

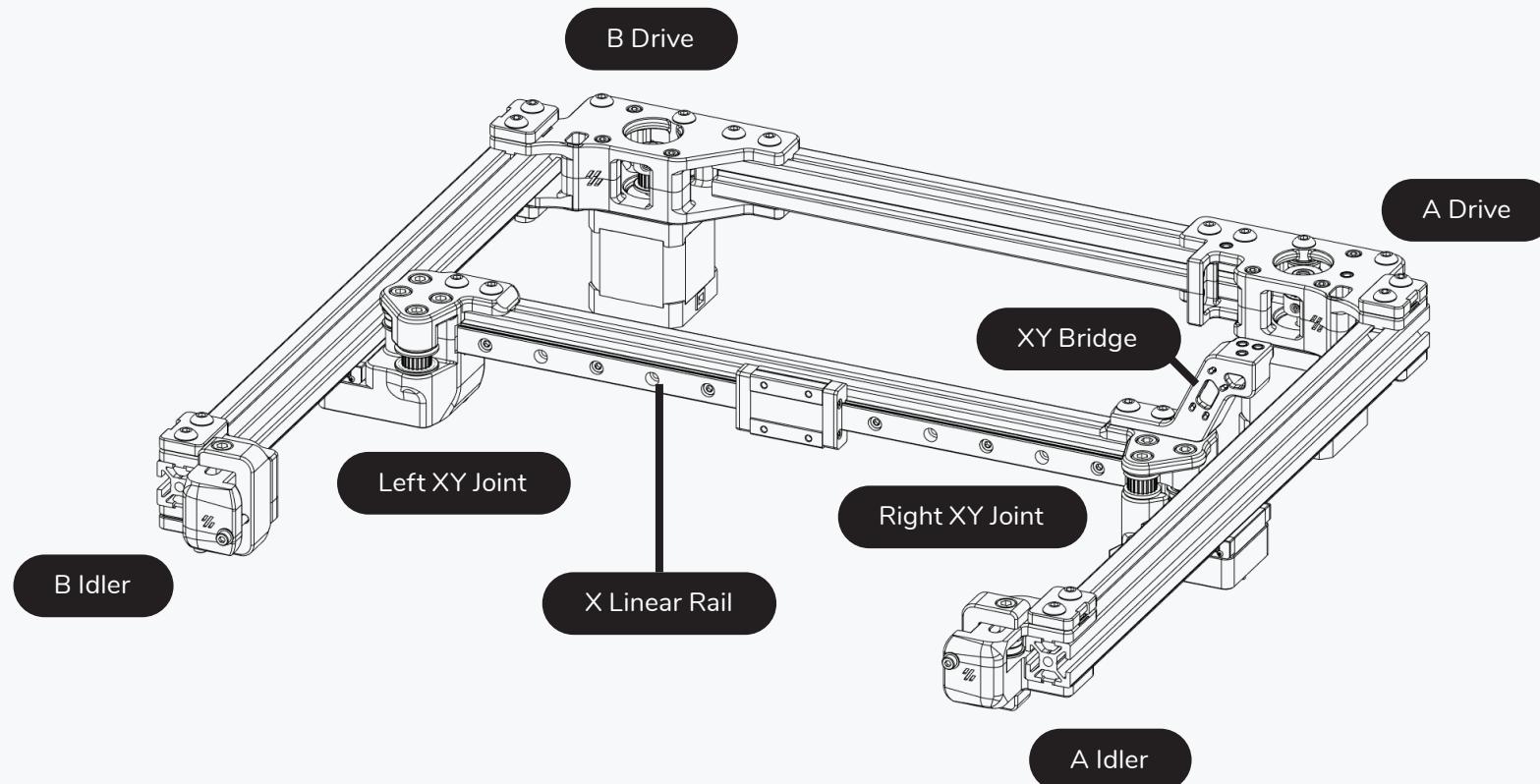
GANTRY

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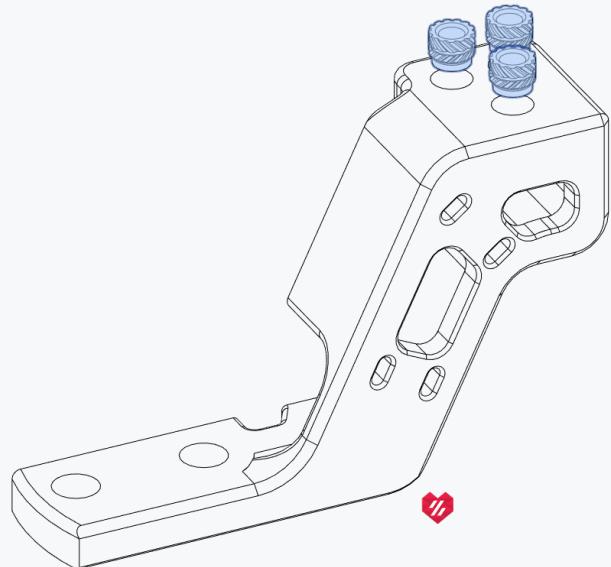
OVERVIEW

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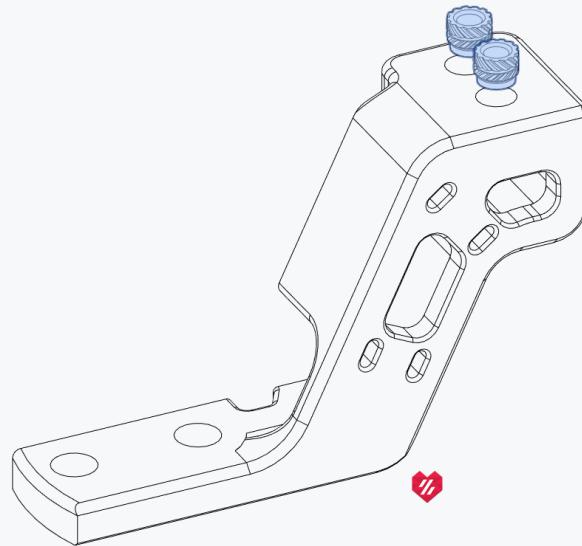
GENERIC CABLE CHAINS

The 3 hole pattern is usually found on generic cable chains.



IGUS CABLE CHAINS

IGUS chains have 2 mounting holes.

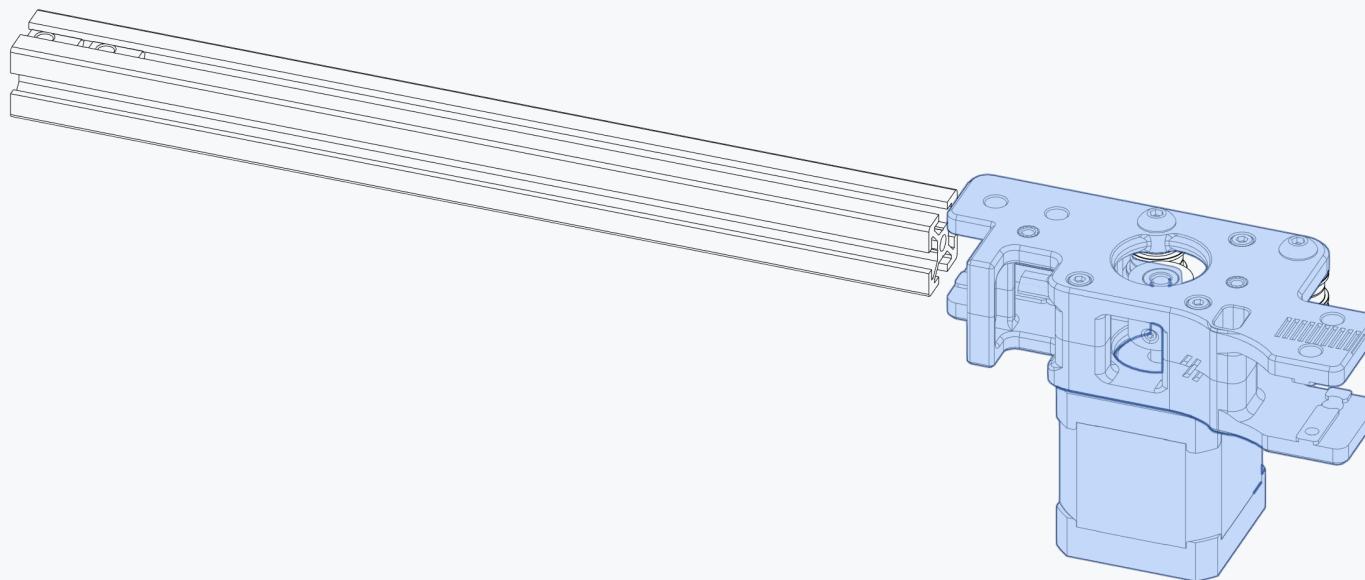
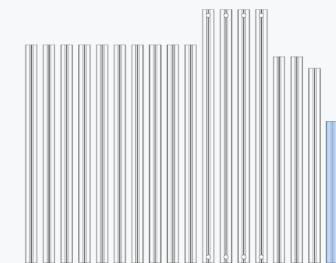
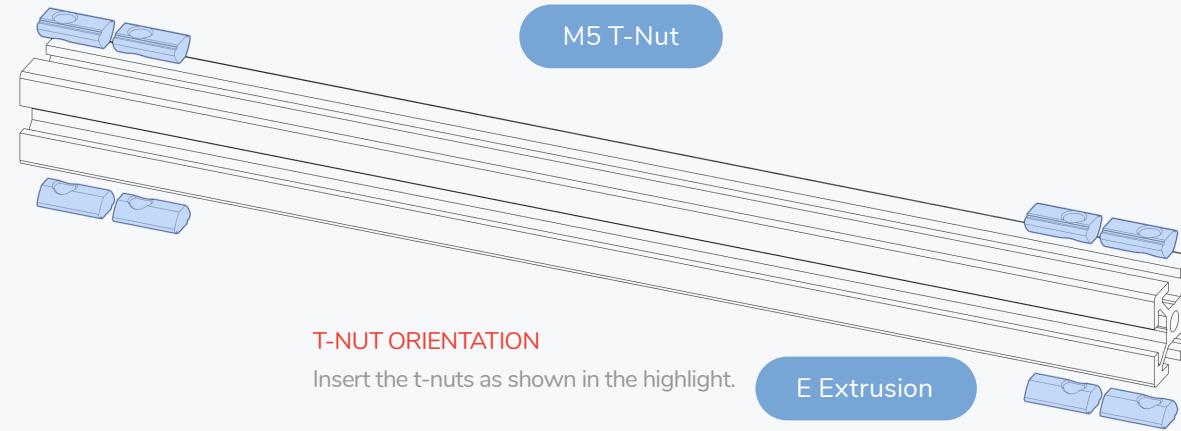


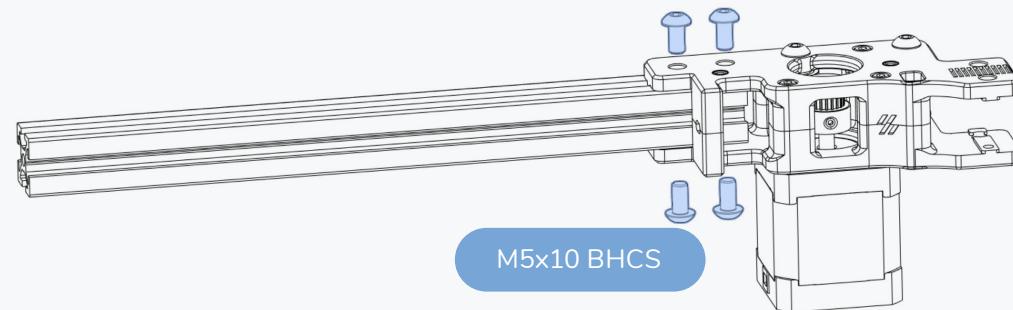
WHICH TO CHOOSE?

Pick the style that matches the mounting pattern of your cable chains.

GANTRY

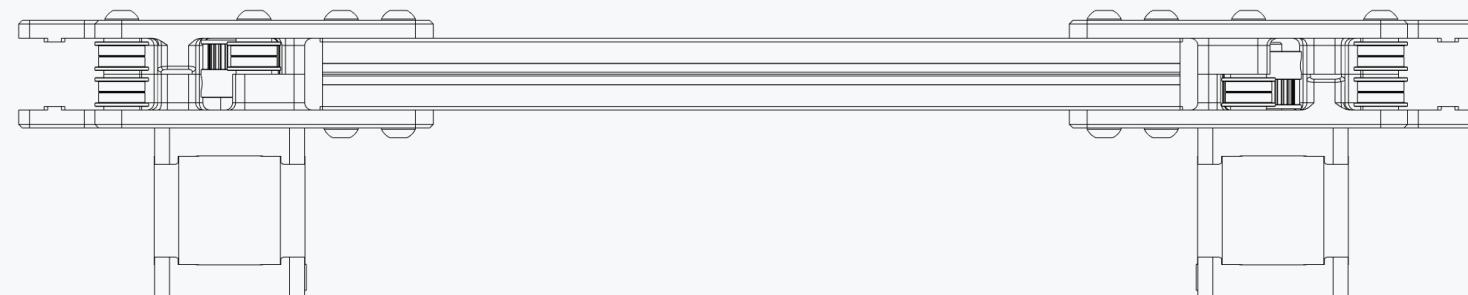
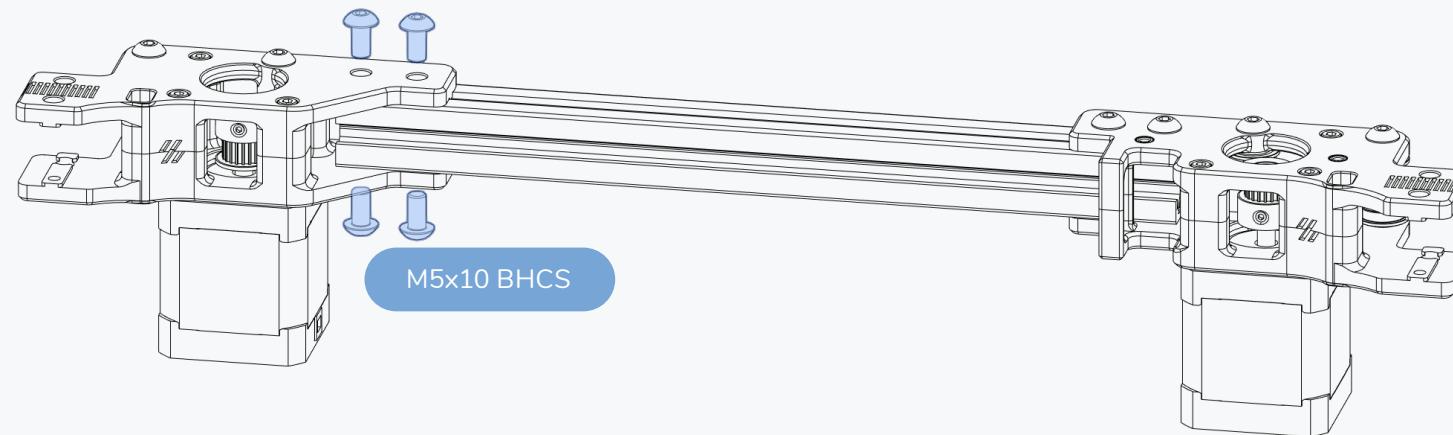
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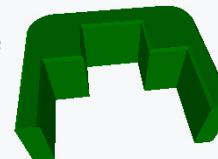
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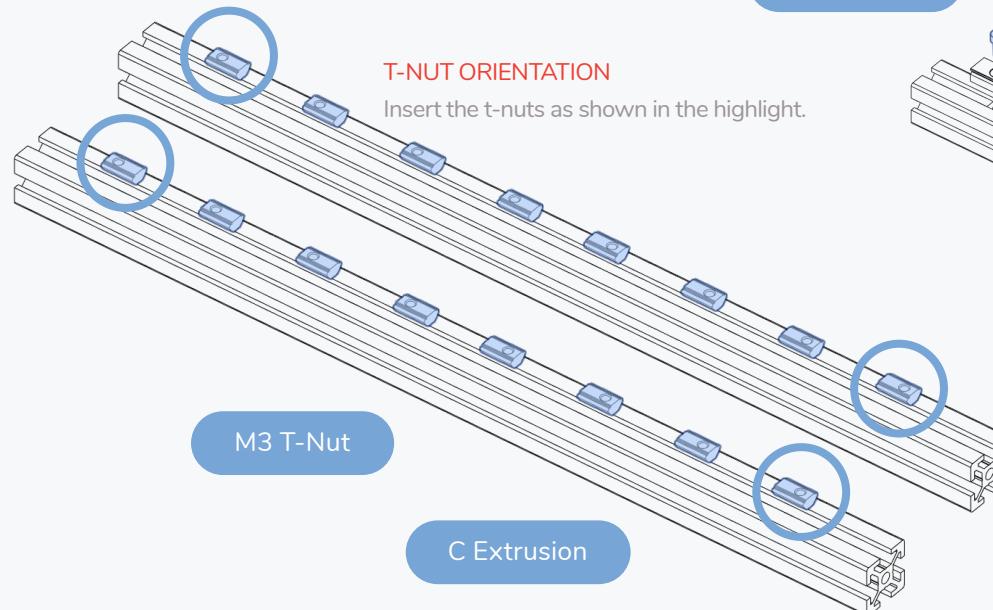


CENTRED RAIL INSTALLATION GUIDE

Use the MGN9 guides to position the rail in the centre of the extrusion prior to fastening the screws.

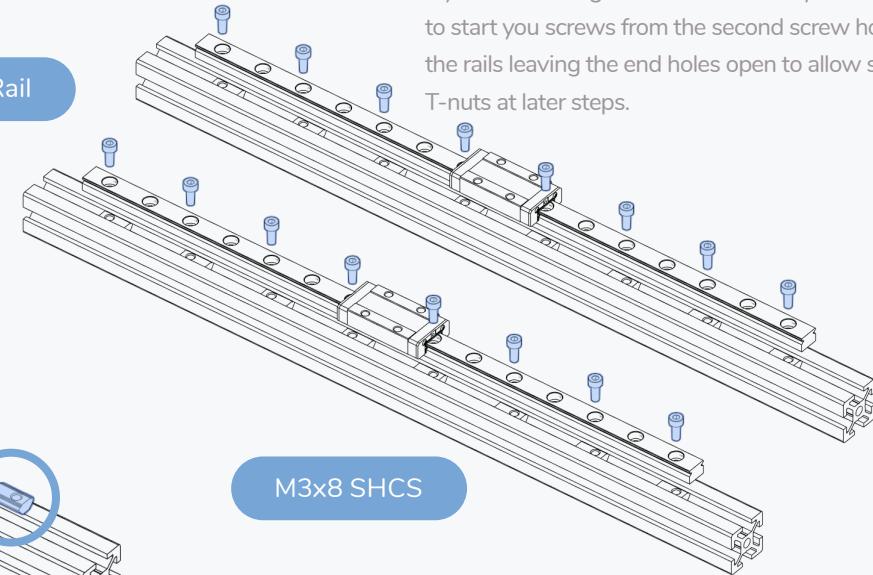


MGN9 Rail



M3 T-Nut

C Extrusion



M3x8 SHCS

300MM BUILDS

If you are building a 300mm machine you will need to start your screws from the second screw hole in the rails leaving the end holes open to allow space for T-nuts at later steps.

MIND THE CARRIAGE

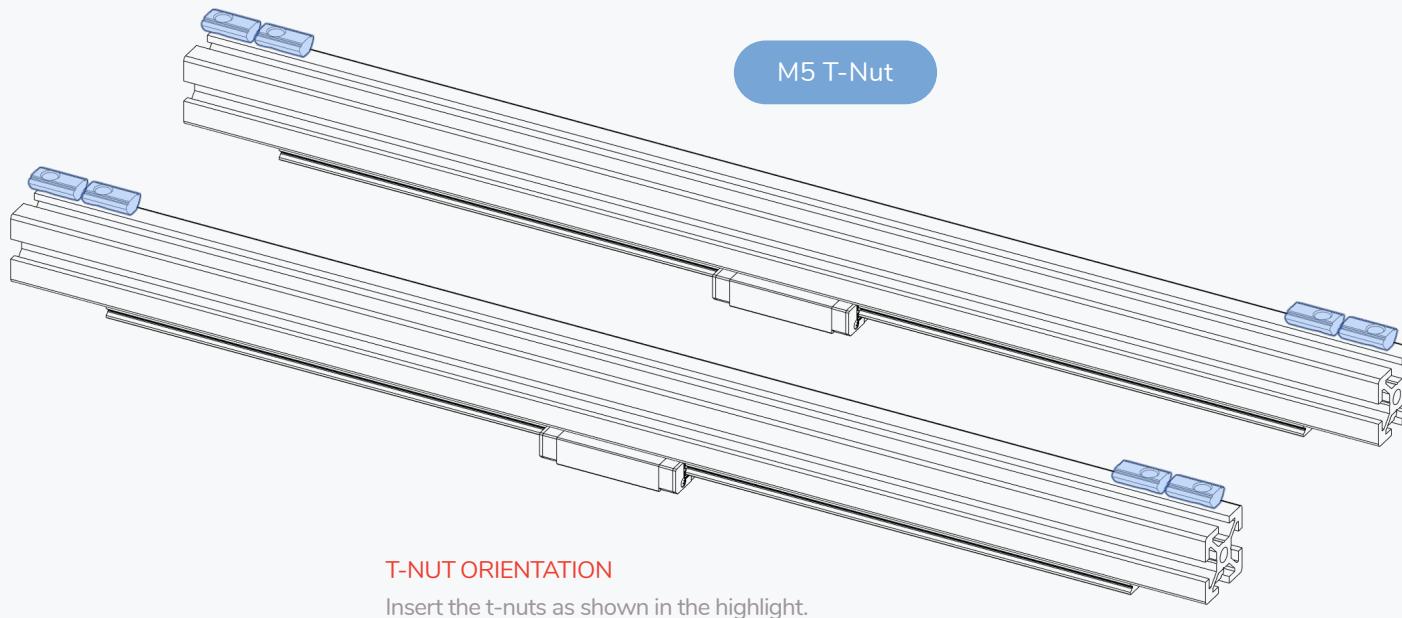
The carriages are designed to slide along the rail easily. This unfortunately also includes sliding off the rails.

Dropping the carriage likely irreparably damages it.

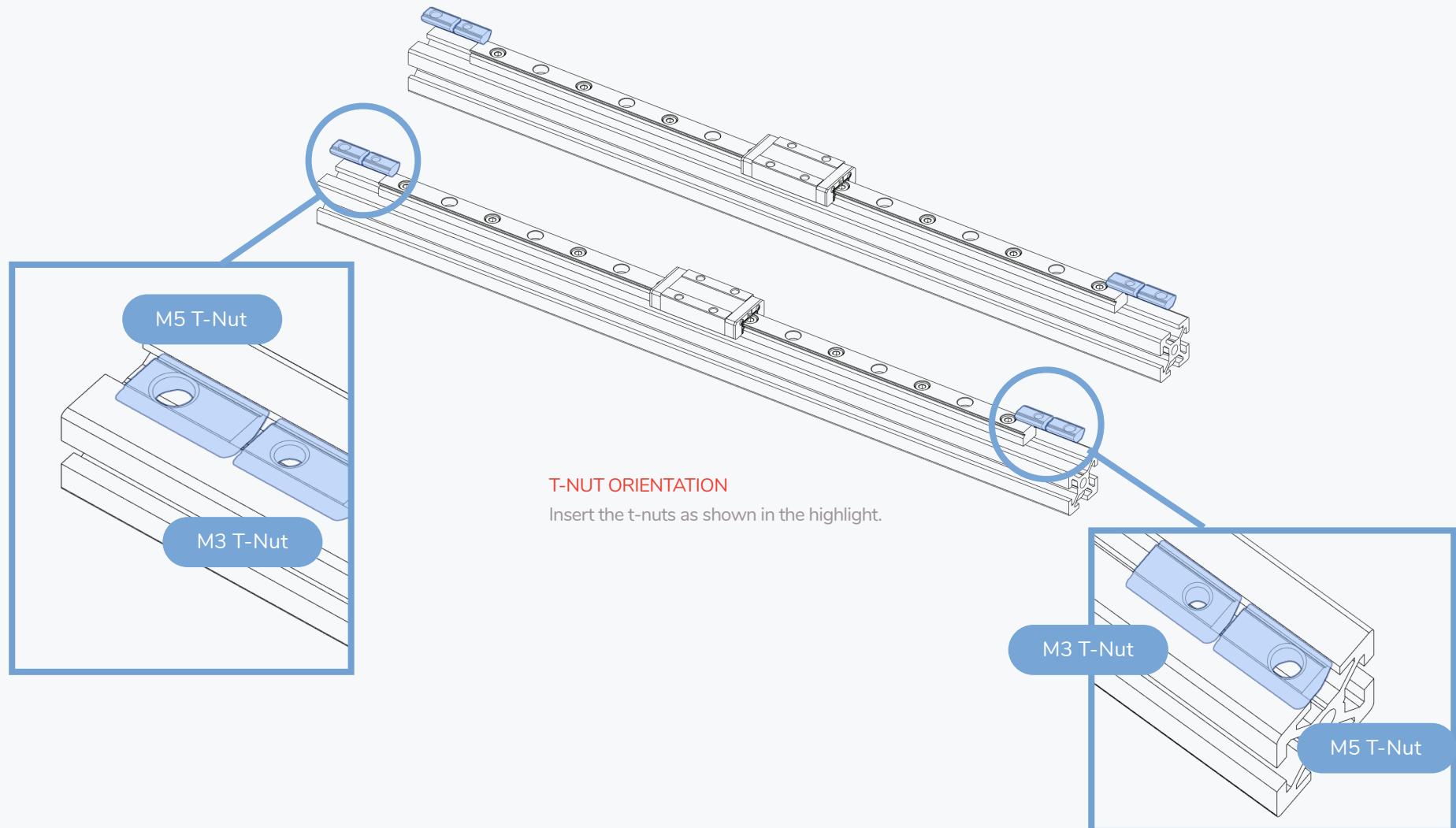


Y AXIS

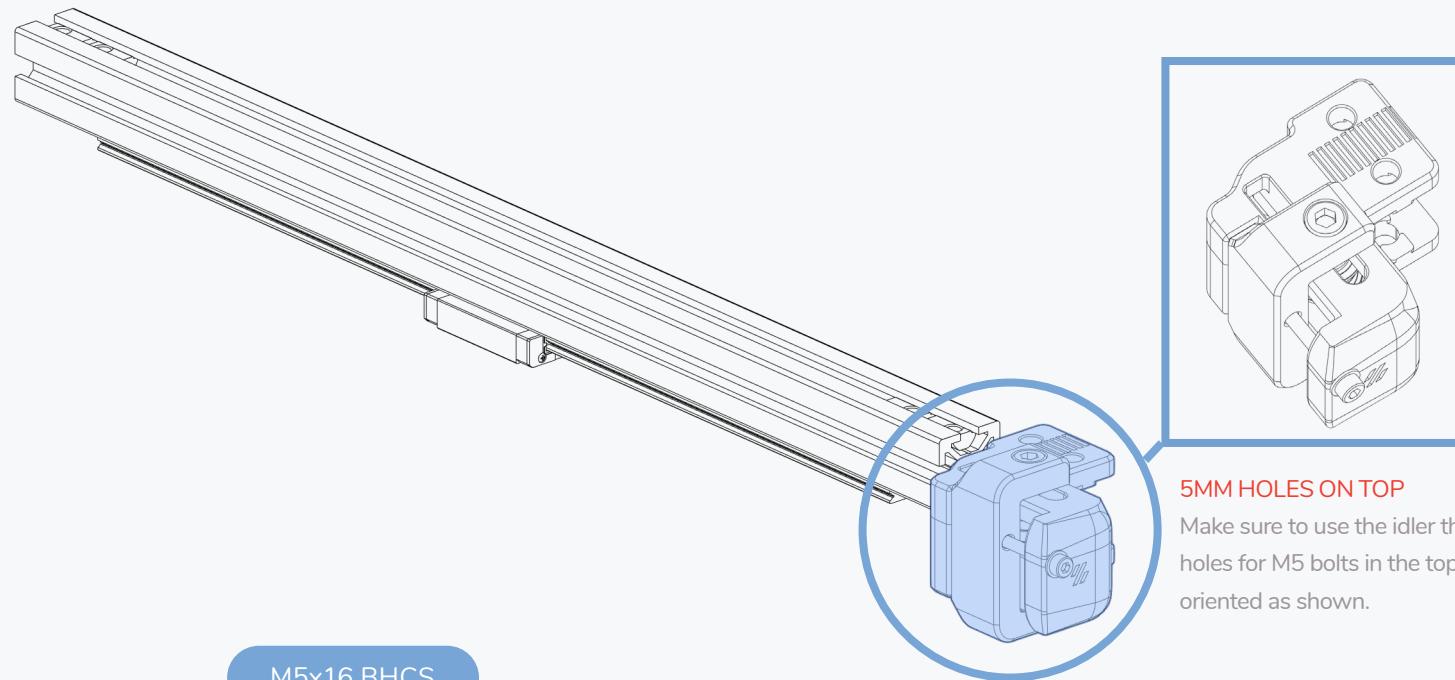
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Y AXIS

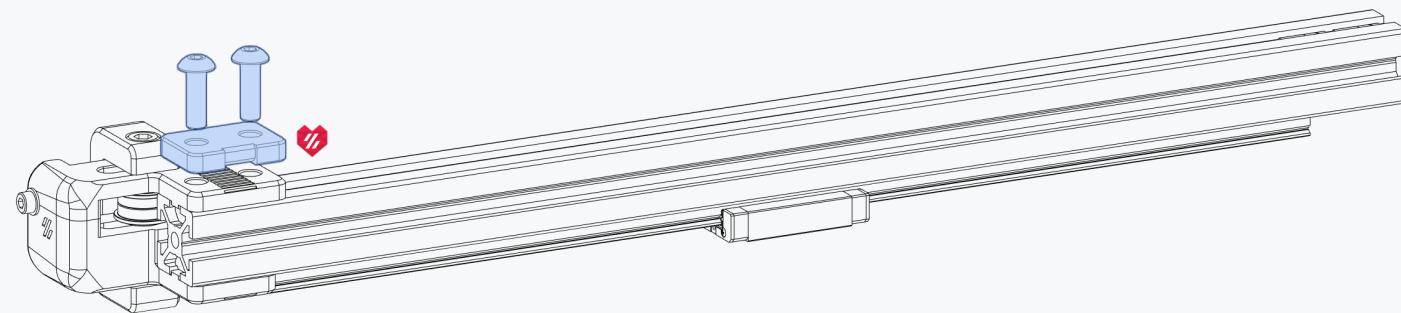


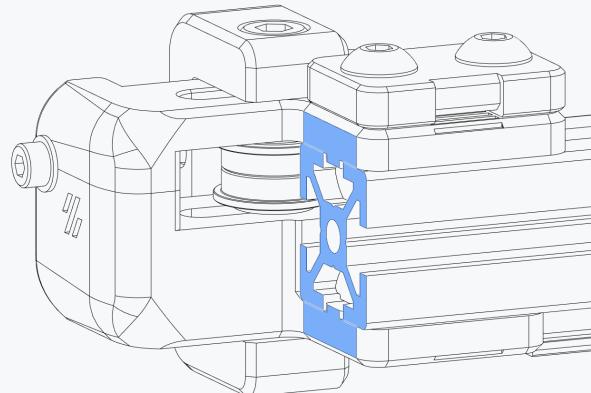
Y AXIS



5MM HOLES ON TOP

Make sure to use the idler that has 2 holes for M5 bolts in the top when oriented as shown.

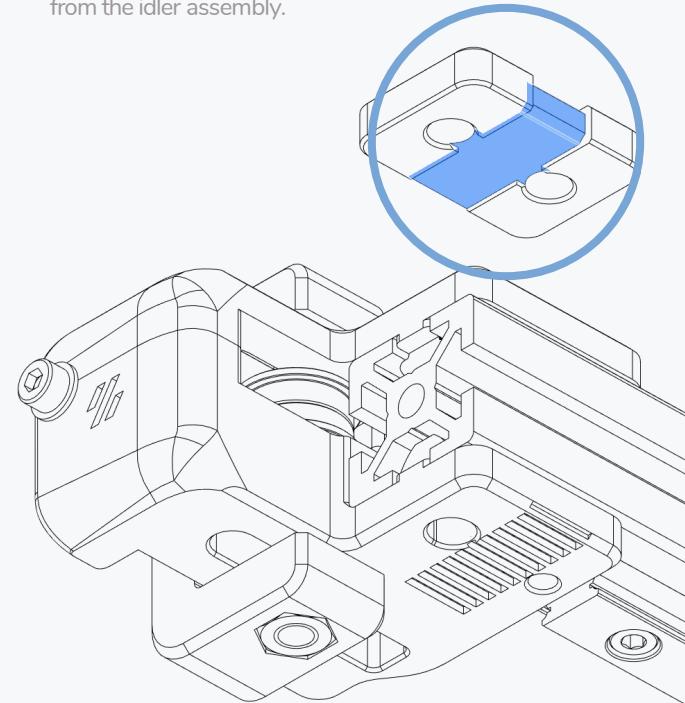


**FLUSH INSTALL**

Make sure the plastic part sits flush with the end of the extrusion. If not flush check if you installed the correct idler.

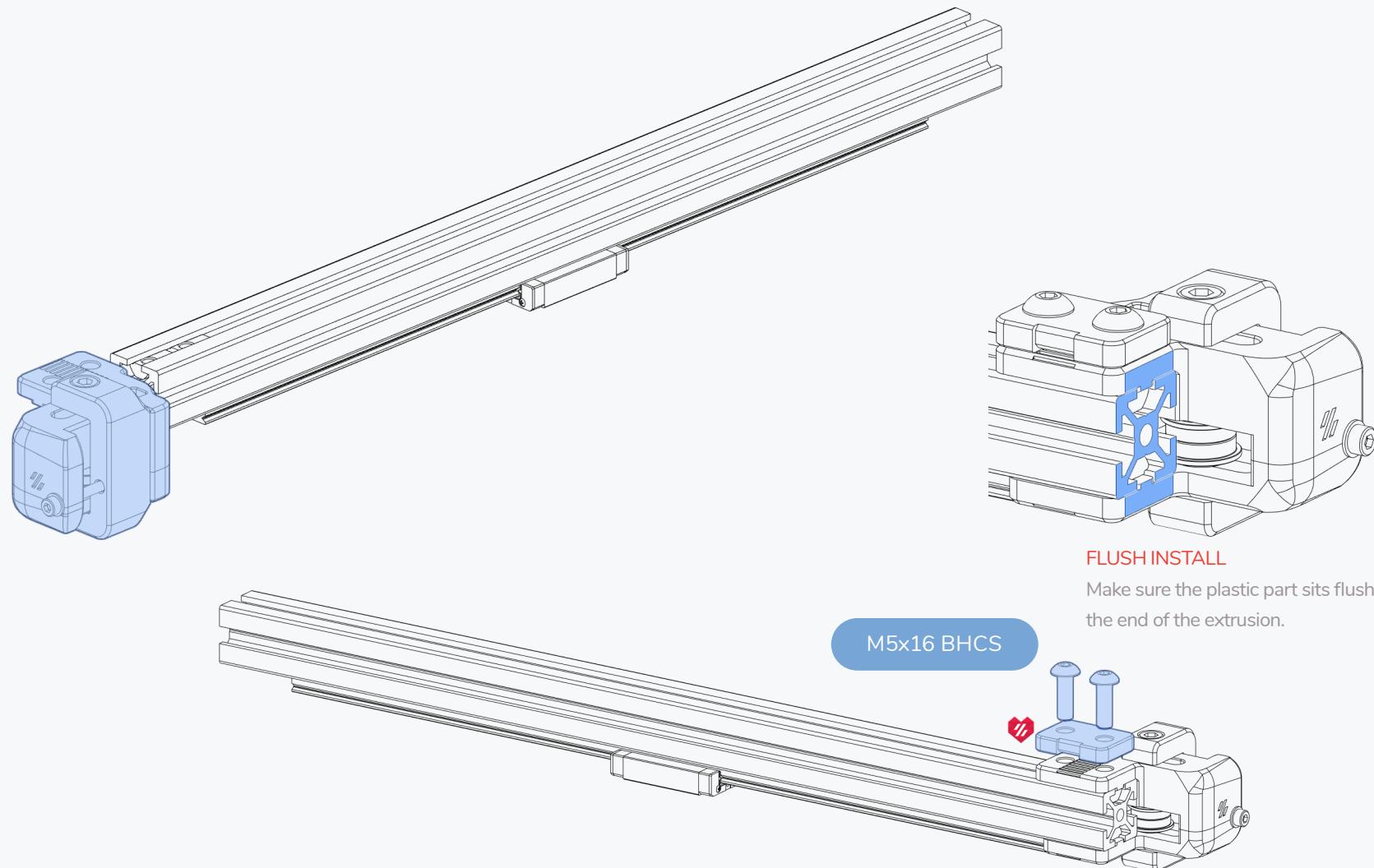
NOTCH ORIENTATION

The indentation along the part is designed to clamp on the belt. The notch points away from the idler assembly.



Y AXIS

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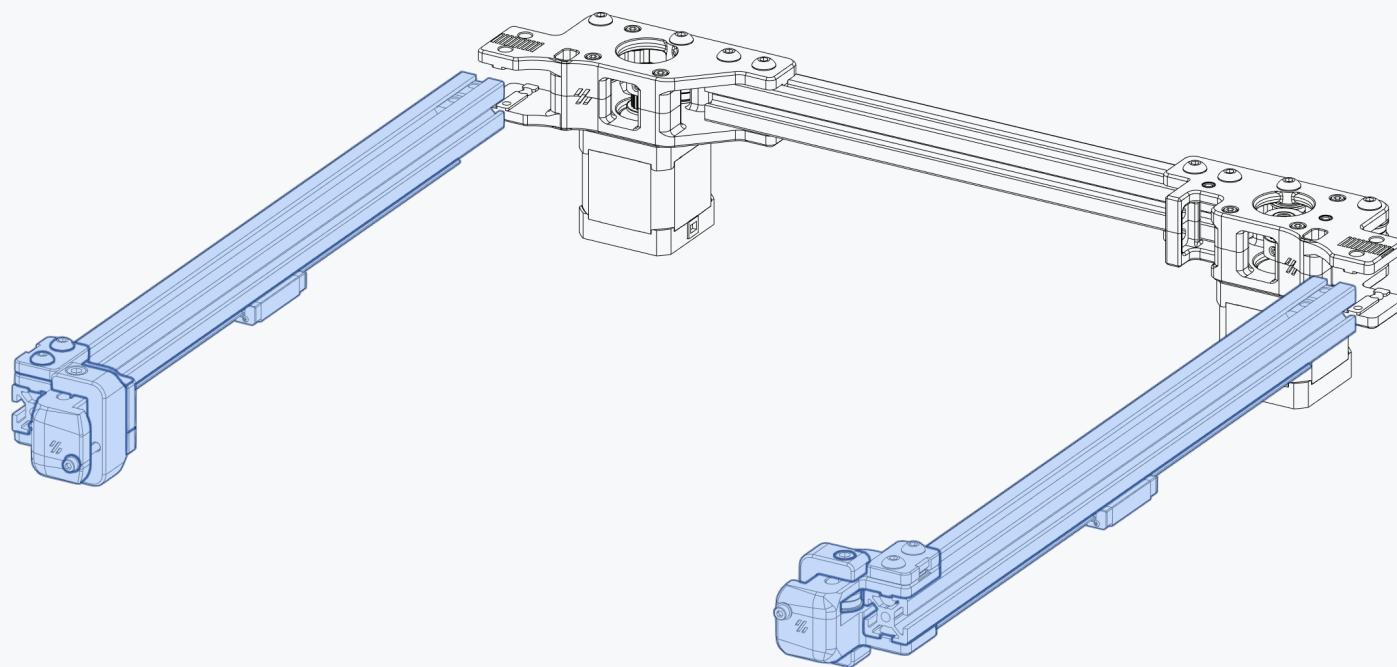
FLUSH INSTALL

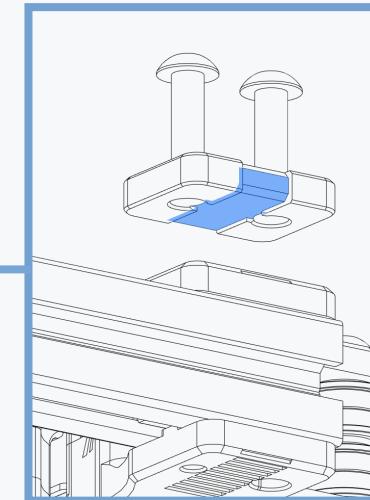
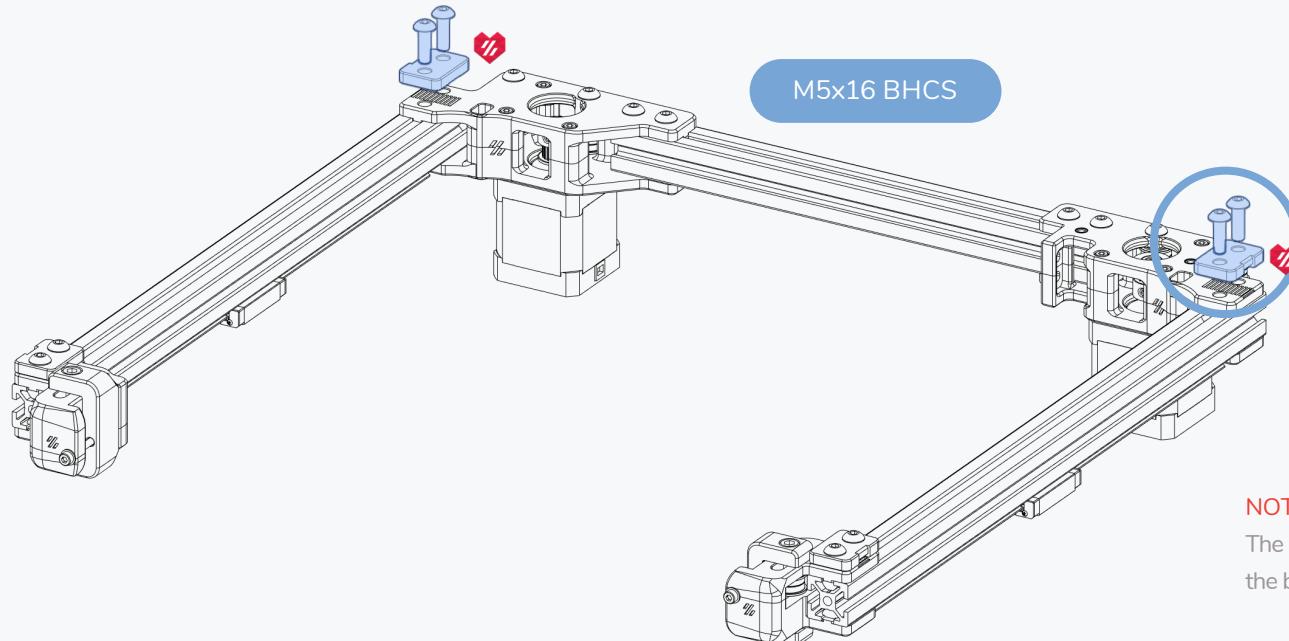
Make sure the plastic part sits flush with the end of the extrusion.

M5x16 BHCS

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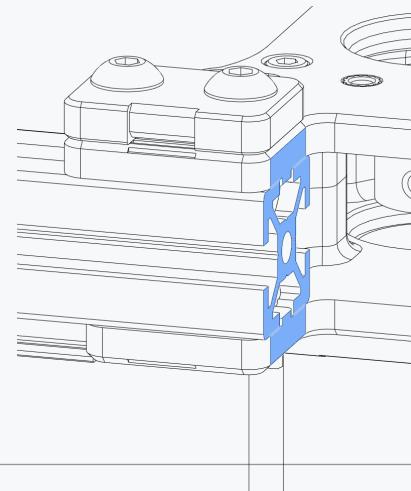


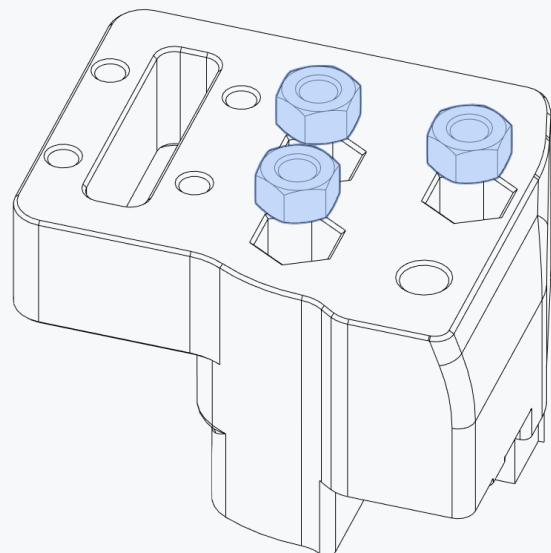
NOTCH ORIENTATION

The indentation along the part is designed to clamp on the belt. The notch points away from the drive assembly.

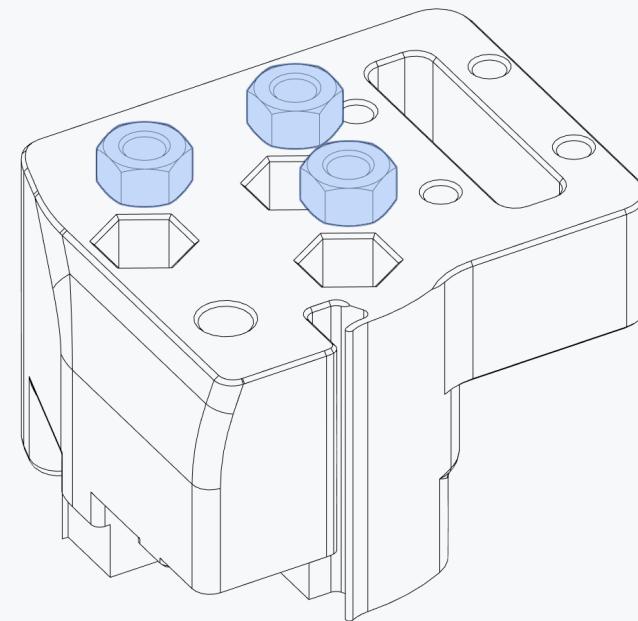
FLUSH INSTALL

Make sure the plastic part sits flush with the end of the extrusion.

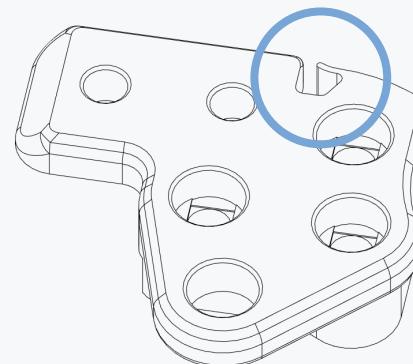




M5 Nut

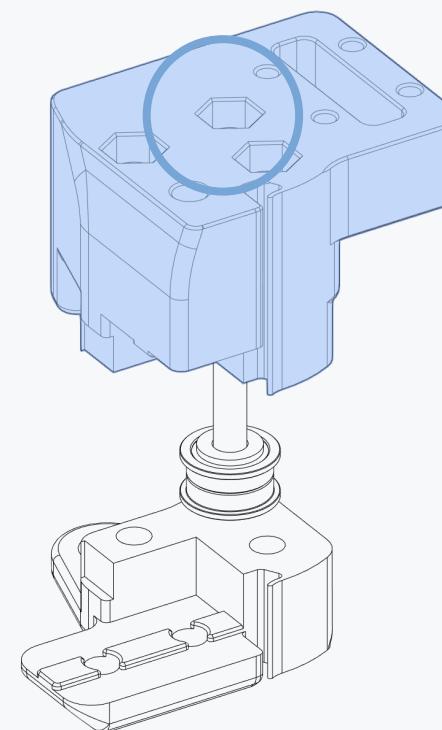
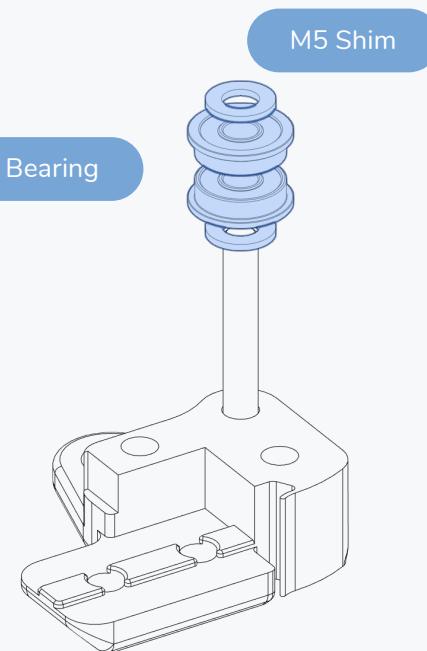
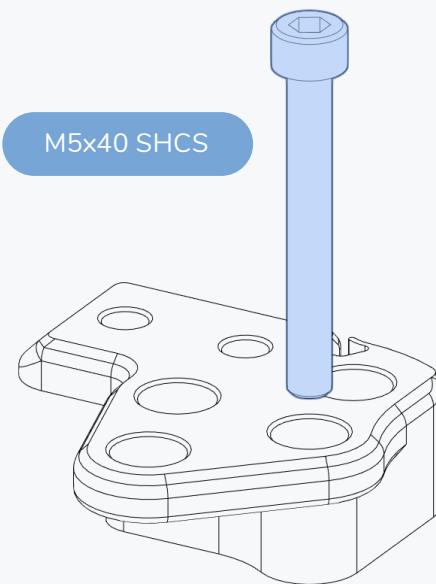


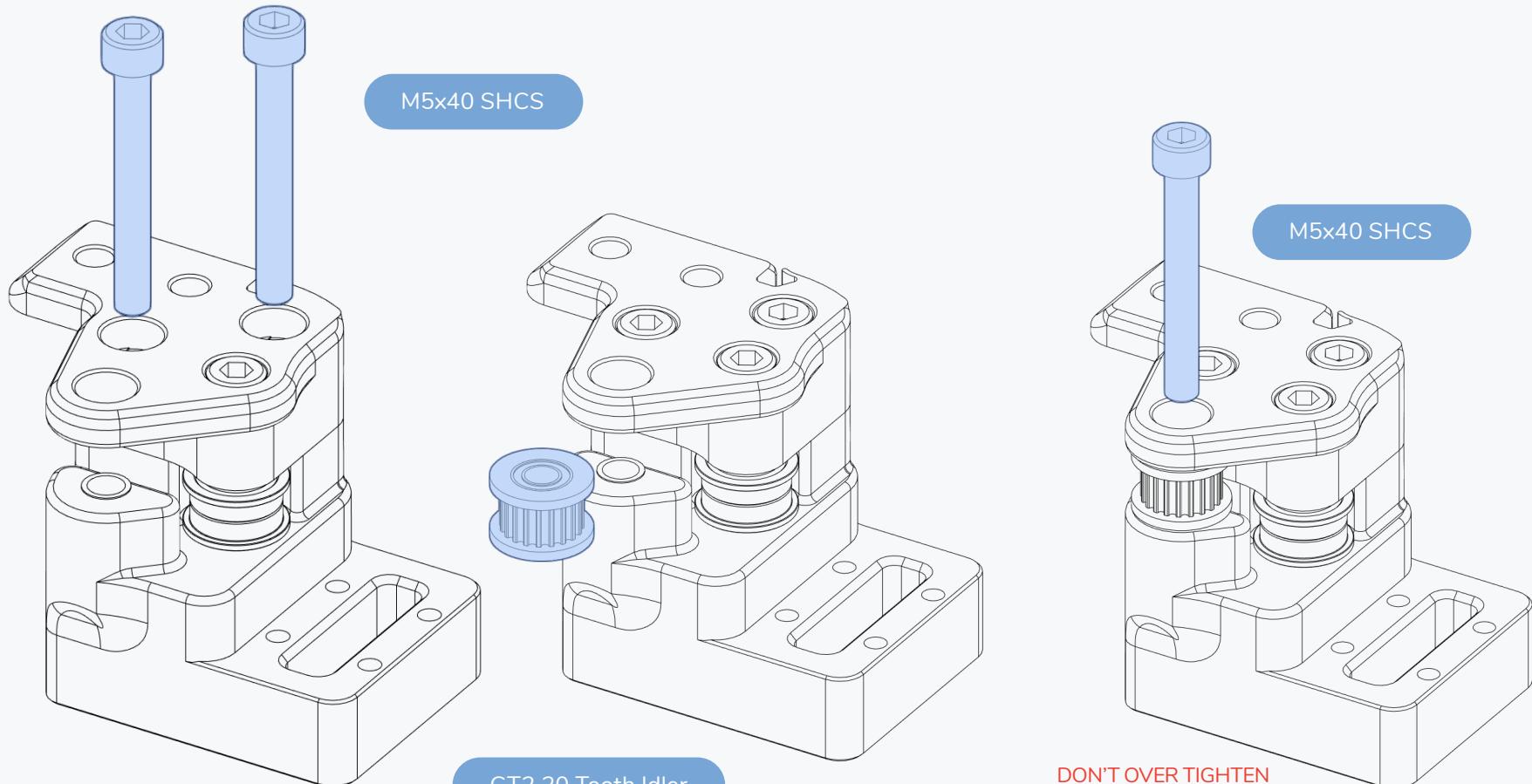
RIGHT XY JOINT



CABLE PATH

The printed parts for the right XY joint have a small channel to guide the end stop wires..





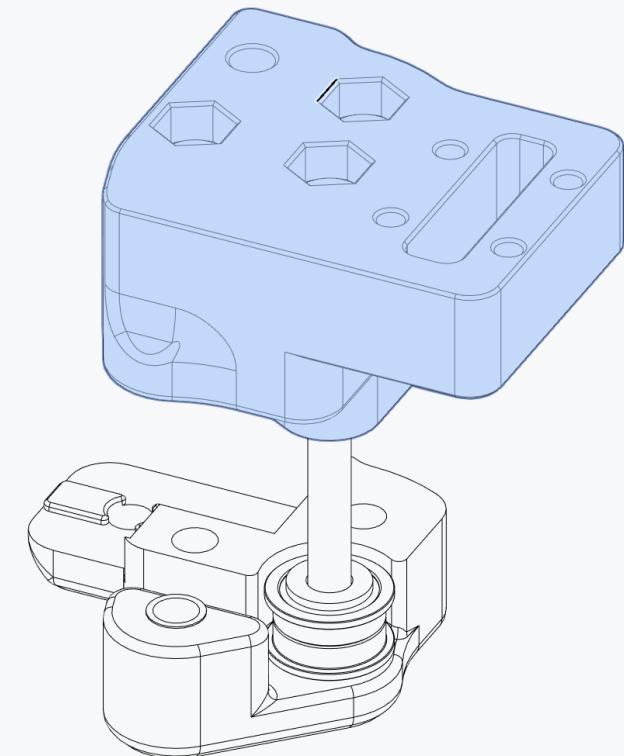
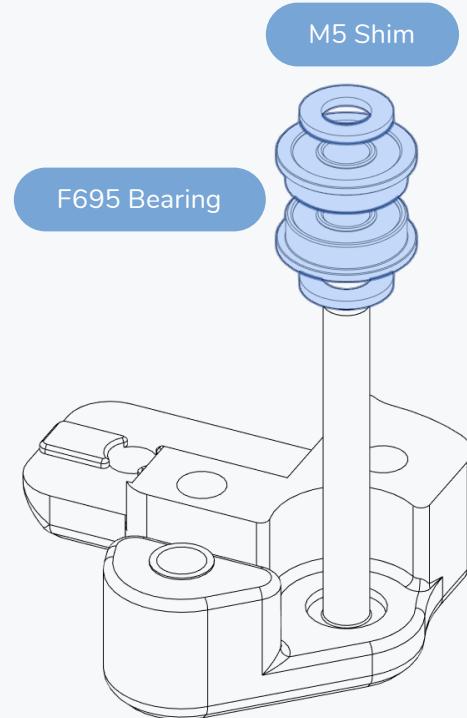
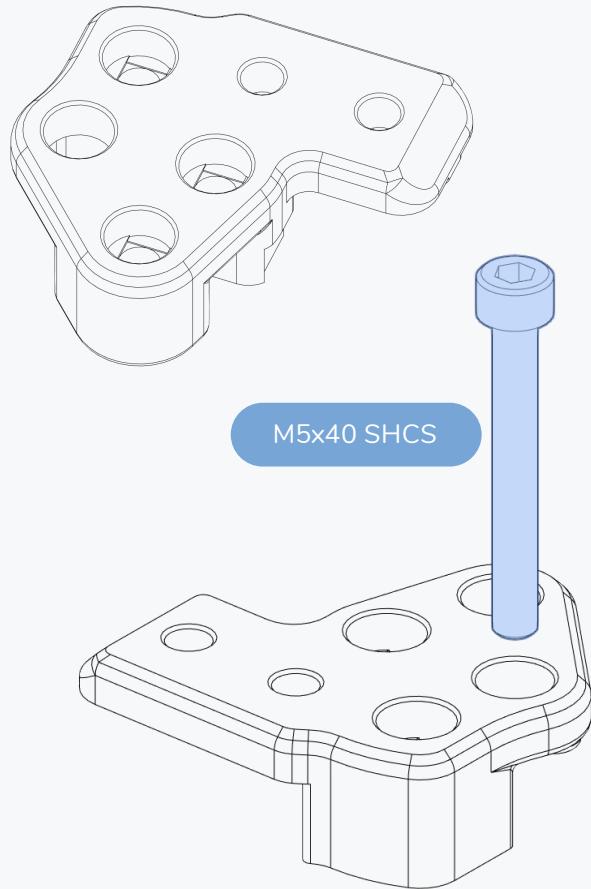
DON'T OVER TIGHTEN

The bolt is used to position the idler and is screwed directly into plastic.

The idler must spin freely.

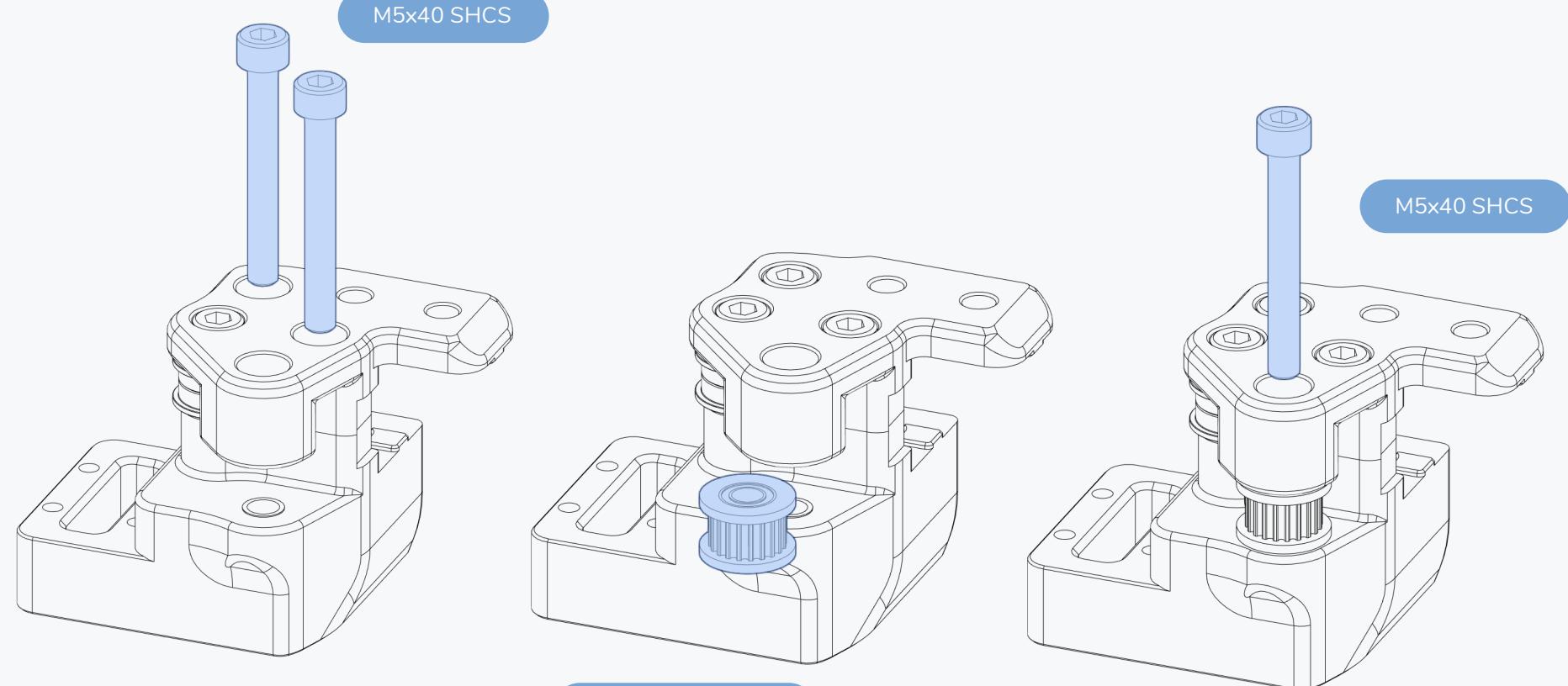
LEFT XY JOINT

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LEFT XY JOINT

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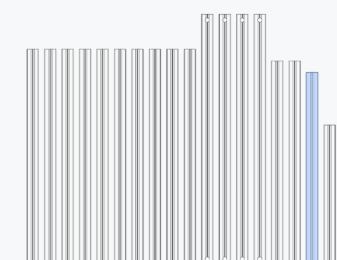
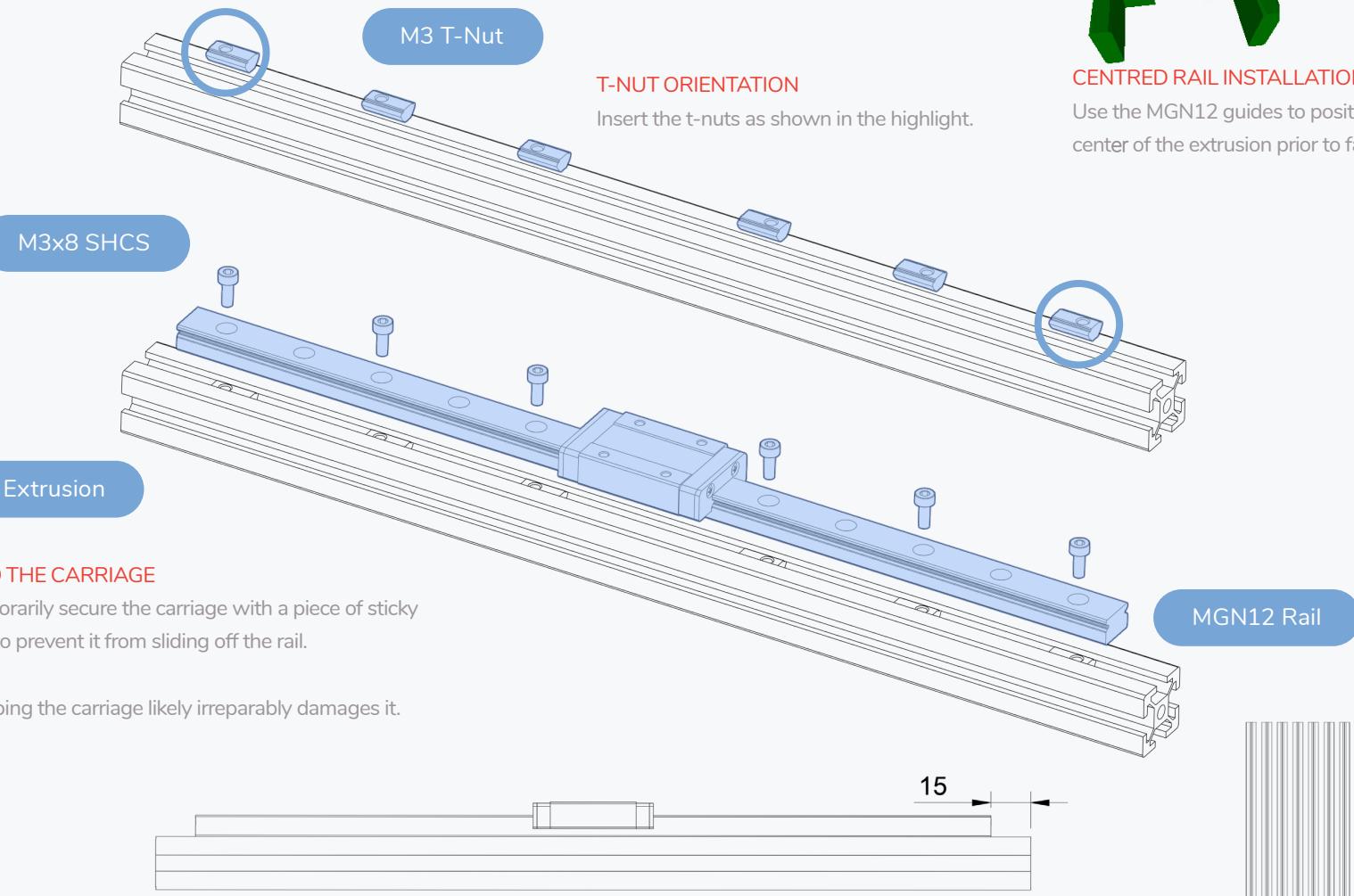


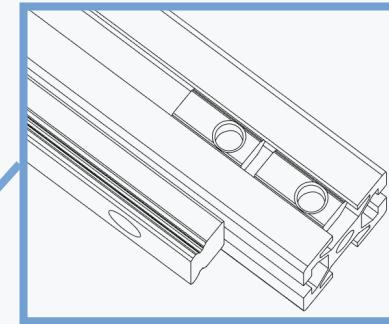
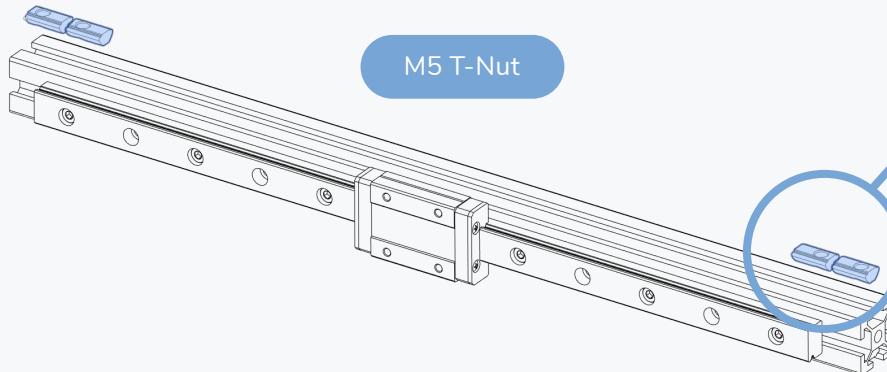
GT2 20 Tooth Idler

DON'T OVER TIGHTEN

The bolt is used to position the idler and is screwed directly into plastic.

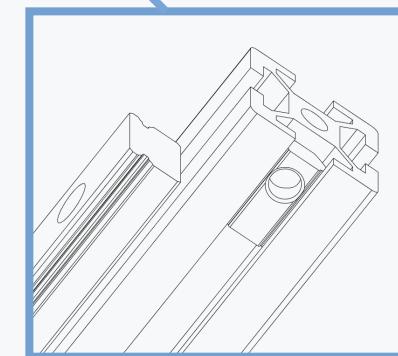
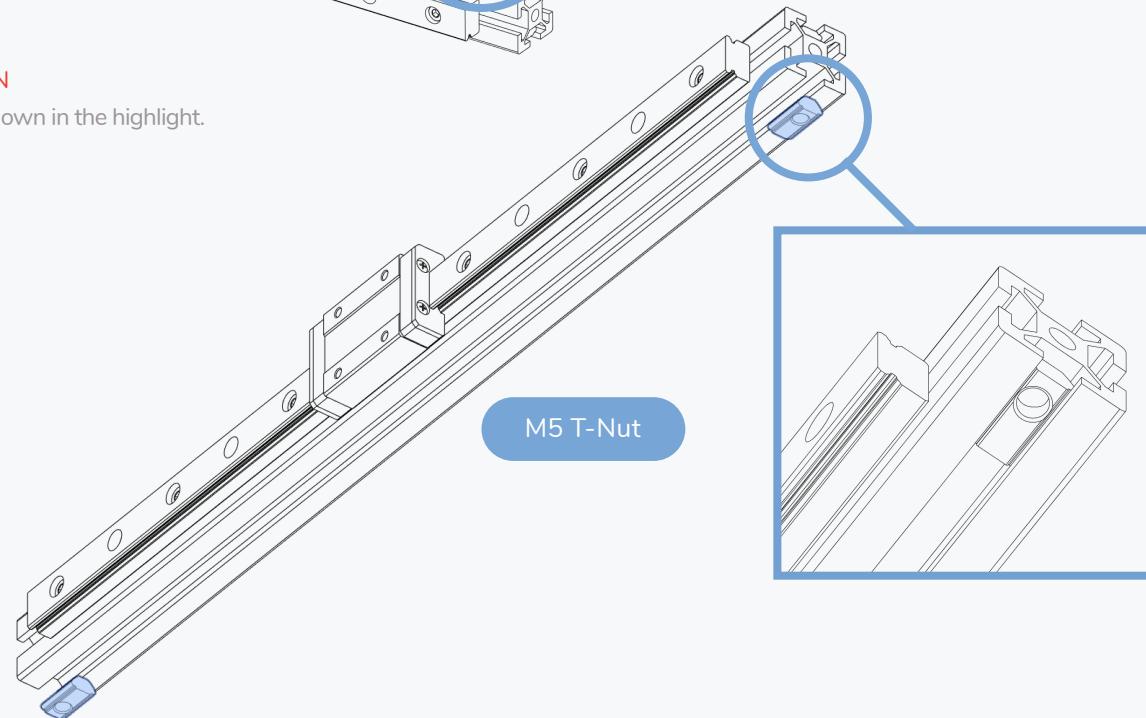
The idler must spin freely.





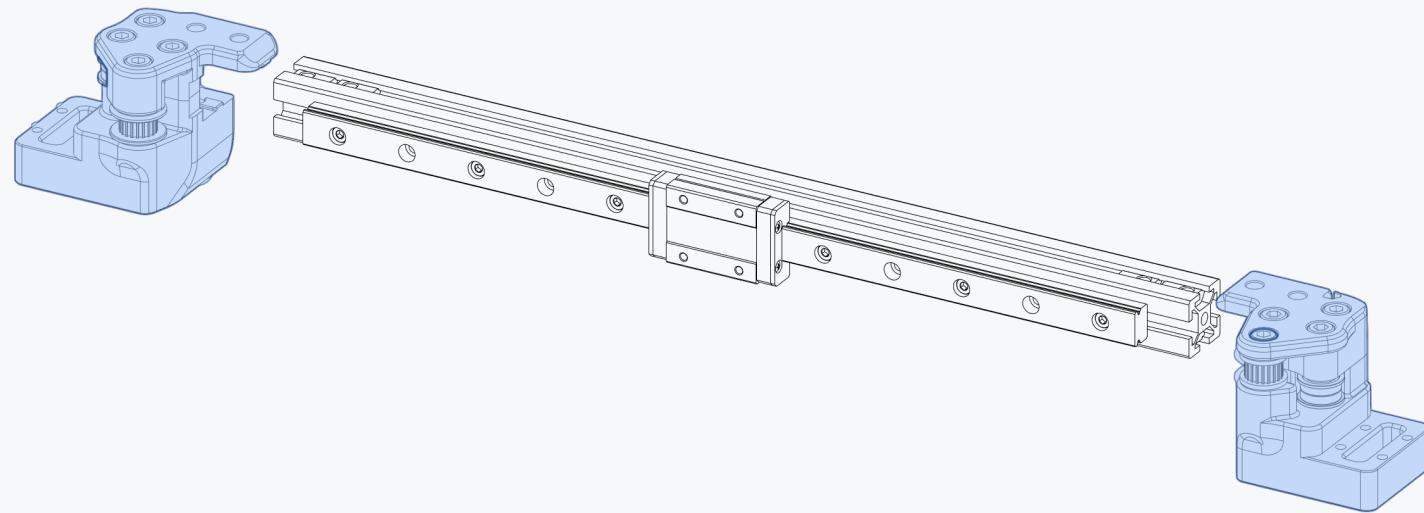
T-NUT ORIENTATION

Insert the t-nuts as shown in the highlight.



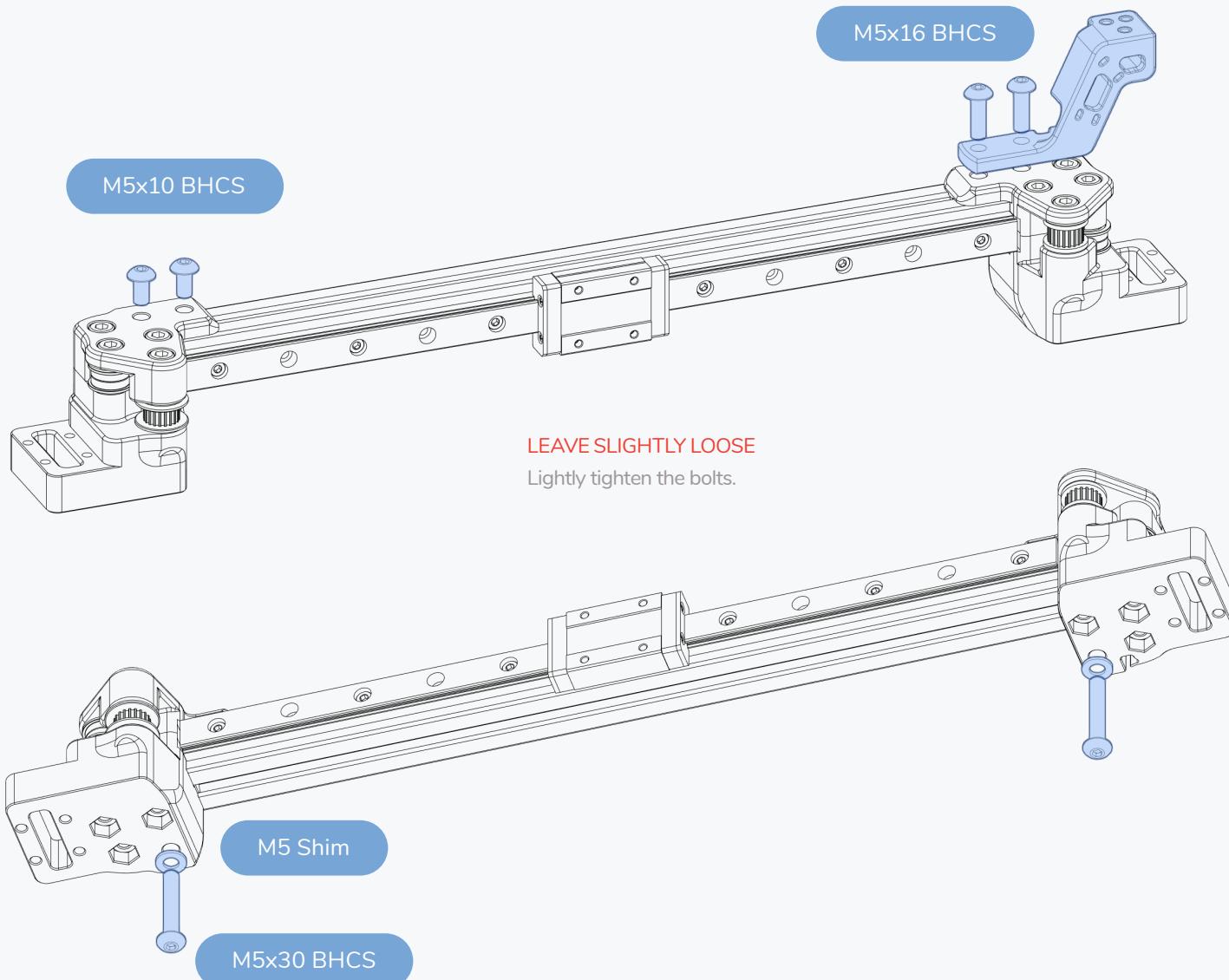
X AXIS

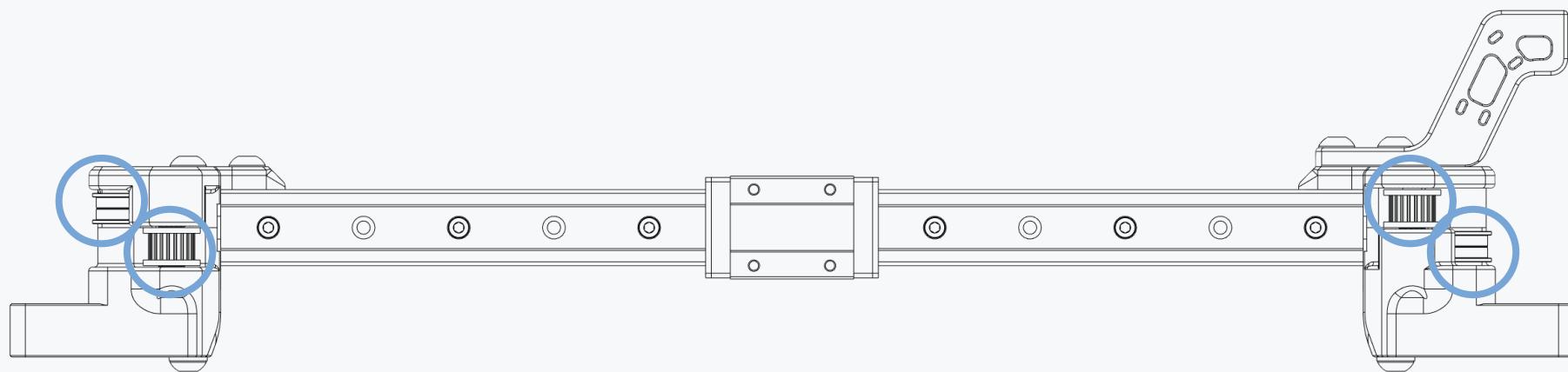
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X AXIS

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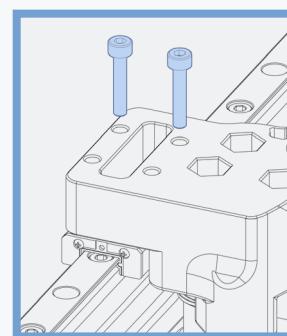
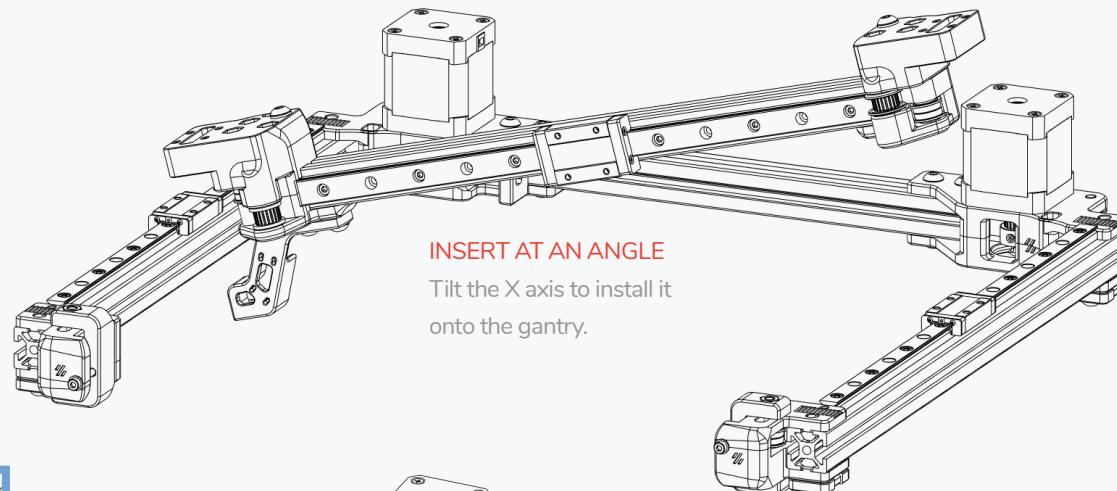
**CHECK YOUR WORK**

Compare your assembled part to the graphic shown here.

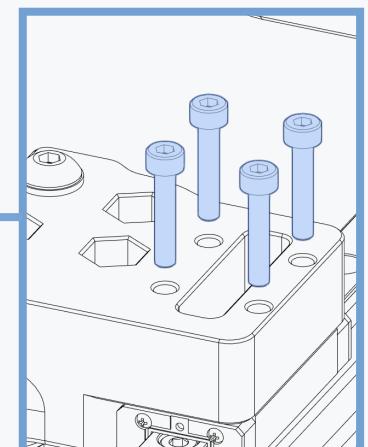
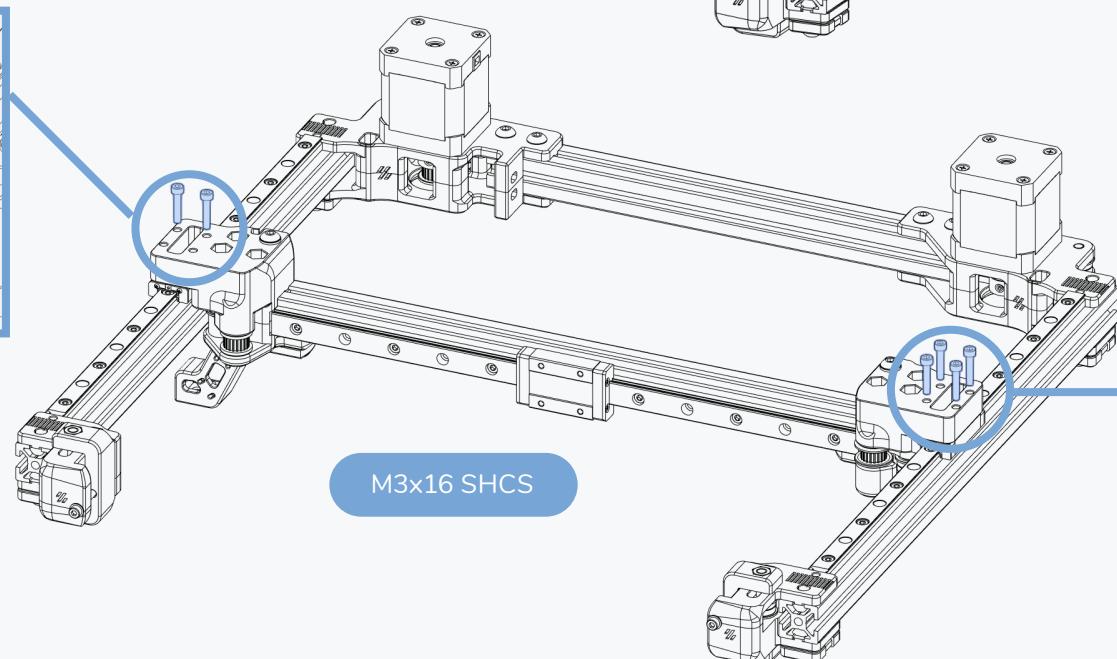
Pay attention to the pulley orientation and alignment with the bearing stack ups.

FLIP GANTRY

Turn the gantry around for the next step.

**2X BOLT ONLY**

The remaining bolts will be installed during the end-stop installation.



V1 and V2 are not version numbers but the printer models/lines. We renamed the V1 to Voron Trident to address the confusion this caused.