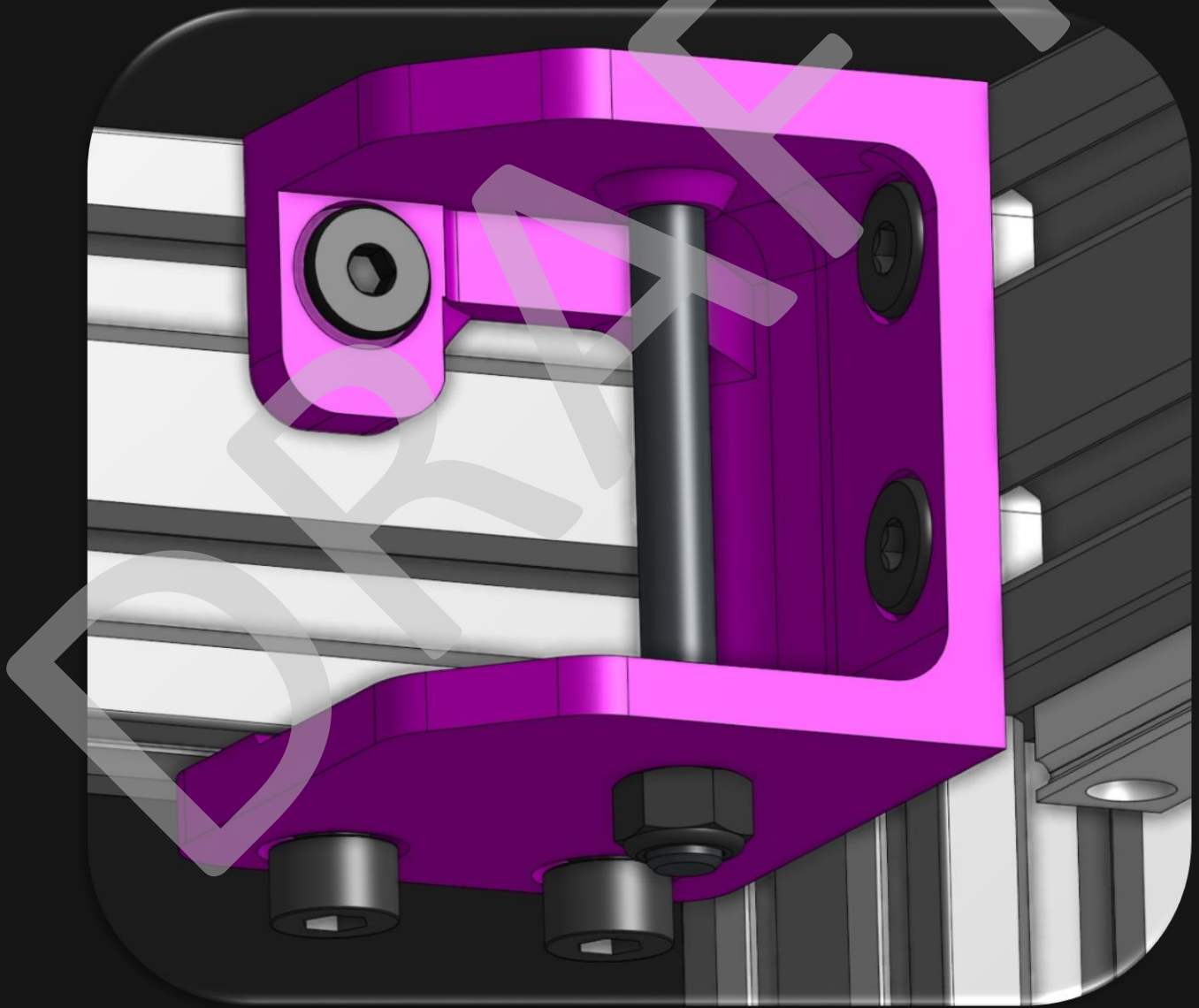


# Gutter Rat GR9

## Front Idler Assembly & Materials

*Mellow VCORE 3 Version*



## Parts and Hardware

You need both left and right, the assembly process is the same for both.

For Each Side

### Hardware:

2x Non-Toothed Mellow VCORE 3 Idlers

4x M5x8mm Screws

4x M5 T-Nuts

1x M5x50mm Screw

1x M4x16mm Screw

1x M4 Washer

1x M5 Lock Washer (or Loctite)

1x M5 Washer

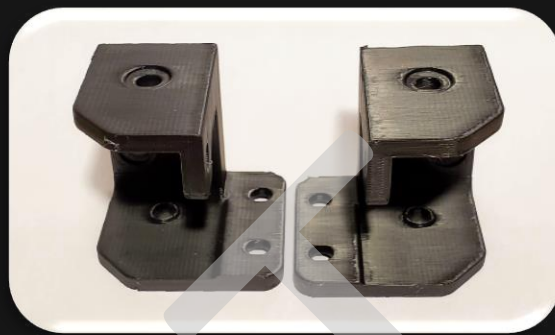
1x M5 Nut

### Printed Parts:

Left or Right Printed Front Idler Bracket

1x 7mm Printed Spacer (5mm I/D, 6mm O/D)

2x 1mm Printed Spacers (5mm I/D, 6mm O/D)



## Assembly

You may wish to first attach the two vertically oriented M5x8 screws before proceeding. It can be challenging to insert these once the idlers are in place. Secure these screws by loosely attaching a M5 T-Nut to them so they don't fall out during the rest of the assembly.

Next, assemble the idlers and spacers inside the bracket. Insert the M5x50 screw and flat washer from the top of the bracket, and slide the idlers and spacers onto the threaded portion of the M5 screw in the following order:

*Top to Bottom –*

7mm Spacer

Idler

1mm Spacer

Idler

1mm Spacer (This final spacer can be tricky; tweezers may help guide it)



Secure the assembly from the bottom of the bracket using a M5 lock washer and M5 nut, or a M5 flat washer and Loctite. Either option seems to work well. Tighten the nut while using an Allen wrench on the other end of the screw, while holding the nut with pliers. Tighten gently until the idlers no longer are able to freely move up and down the assembly, but not so tight that you create drag on the idlers.



Once you are satisfied with the assembly, secure the bracket to the corresponding front corner of your frame using two additional M5x8 screws and T-Nuts (for a total of 4). You should also now have the final mounting hole aligned with an existing threaded hole in the top front rail of your frame. You should secure this into the frame using the M4x16 Screw and a M4 washer.



**Important:** Slowly secure each screw to ensure proper engagement of the T-Nuts into the extrusion channels, and to avoid undue stress on the bracket. Tighten each screw a couple of turns and move on to another. Do not fully tighten any one screw all at once. Do not overtighten, just good and snug.



(Installed Front Right Idler Bracket)