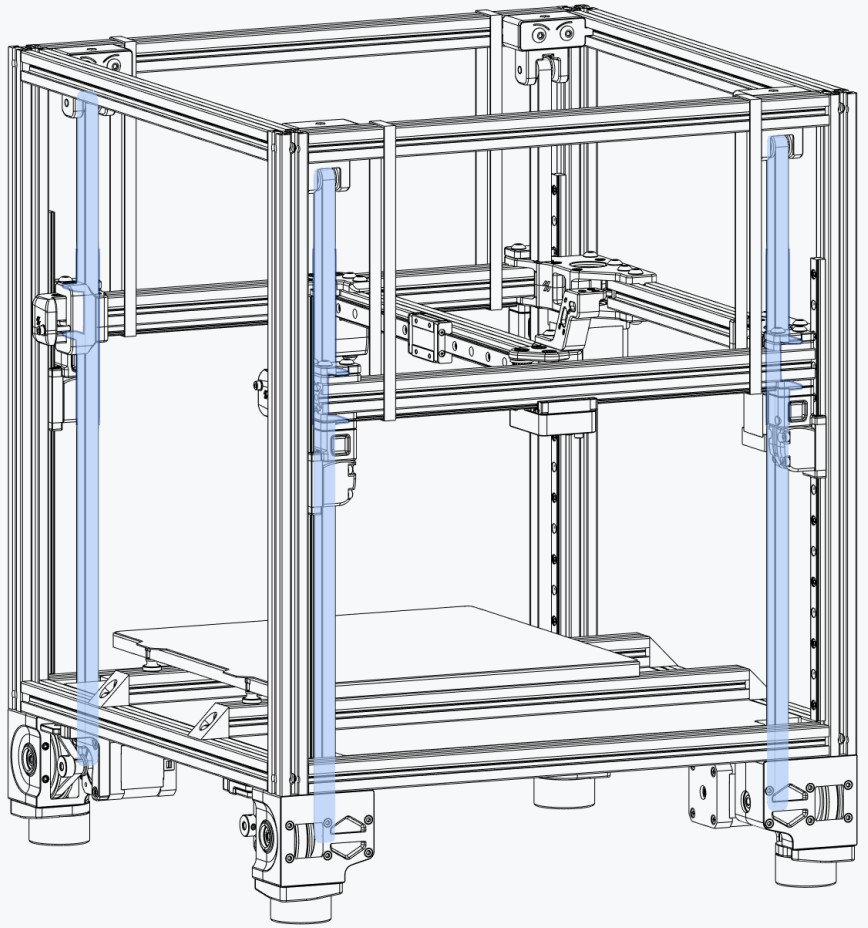
EXCESS BELT

Fold the excess belt over and use a small ziptie to secure the end.

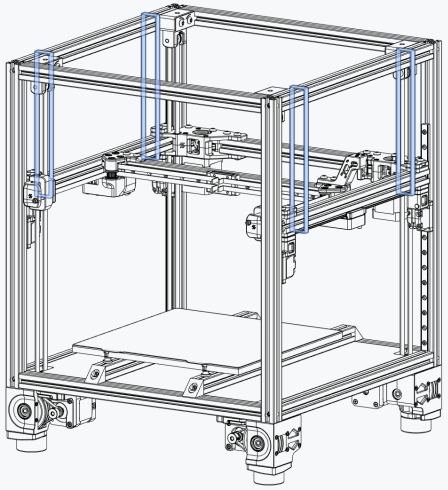


INSTALL REMAINING Z BELTS

Repeat the install instructions for the other 3 Z belts.



GANTRY ALIGNMENT



REMOVE ZIPTIES

With the belts installed the gantry will stay in position.

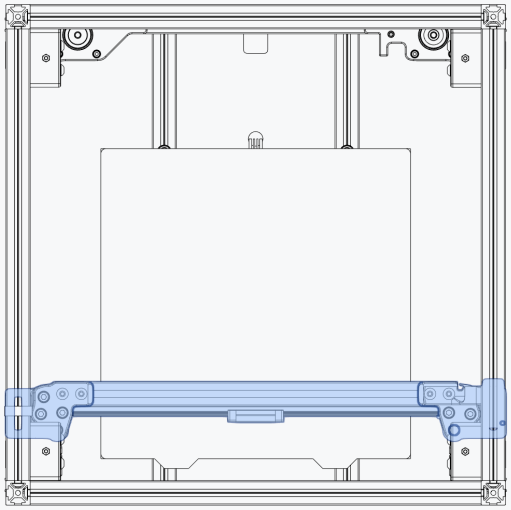
SQUARING THE GANTRY

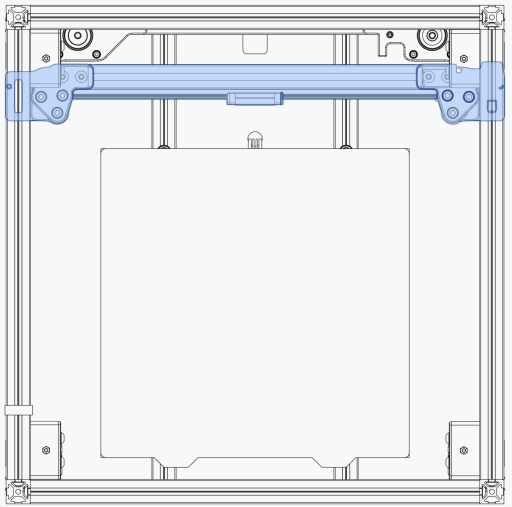
Move the gantry all the way back until it hits the A and B drive on both sides.

Fully tighten all screws on the X axis.

You may need to adjust the distance between the A and B drive to square the gantry. To do this loosen the bolts that secures the B drive to the rear gantry extrusion. Repeat the steps above and secure the fasteners again.

https://voron.link/cekh81l





Voron2.0 was never officially released.