

Repkord

RepRack TT Filament Storage Solution.

How to assemble the RepRack TT Filament Storage Solution.

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TOOLS:

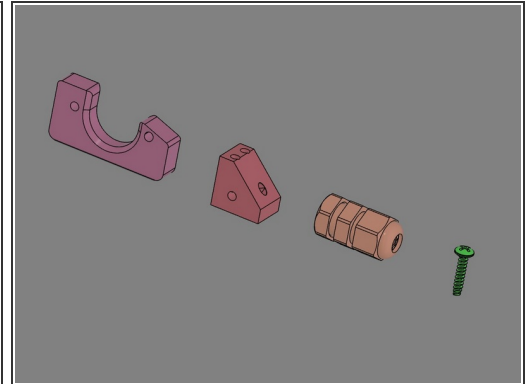
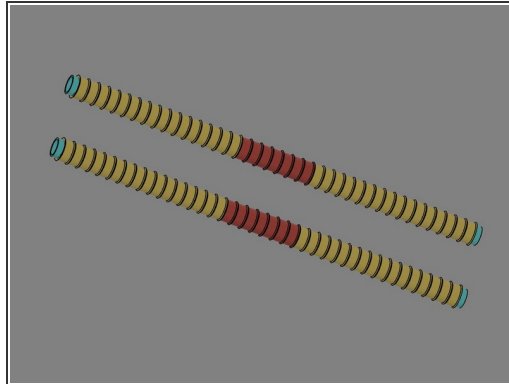
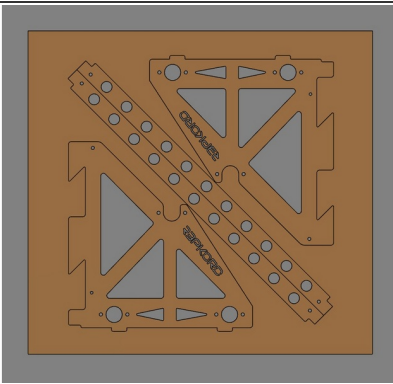
- [Phillips Head Screwdriver](#) (1)
- [Flush Cutters](#) (1)
- [Clean & Flat Surface](#) (1)

Step 1 — The completed rack solution.



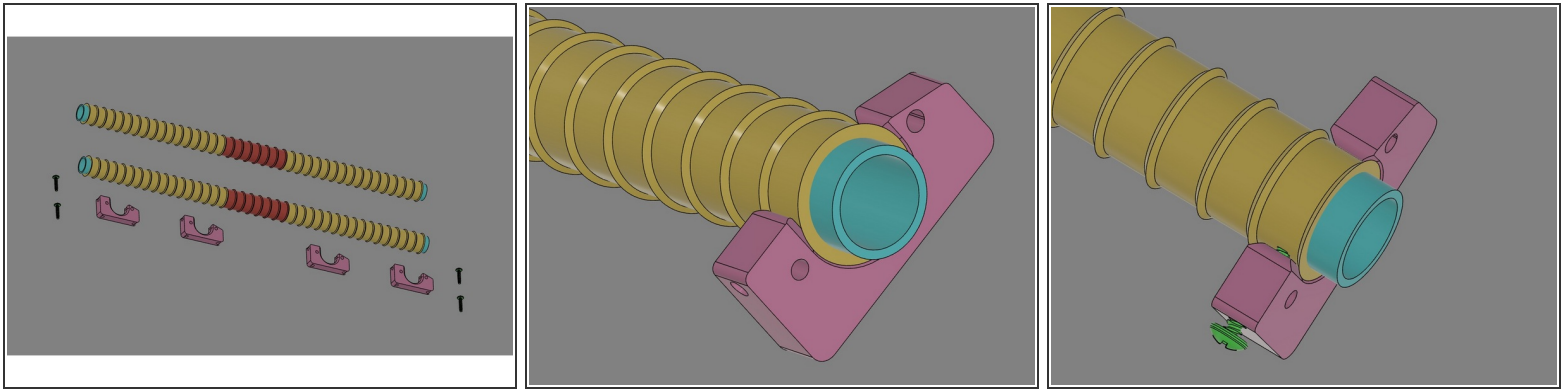
- **IMG 1** - This is the completed rack assembly (side/front view).
- **IMG 2** - This is the completed rack assembly (side/back view).

Step 2 — Parts included in the kit.



- **IMG 1** - The laser cut parts panel containing x2 *Rack Sides* and x2 *Cross Rails*.
- **IMG 2** - x2 Glide Rail Assemblies.
- **IMG 3** - x4 *Rod Clamps*, x4 *Corner Brackets*, x5 *Exit Fittings* and x20 *16mm TF Screws*.

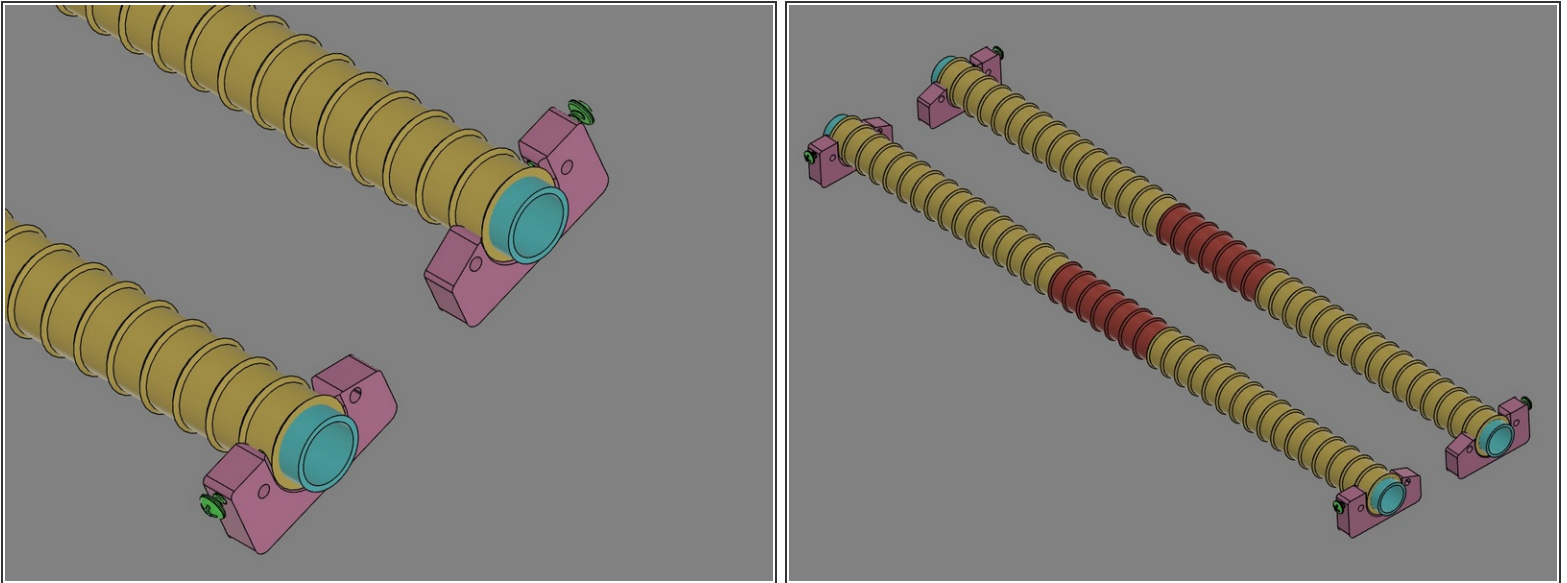
Step 3 — Adding a Rod Clamp to the Glide Rails.



 **Do Not Use Power Tools for assembly.**

- **IMG 1** - Located the *Glide Rails*, x4 *Rod Clamps* and x4 *16mm TF Screws*.
- **IMG 2** - Slide one of the *Rod Clamps* onto one of the *Glide Rails*. The *Rod Clamp* will have light press fit onto the *Glide Rail*.
- ⓘ **IMG 2 cont.** - The protruding chamfer on the glide will fit into the recessed chamfer in the *Rod Clamp*.
- **IMG 3** - Install a *16mm TF Screw* into the *Rod Clamp*. Carefully thread this screw into the *Glide* just tight enough to hold the *Rod Clamp* to the *Glide Rail*. In a later step, some final adjustments will be made before securing the *16mm TF Screw*.

Step 4 — Adding more Rod Clamp to the Glide Rails.



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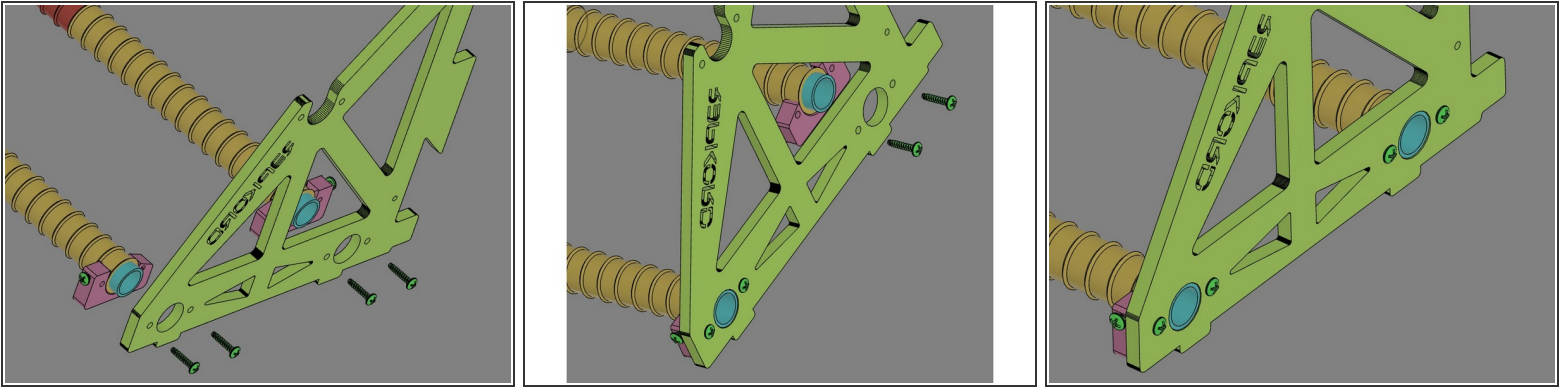
- **IMG 1** - Repeat the process and install a second *Rod Clamp* and *16mm TF Screw* to the other *Glide Rail*.

⚠ NOTE how this second *Rod Clamp* is oriented differently from the first one. Confirm their orientations before continuing.

- **IMG 2** - Repeat this process again with the remaining x2 *Rod Clamps* on the far ends on the *Glide Rails*.

⚠ NOTE - Confirm that the orientations of all *Rod Clamps* are correct per **IMG 2**.

Step 5 — Connecting the Glide Rails to one Rack.



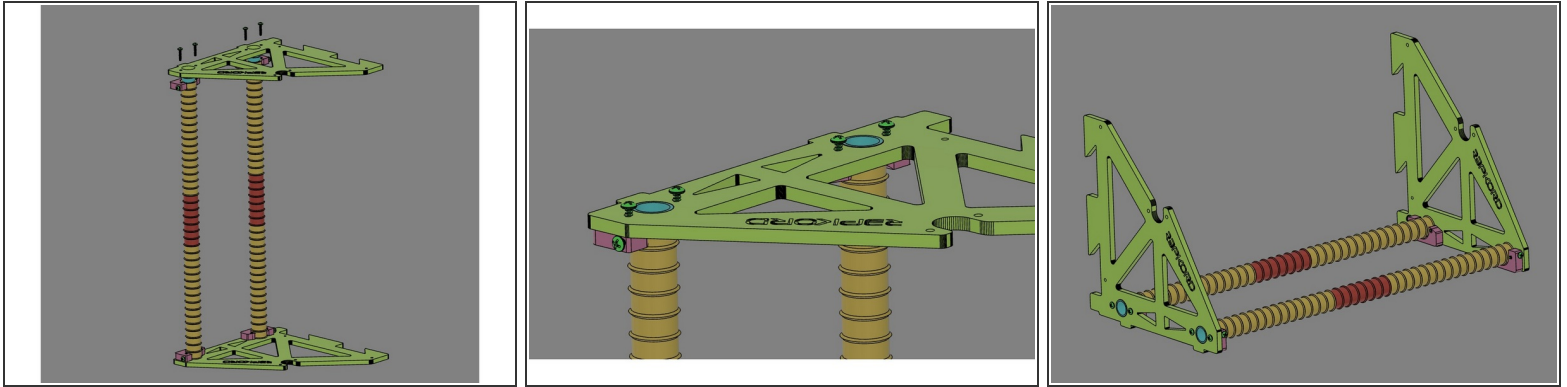
⚠ Do Not Use Power Tools for assembly.

- **IMG 1** - The metal tubes inside the *Glide Rails* will index into the large circular openings of the *Racks*.



⚠ Note the orientations of the of the *Rod Clamps*. They must be orientated as shown.

- **IMG 2** - Locate x2 *16mm TF Screws*. Insert the *Glide Rail* into the *Rack* and secure them together with the screws that pass though the *Rack* and into the *Rod Clamp*. Seat these screws firmly.
- **IMG 3** - Repeat the process with the second *Glide Rail*.

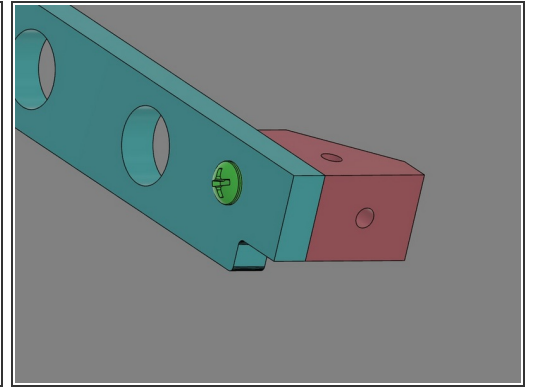
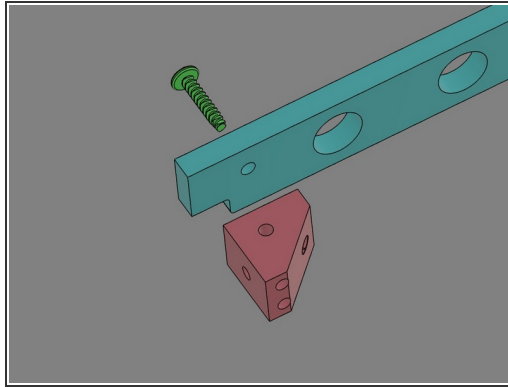
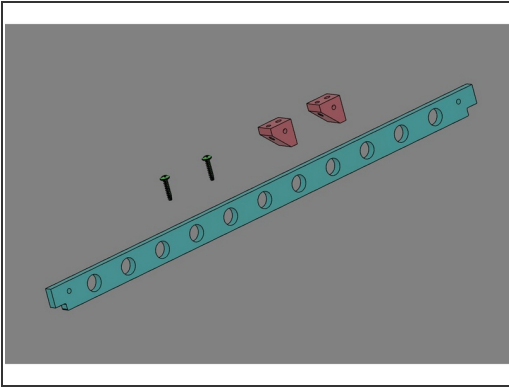
Step 6 — Adding the second Rack.



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- **IMG 1** - Adding the second *Rack* is similar to the previous step, but the *Rack* will connected to the *Glide Rails* simultaneously.
-  Standing the assembly up-right makes this step easier.
- **IMG 2** - Locate x4 *16mm TF Screws*. Lower the *Rack* down onto the *Glide rails*, insert the screws through the *Rack* and into the *Rod Clamps*.
-  Start each screw as it's inserted but don't tighten them all the way until all four screws are started. Then secure them all firmly.
- **IMG 3** - Set the assembly down flat on your work surface with the *Glide Rails* down (as shown).

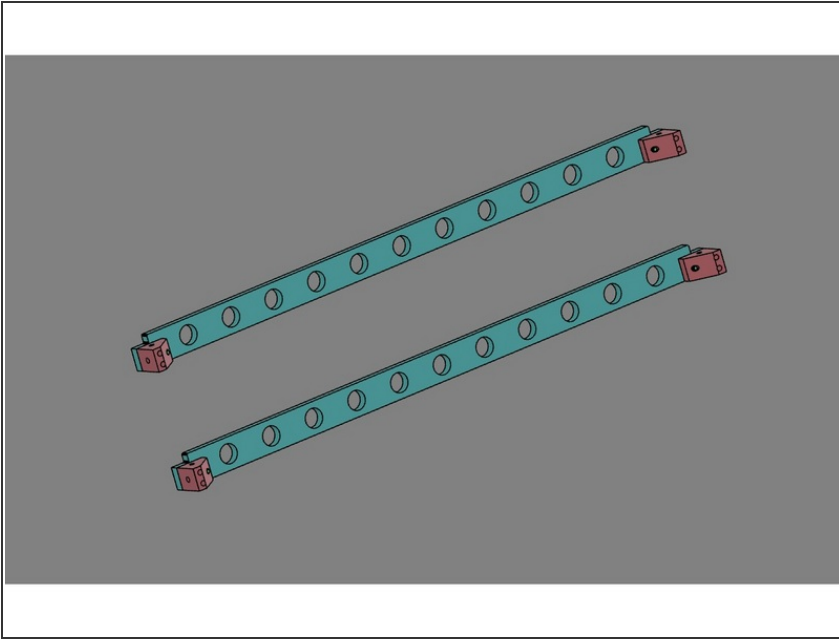
Step 7 — Assembling a Cross Rail.



 **Do Not Use Power Tools for assembly.**

- **IMG 1** - Locate one of the *Rails*, x2 *16mm TF Screws* and x2 *Brackets*.
- **IMG 2** - On one end of the *Rail* align one *16mm TF Screw* and *Bracket* as shown. The screw will pass through the *Rail* and into the *Bracket* to secure it firmly.
- ⓘ Confirm that the *Rail* and *Bracket* are oriented correctly.
- **IMG 3** - This is a view from the back side to provide an alternate view to help confirm the assembly orientation.
- Repeat this process for the other end of the *Rail*.

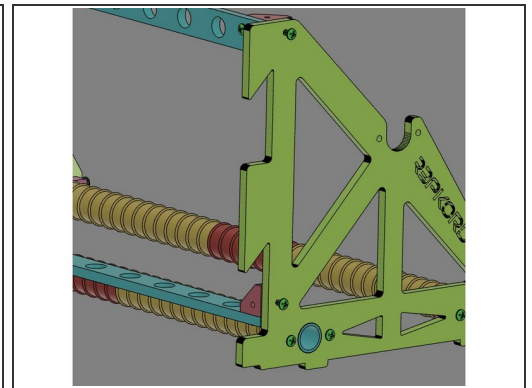
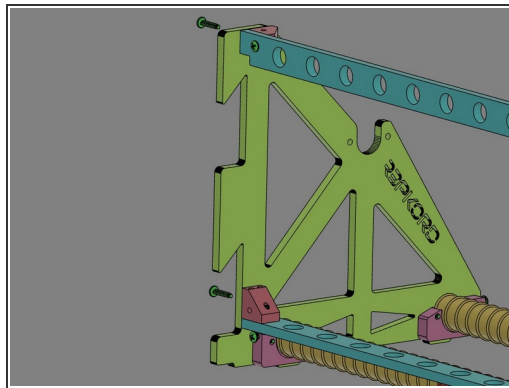
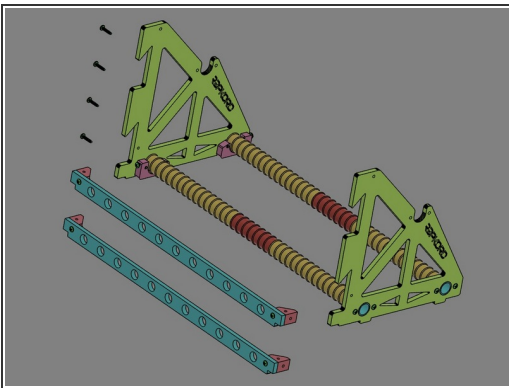
Step 8 — Assembling the second Cross Rail.



⚠ Do Not Use Power Tools for assembly.

- **IMG 1** - Assembly the second *Rail* just like the first one.
- ⓘ Confirm the *Rails* have the same assembly/component orientations.

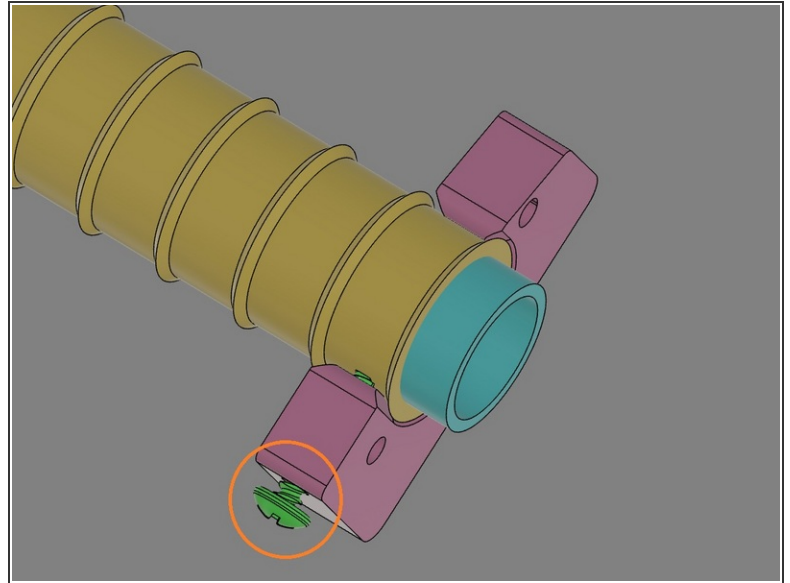
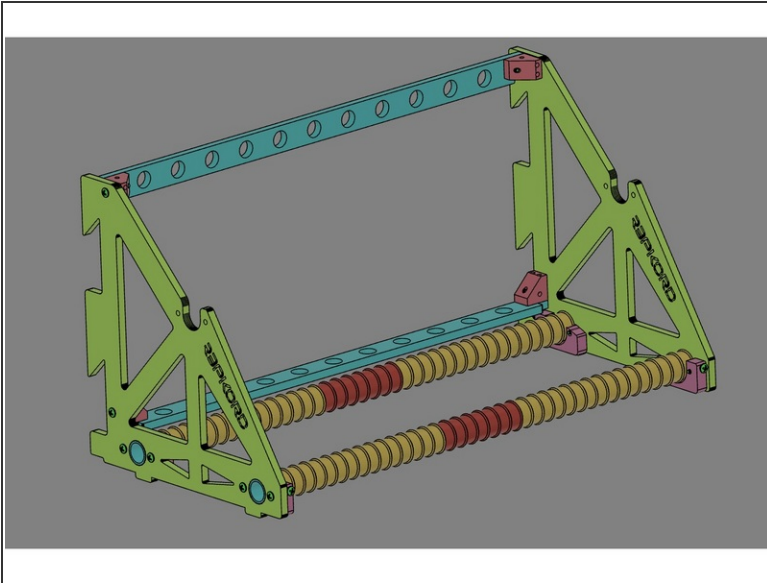
Step 9 — Attaching the Cross Rails.



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- **IMG 1** - Locate the last four *16mm TF Screws*.
- **IMG 2** - The *Rails* will be installed between the two *Racks*. Their orientation will be similar with the top *Rail* vertical while the lower *Rail* will be rotated to be horizontal.
- **IMG 3** - Insert the screws through the *Racks* into the *Brackets*. Once all four screws are started, then tighten them to secure the *Rails* as shown.

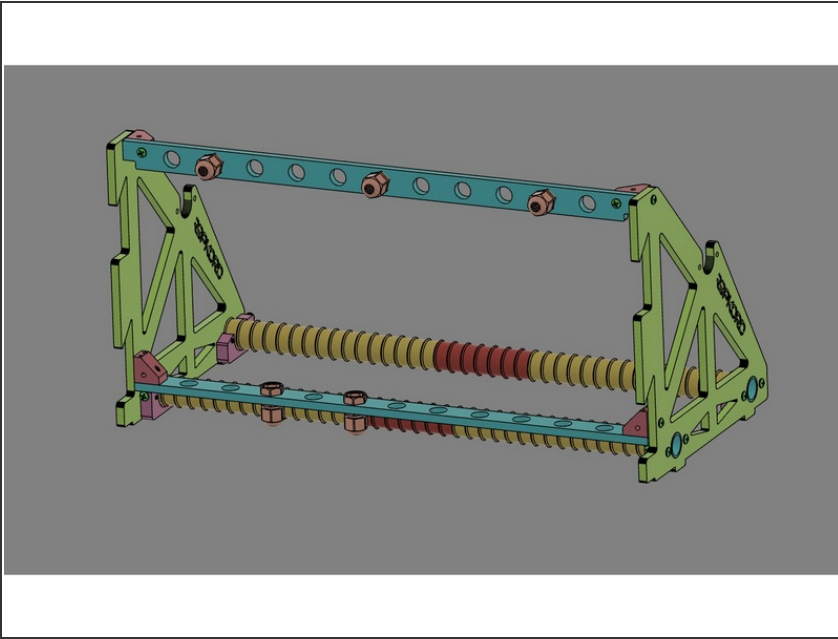
Step 10 — Final alignment.



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- **IMG 2** - Set the finished Rack on the flat work surface (as shown). Check to see if the Rack is setting flat without any twist.
- If it doesn't sit flat, loosen the four screw in the *Rod Clamps* and gently adjust the assembly to remove the twist.
- This would all be a good time to remove any excessive air gaps in the assembly. Gently compress the assembly by applying inward pressure to both *Racks* simultaneously.
- Once everything is flat and adjusted, slowly tighten the four screw in the *Rod Clamps*. Don't over-tighten them, just bring them down to a firm set.
- Complete the Rack by re-checking tightness of all other screws in the assembly.

Step 11 — Add the Exit Fittings.



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- **IMG 1** - There are six *Exit Fittings* included with the kit. They should be located as needed. If printing from inside the [TurnTable:Filament Filing Cabinet](#), the *Exit Plugs* should be on the top *Rail*. If the Rack is being wall mounted, the *Exit Fittings* should be on the lower *Rail*.