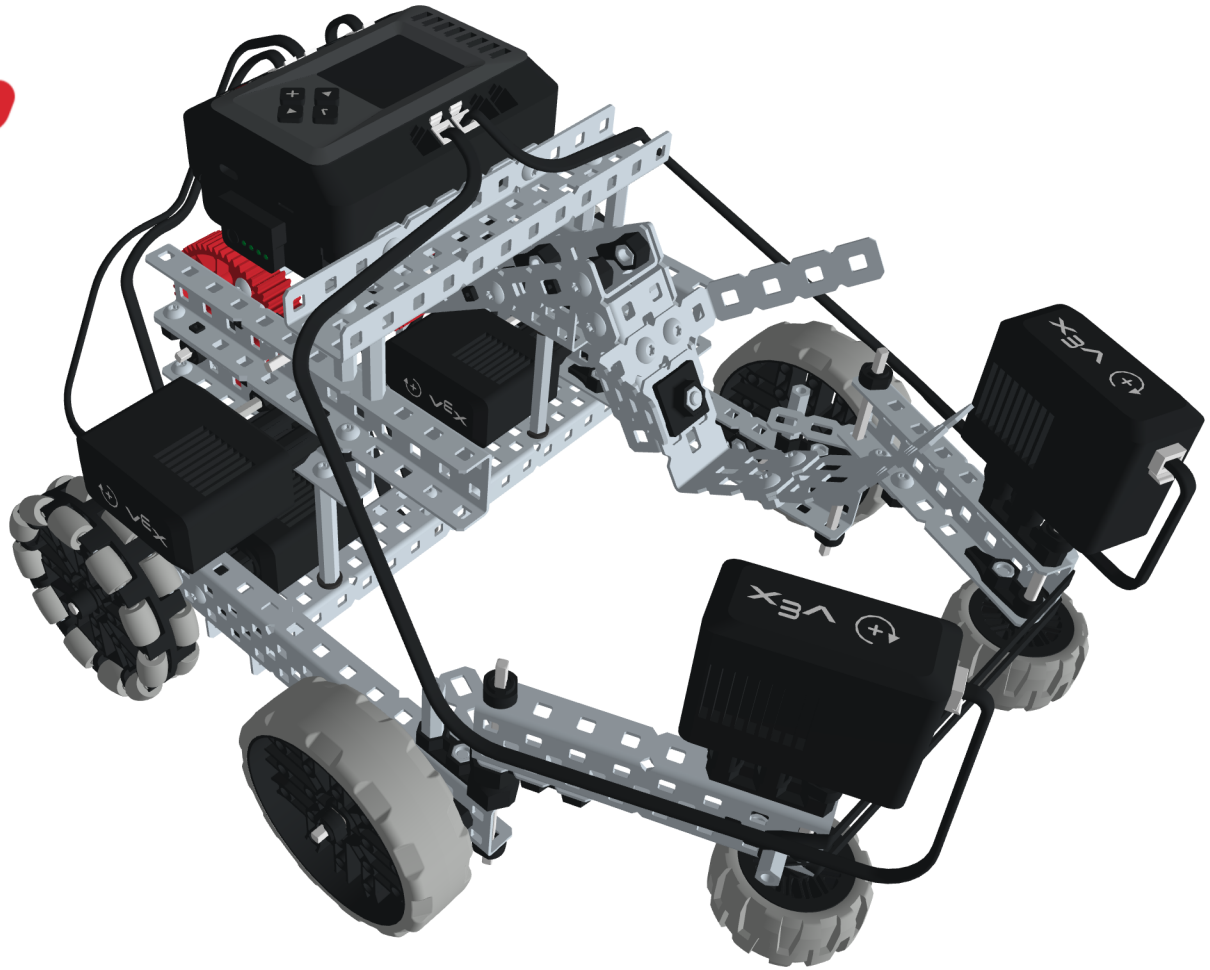
VEX EXP

3D Build Instructions



CatapultBot

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50x #8-32 Low Profile Nut



40x Star Drive Screw
8-32 x 0.250" Locking



34x Star Drive Screw
8-32 x 0.375"



14x Star Drive Screw
8-32 x 1.000"



9x High Strength Shaft Adapter
(1/8" Square Bore, 1/2" Long)



28x Rubber Shaft Collar



9x Shaft Collar Retainer
with Bearing Flat



5x Low Profile Bearing Flat



1x 4 Post Standoff Retainer



12x 1 Post Standoff Retainer



2x 1 Post Standoff Retainer
with Bearing Flat



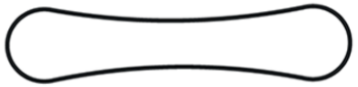
2x 200mm Smart Cable



1x 300mm Smart Cable



1x 600mm Smart Cable



5x Rubber Band



5x 0.50" Standoff



6x 1.00" Standoff



6x 2.00" Standoff



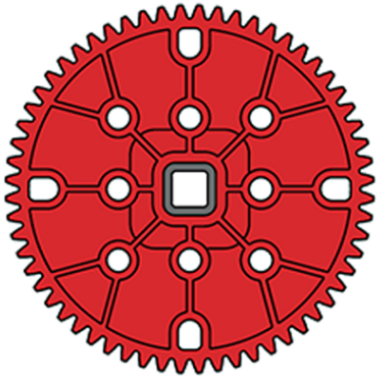
10x #8 Click-On Spacer 0.063"



1x #8 Click-On Spacer 0.125"



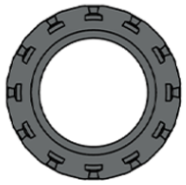
12x #8 Click-On Spacer 0.250"



2x 60T High Strength Gear



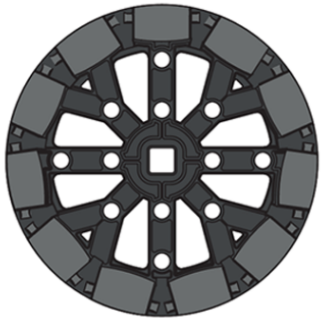
1x 12T High Strength Gear



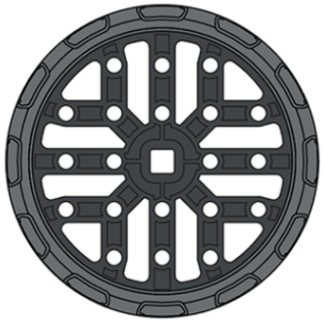
2x 1.75" Balloon Tire
(Trapezoid Offroad Tread)



2x Wheel Hub 32.2mm



2x 3.25" (260 mm Travel)
Anti-Static Omni-Directional Wheel



2x 3.25" (260mm Travel)
Anti-Static Wheel



2x 5" Shaft



4x 4" Shaft



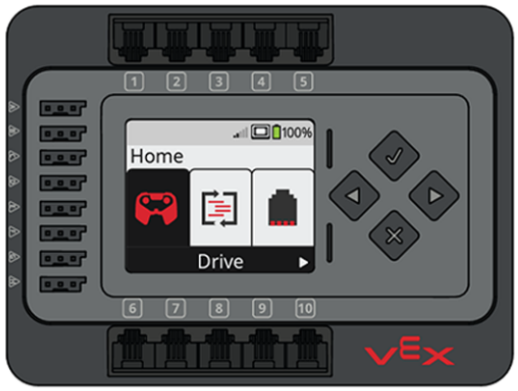
1x 3" Shaft



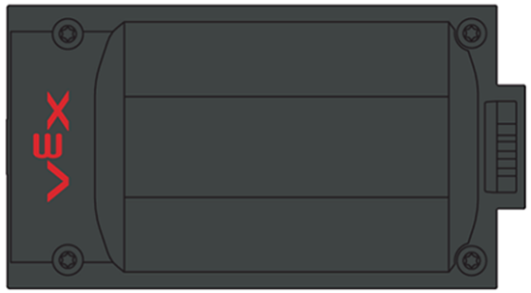
2x 2.5" Capped Shaft



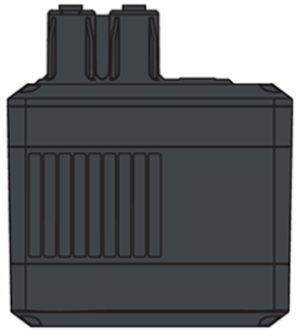
2x 2" Shaft



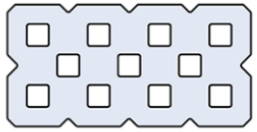
1x EXP Robot Brain



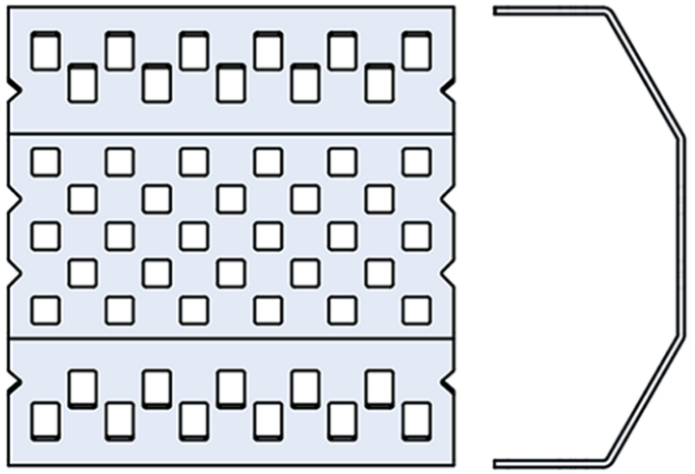
1x EXP Robot Battery Li-Ion 2500 mAh



5x V5 Smart Motor (5.5W)



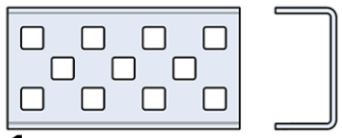
1x 2x4 Flat Beam



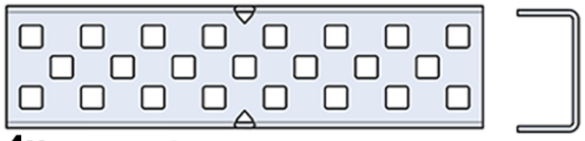
1x EXP Robot Brain Mounting Bracket



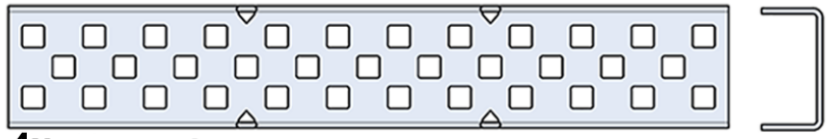
1x 1x12 Flat Beam



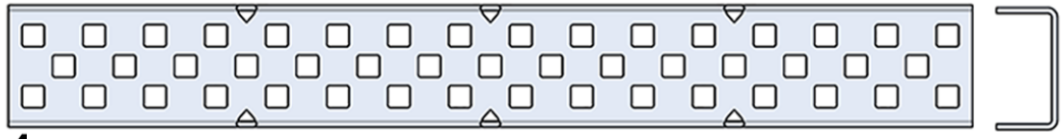
1x 1x2x1x4 Channel



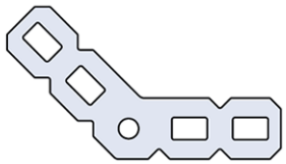
4x 1x2x1x8 Channel



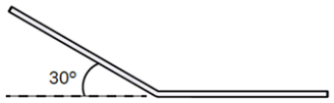
4x 1x2x1x12 Channel

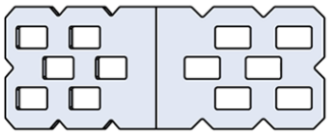


4x 1x2x1x16 Channel

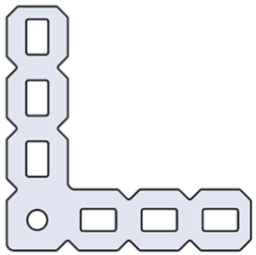


2x 45 Degree Flat Gusset

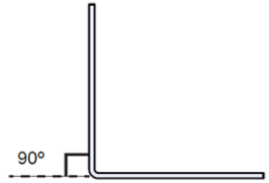


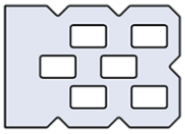


1x 30 Degree Bent Gusset



2x 90 Degree Flat Gusset

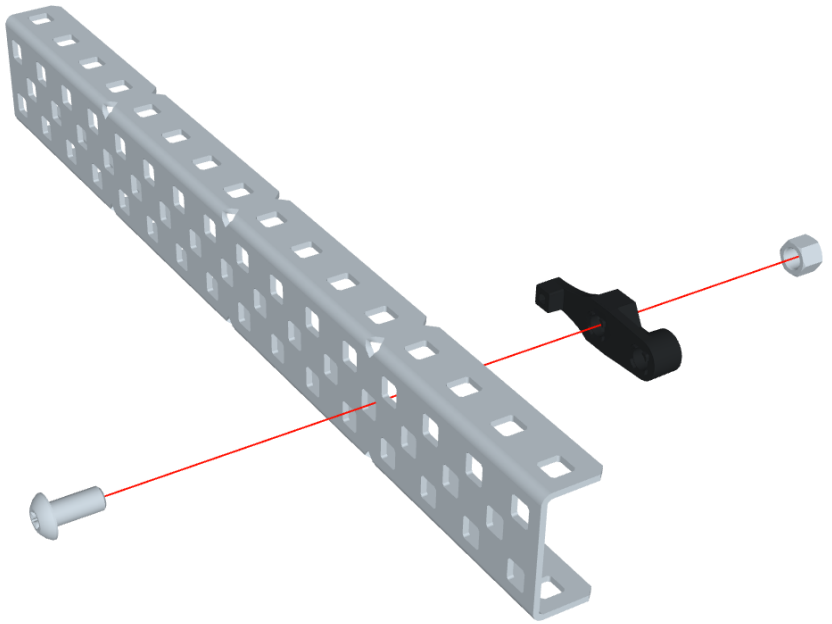




1x 90 Degree Bent Gusset

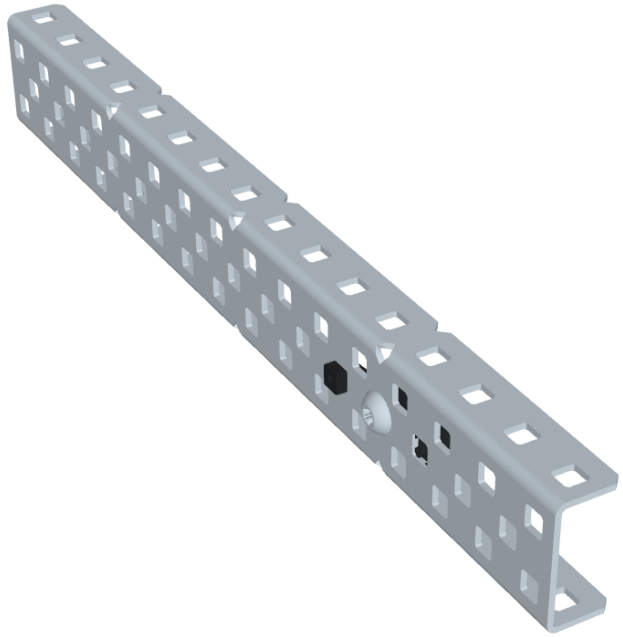
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2x



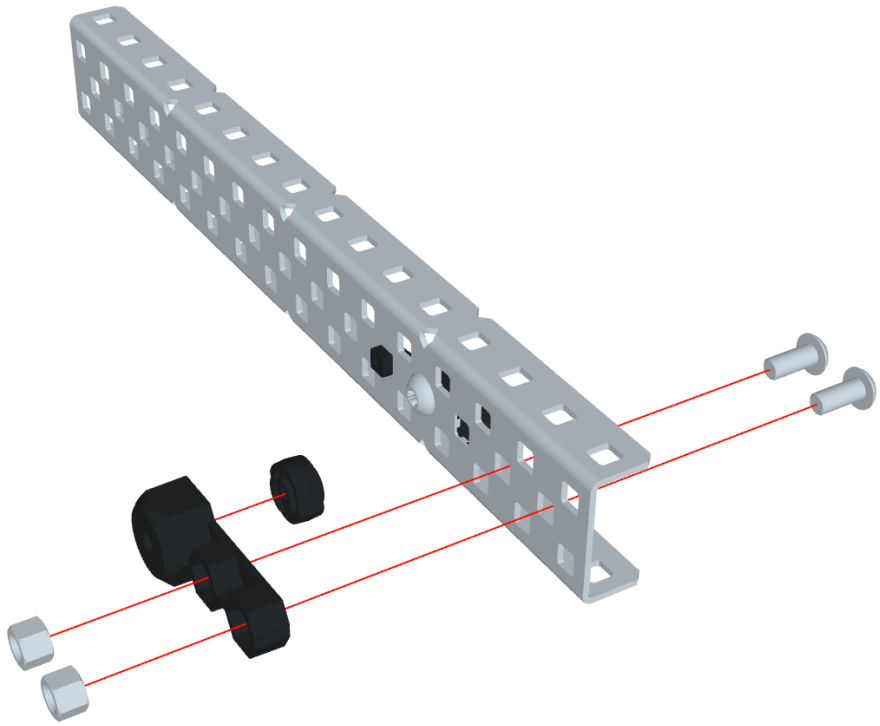
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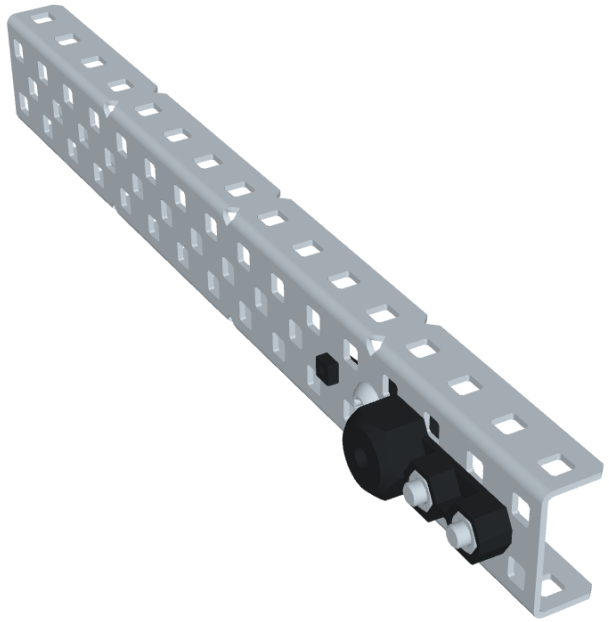
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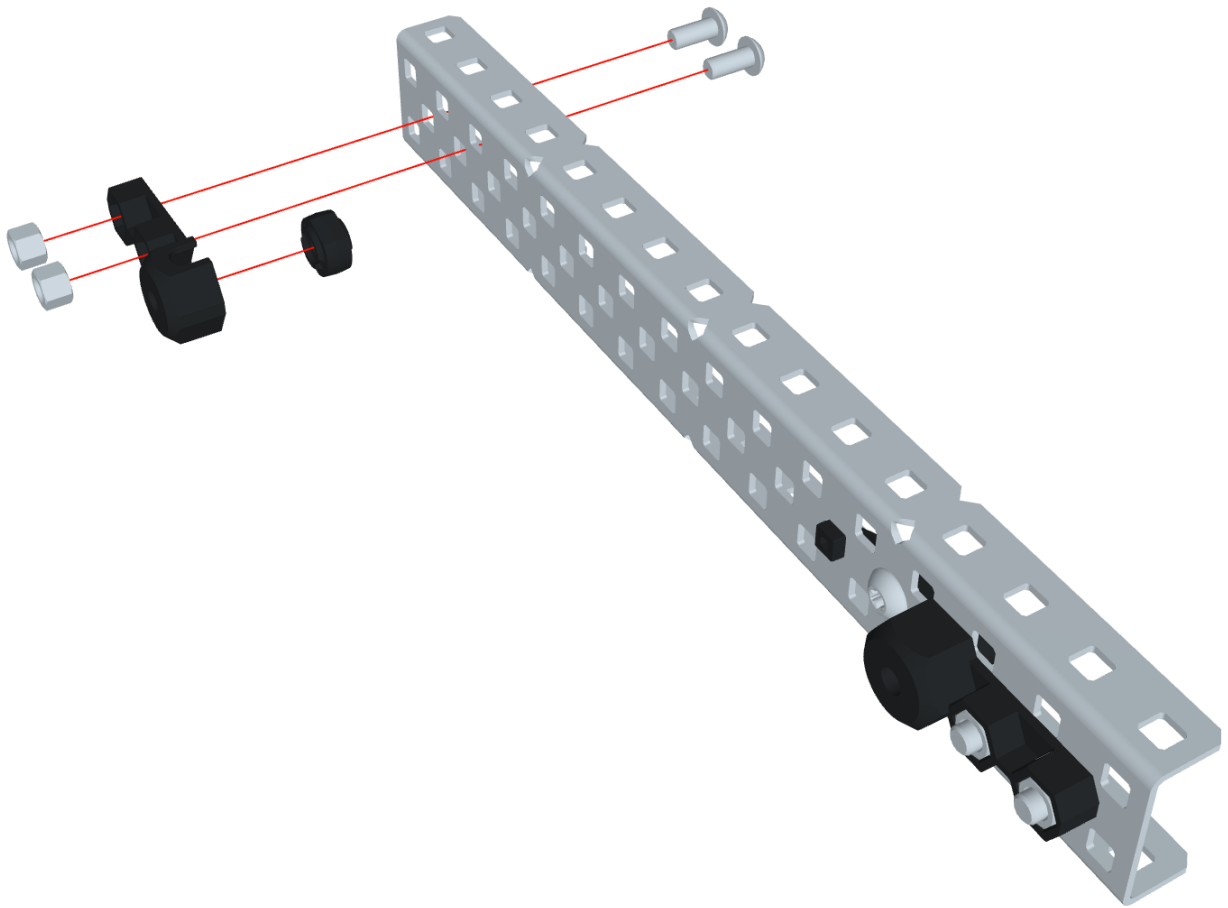
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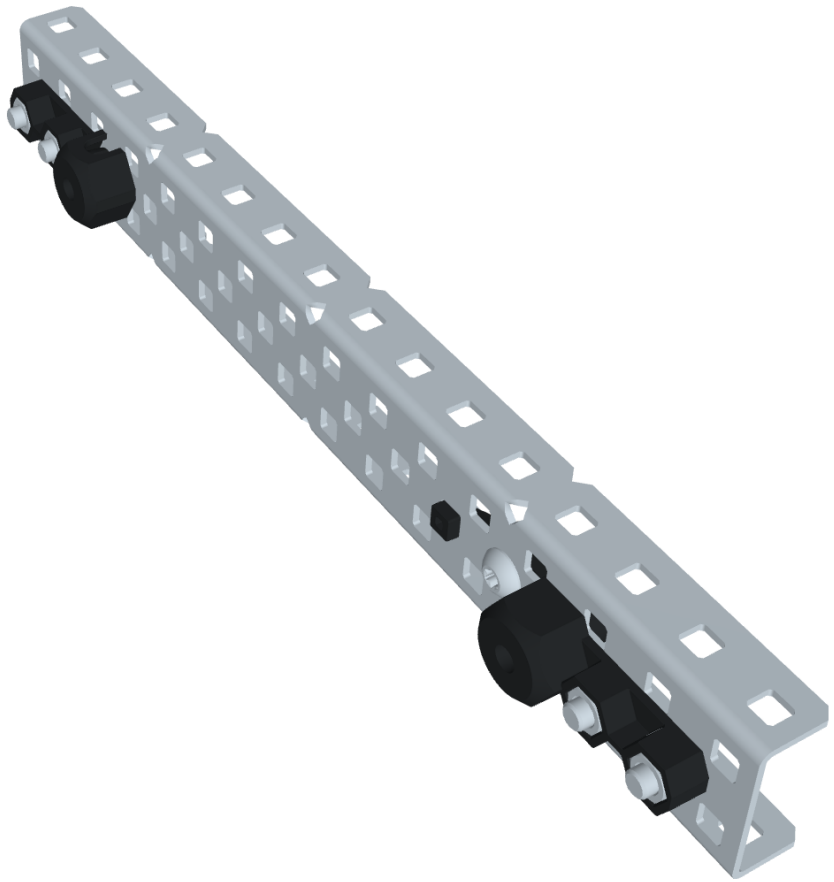
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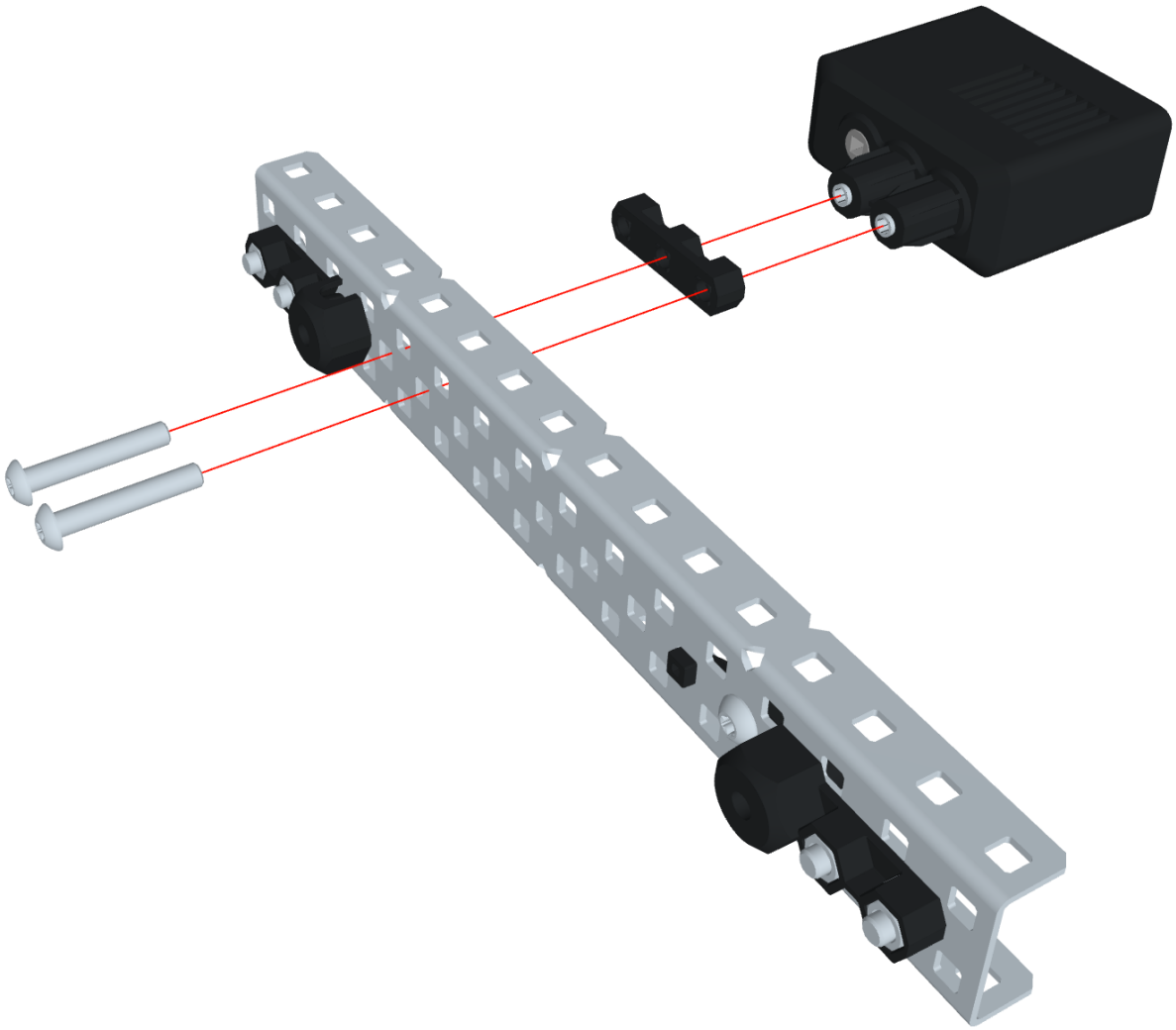
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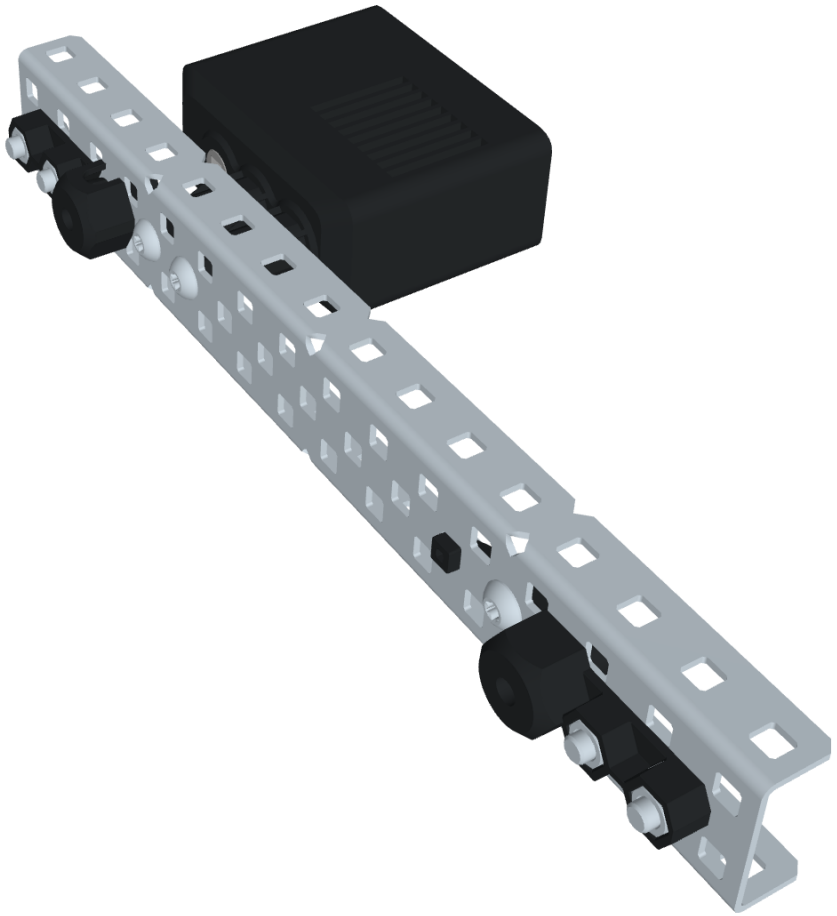
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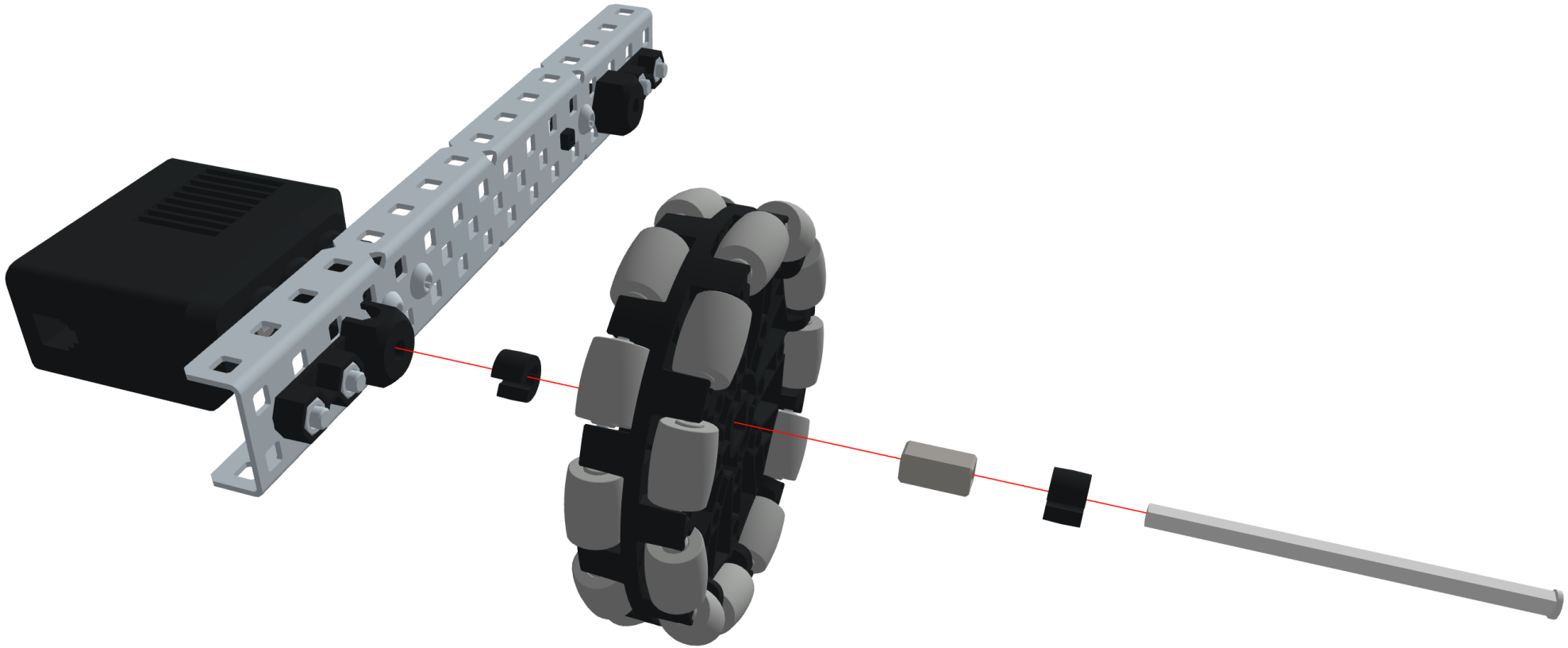
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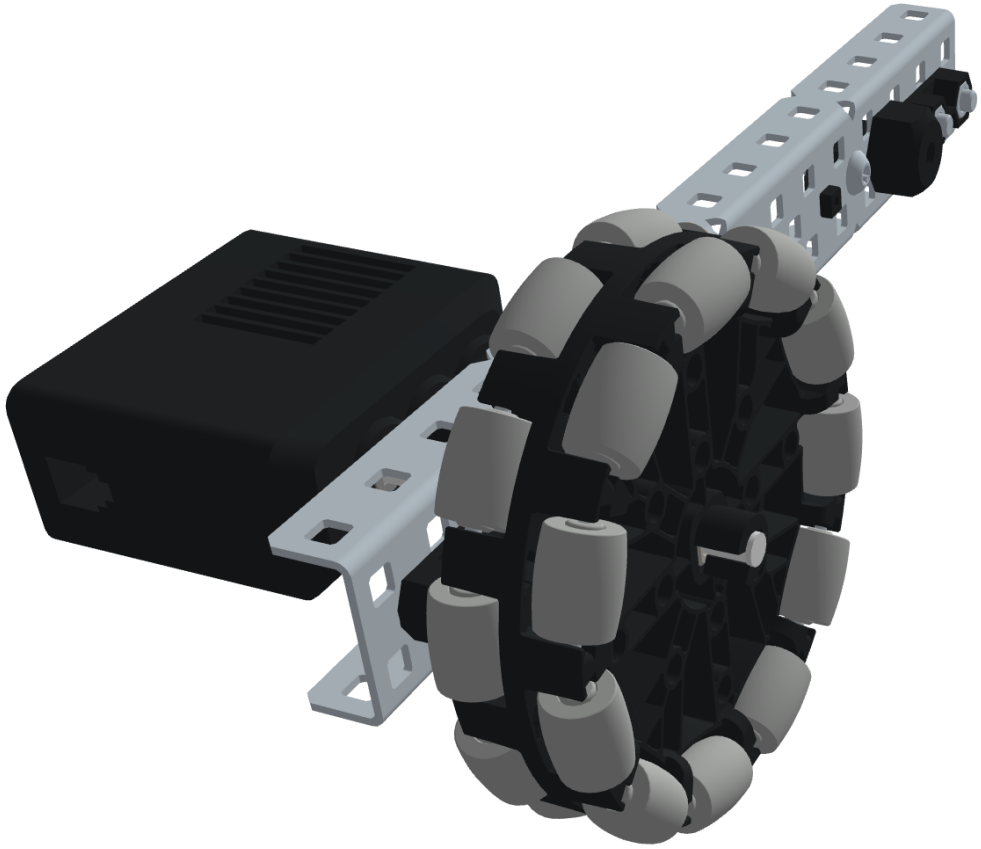


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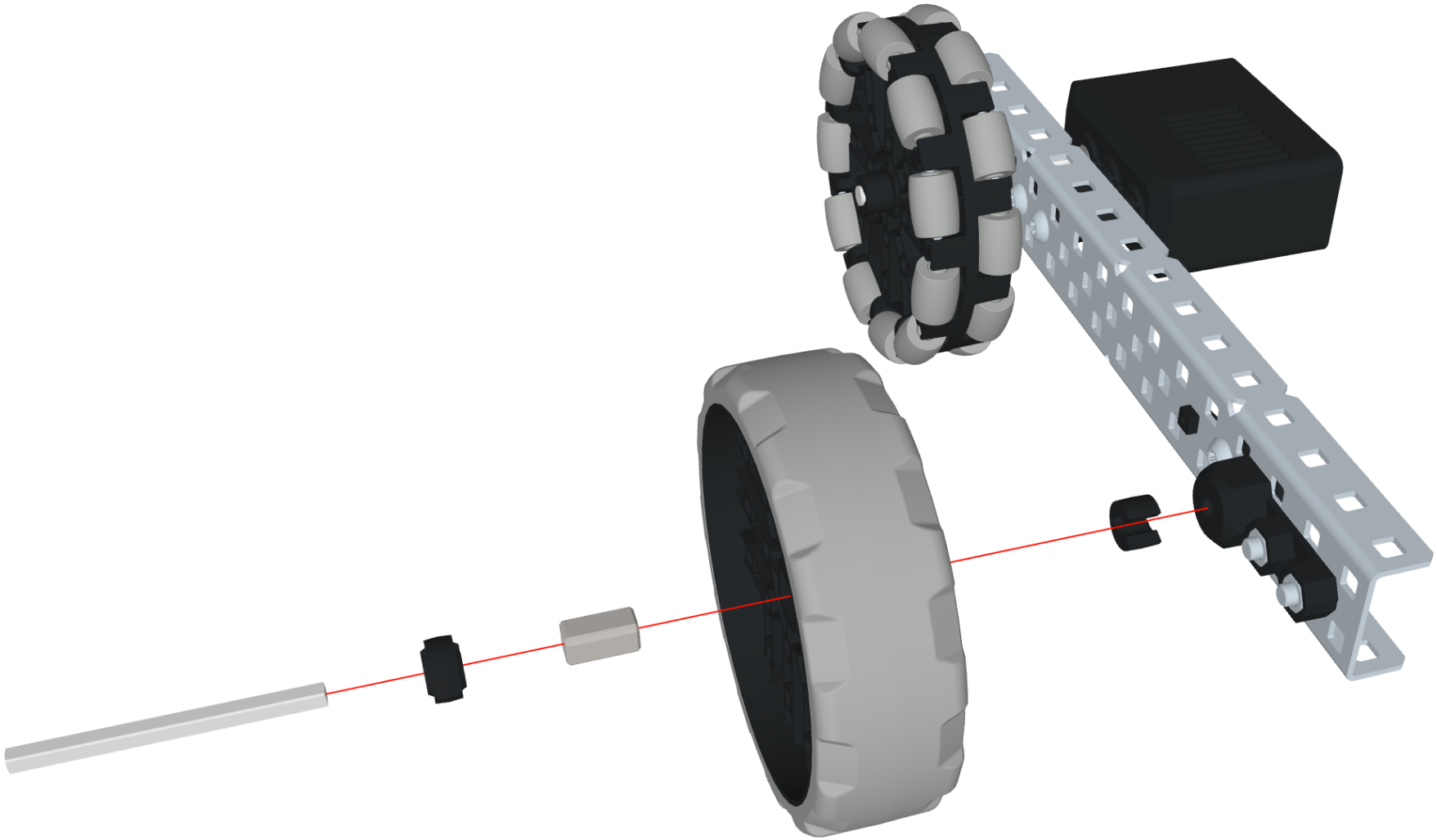
2x



2x

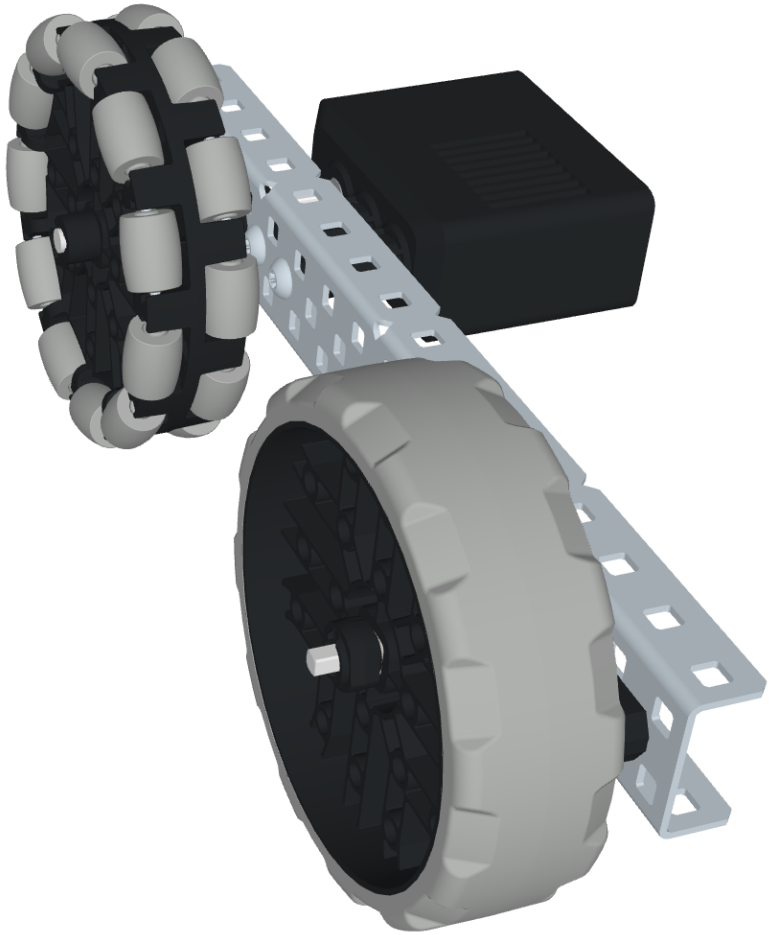


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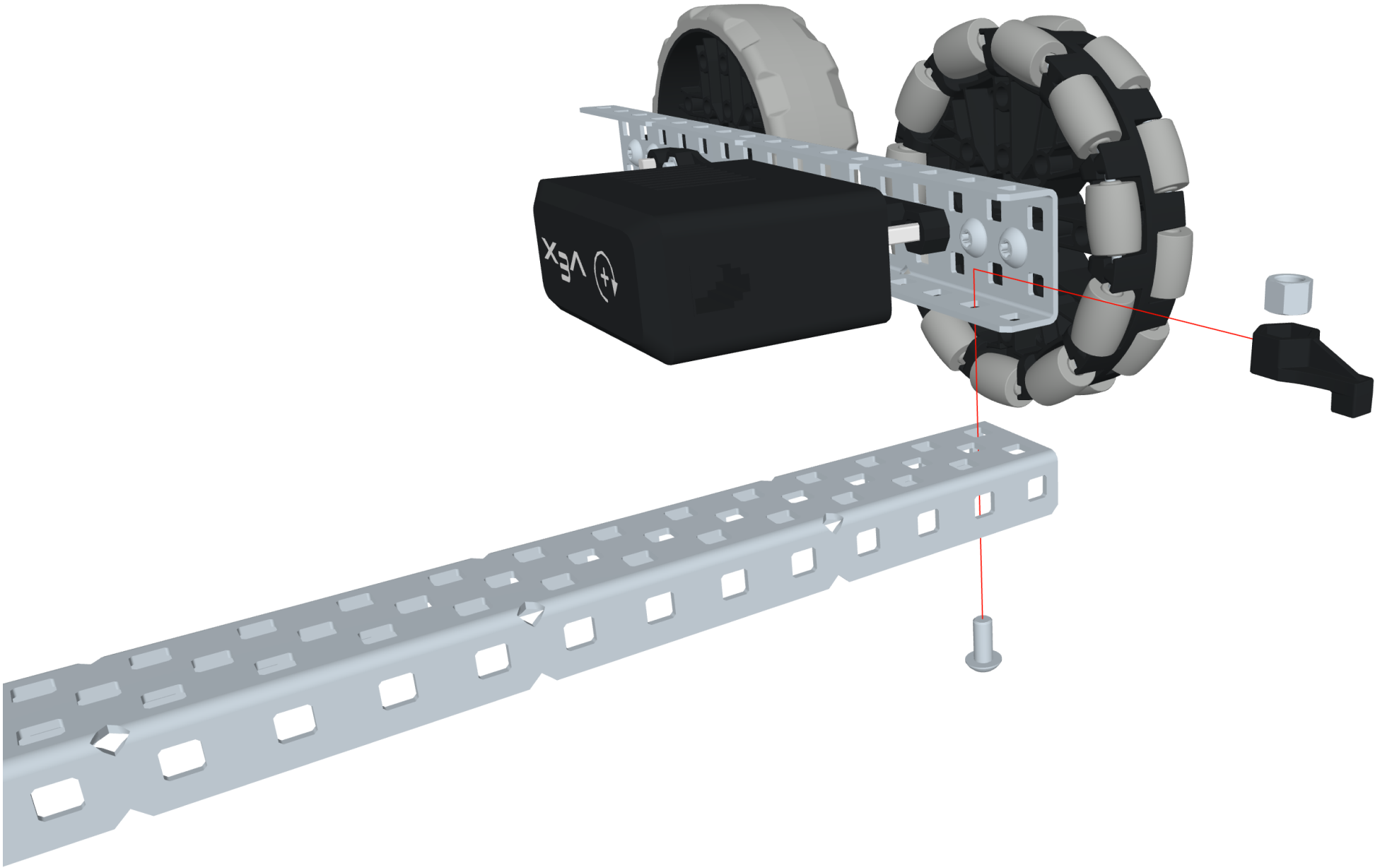


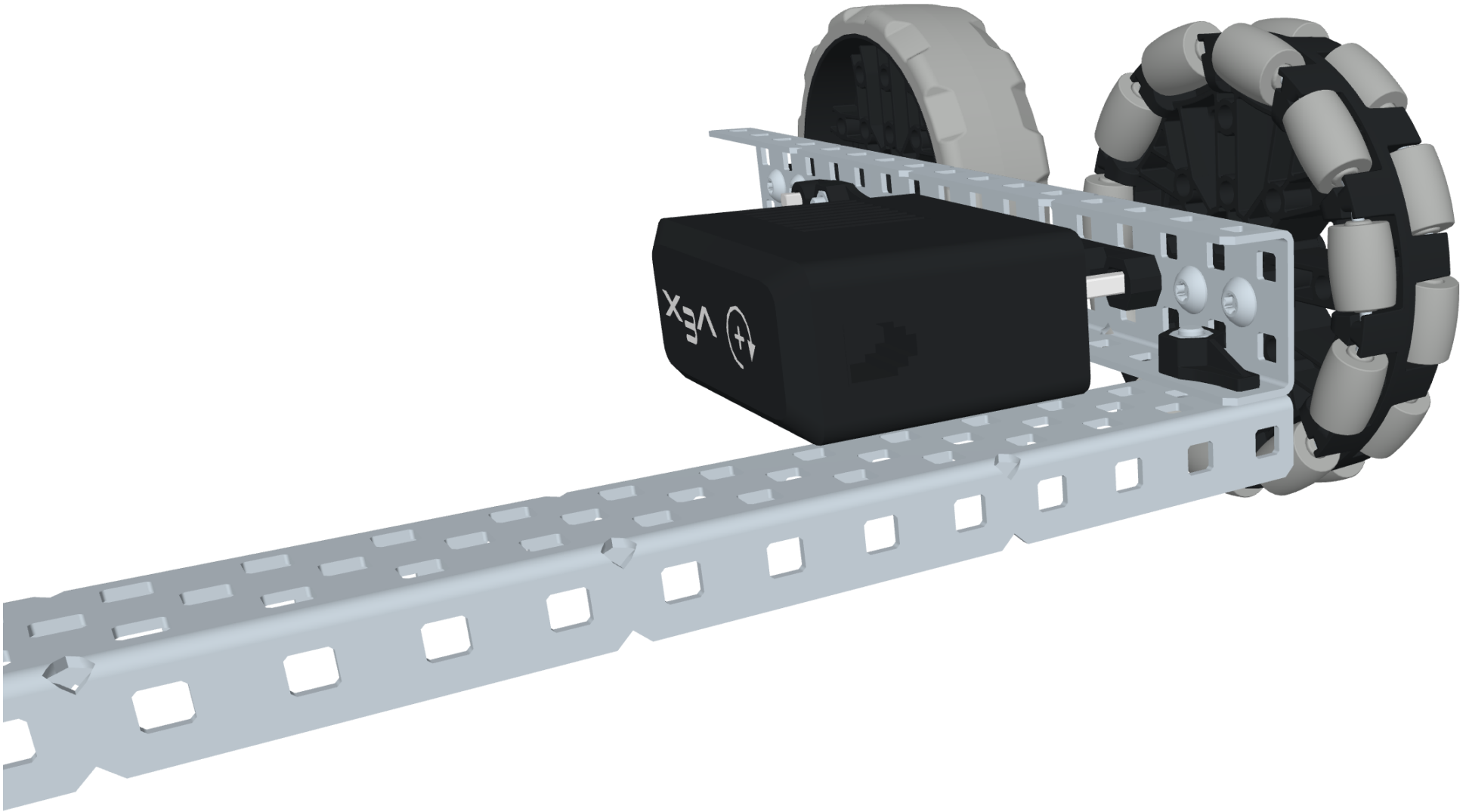
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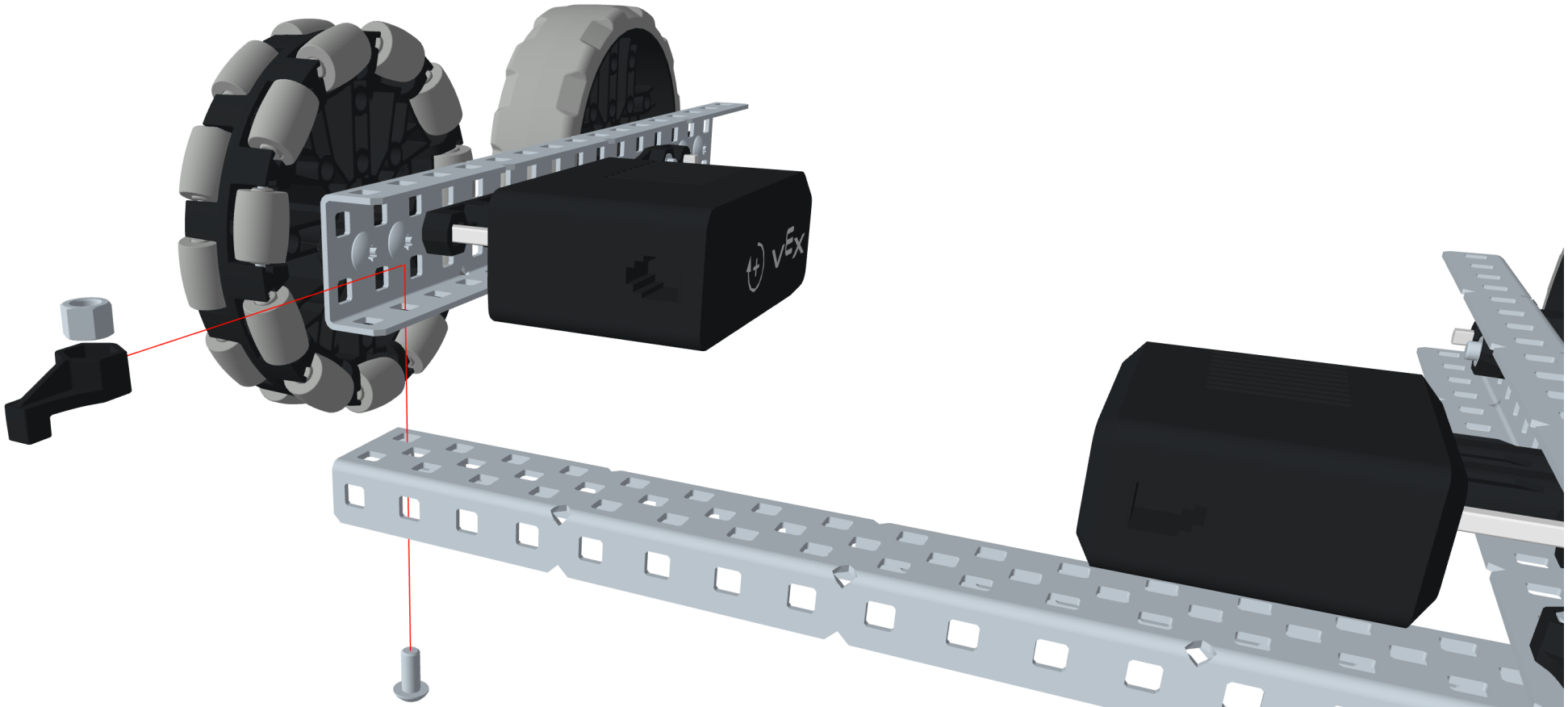
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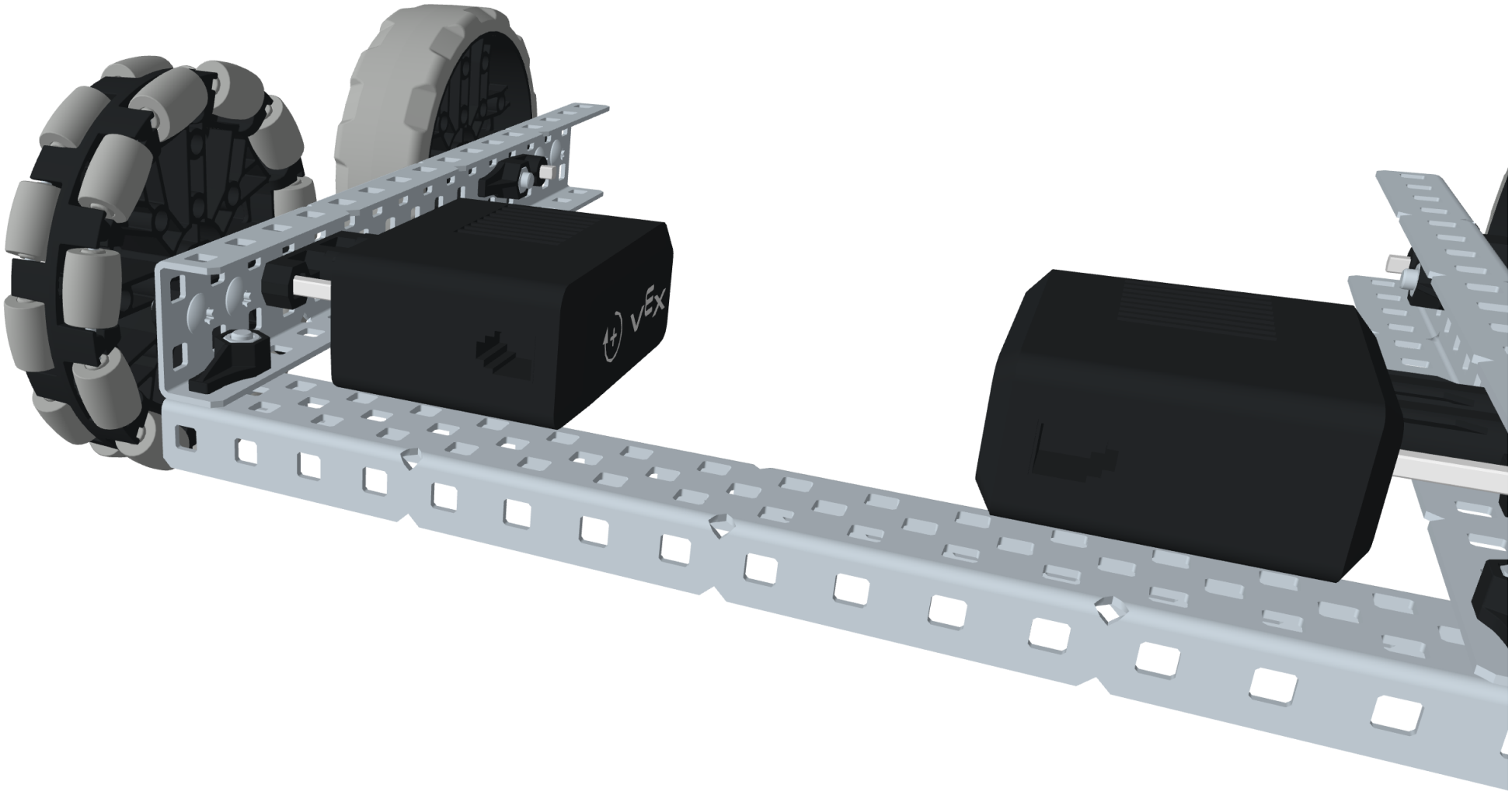


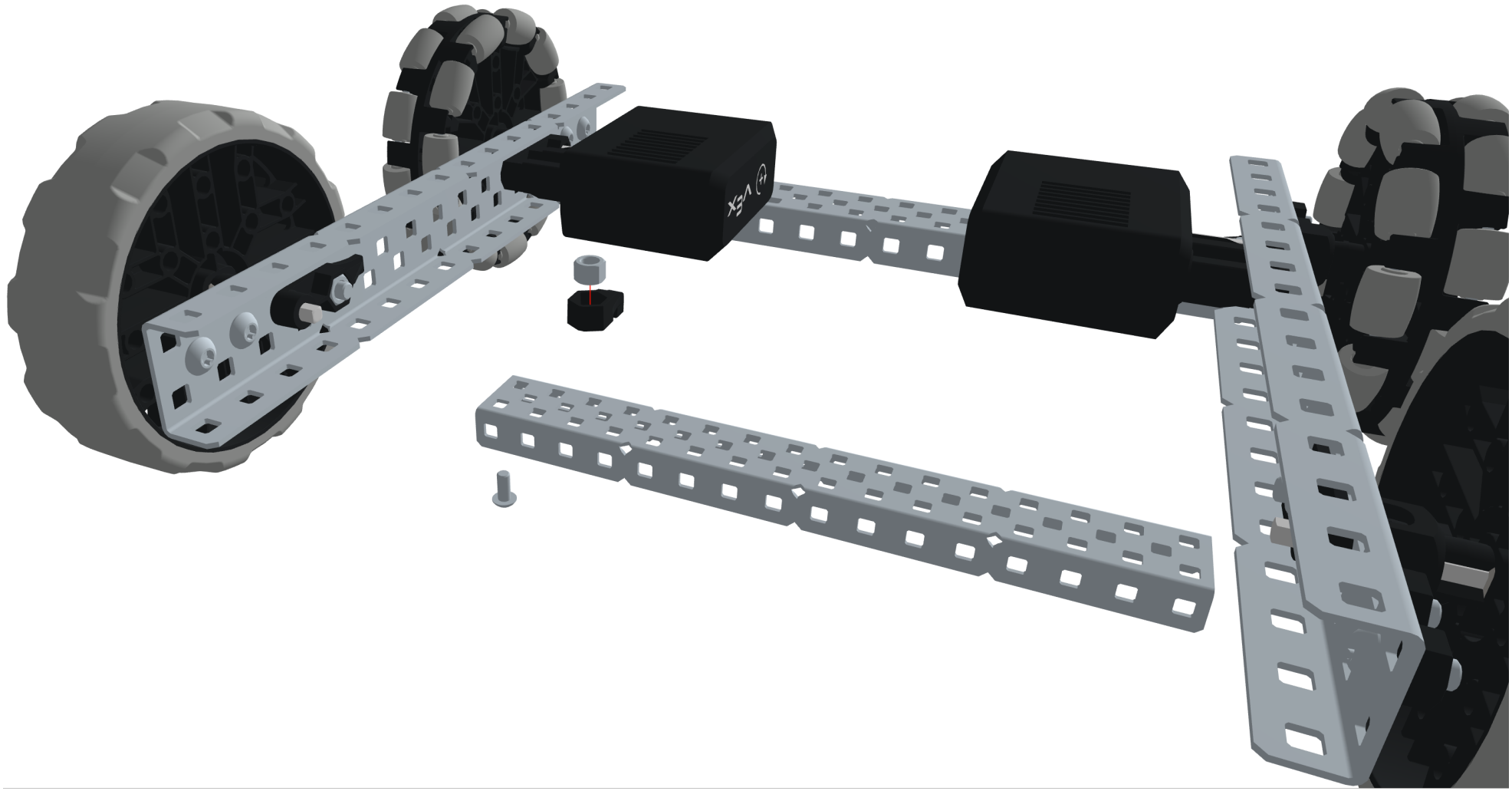
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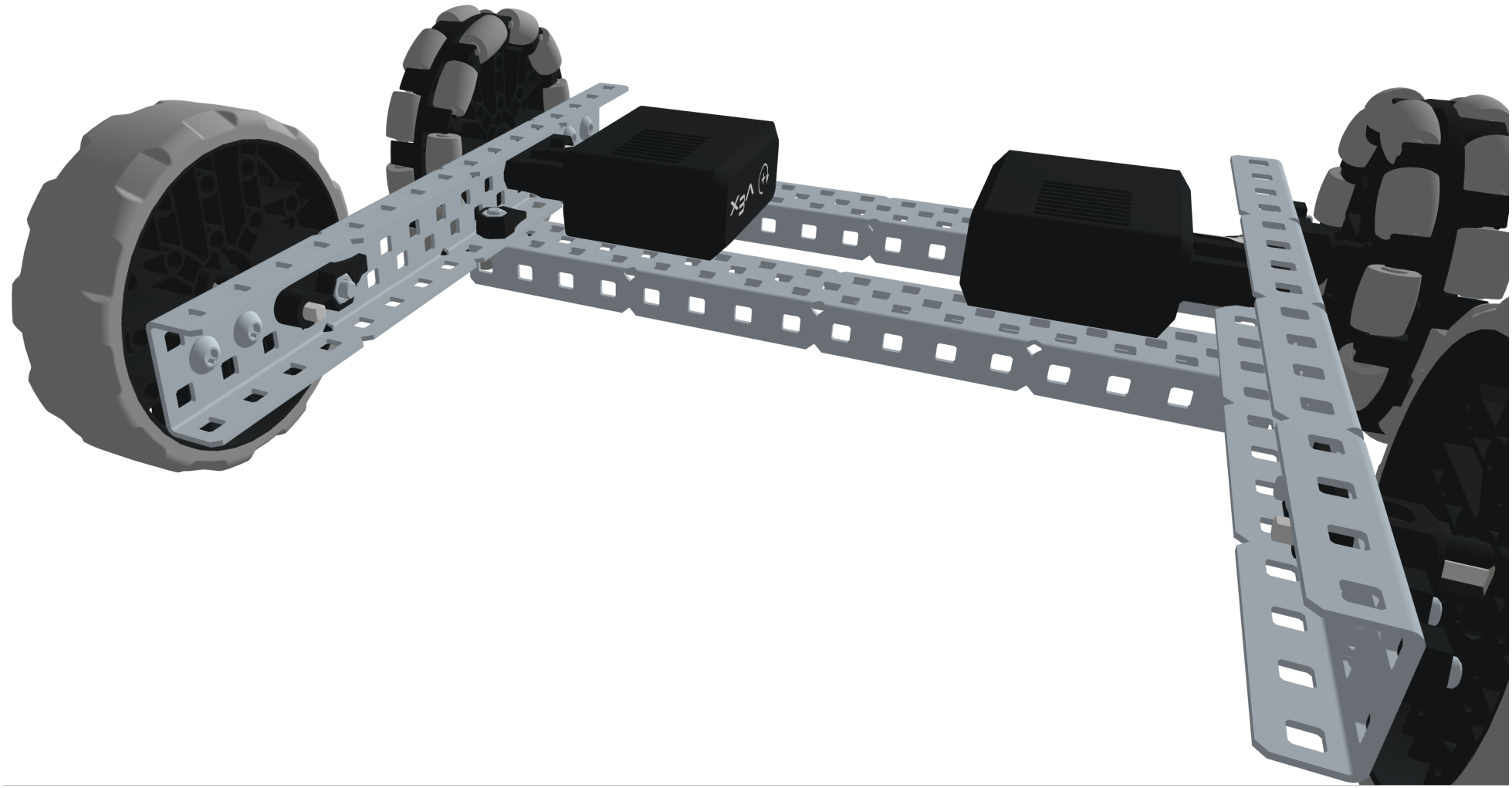


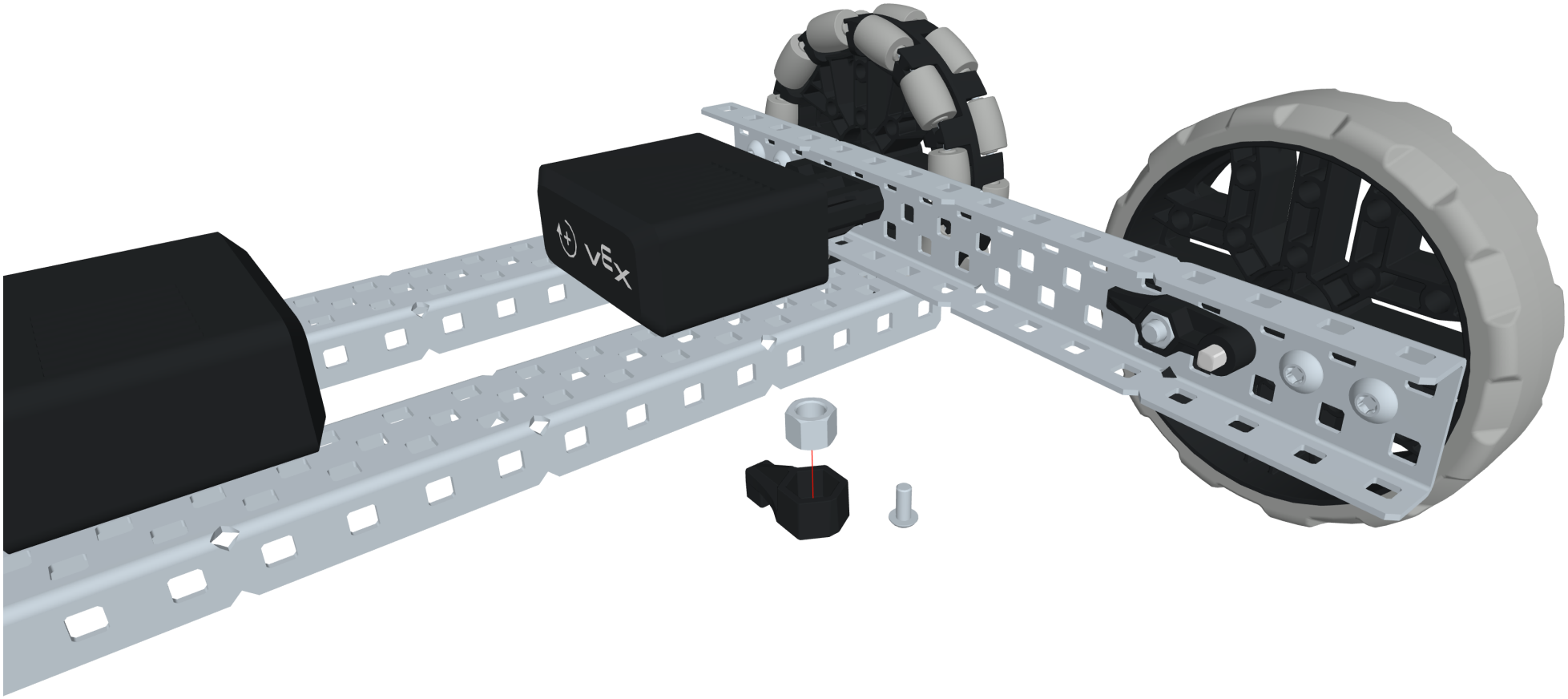


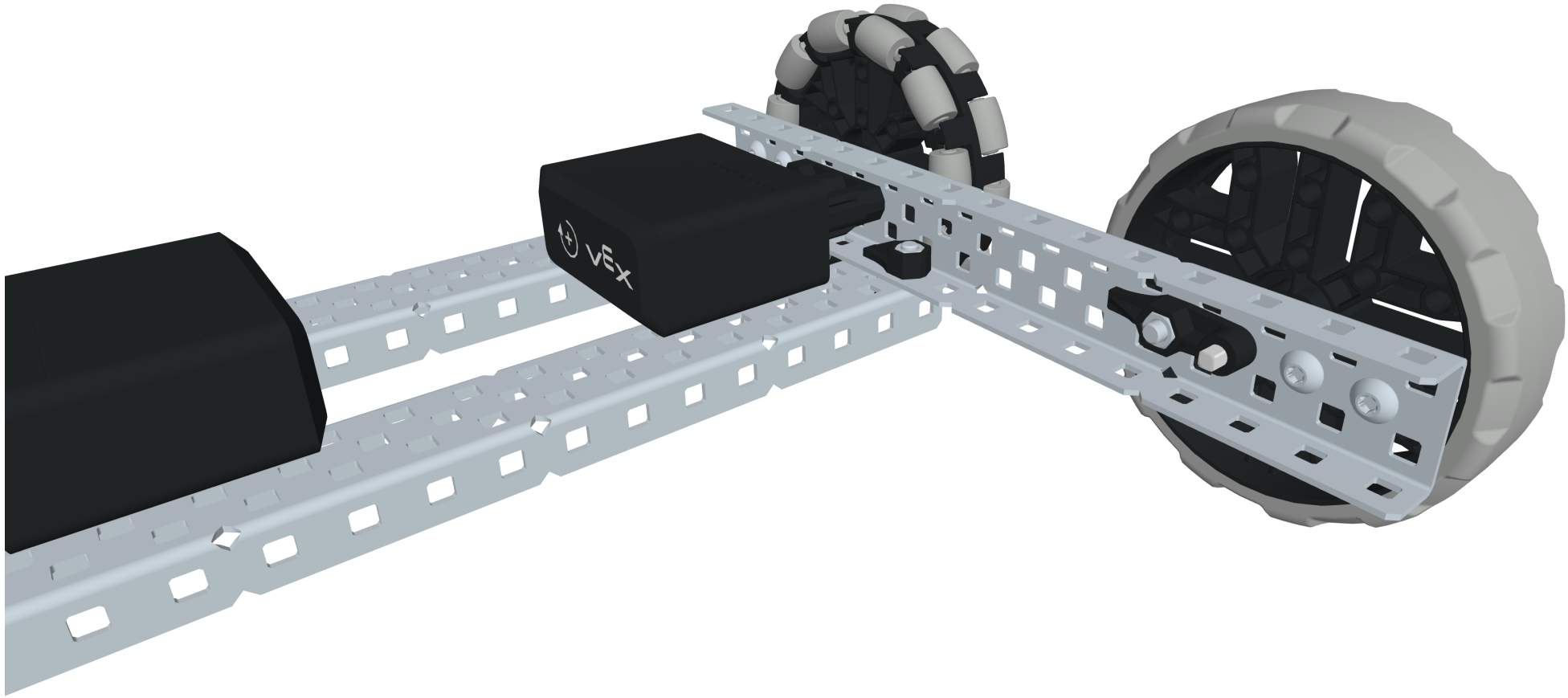

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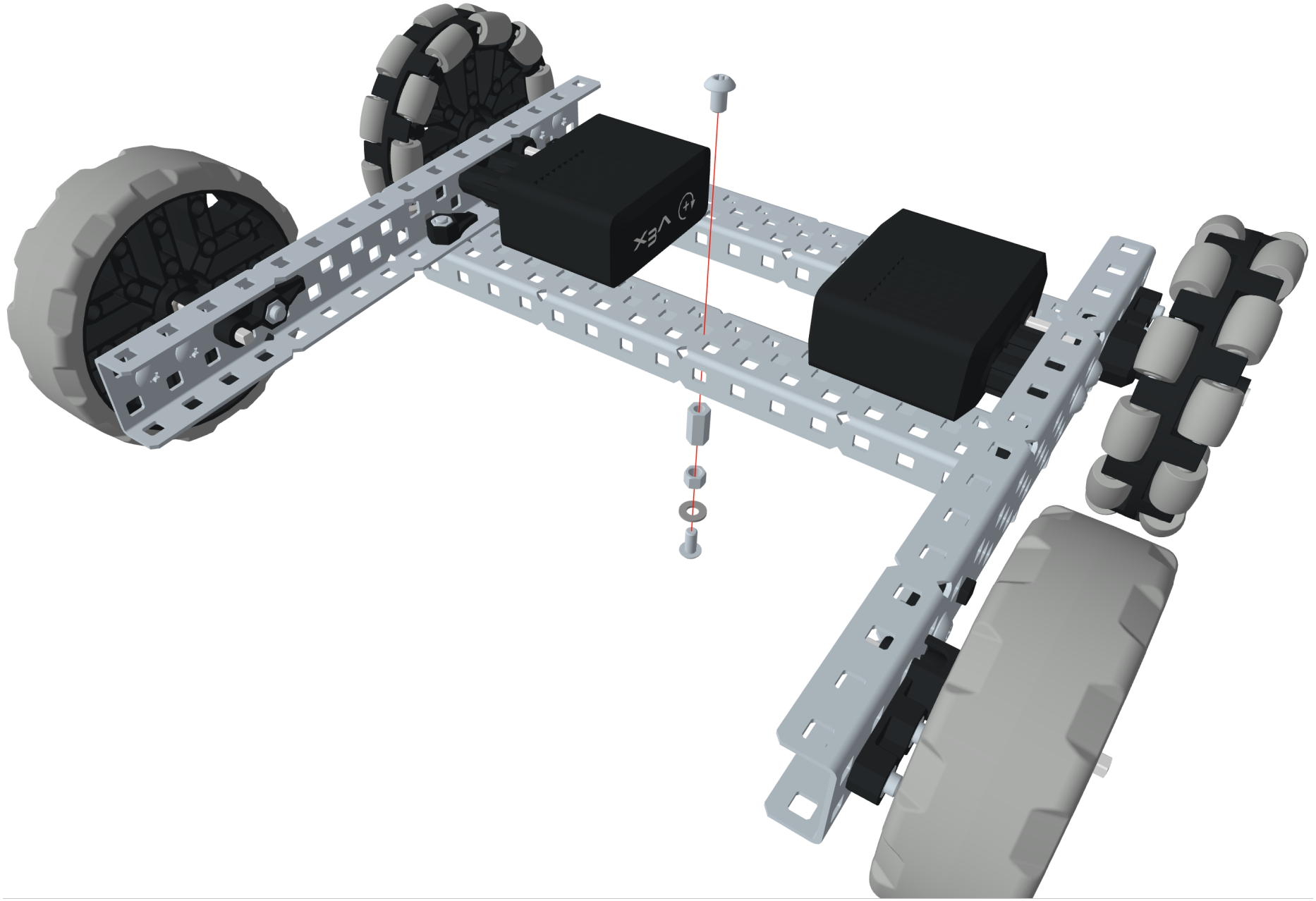

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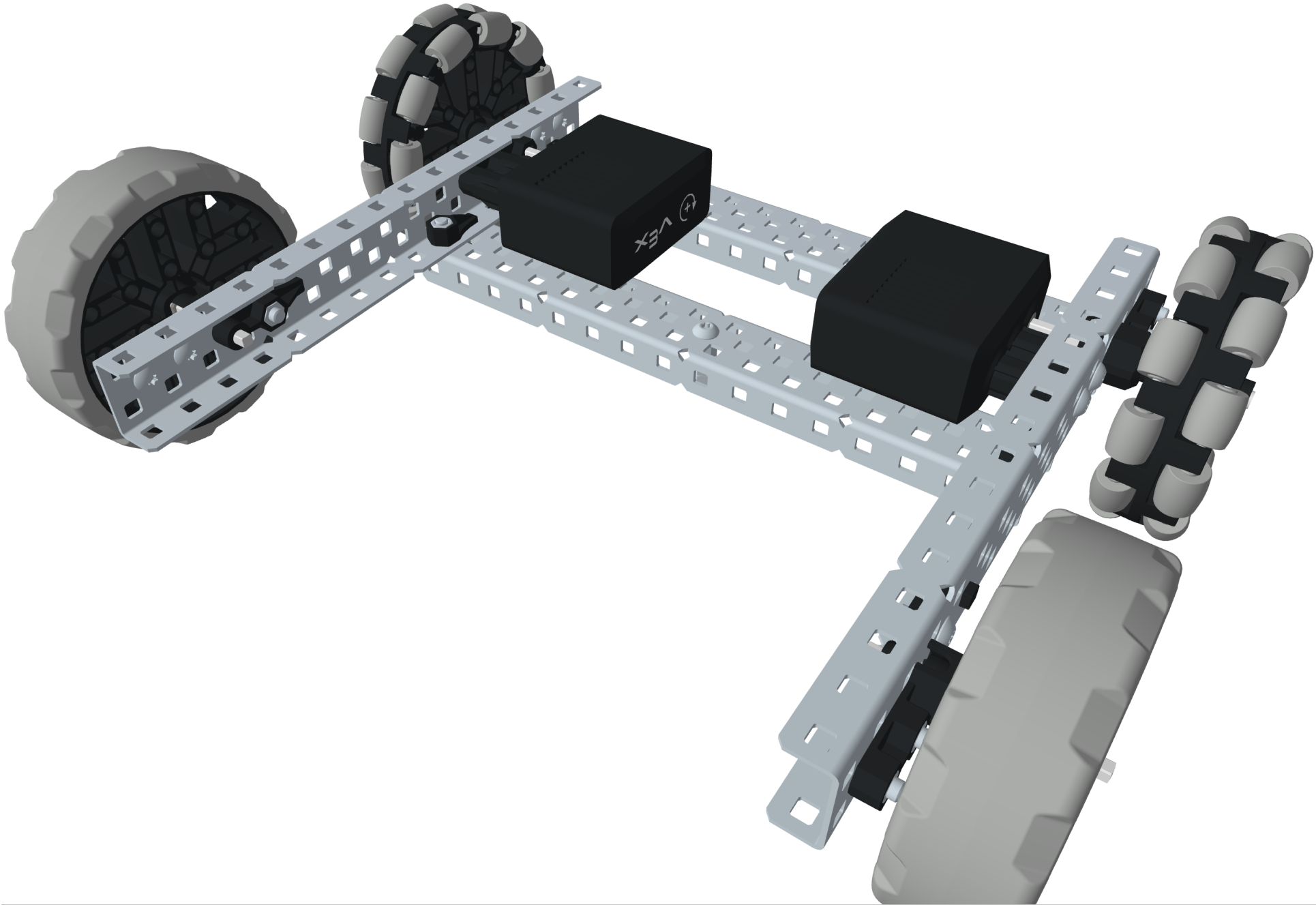


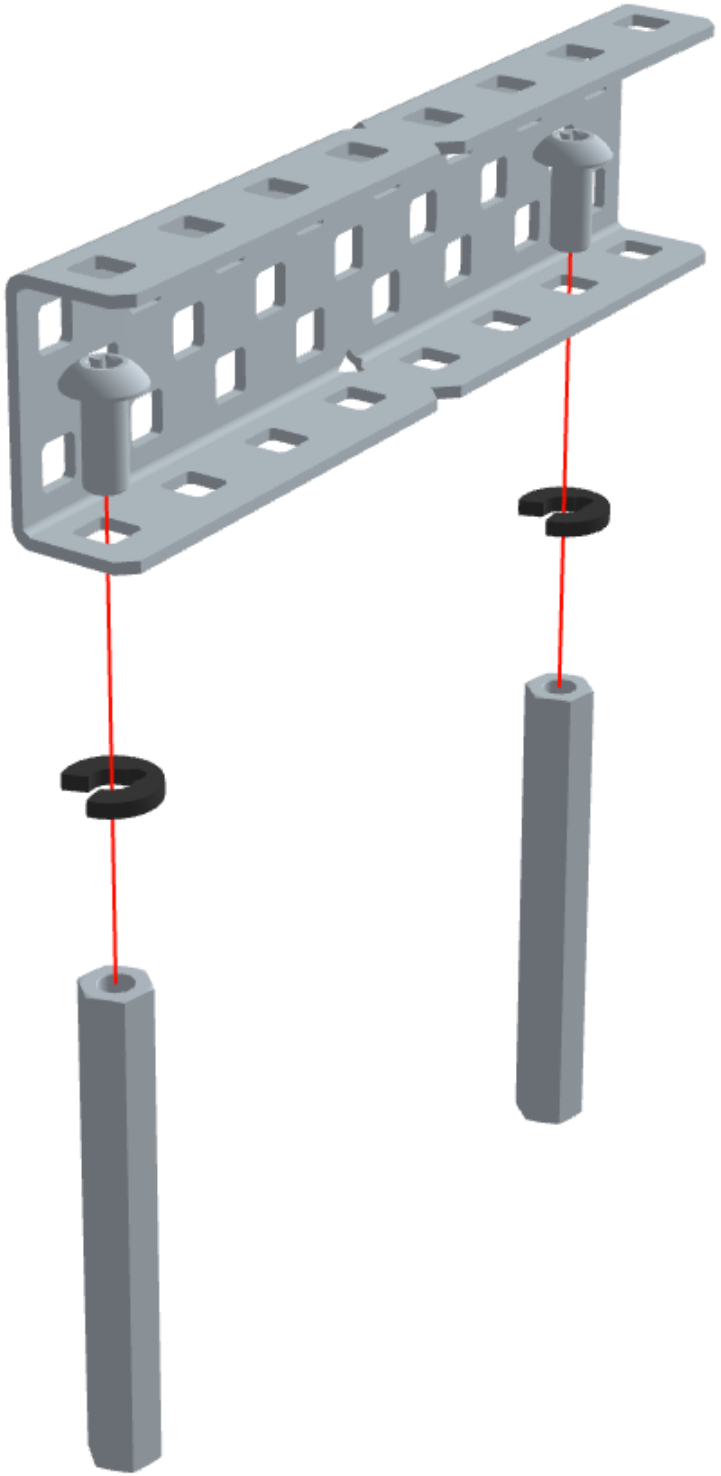


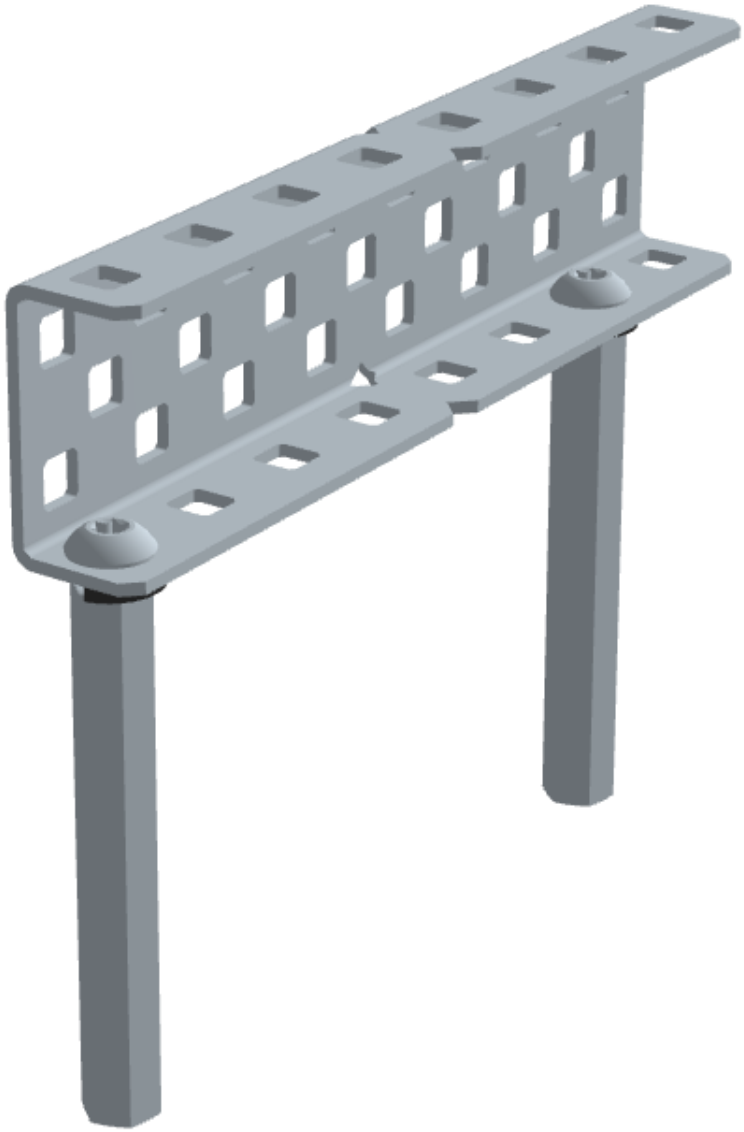

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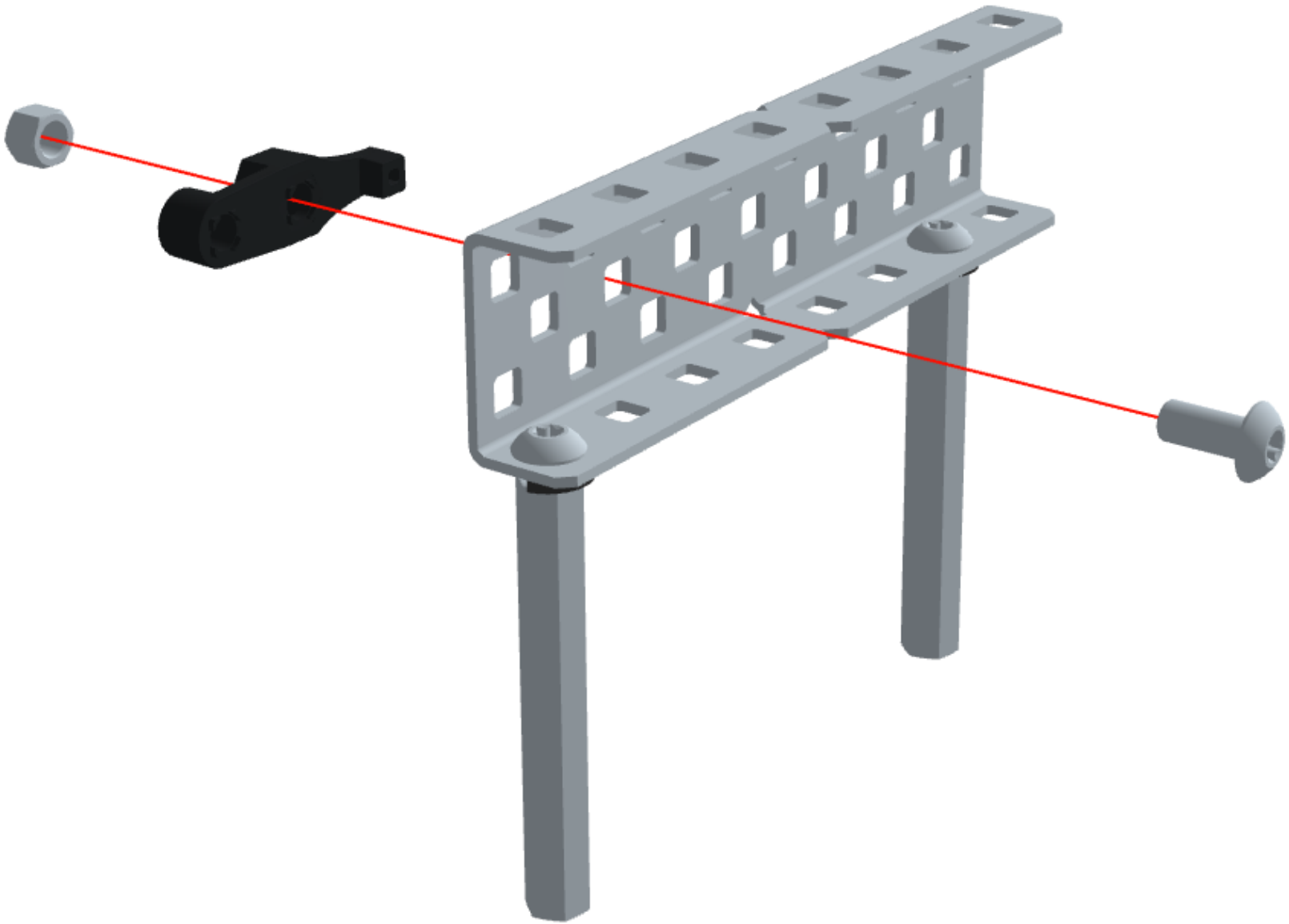

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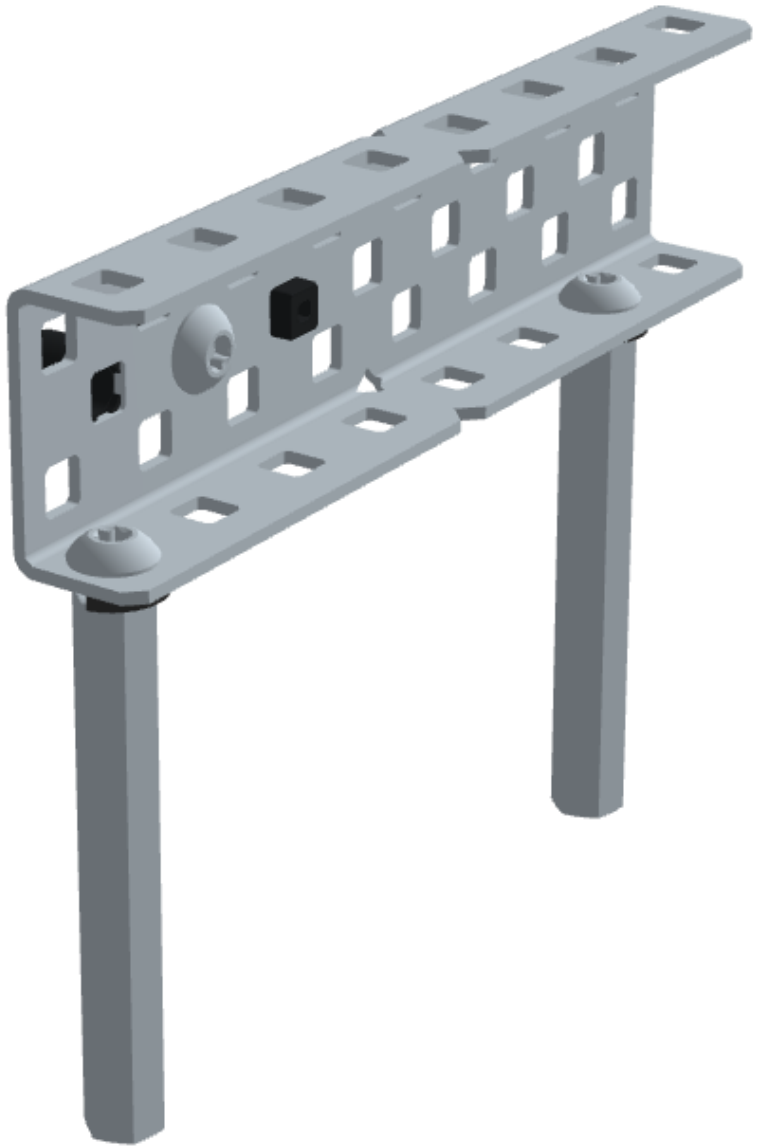

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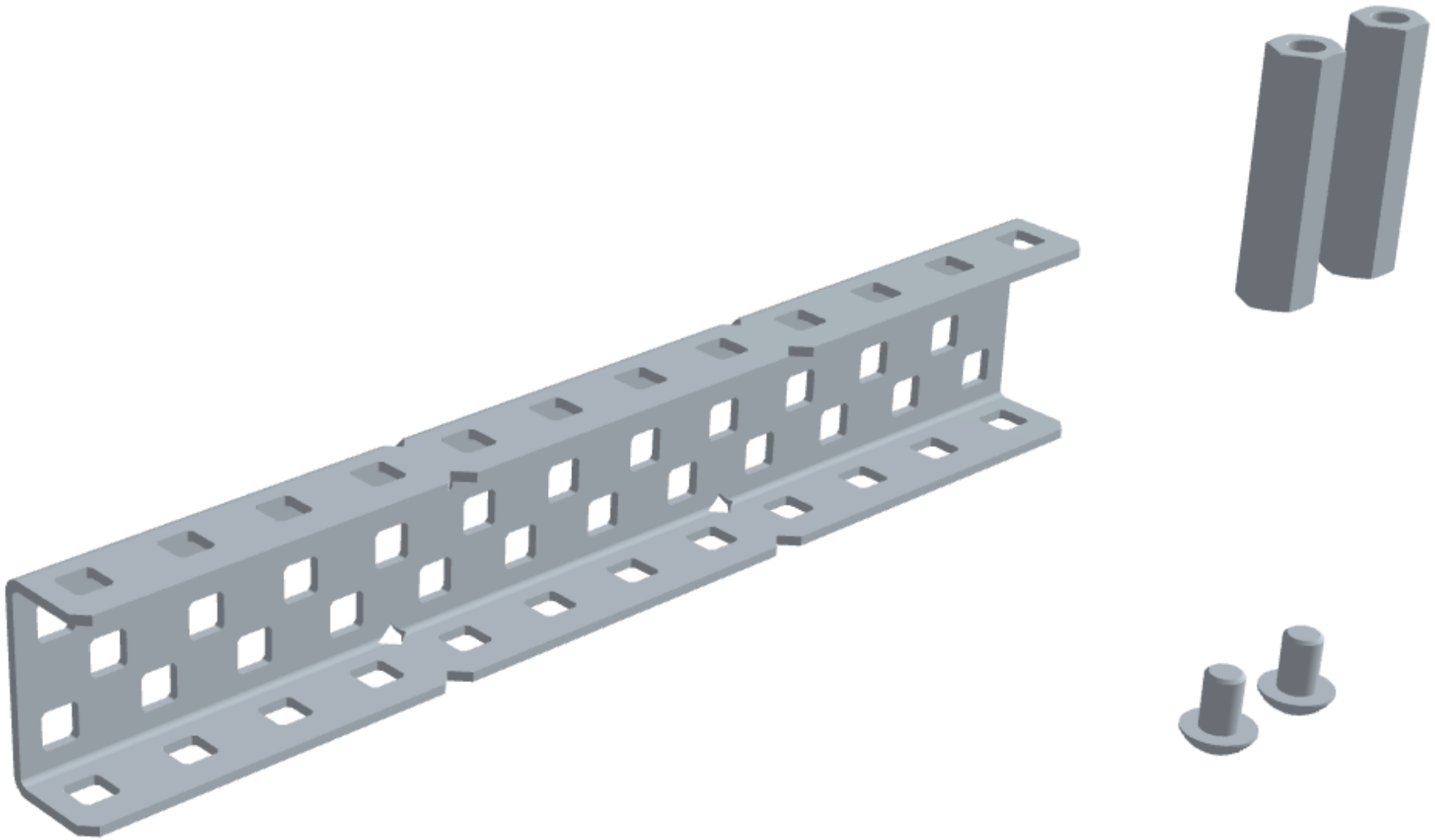

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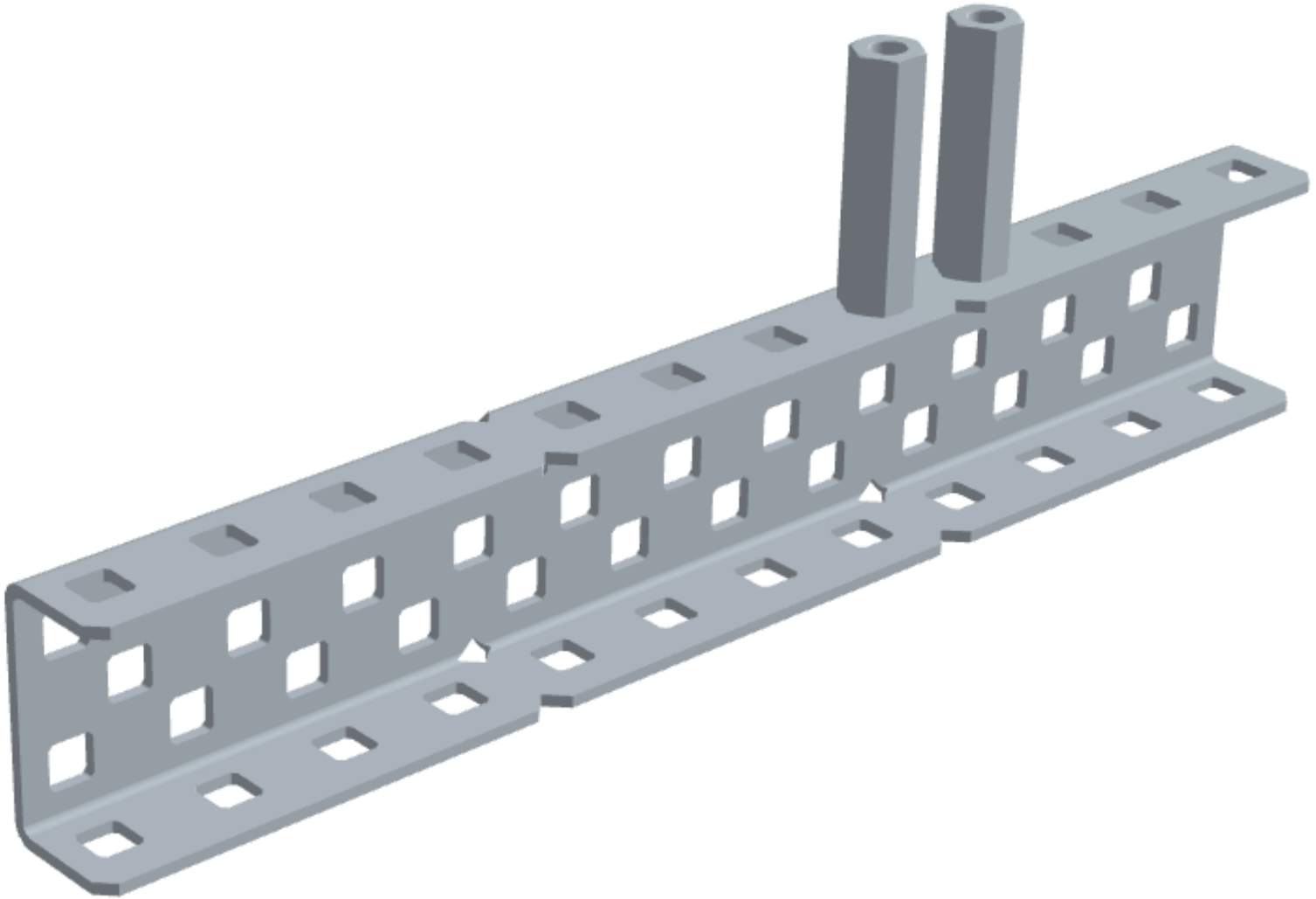


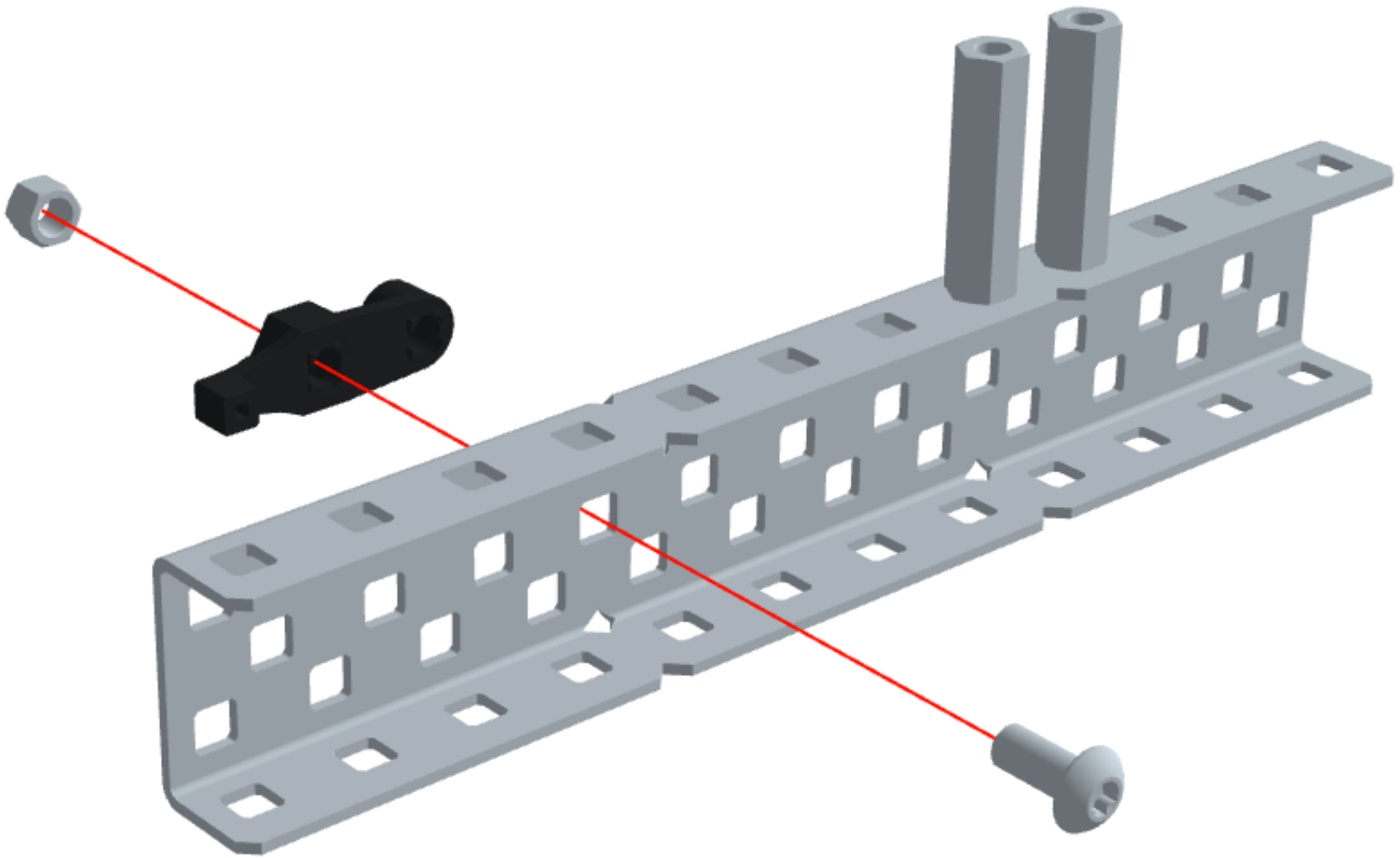


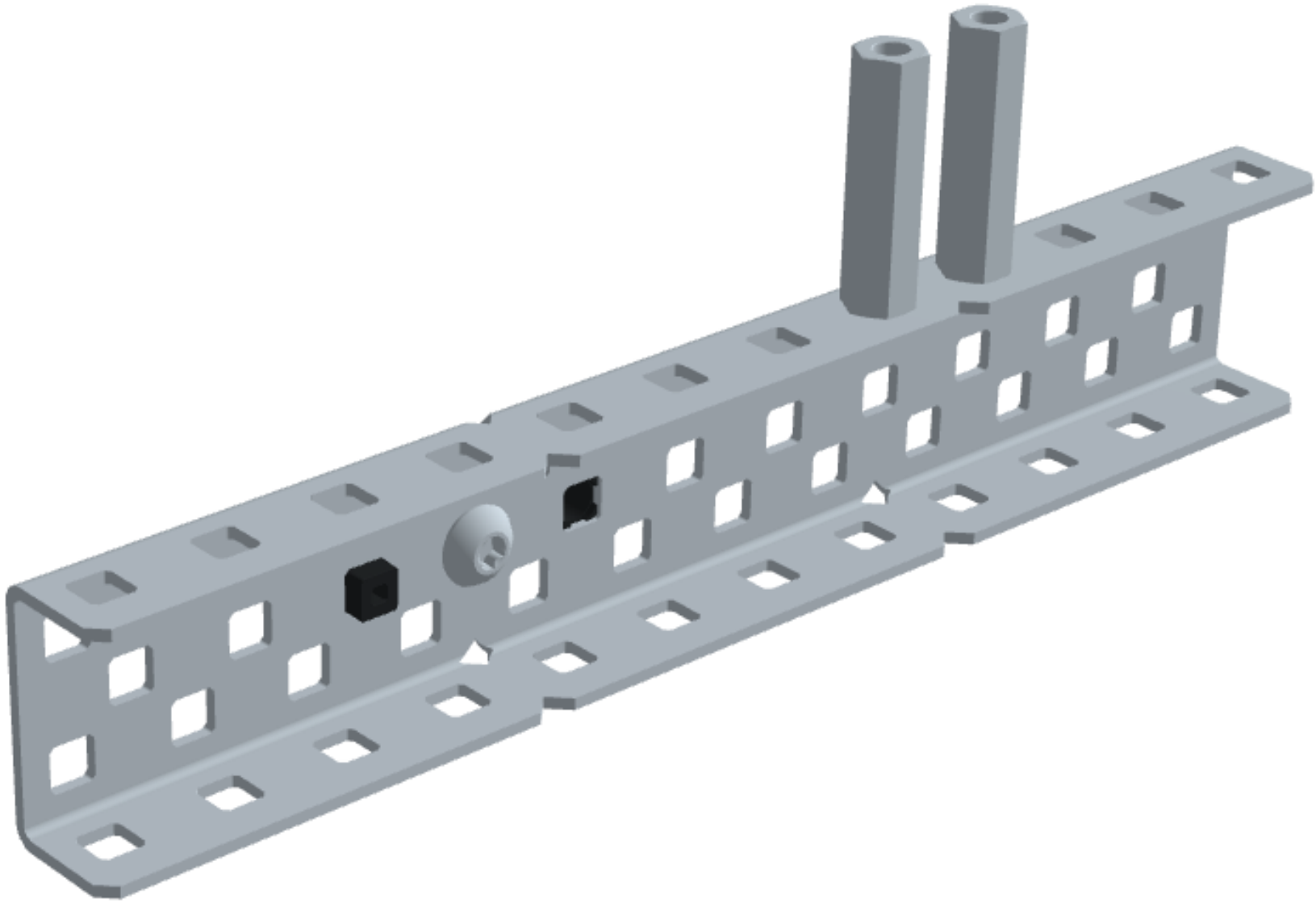


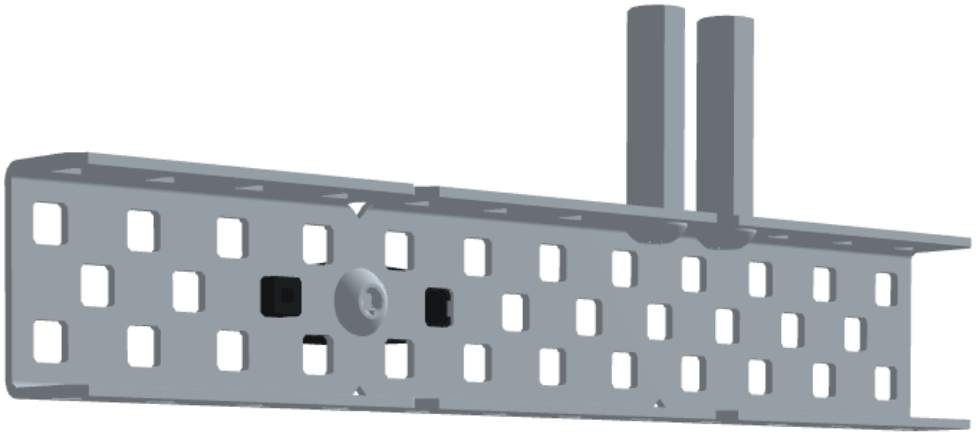








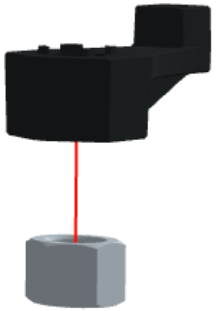


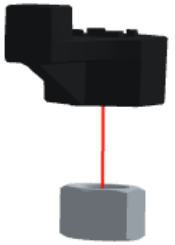


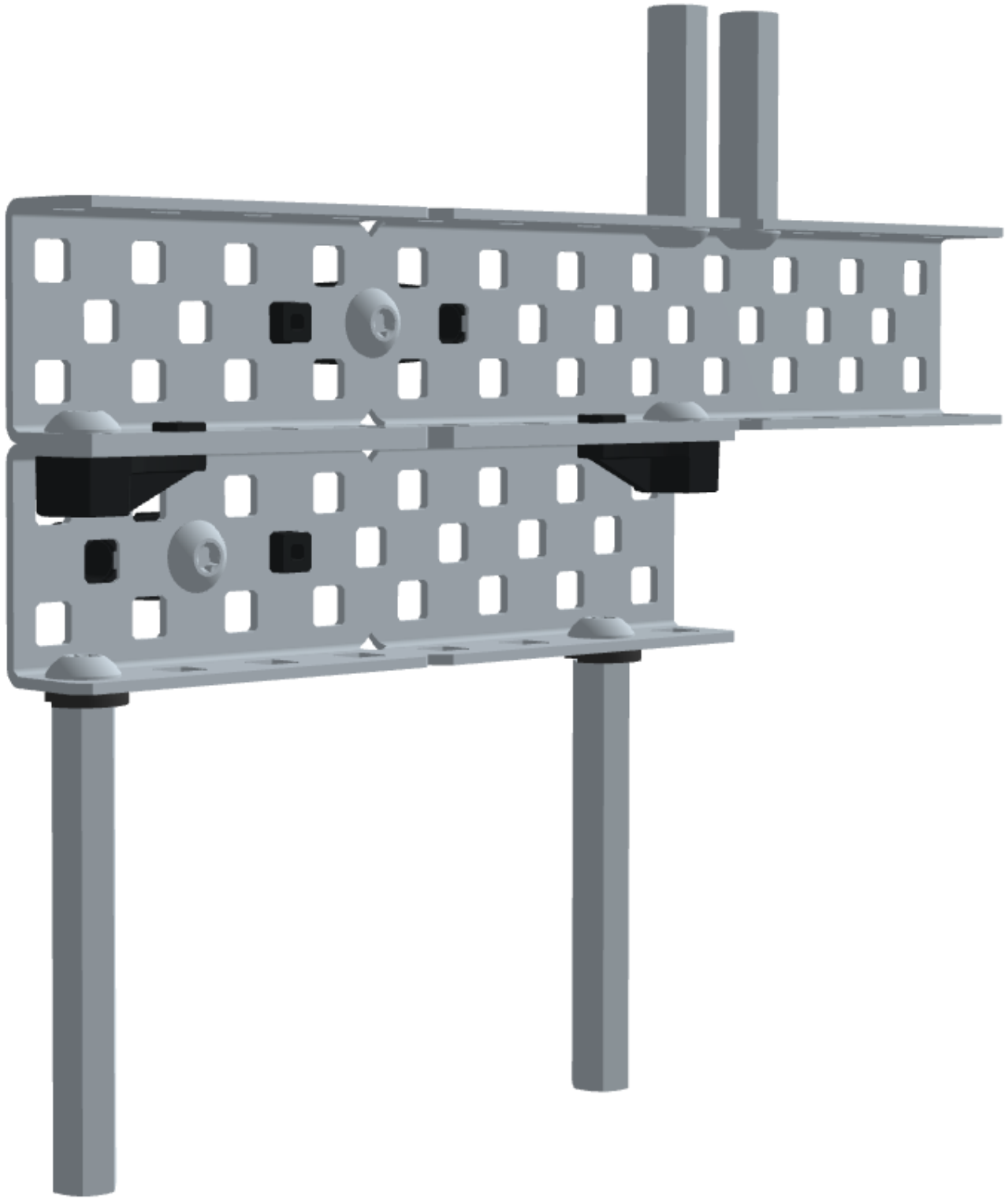


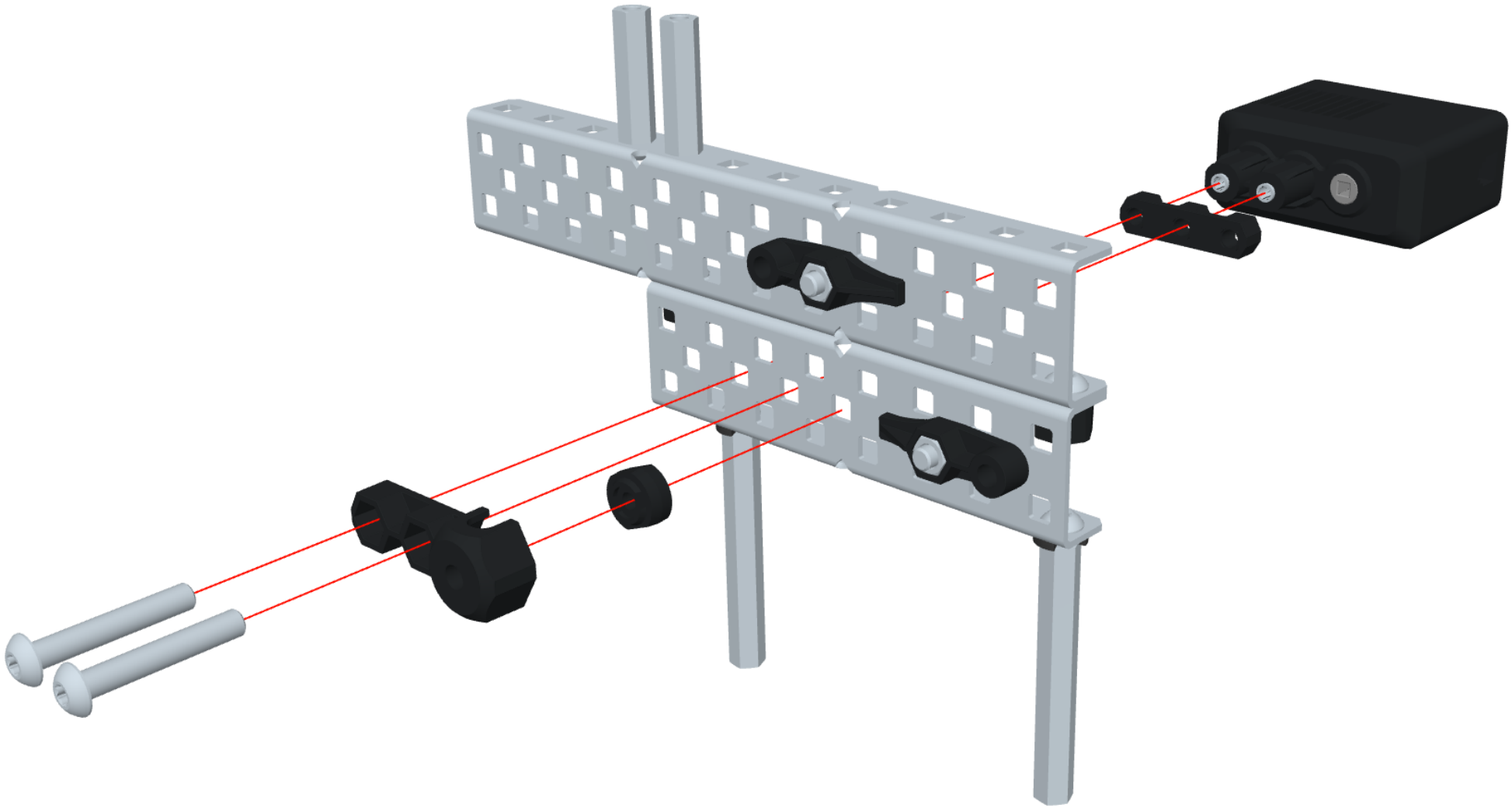


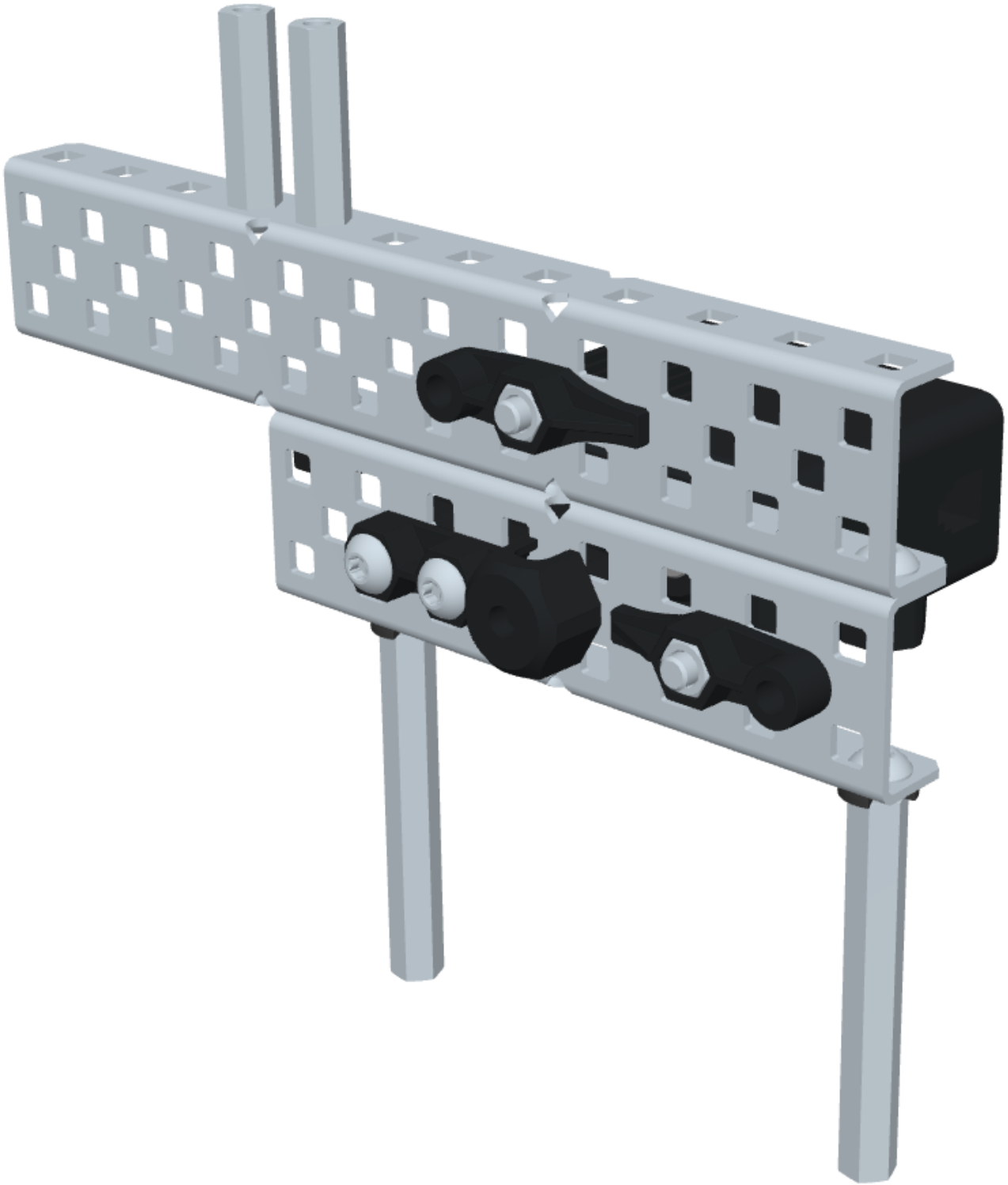


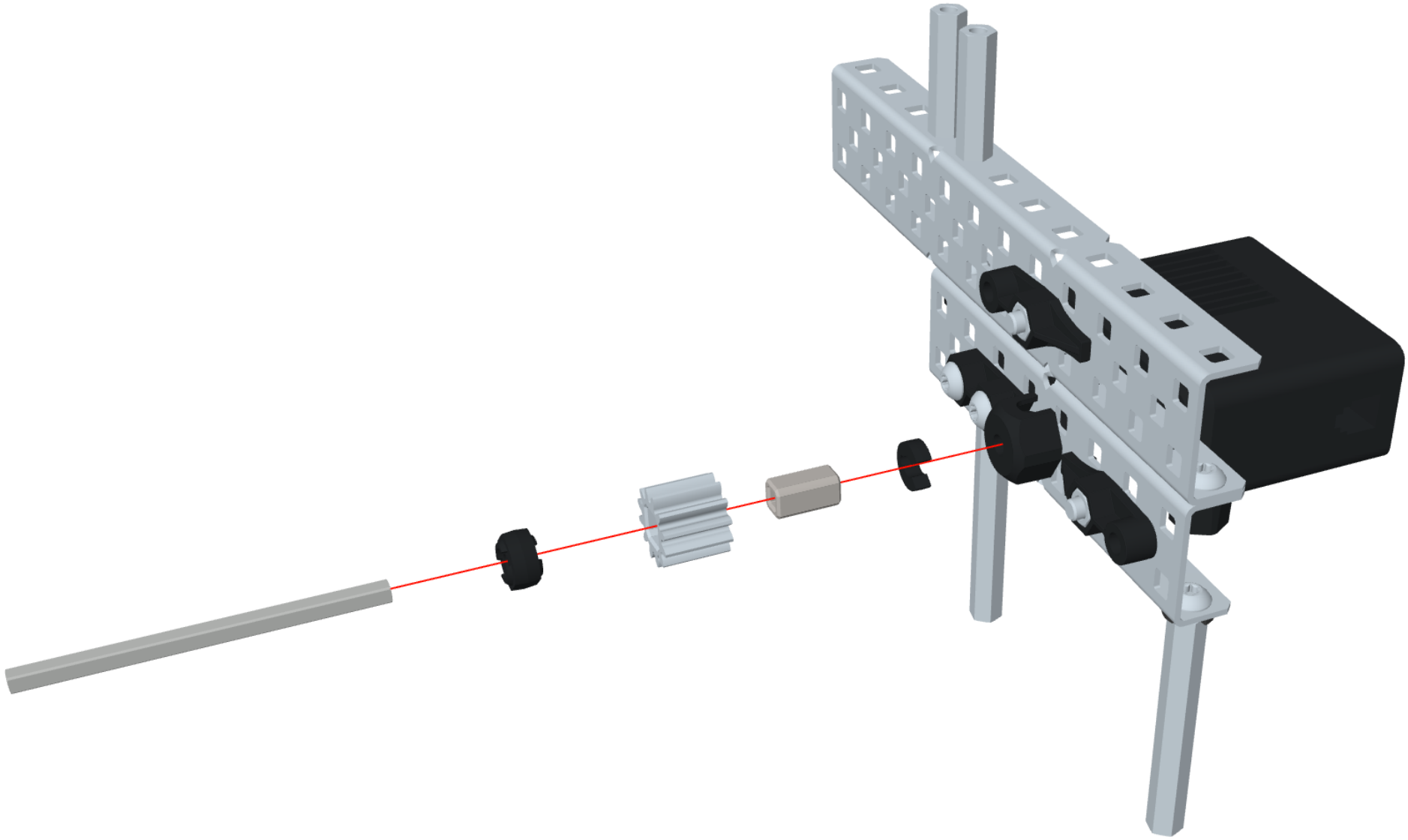


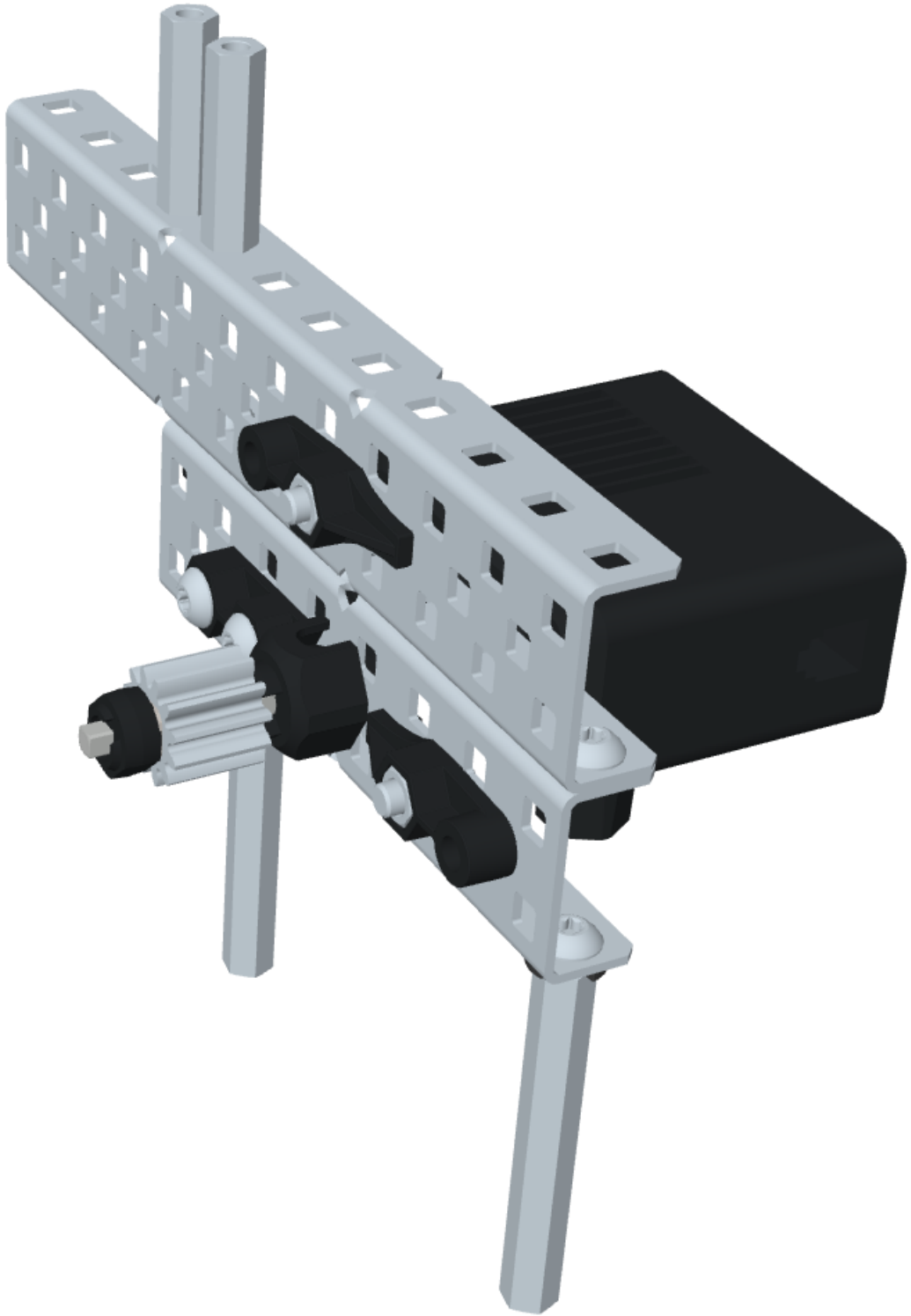


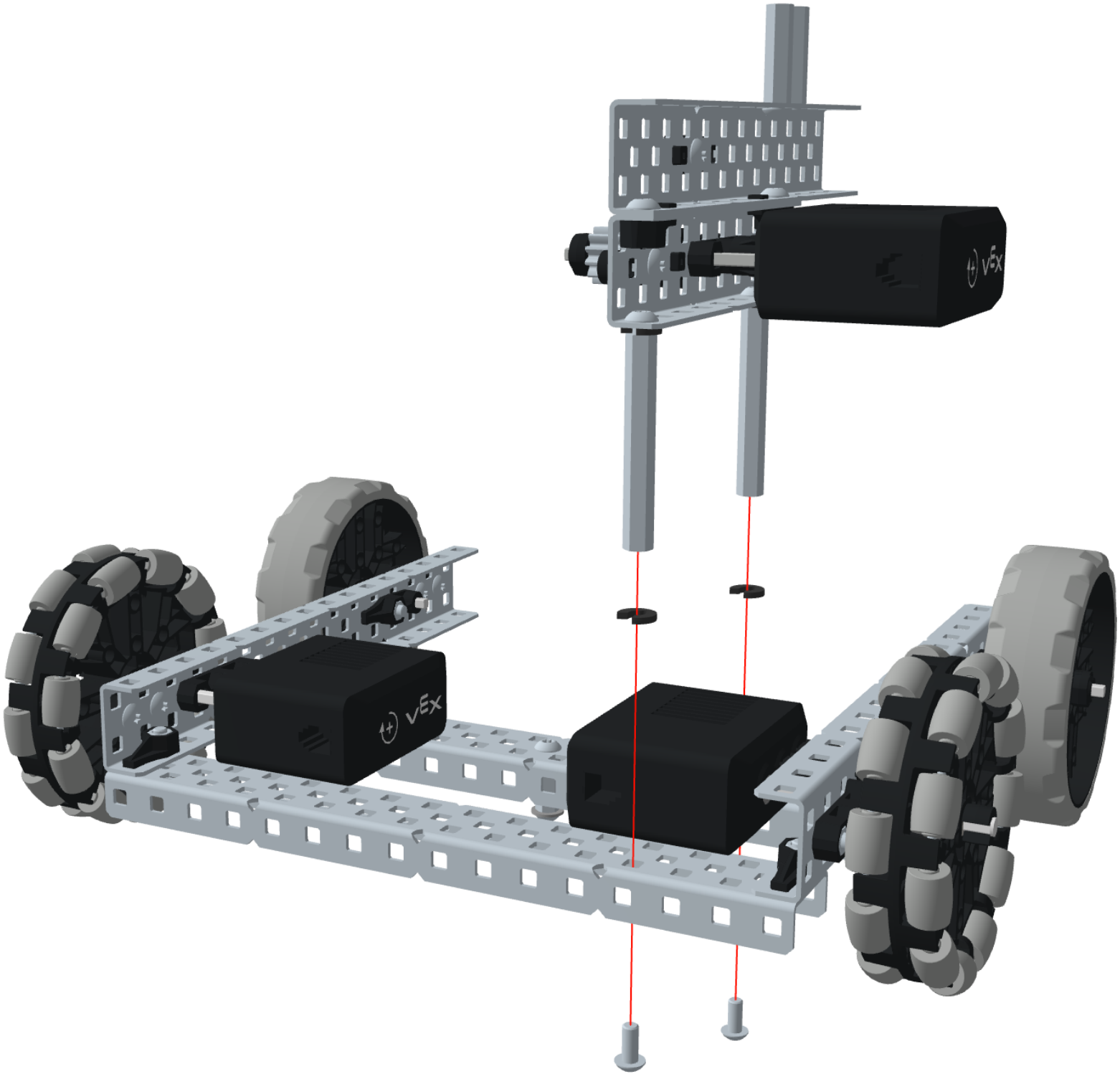


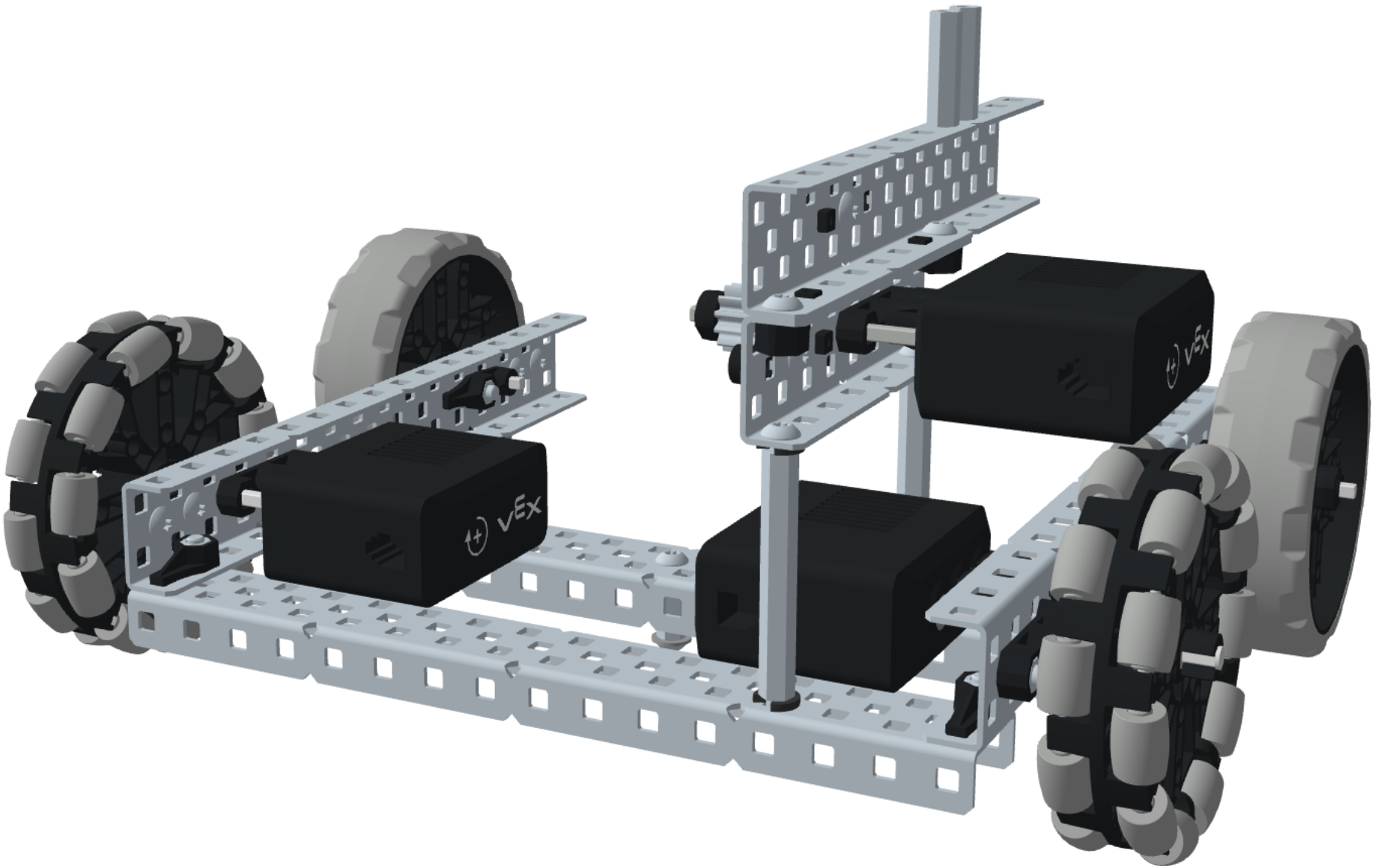


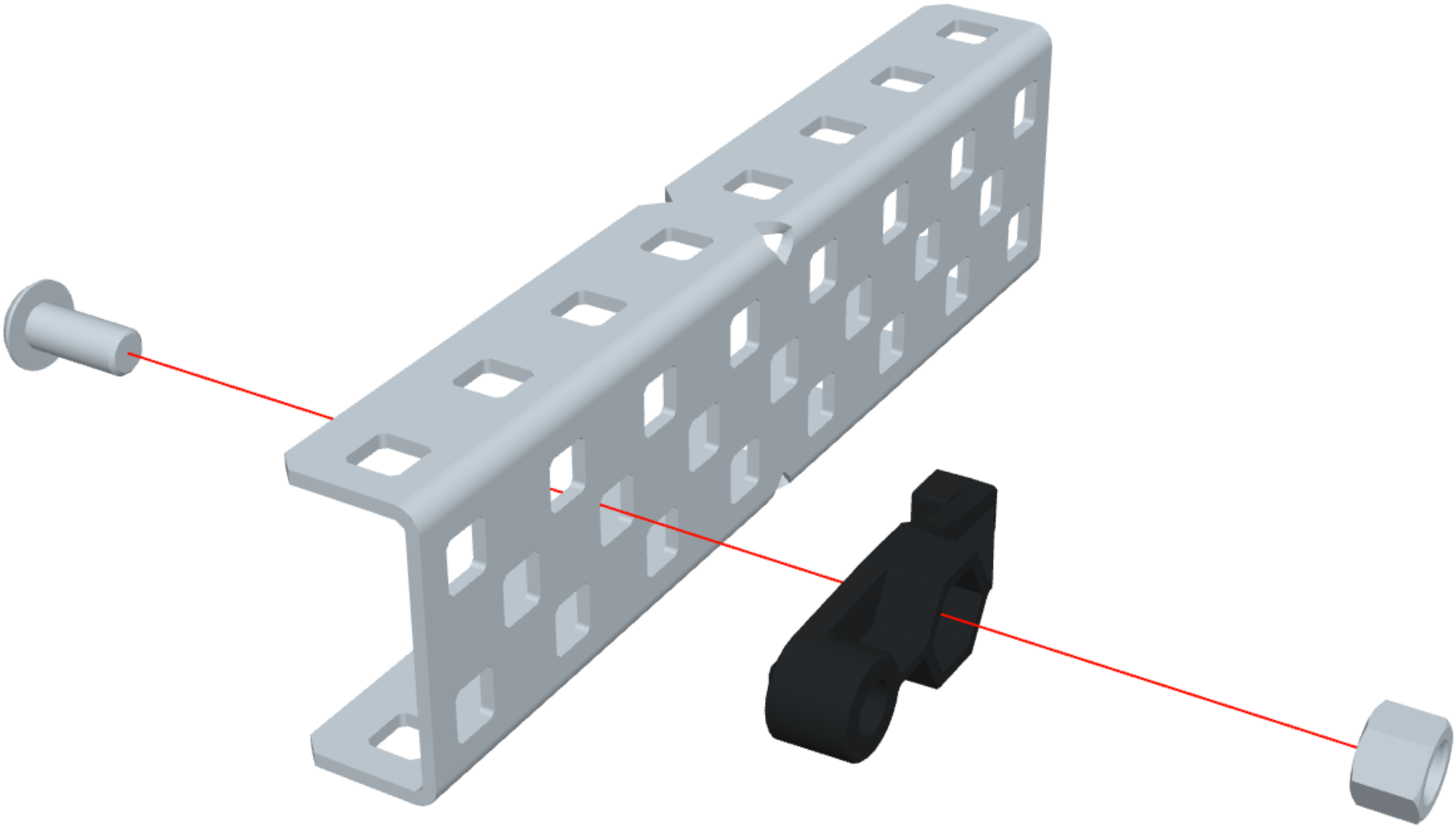


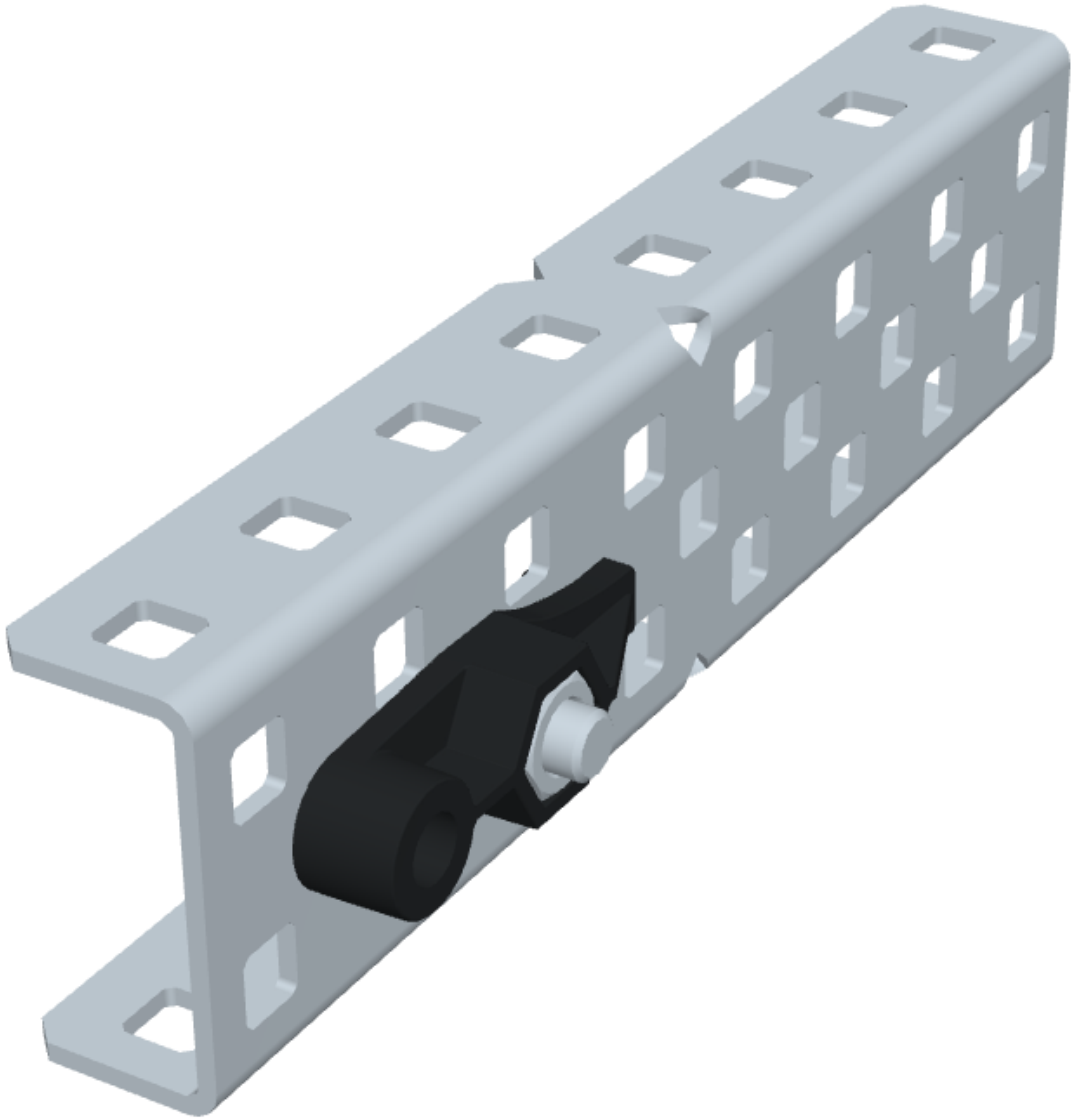


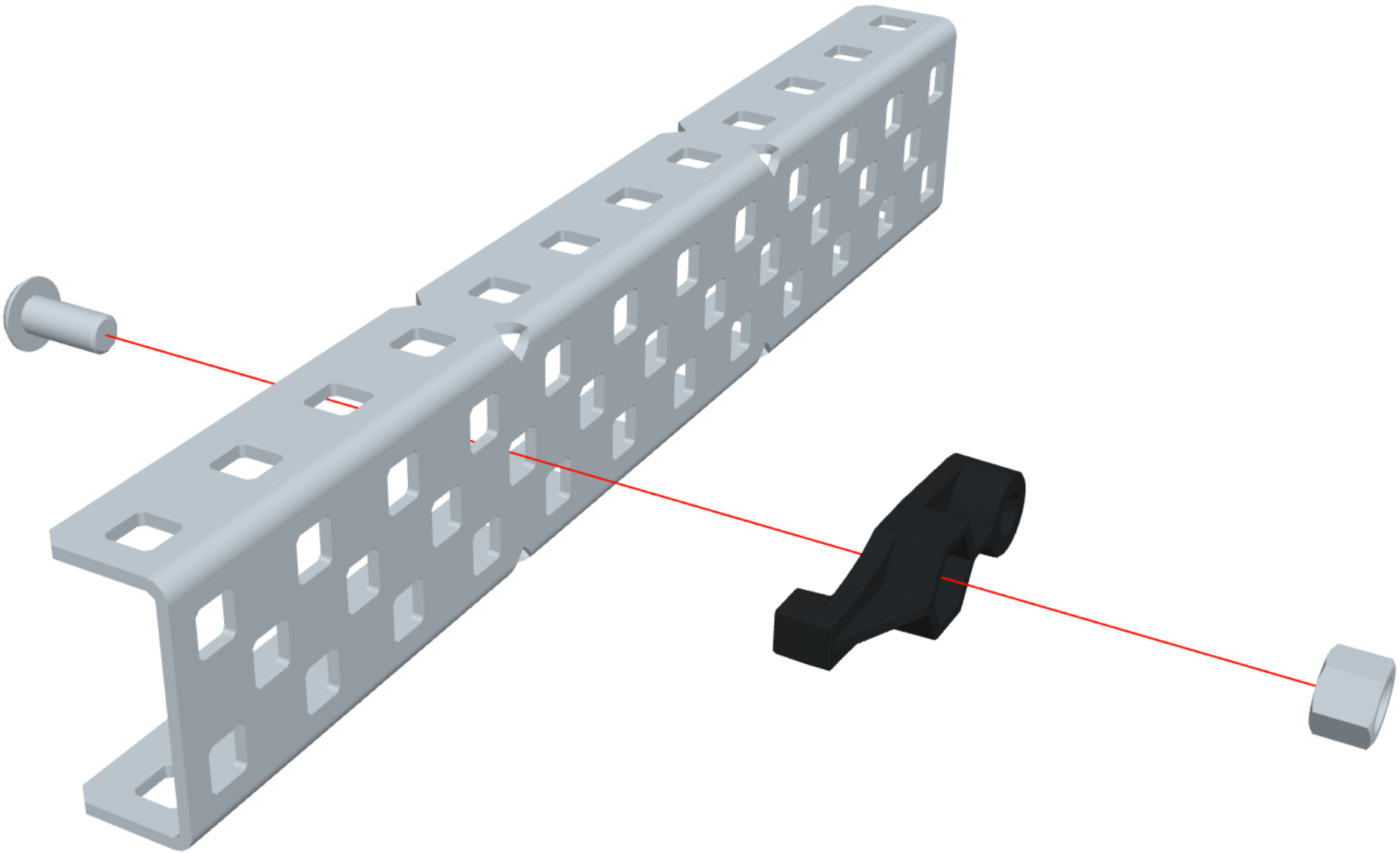


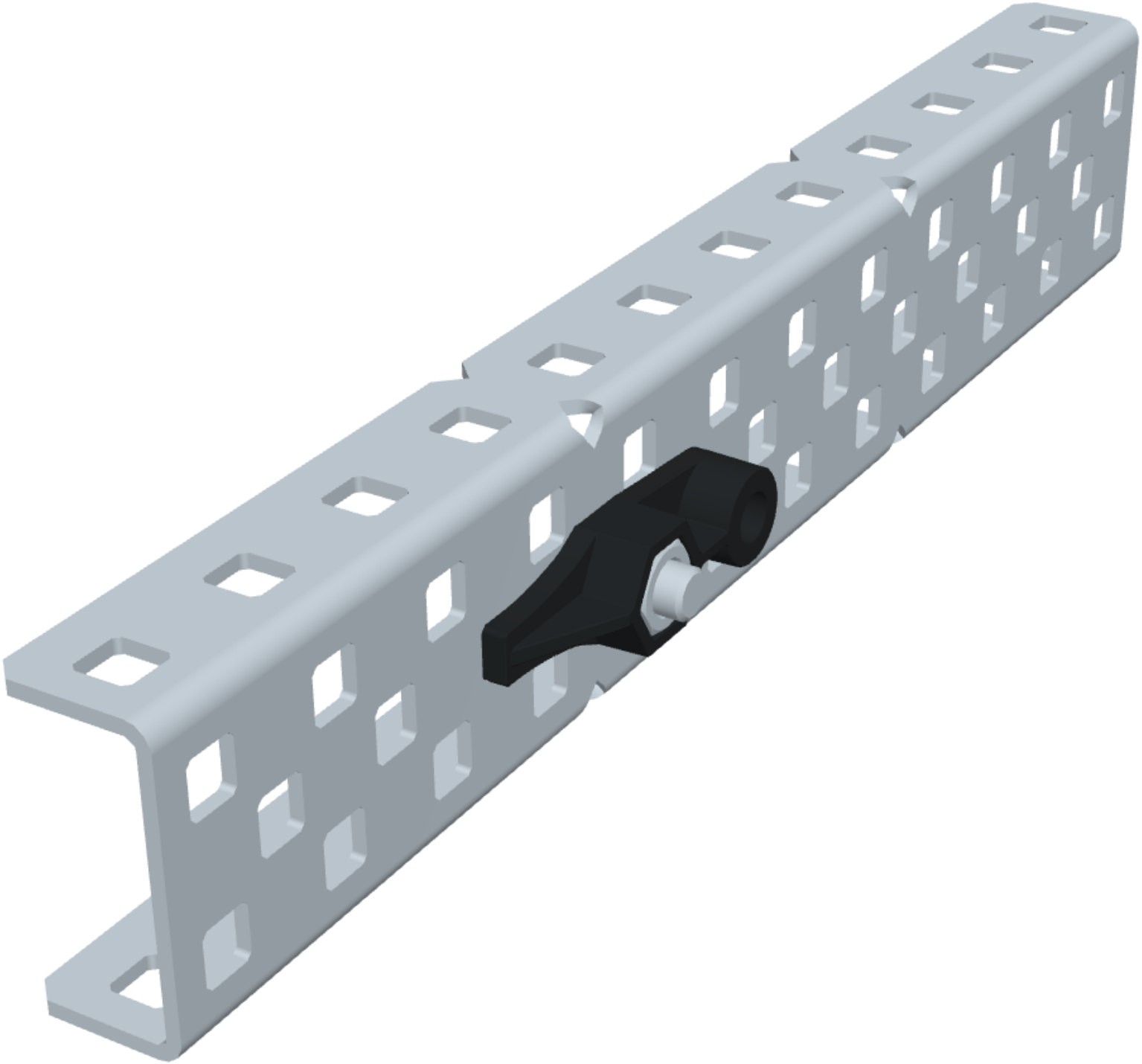


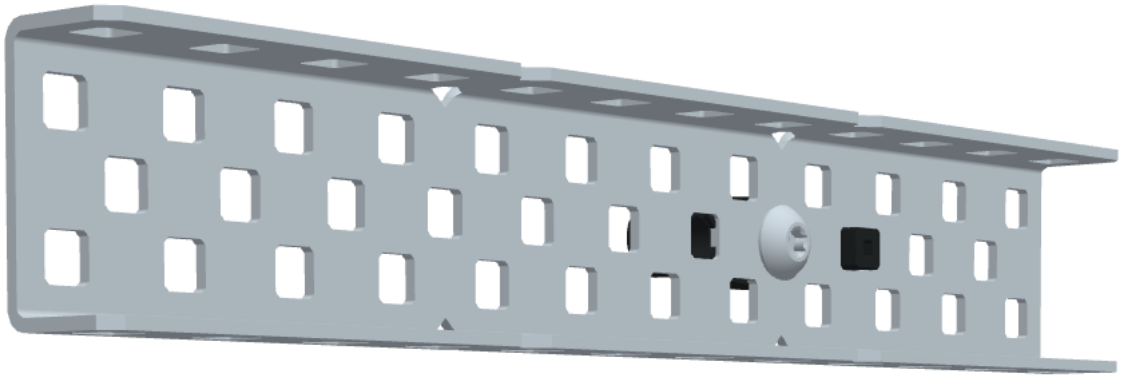

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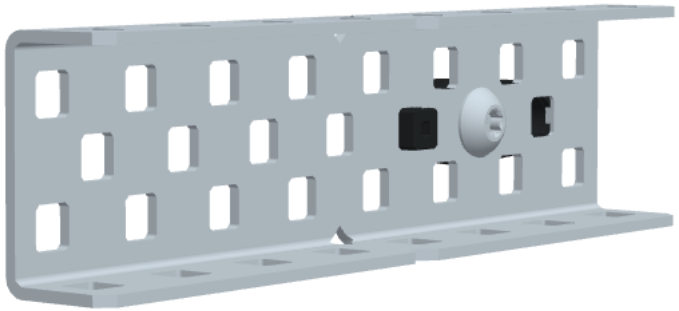


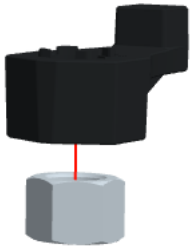


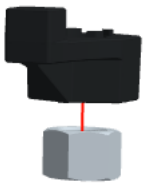


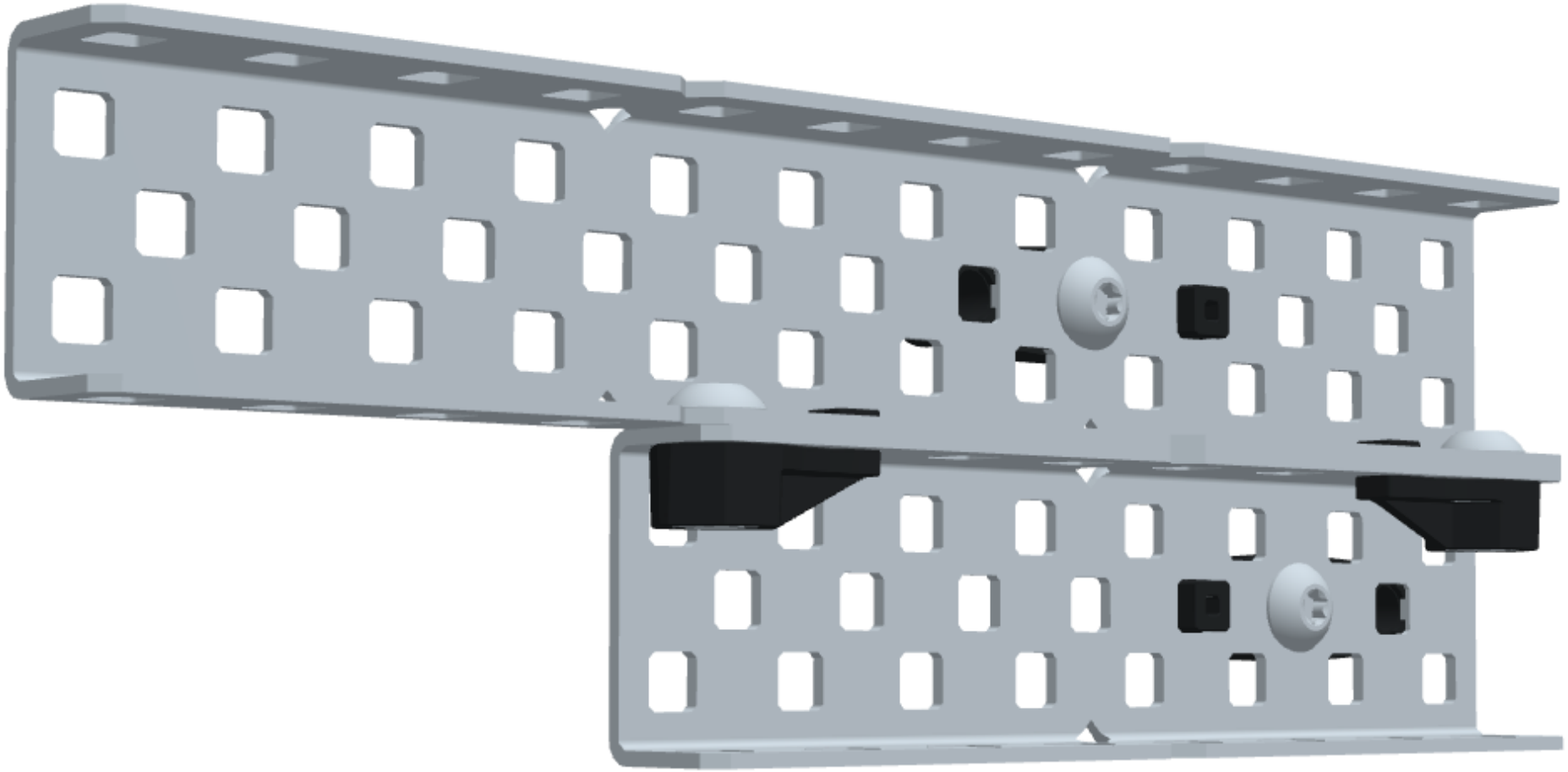


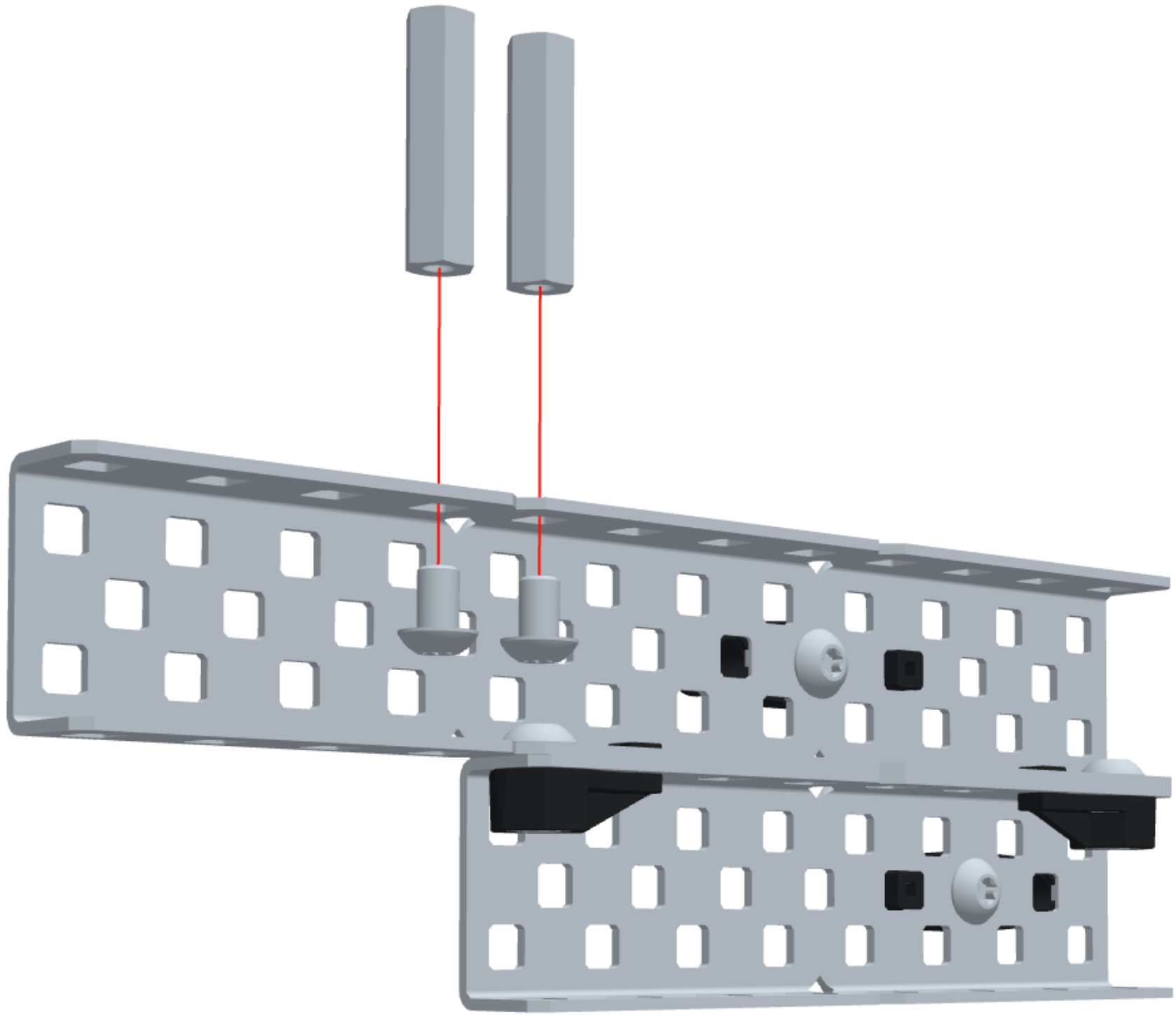


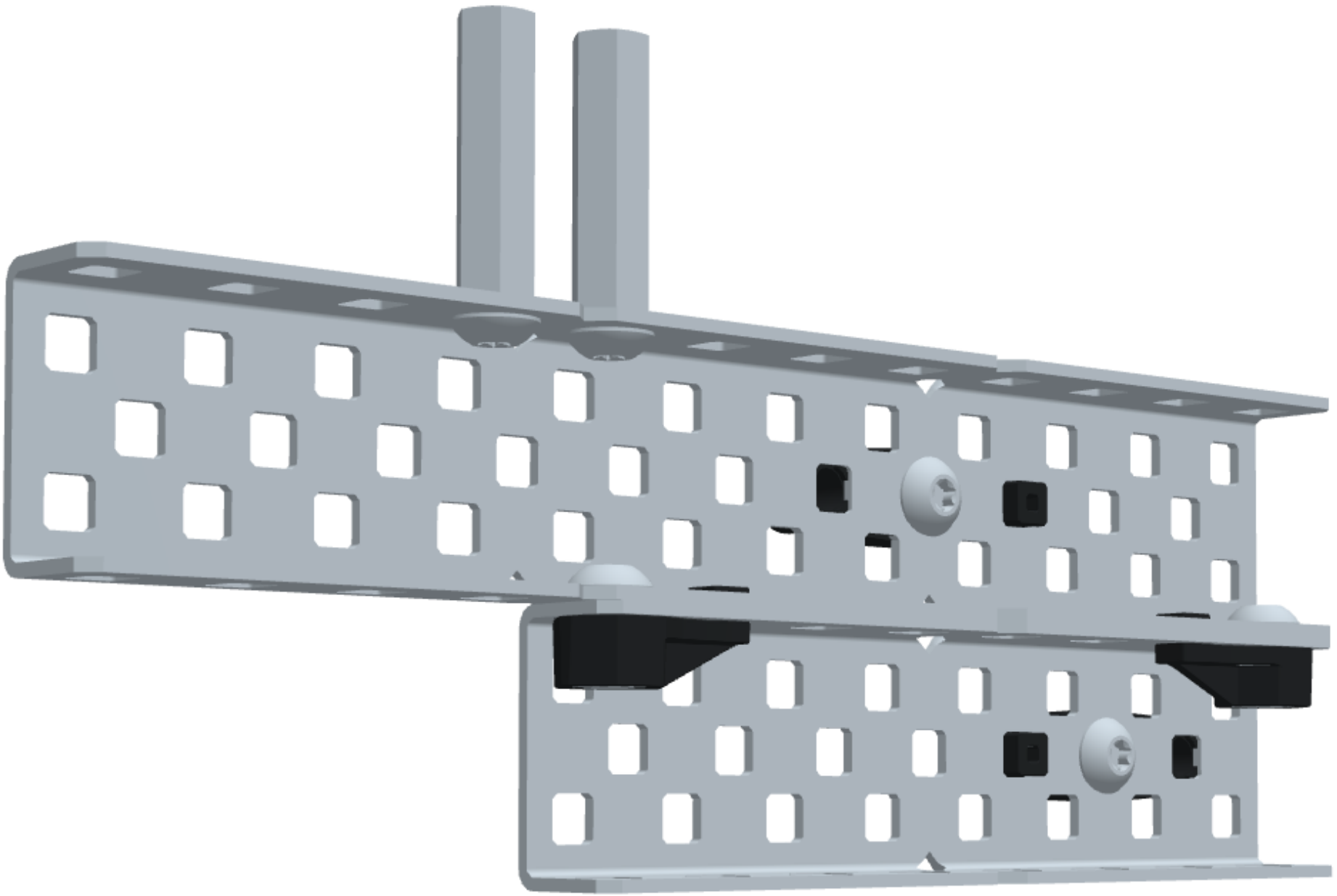


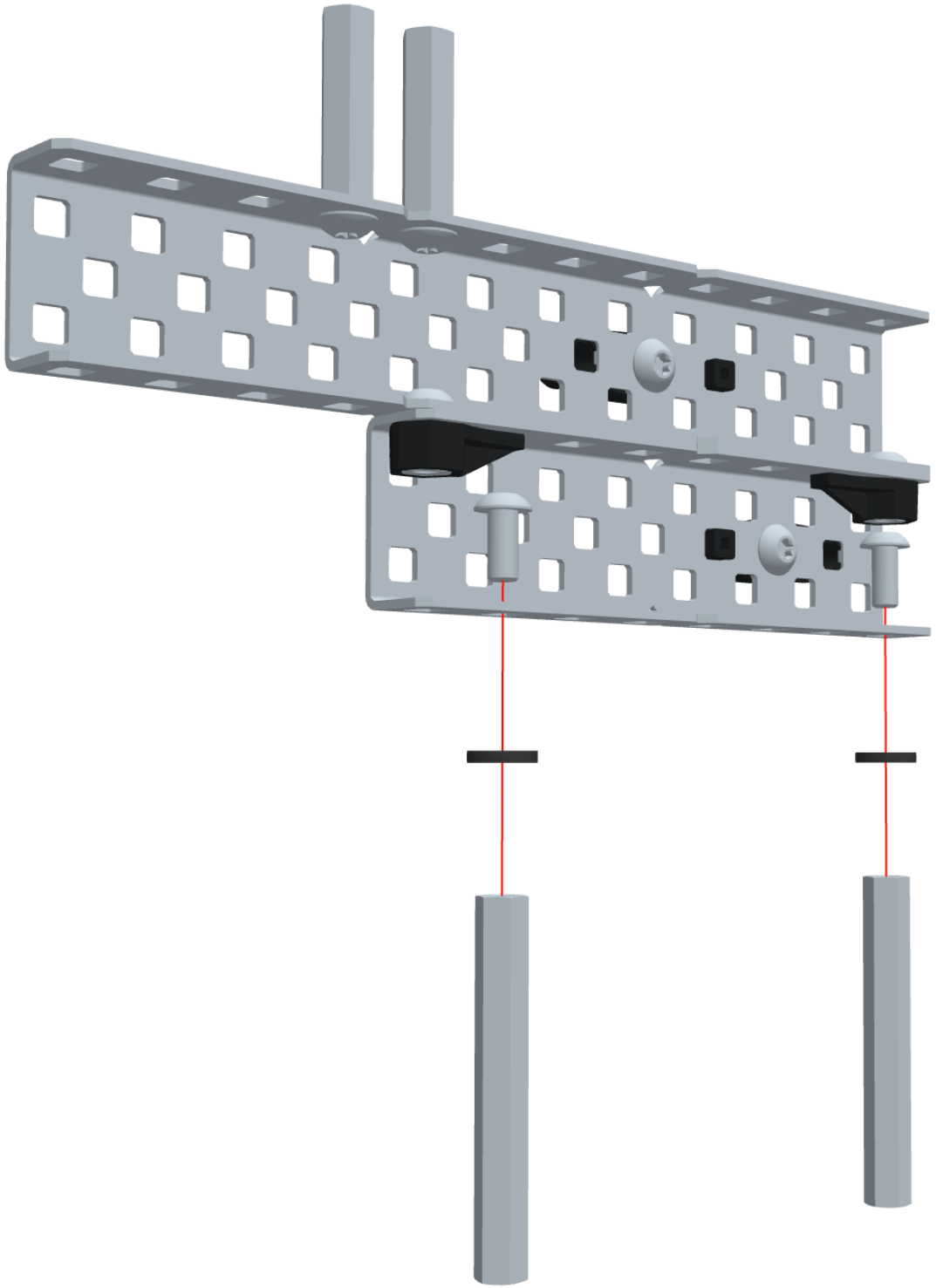


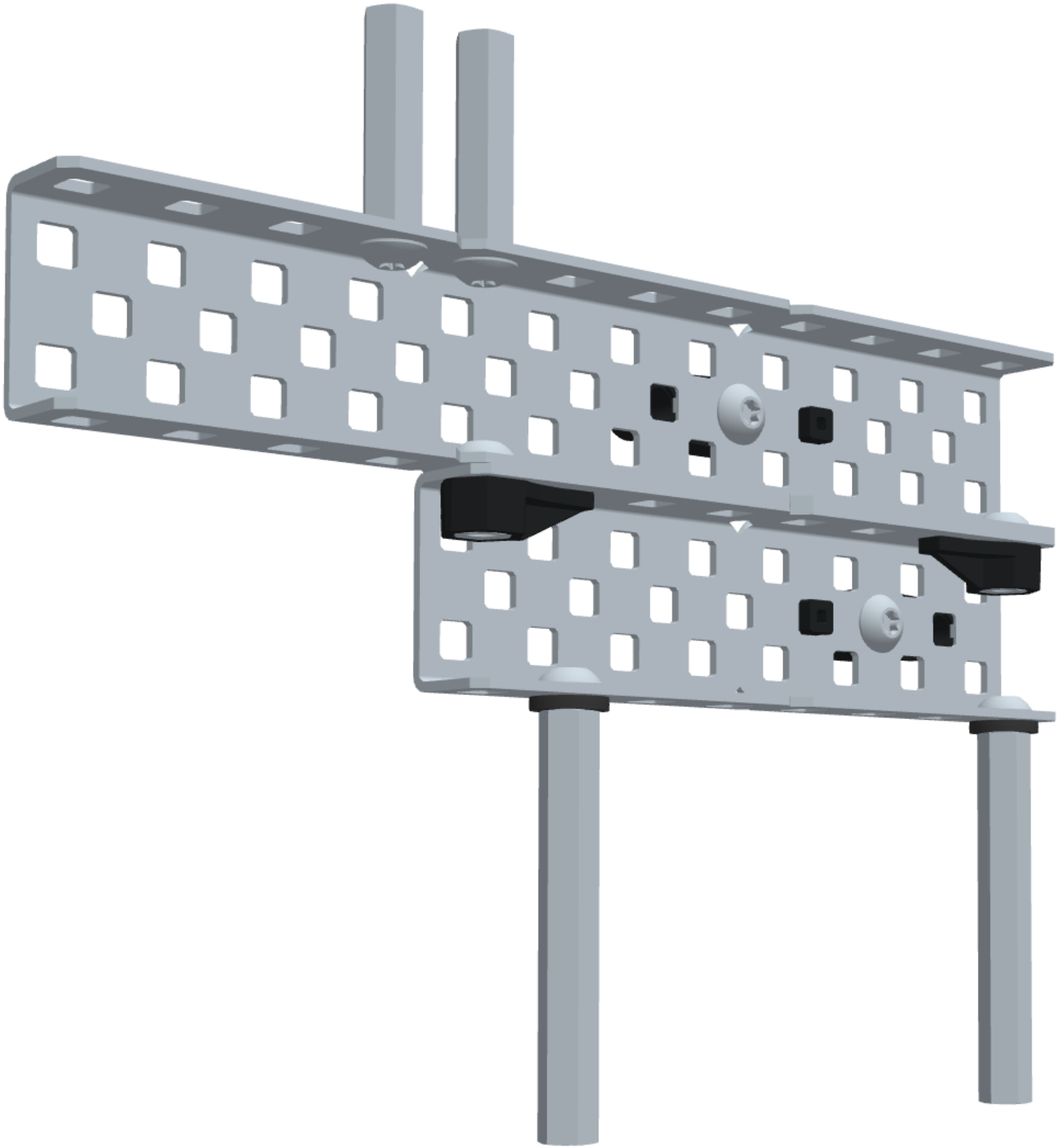


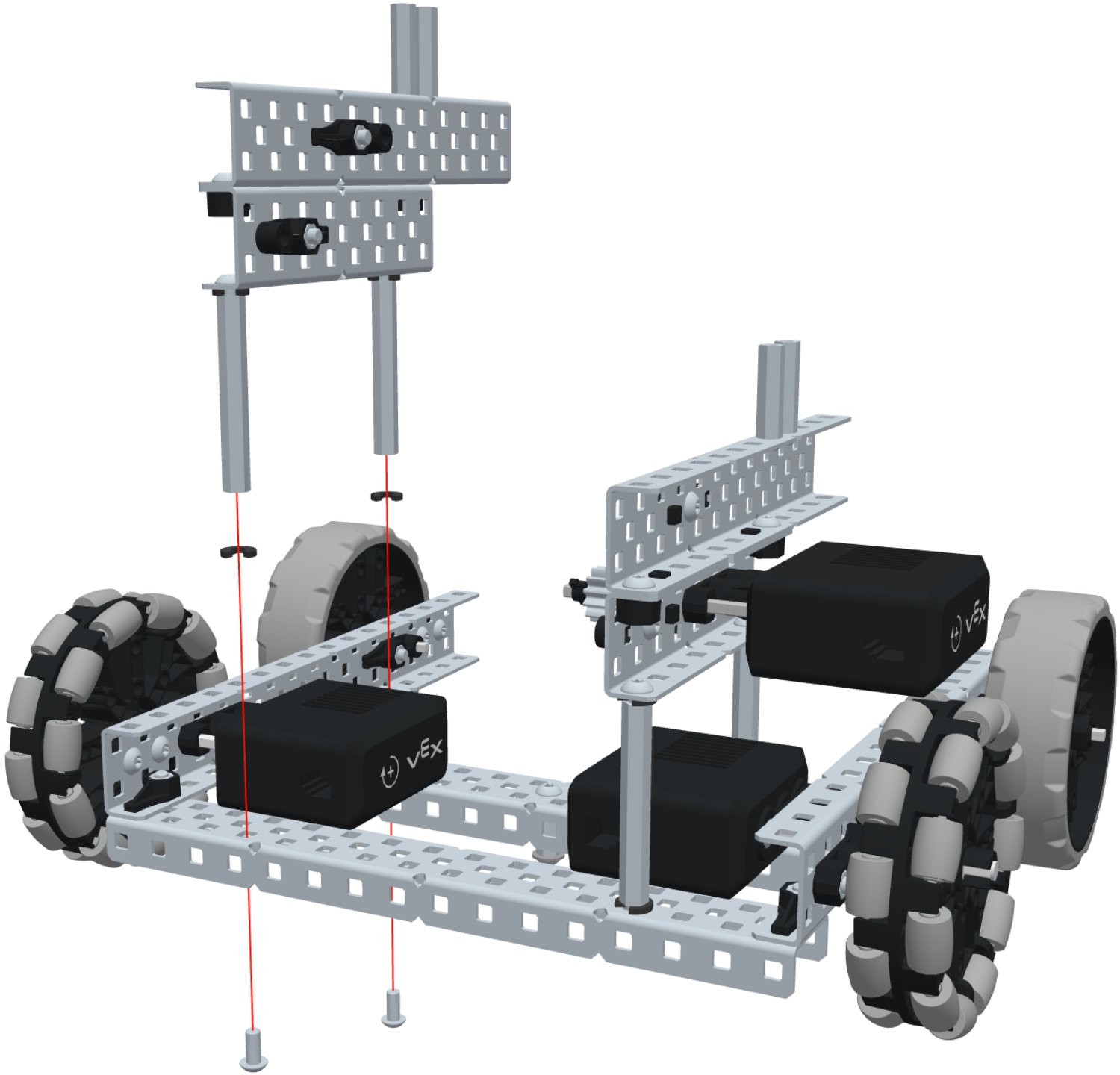


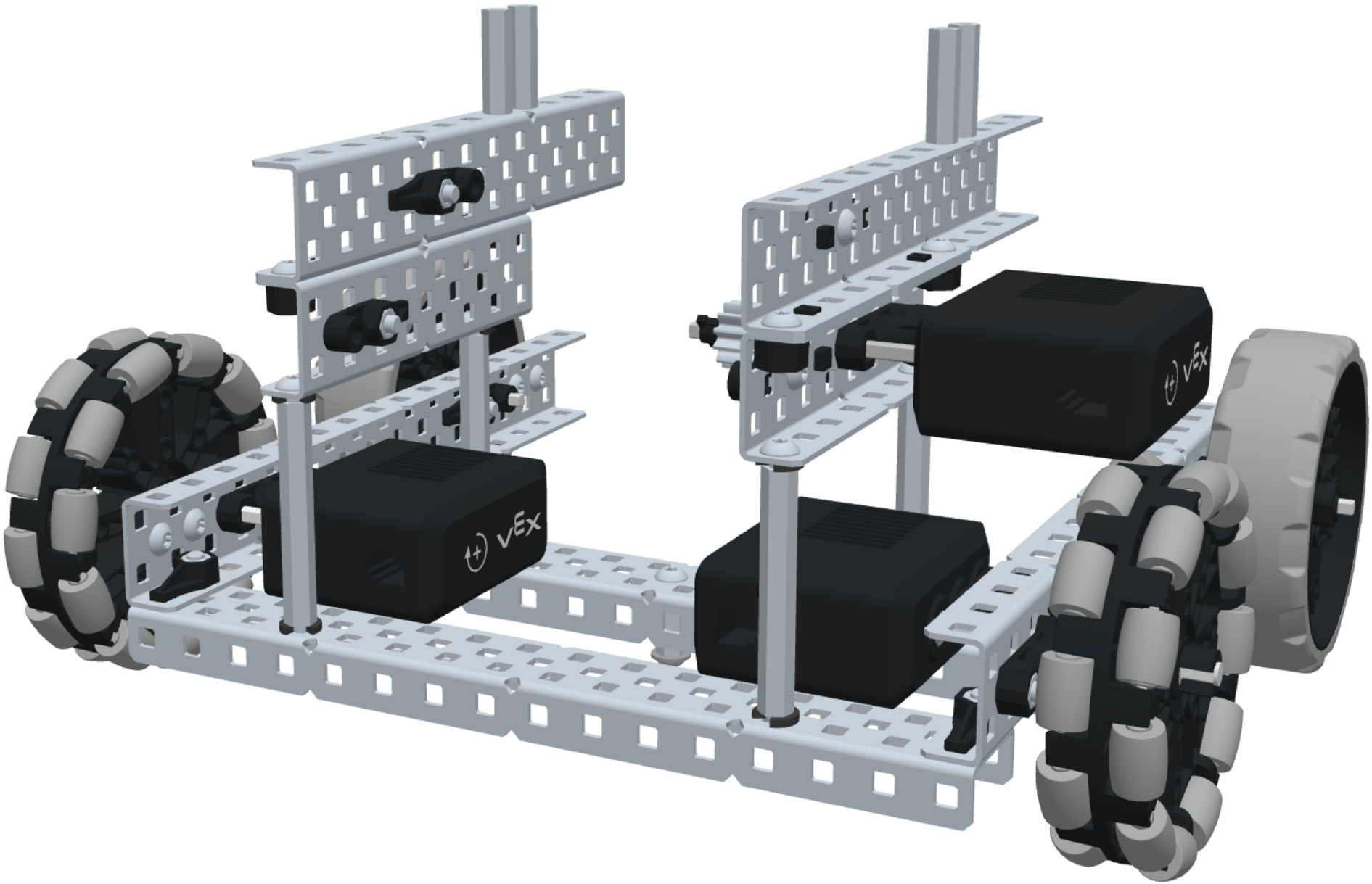


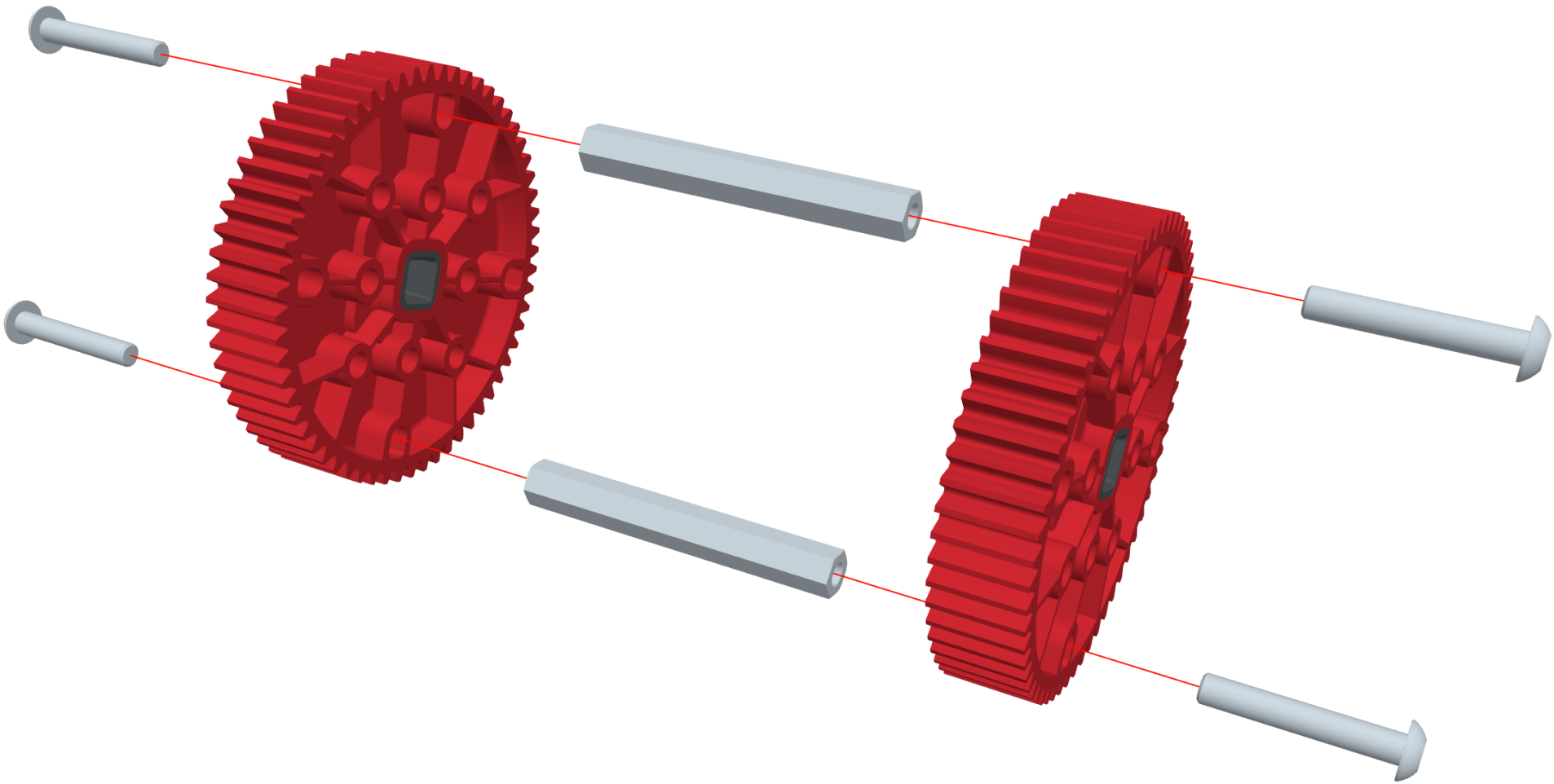


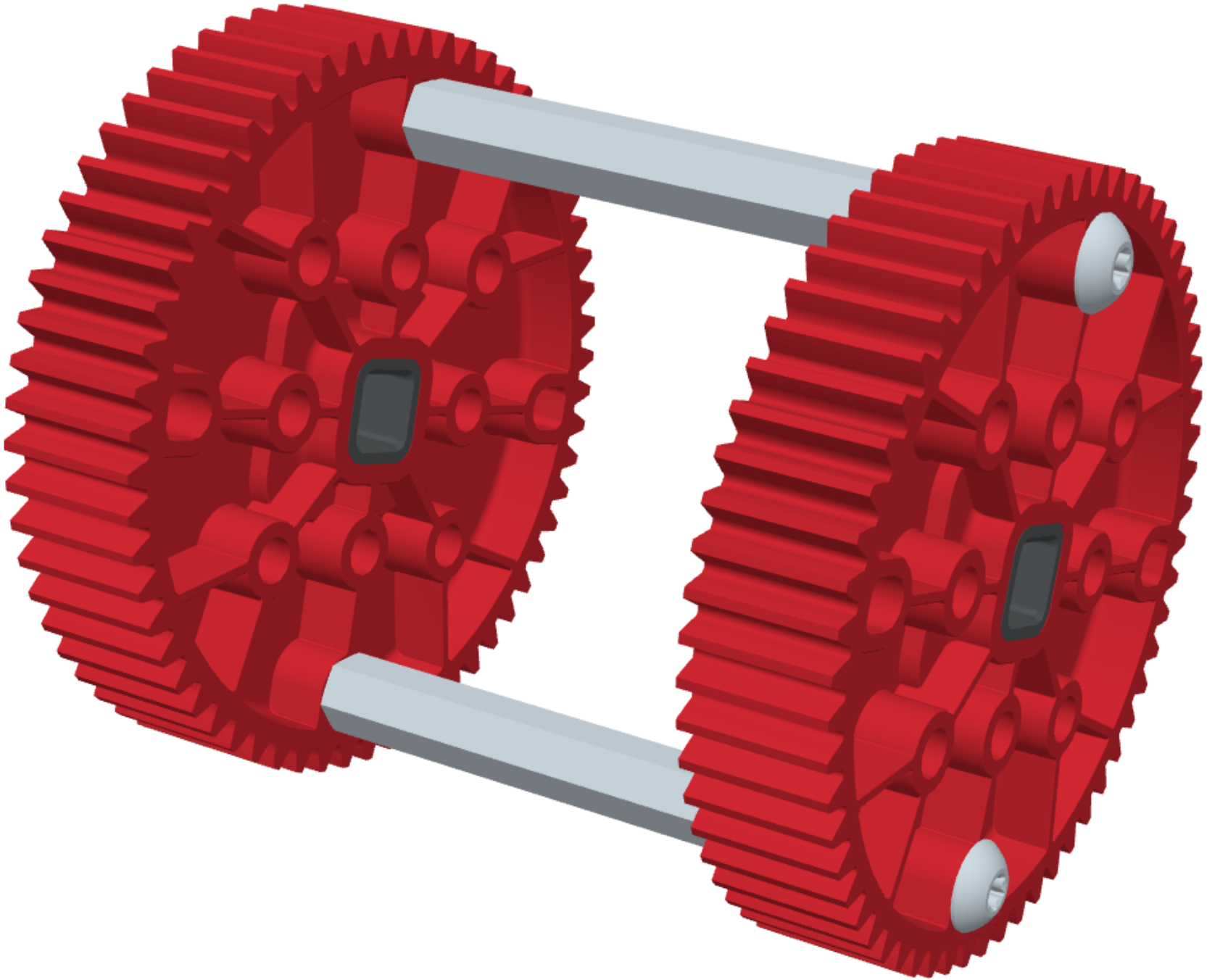


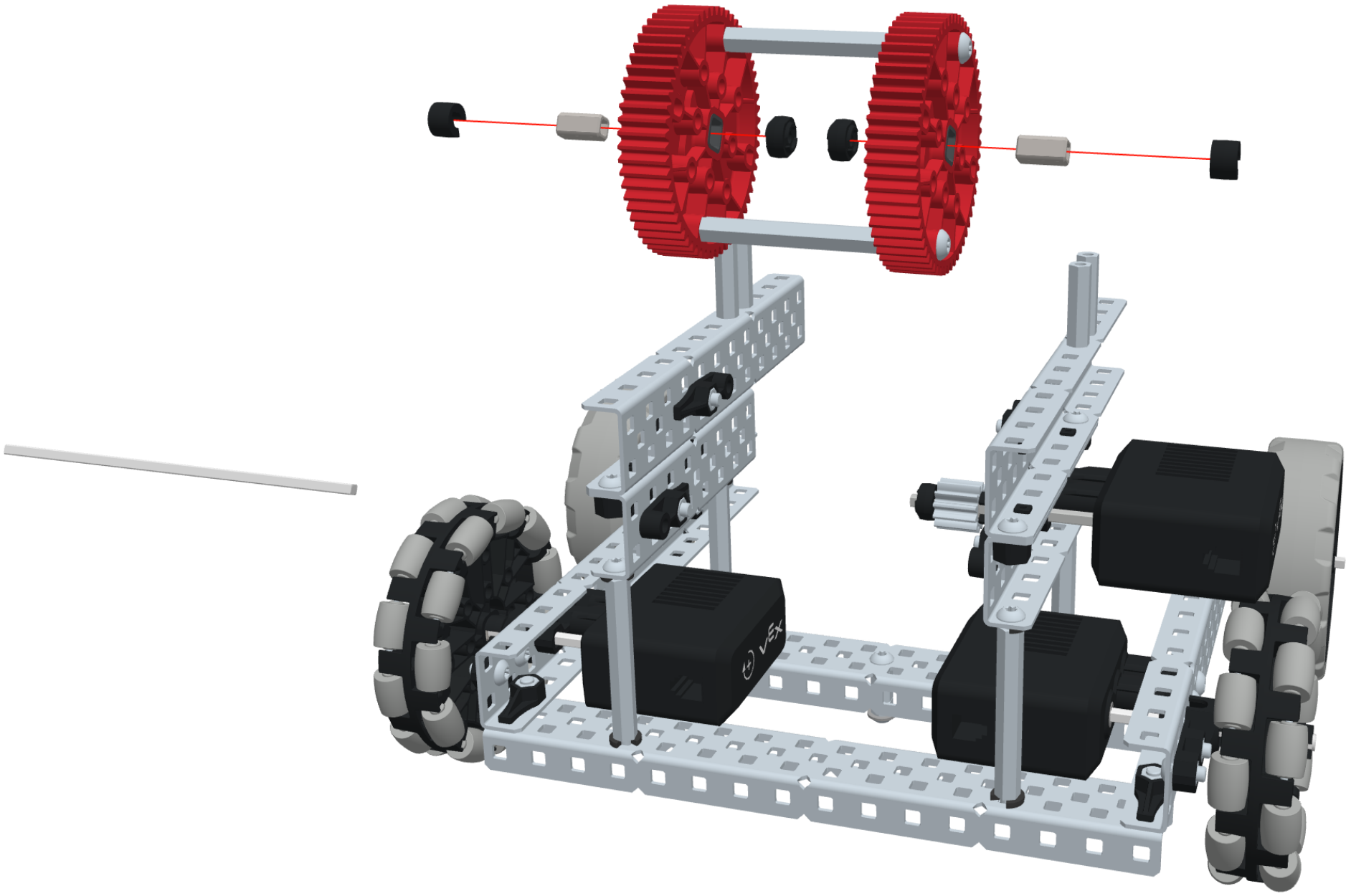


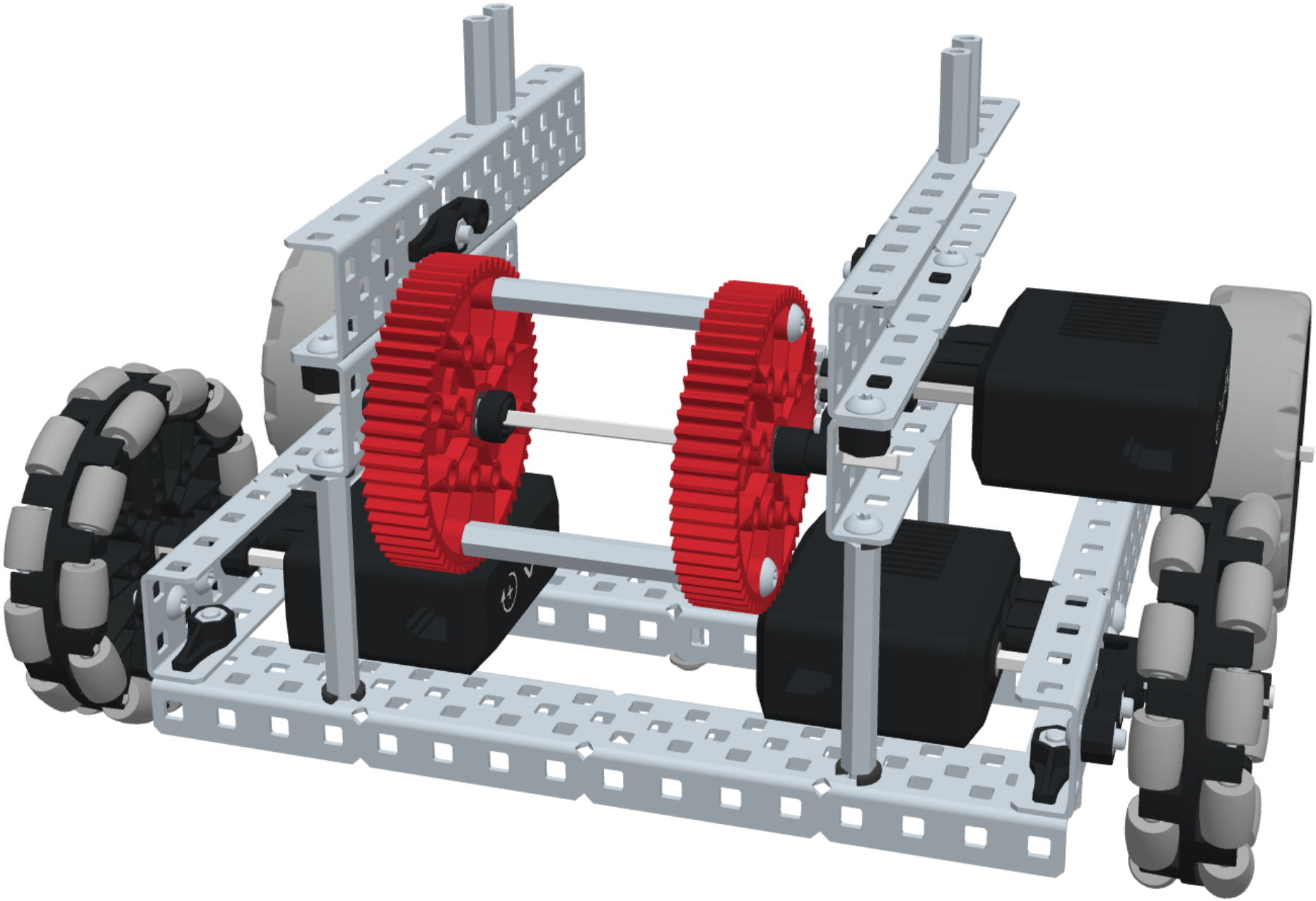

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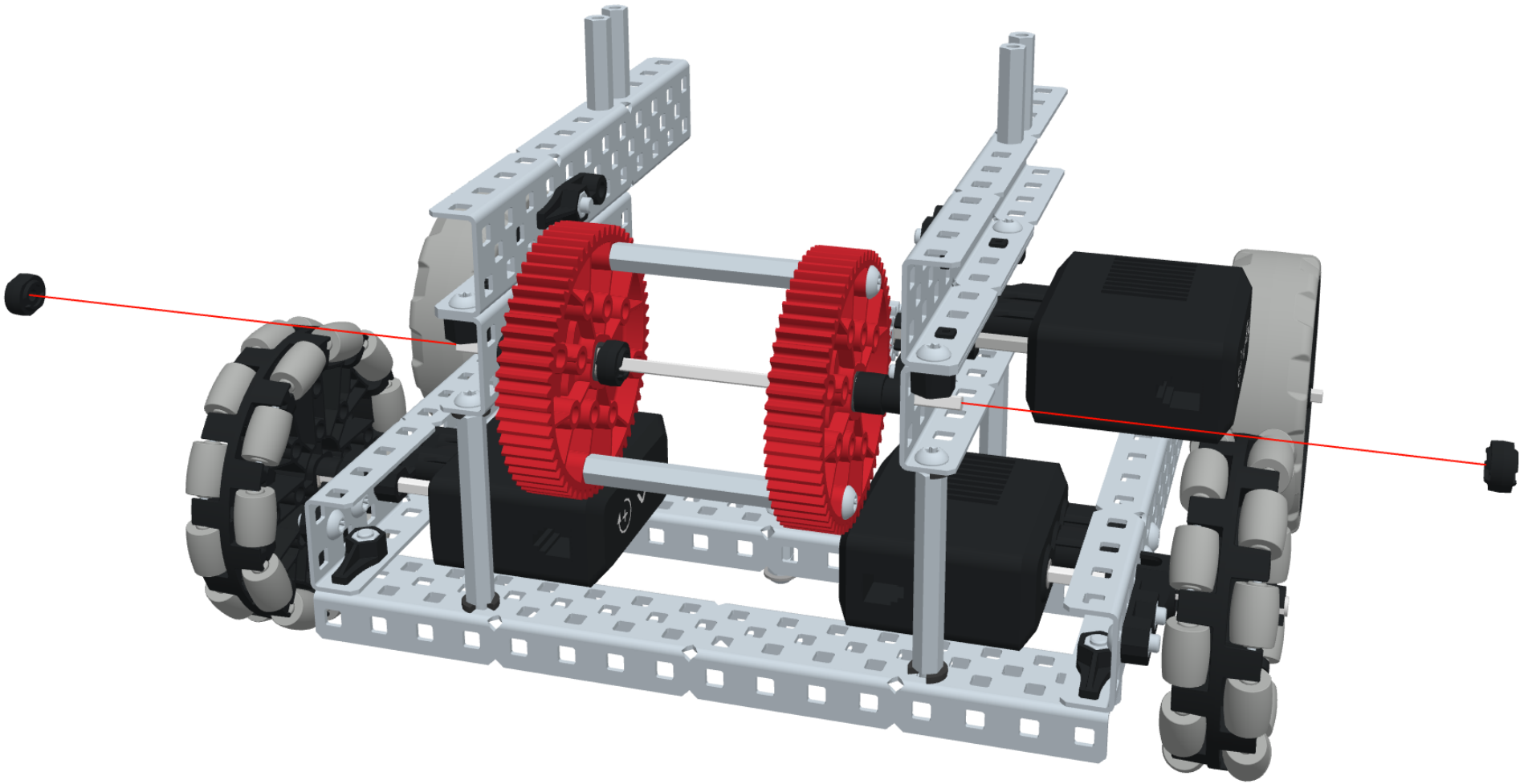

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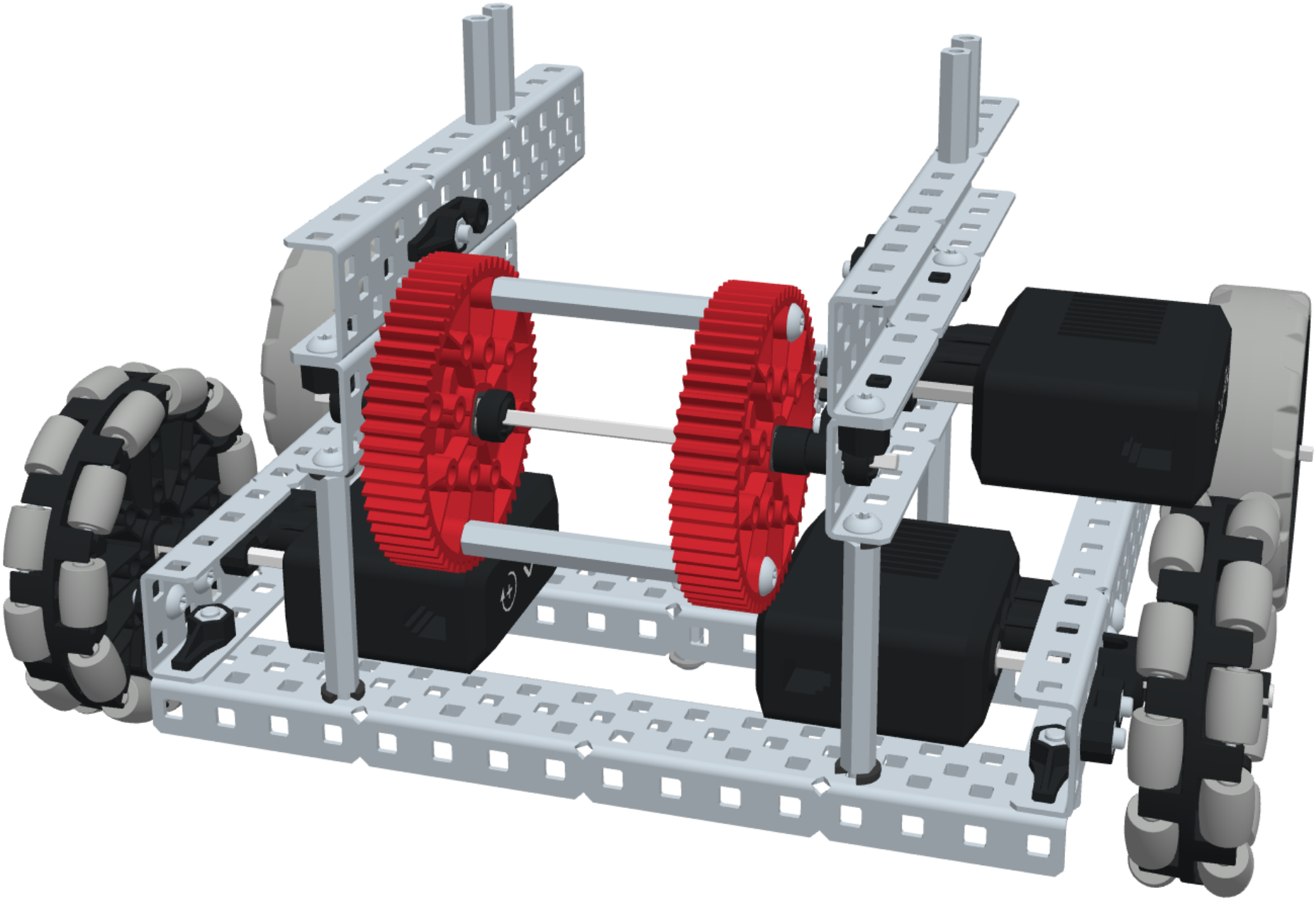


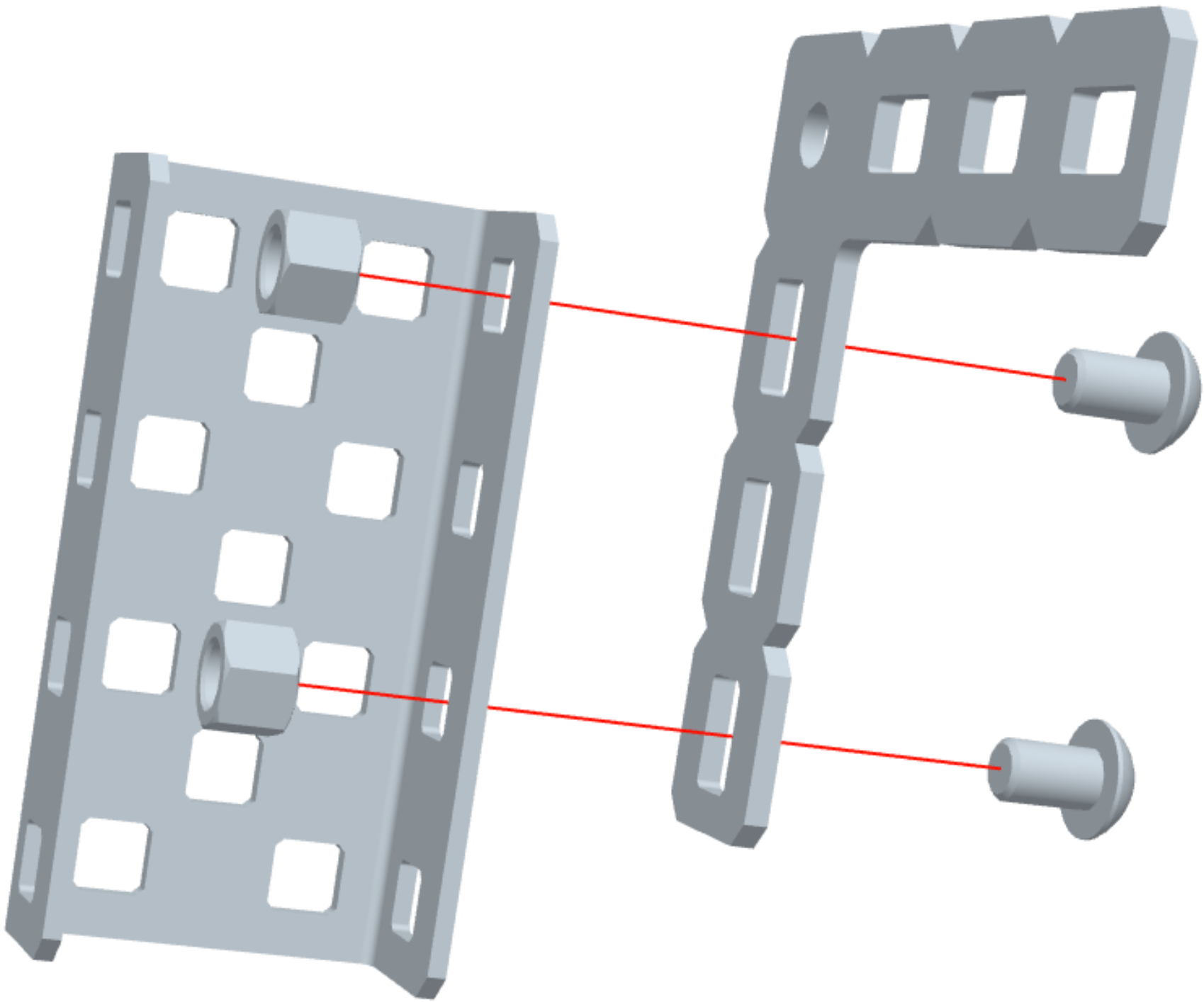


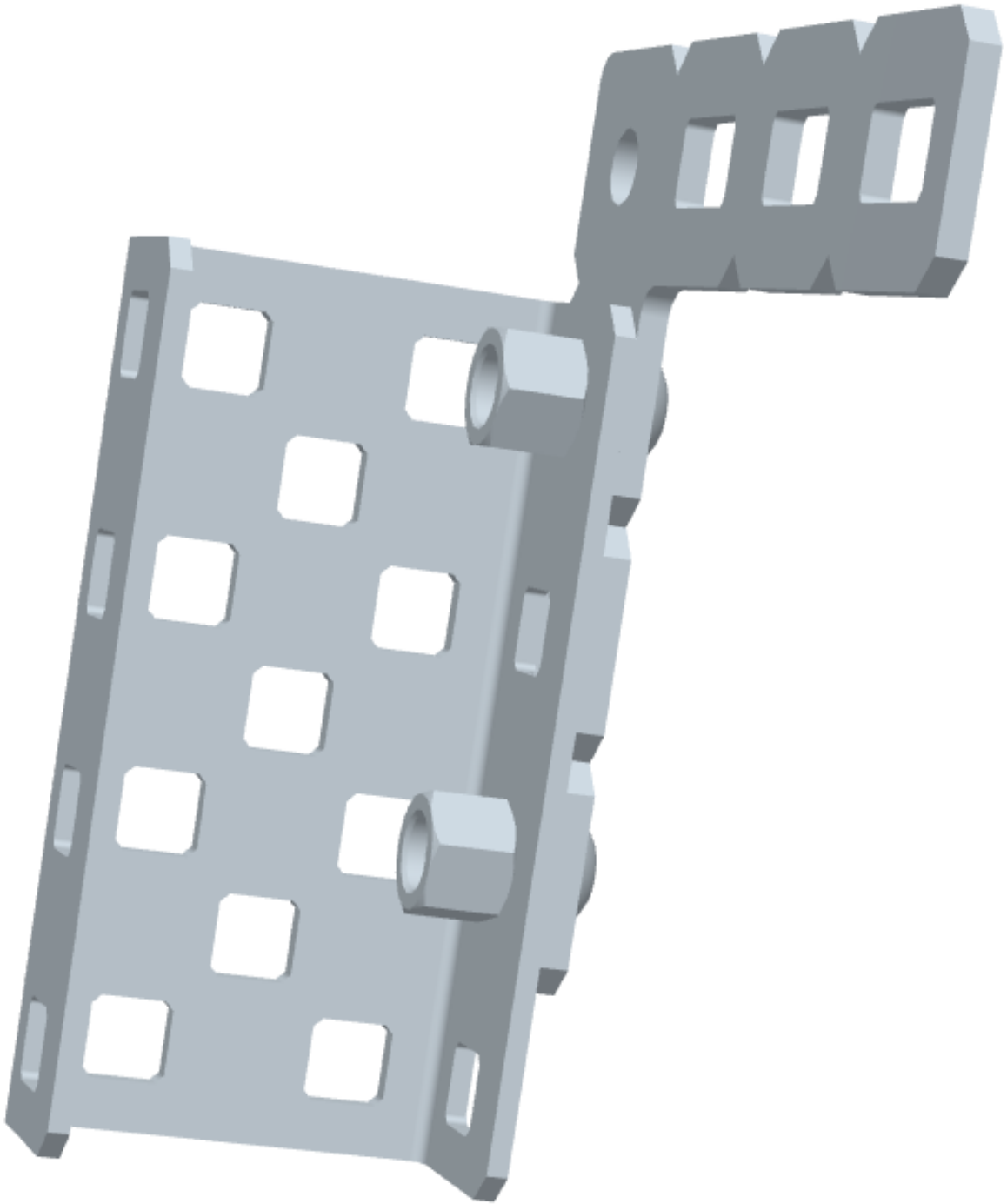


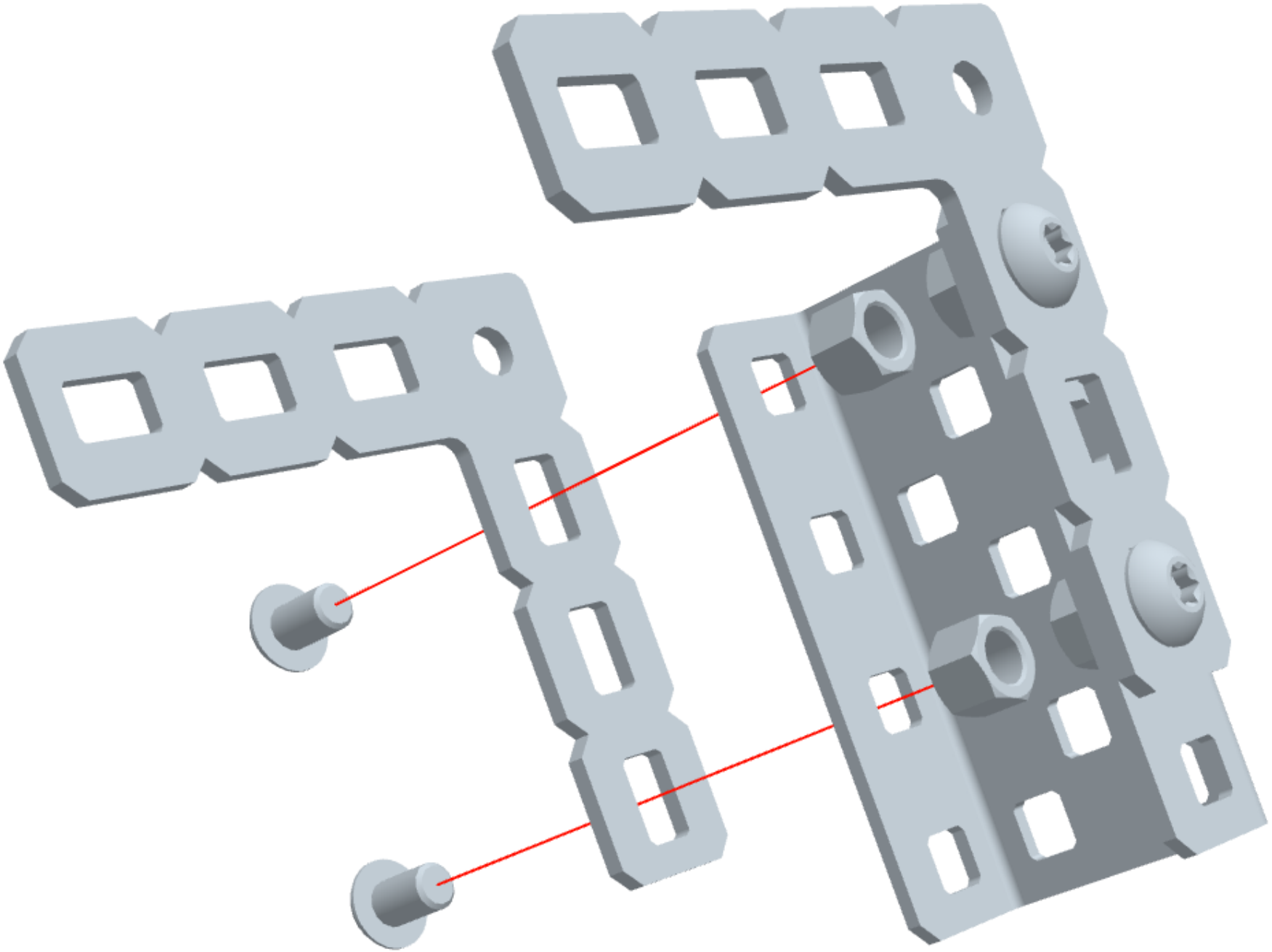


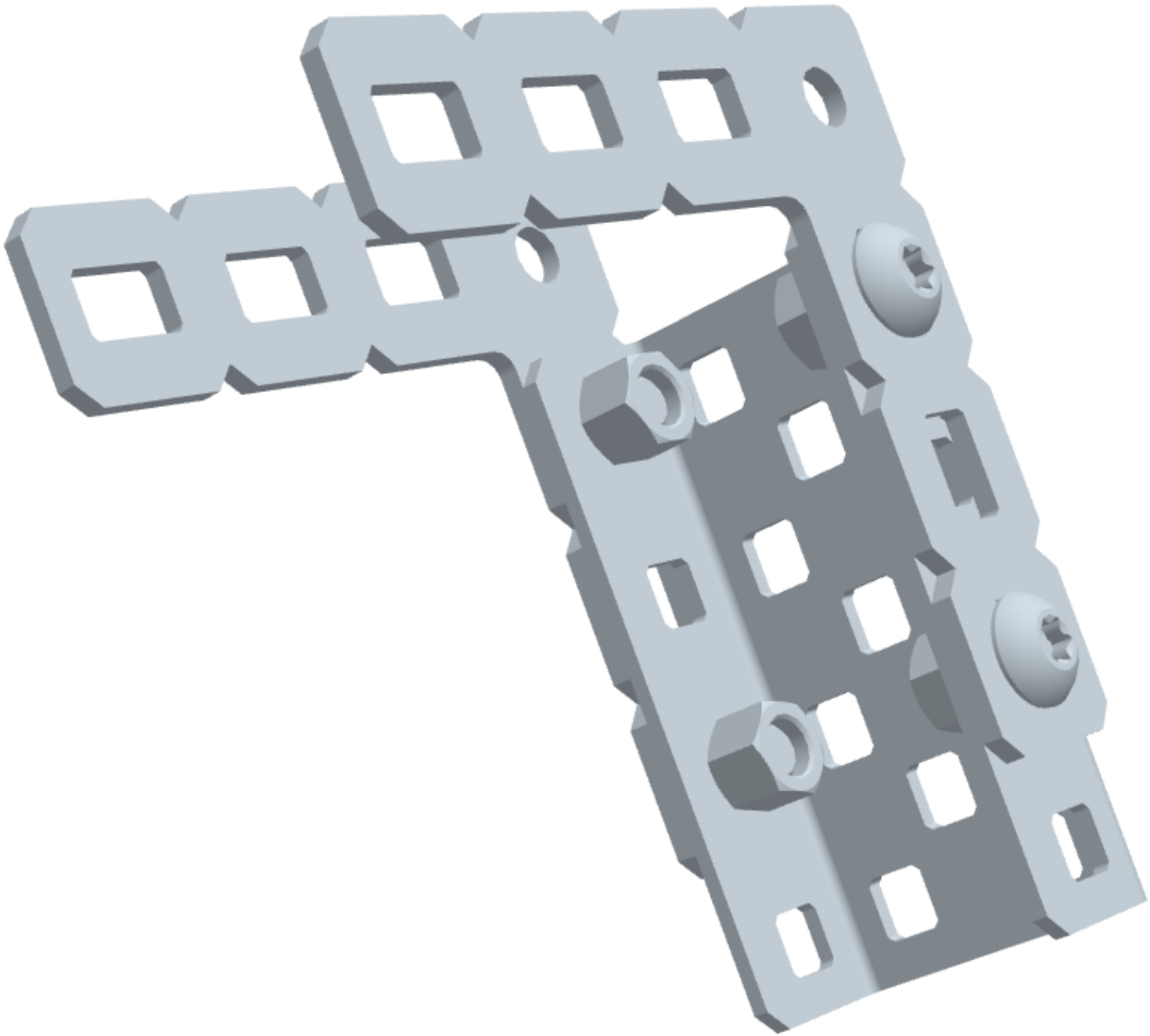


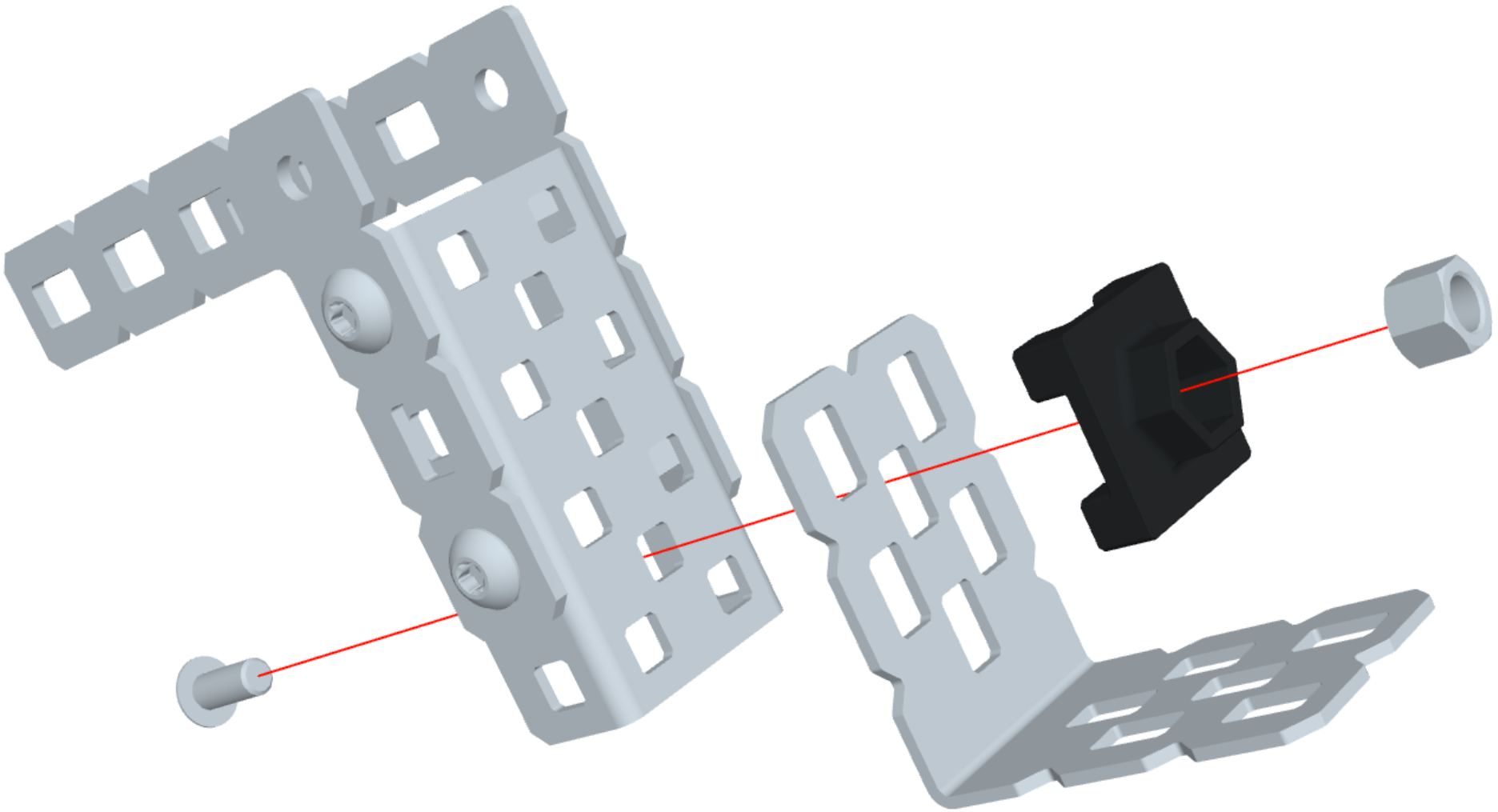


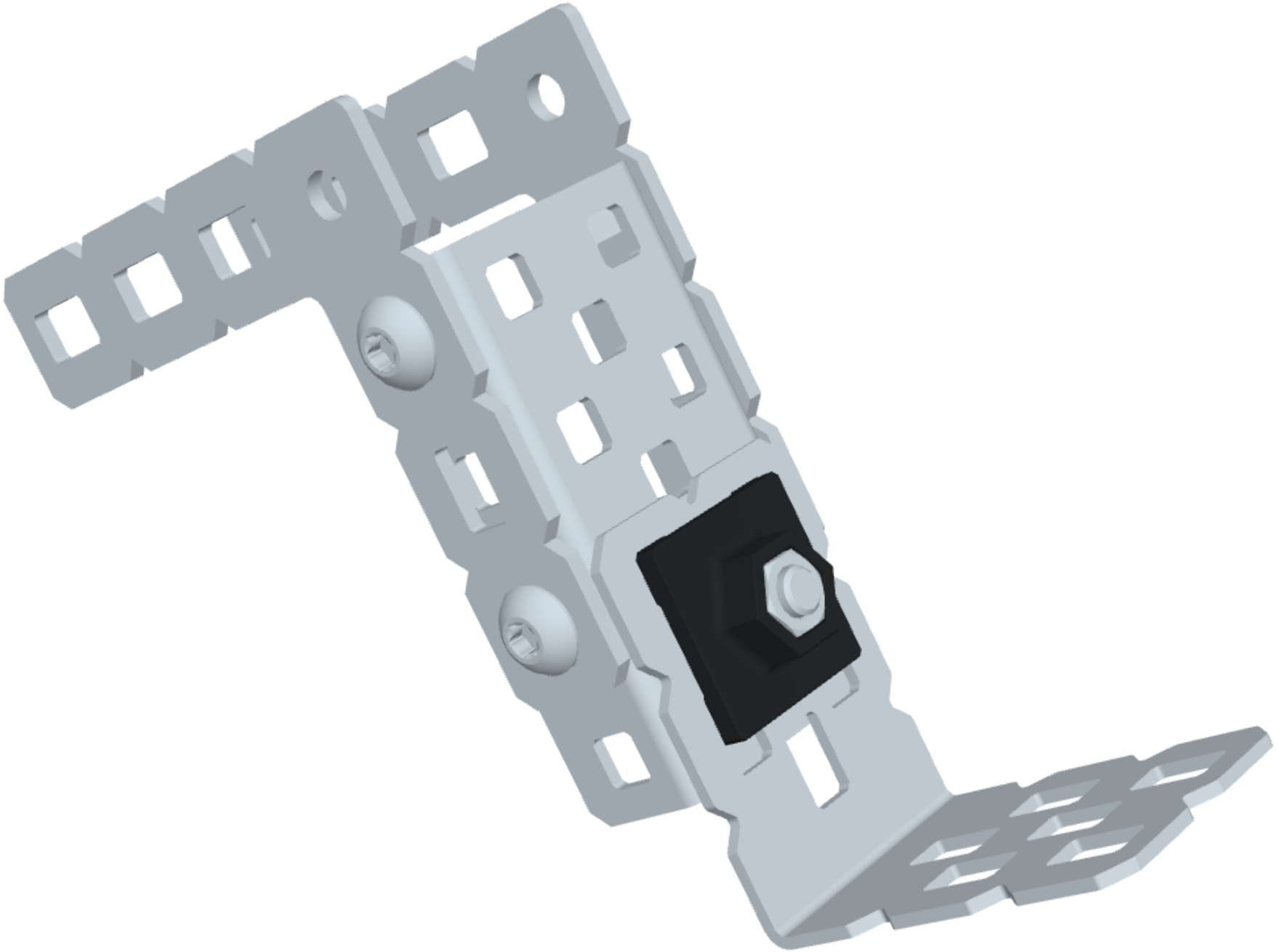


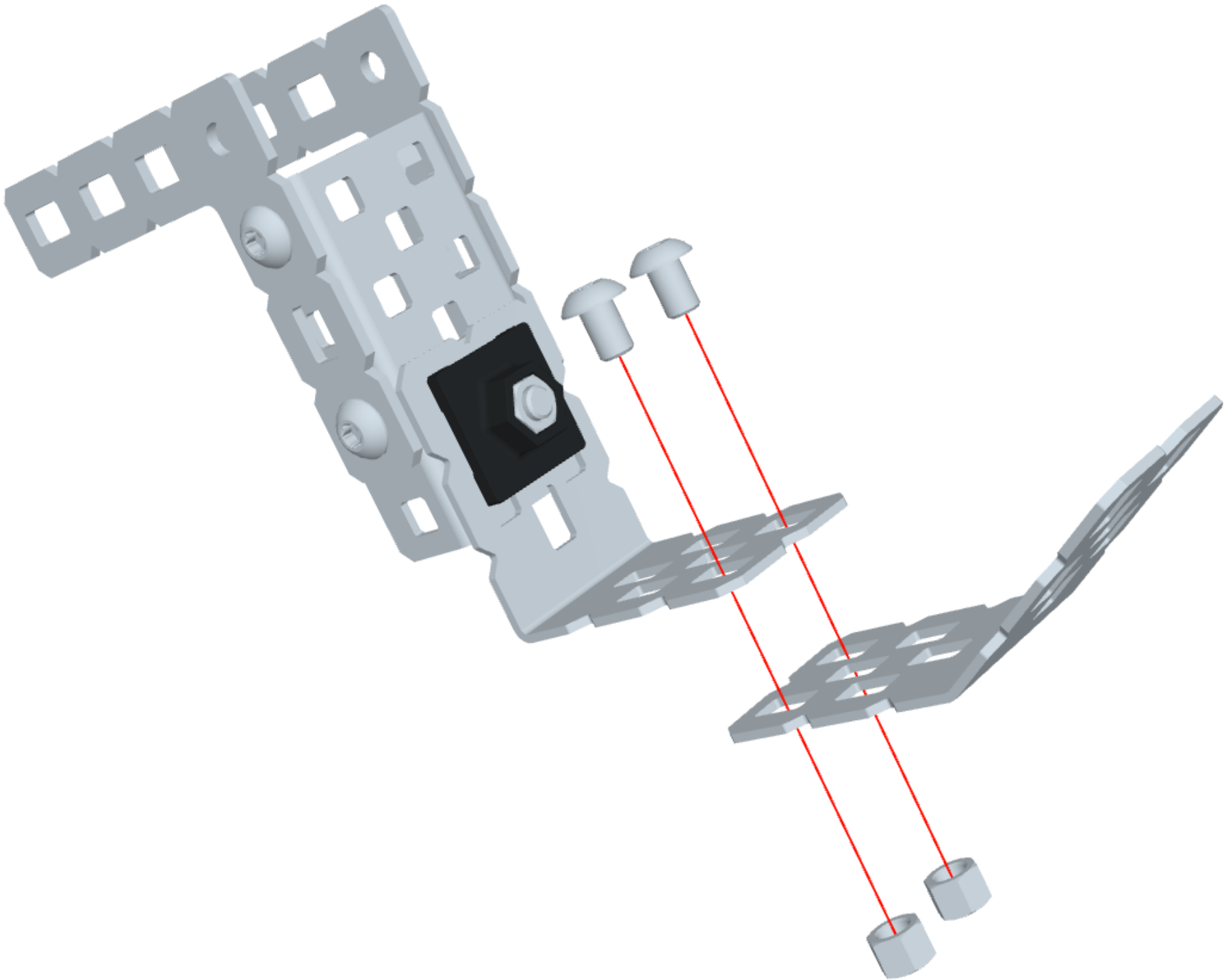


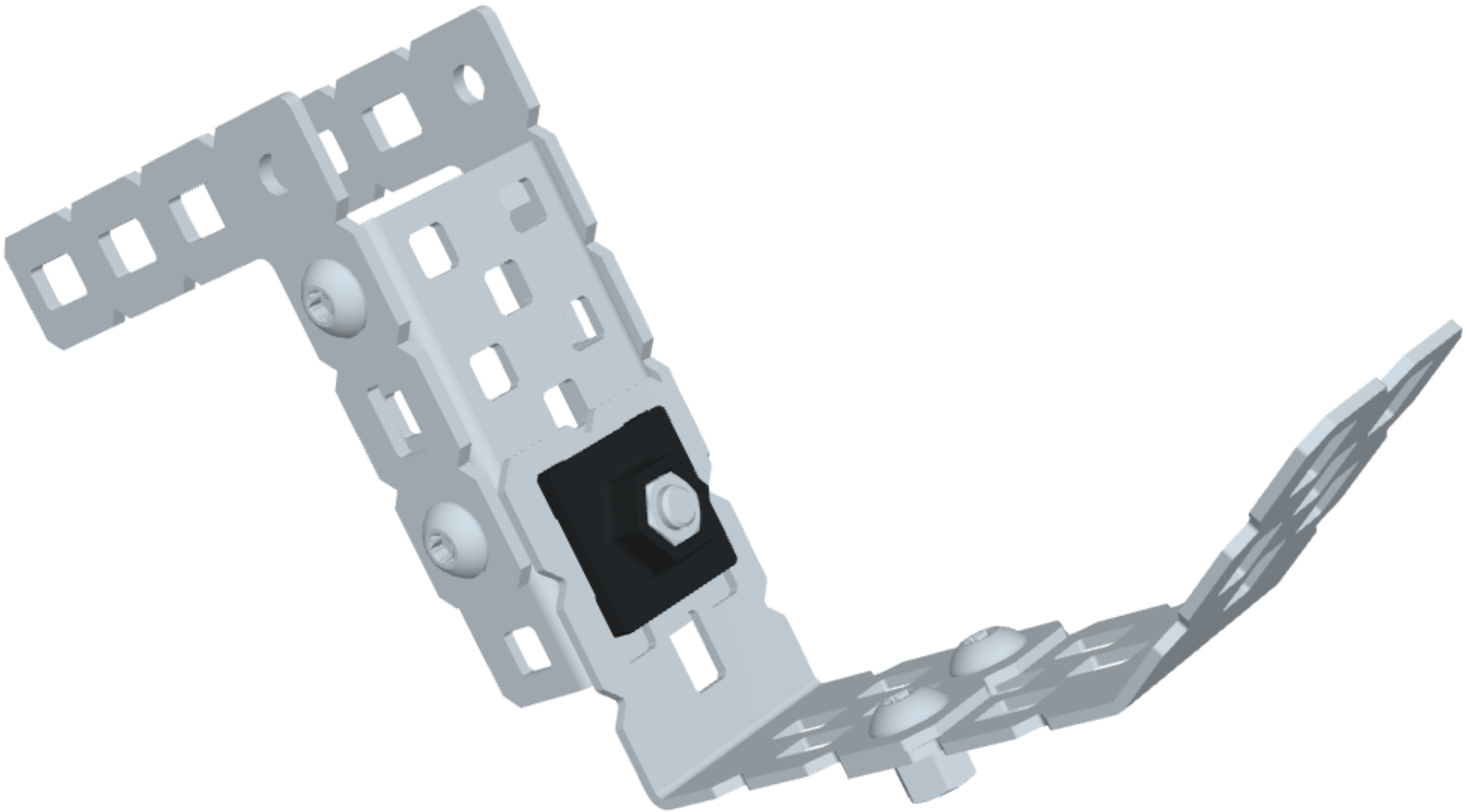


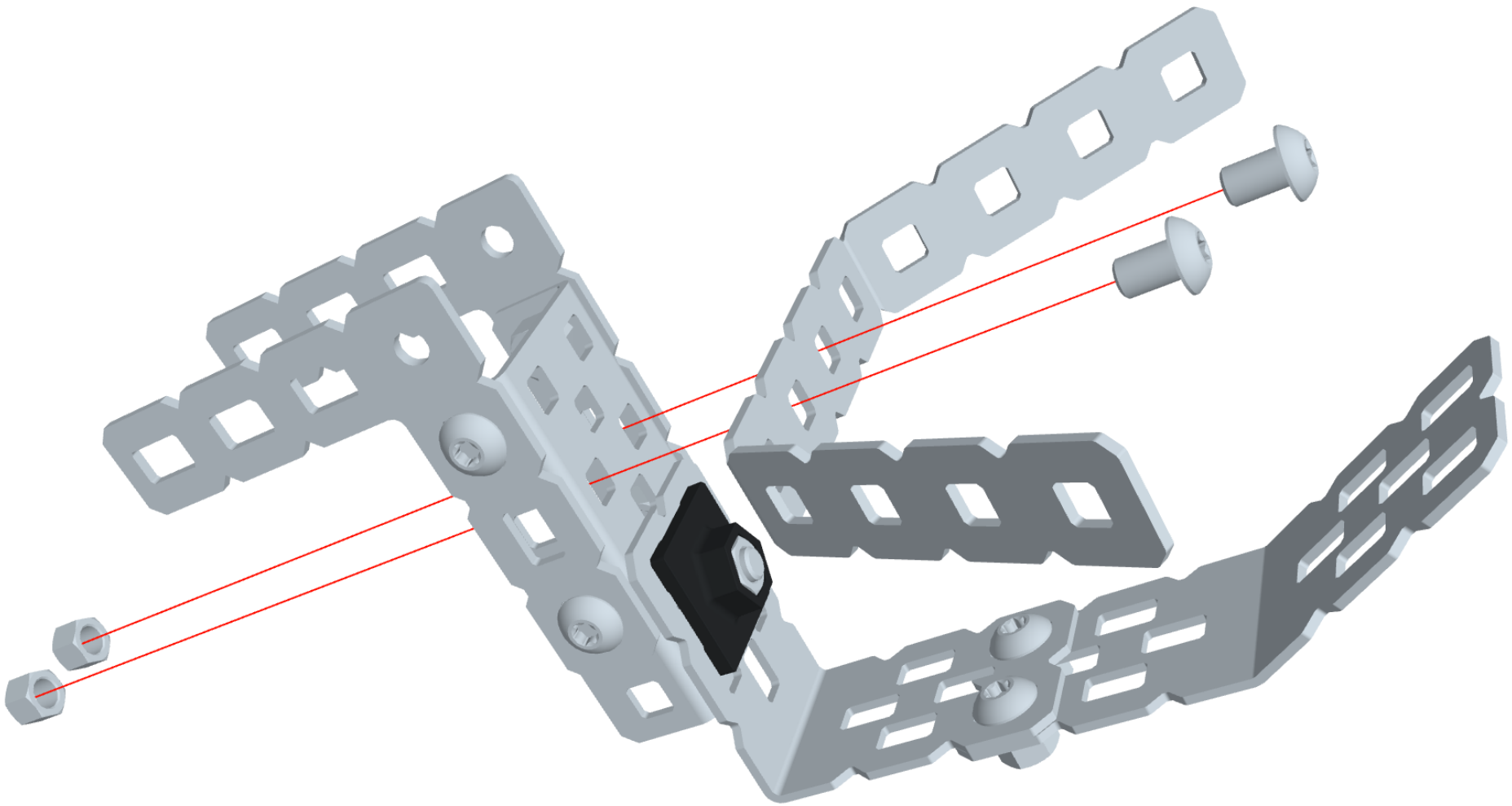


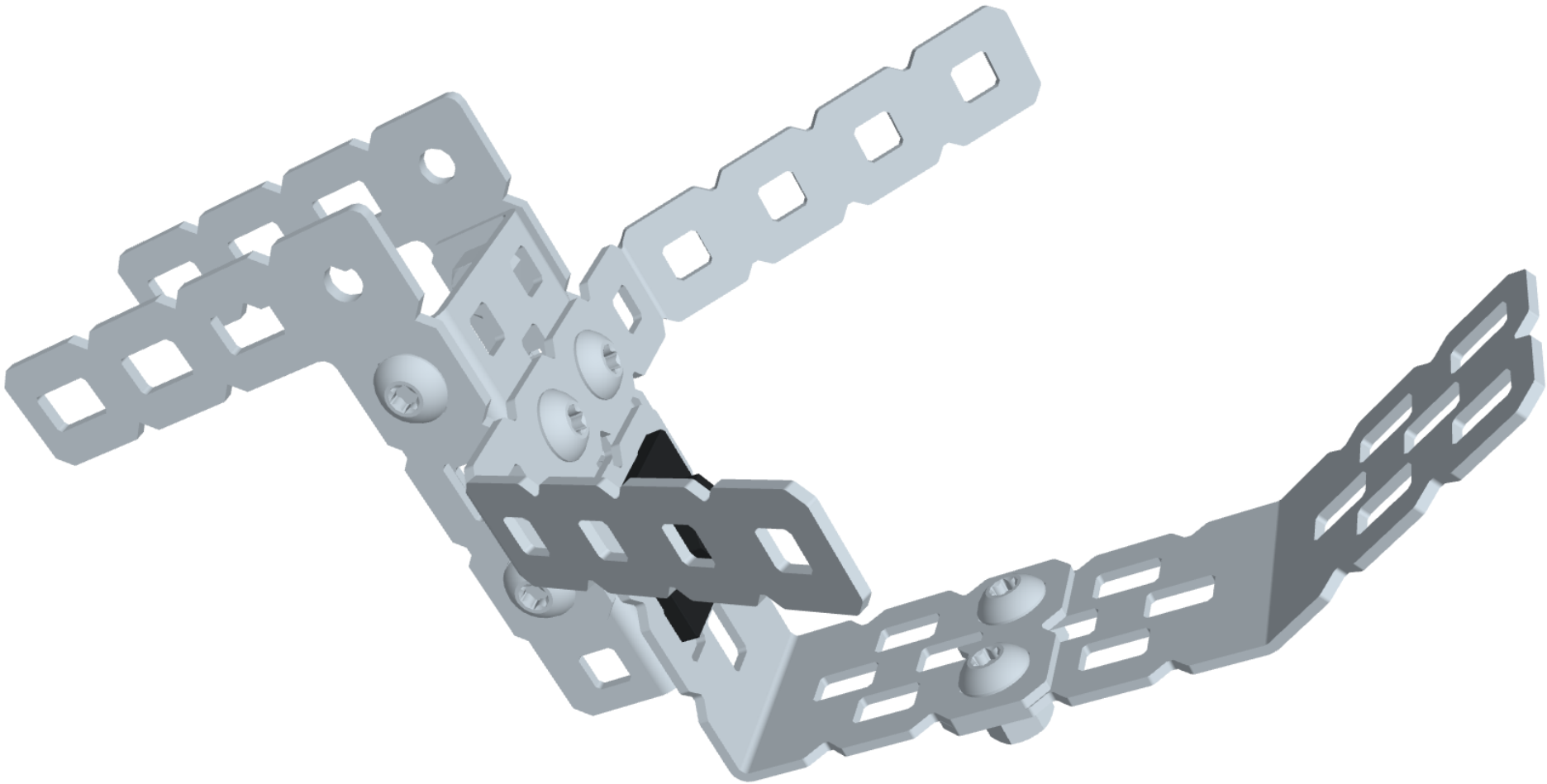


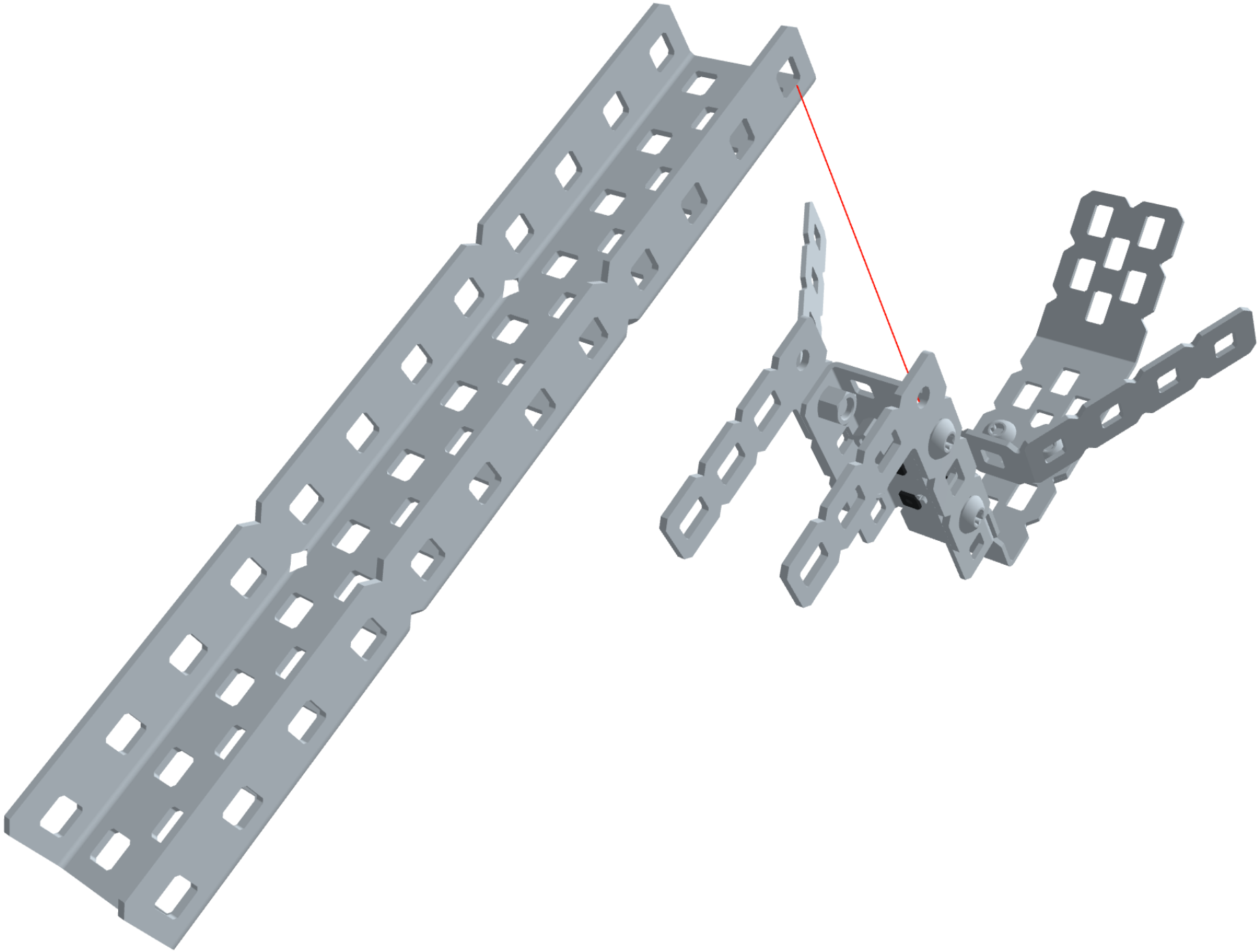




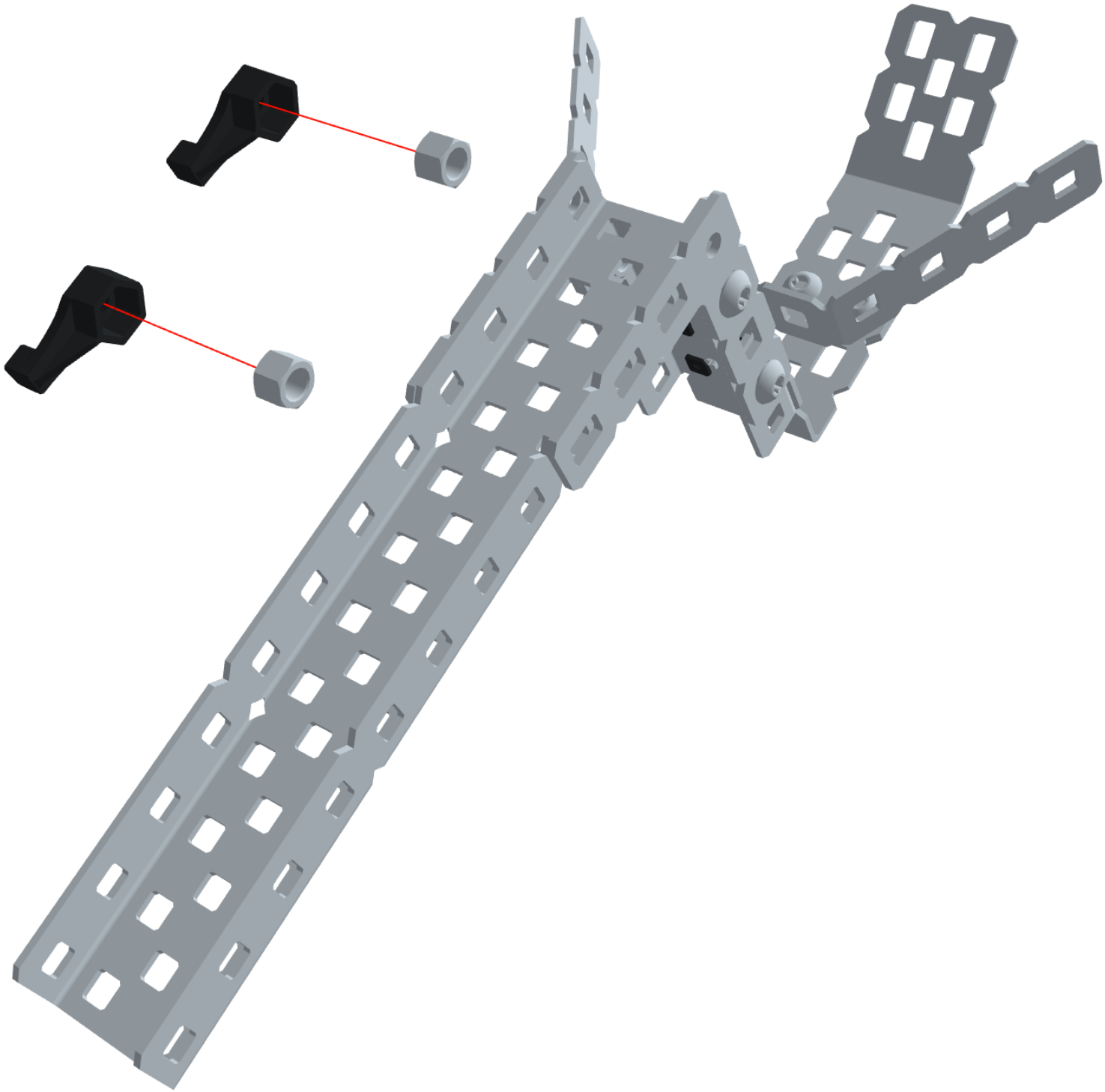




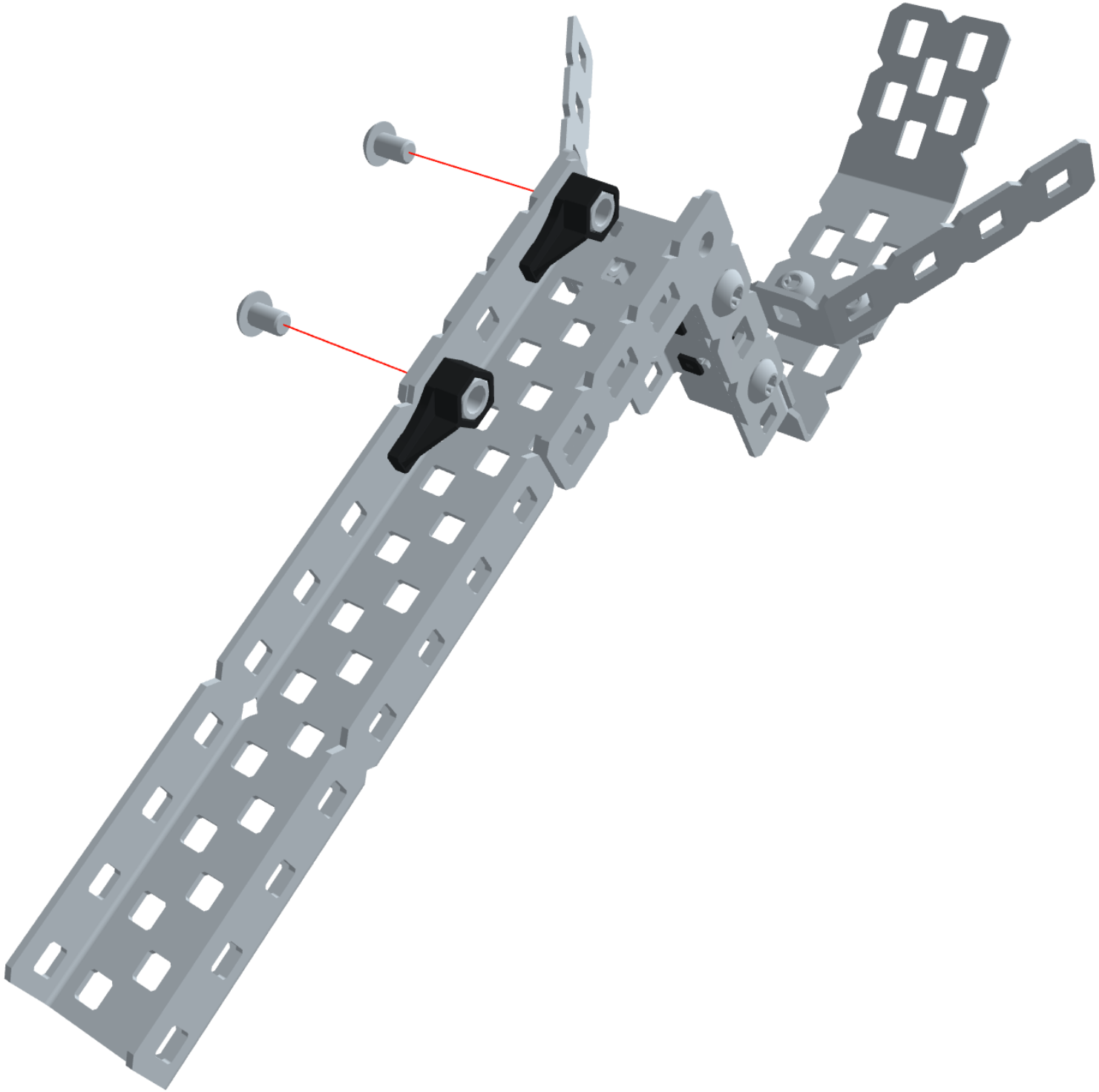




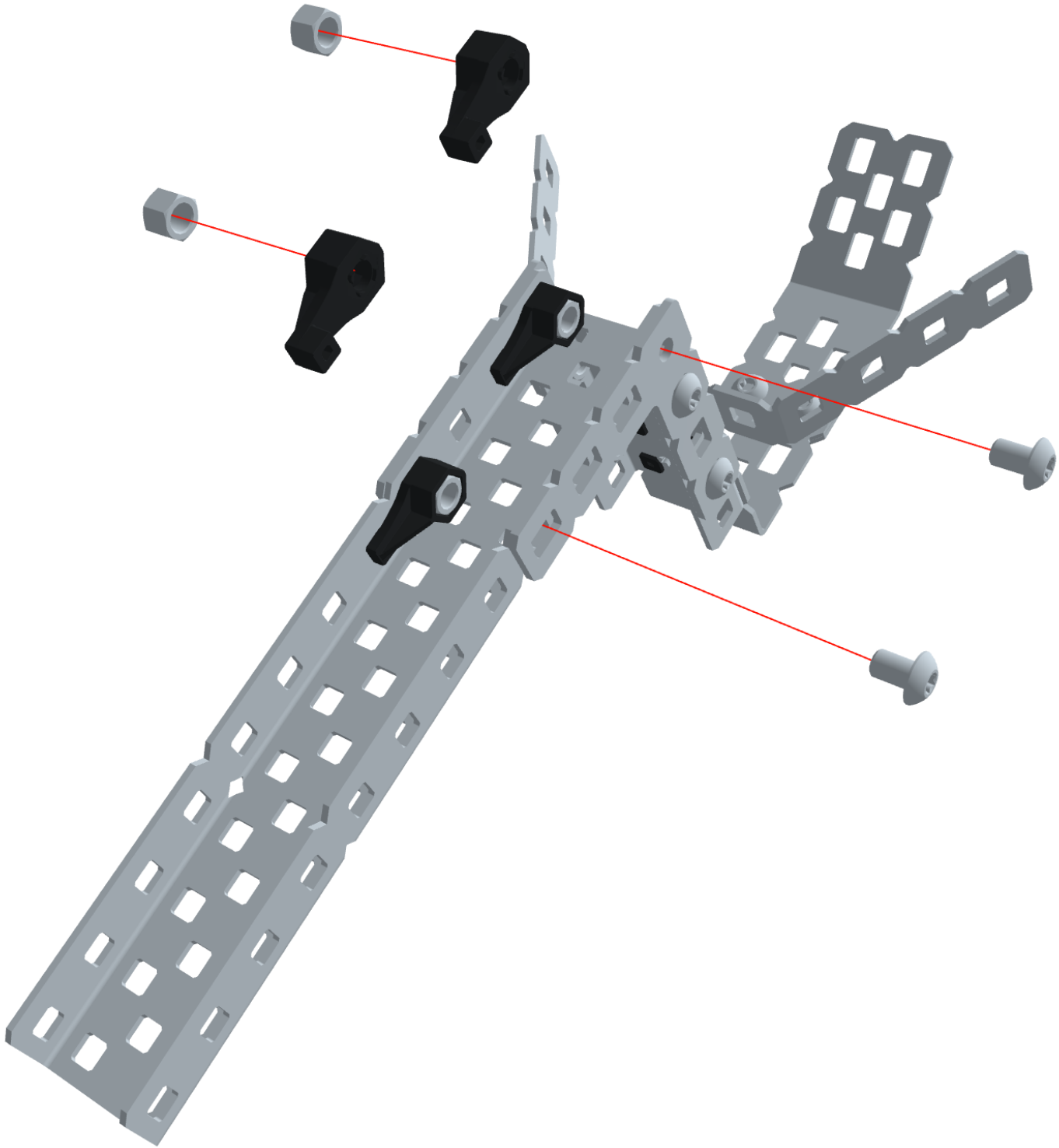




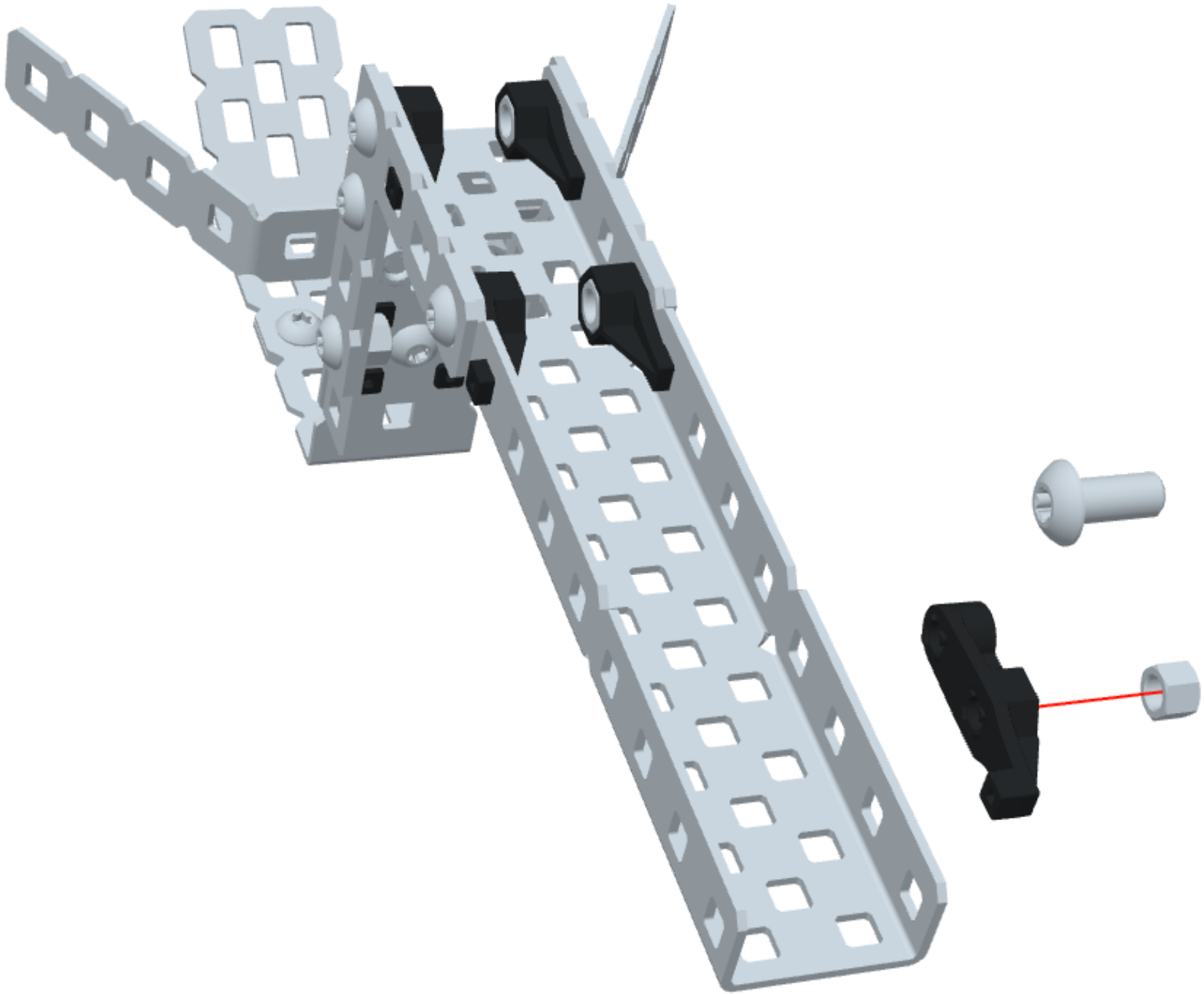


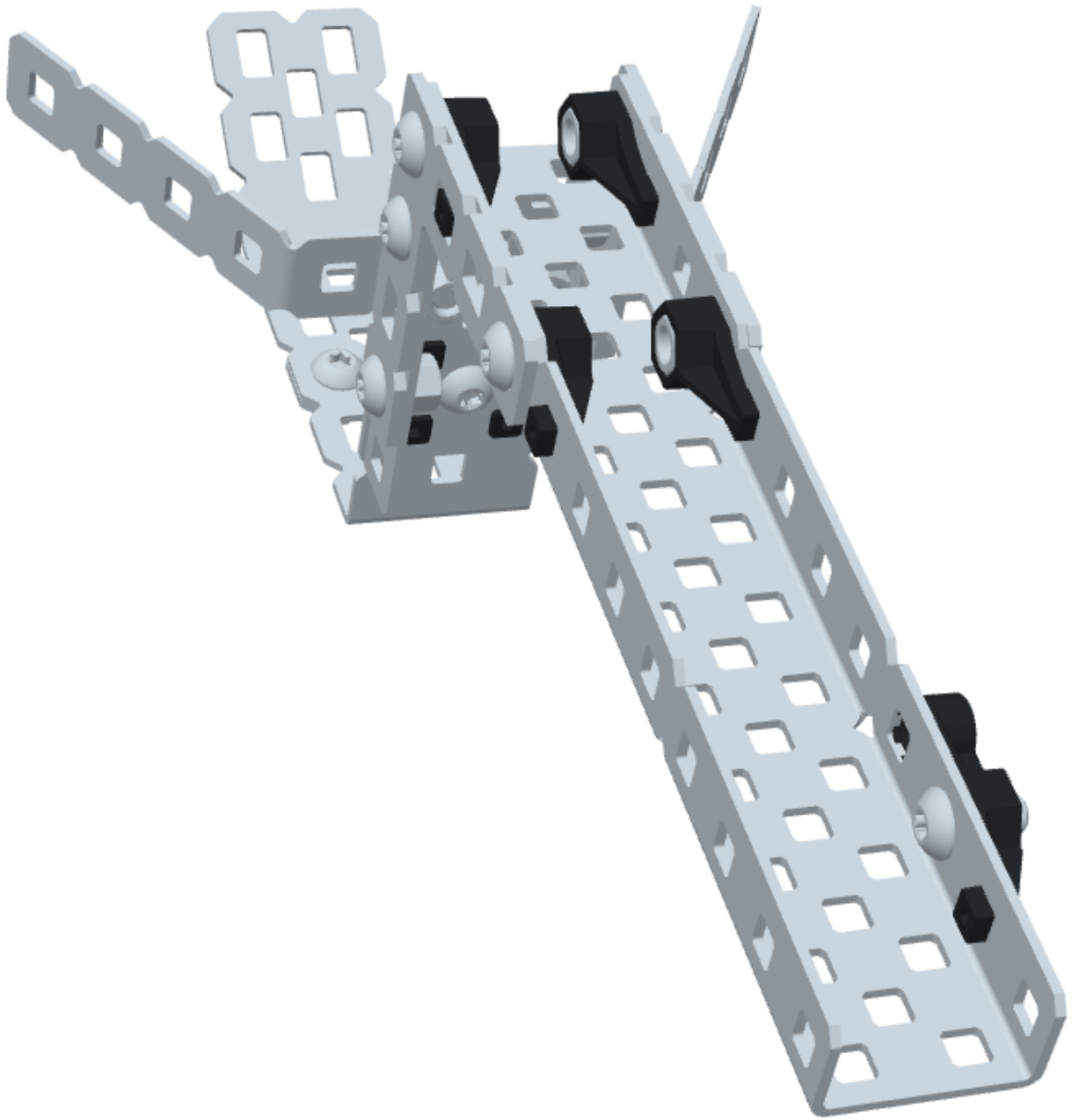


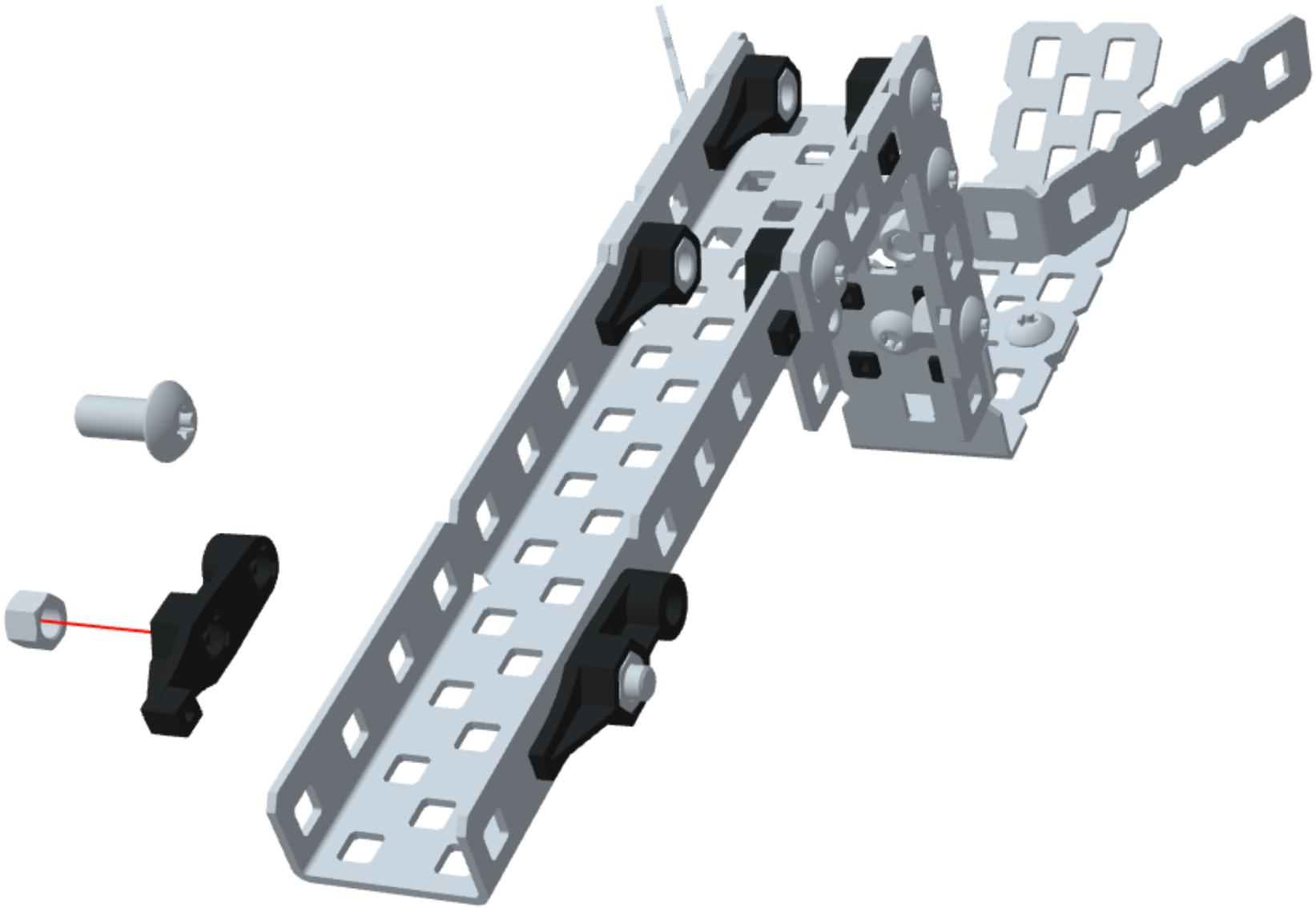


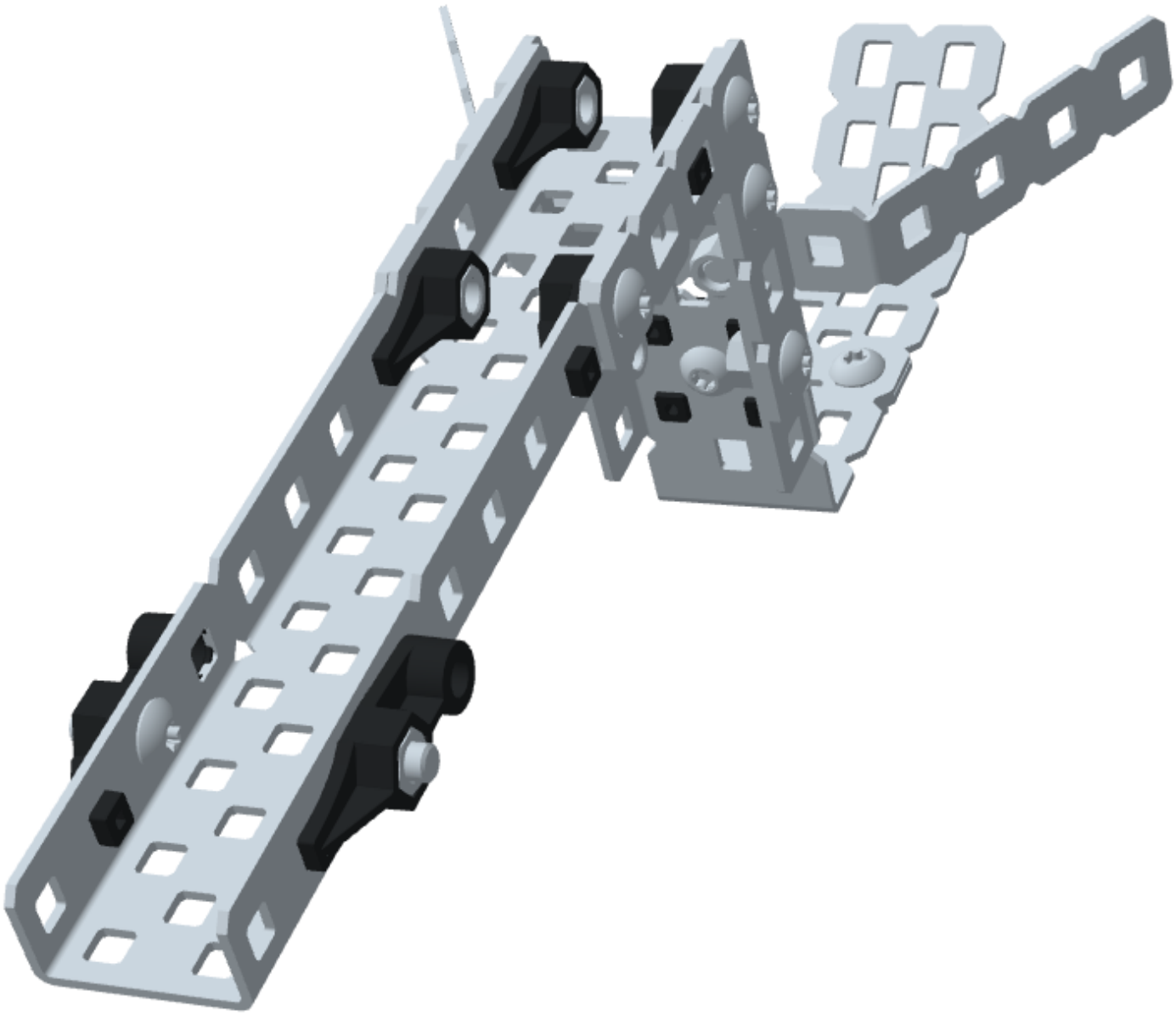


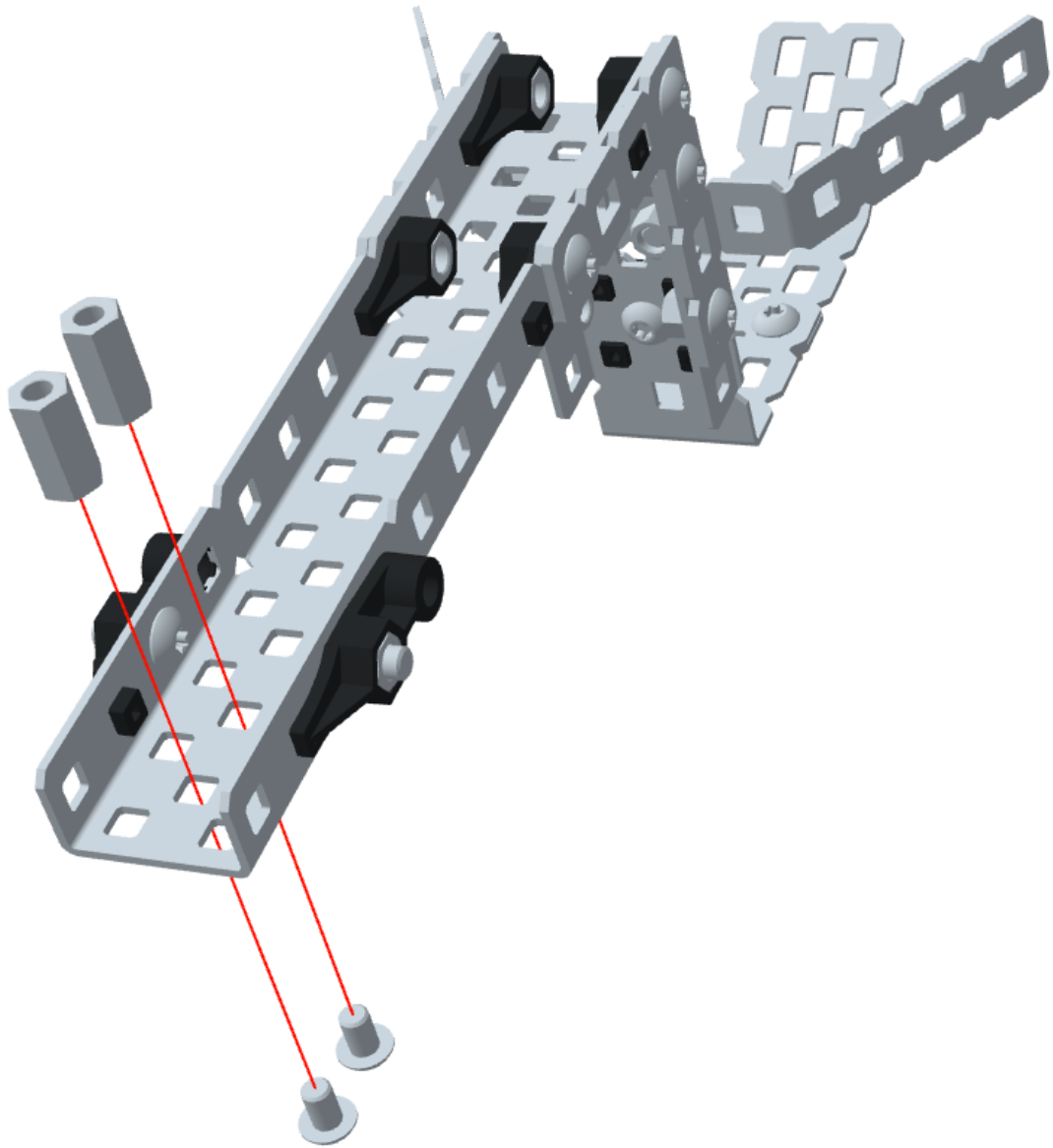


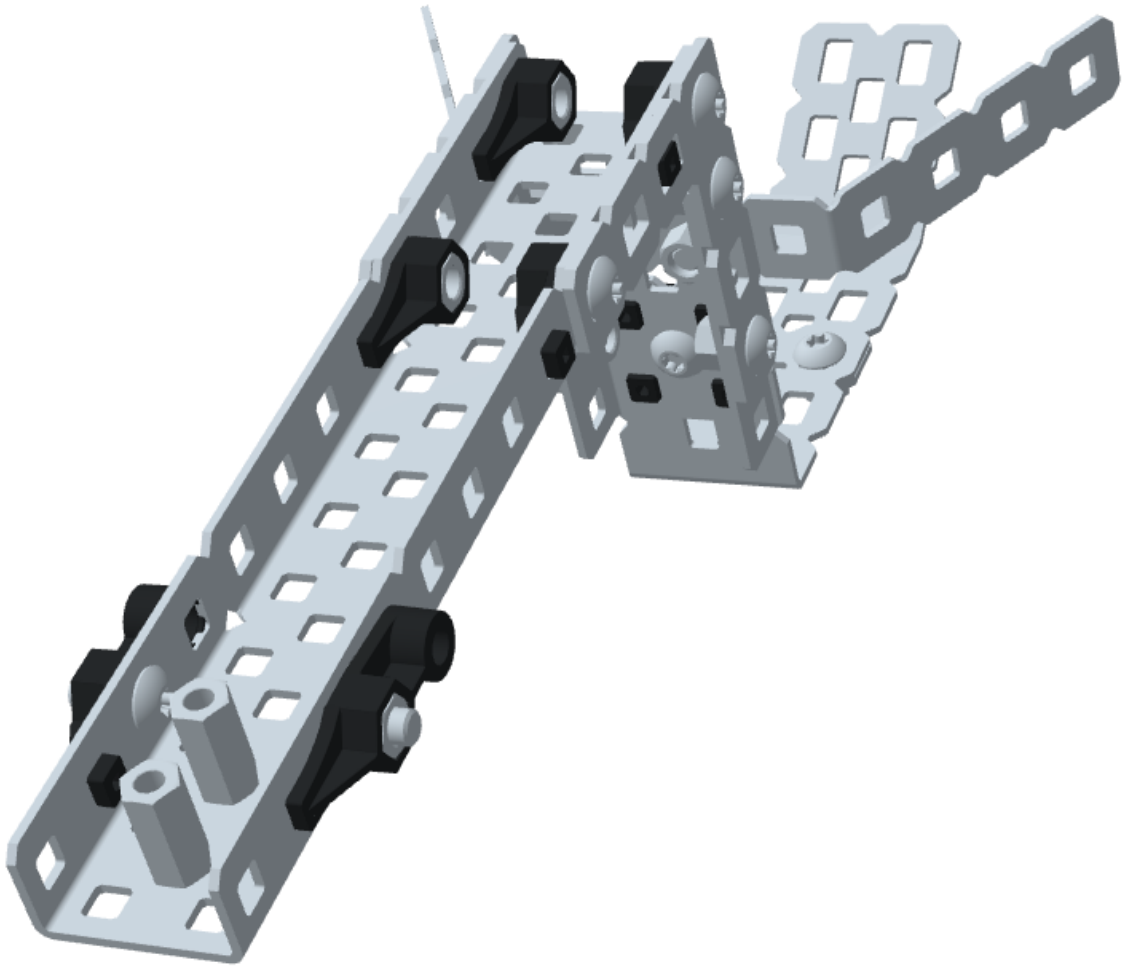








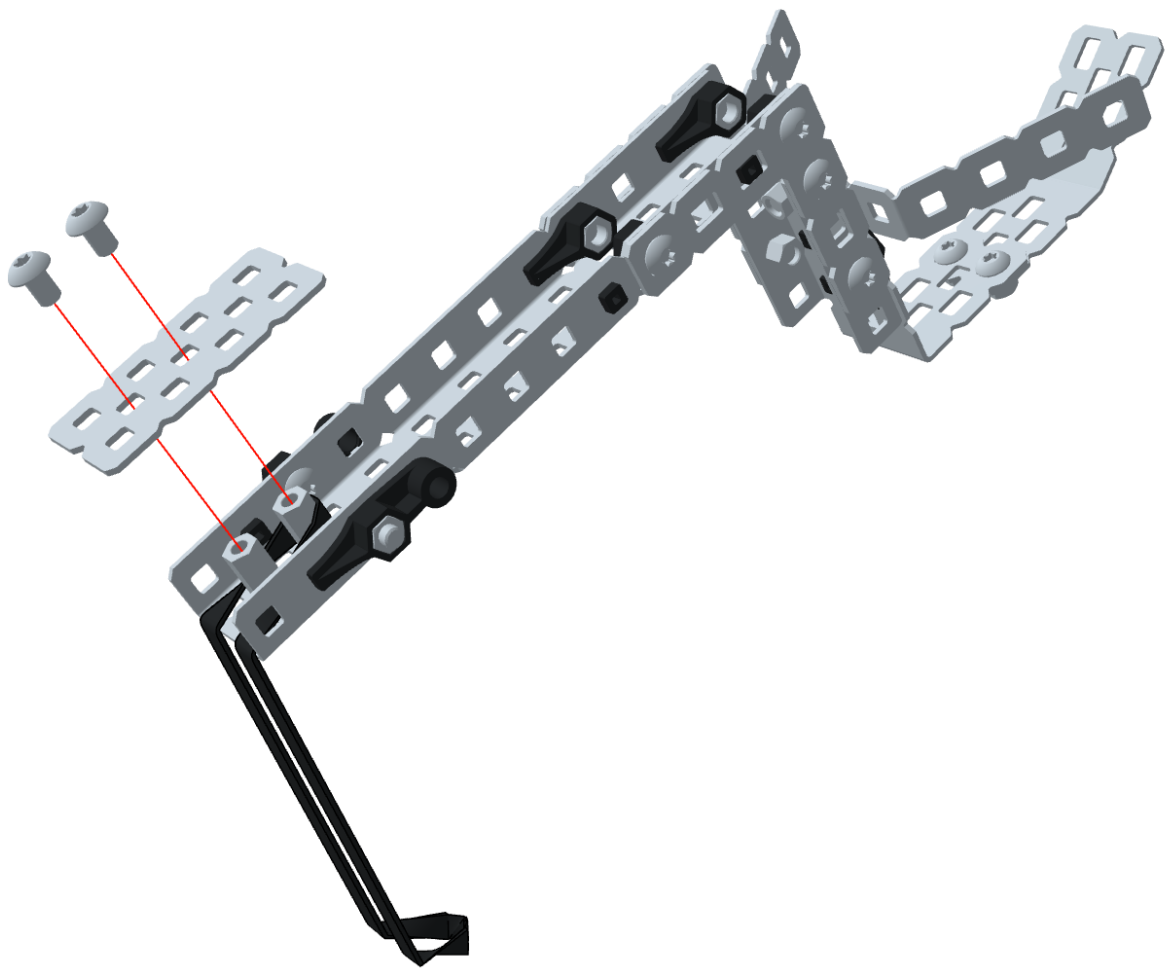




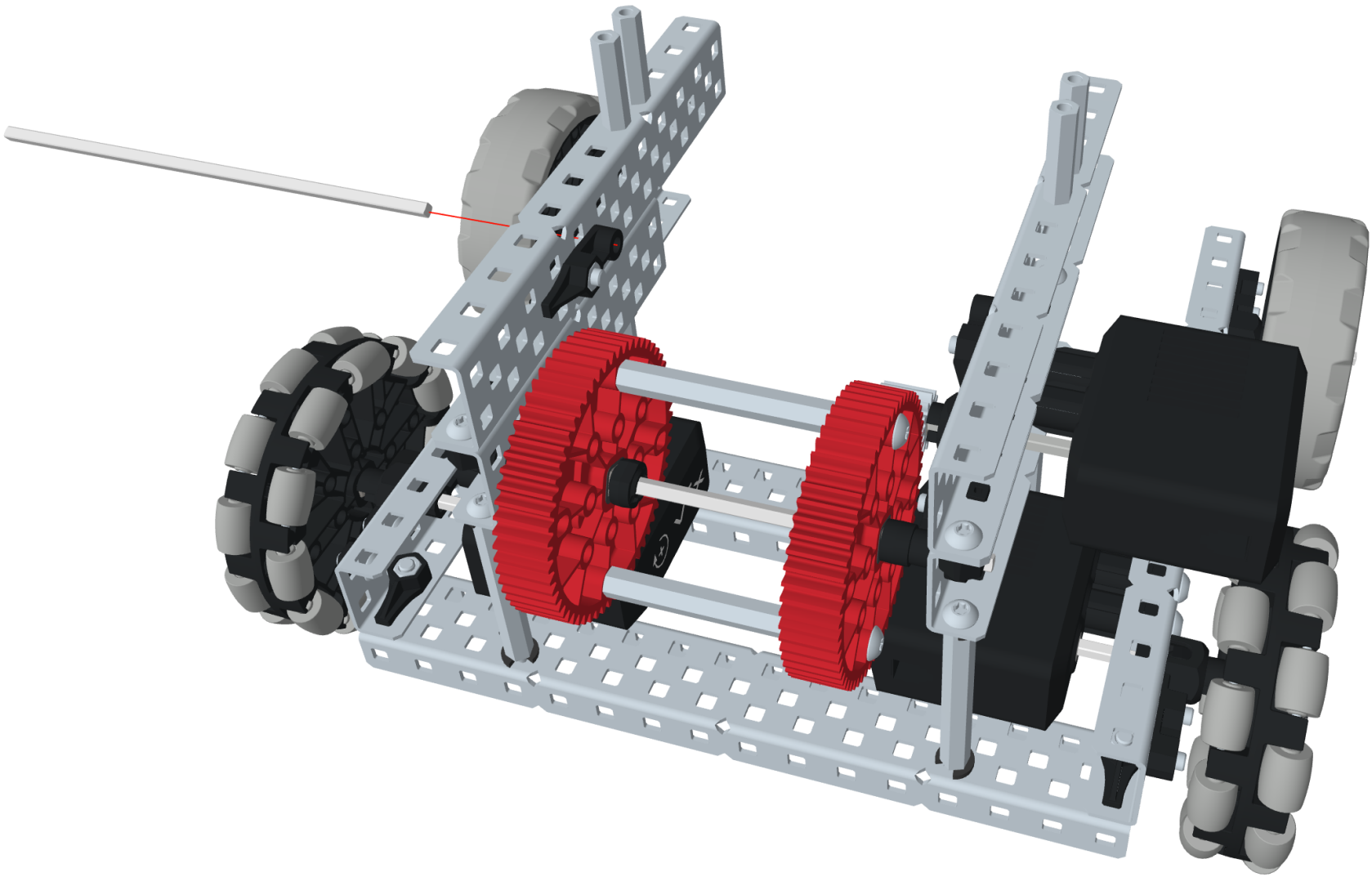
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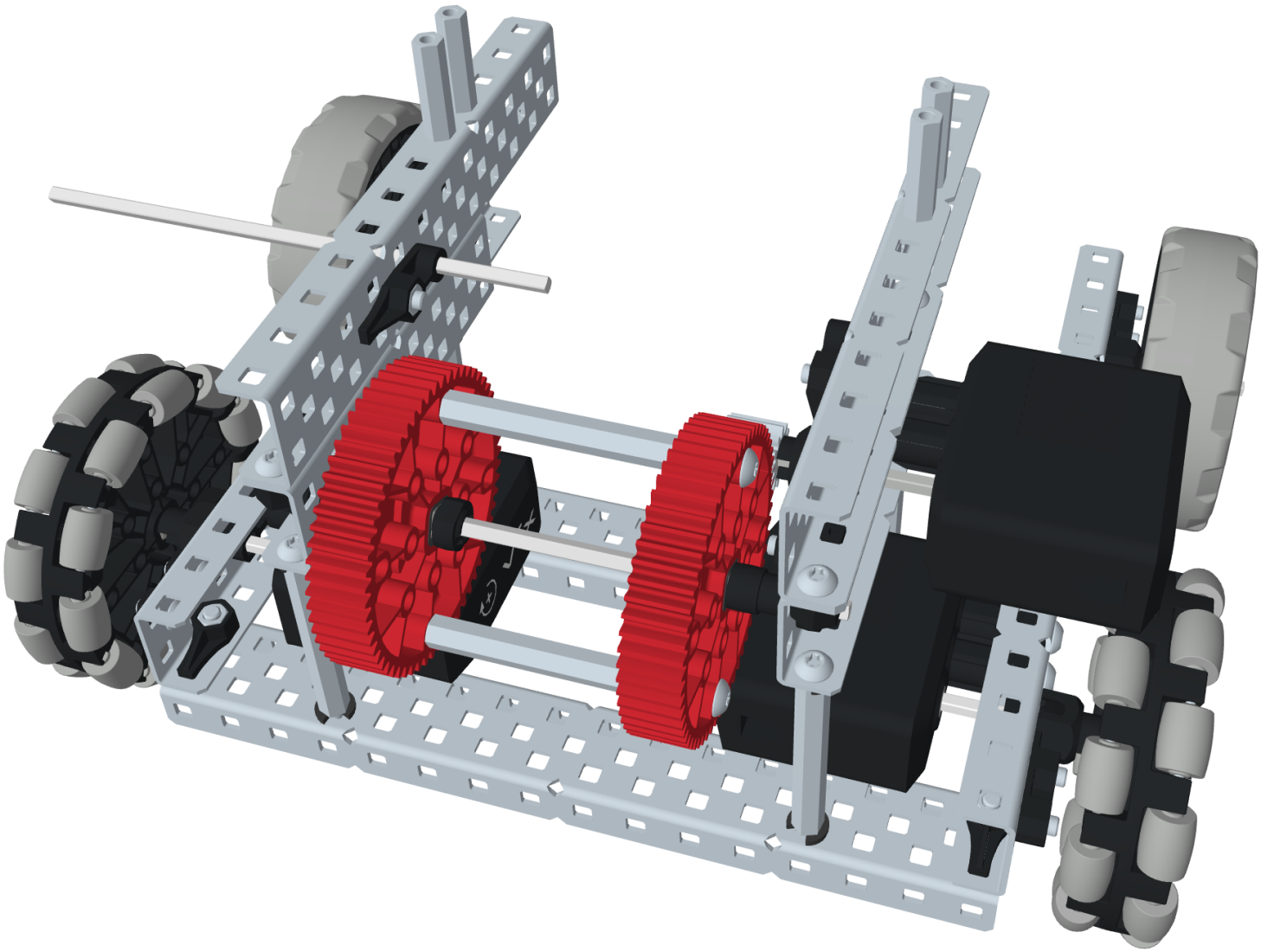


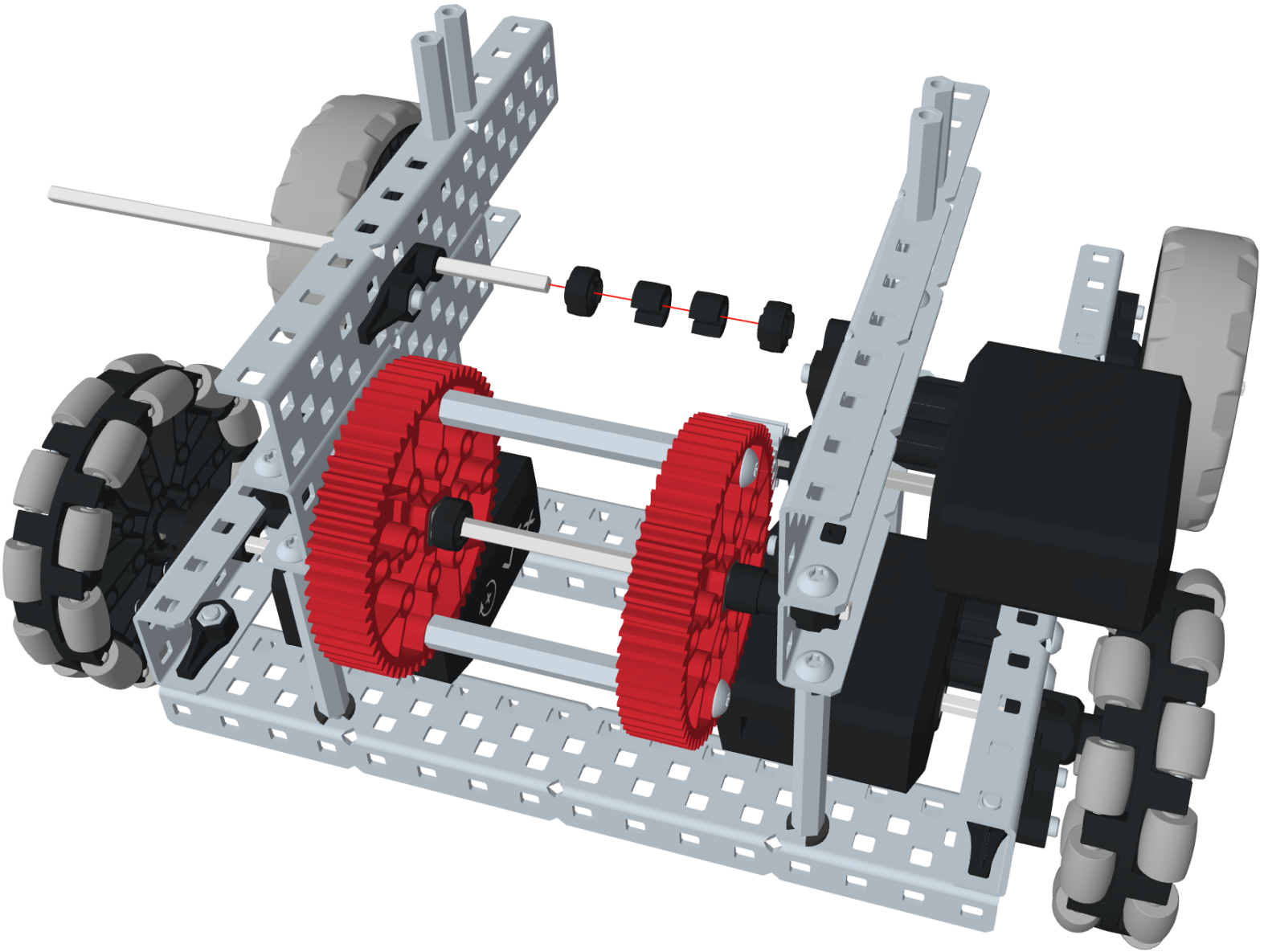


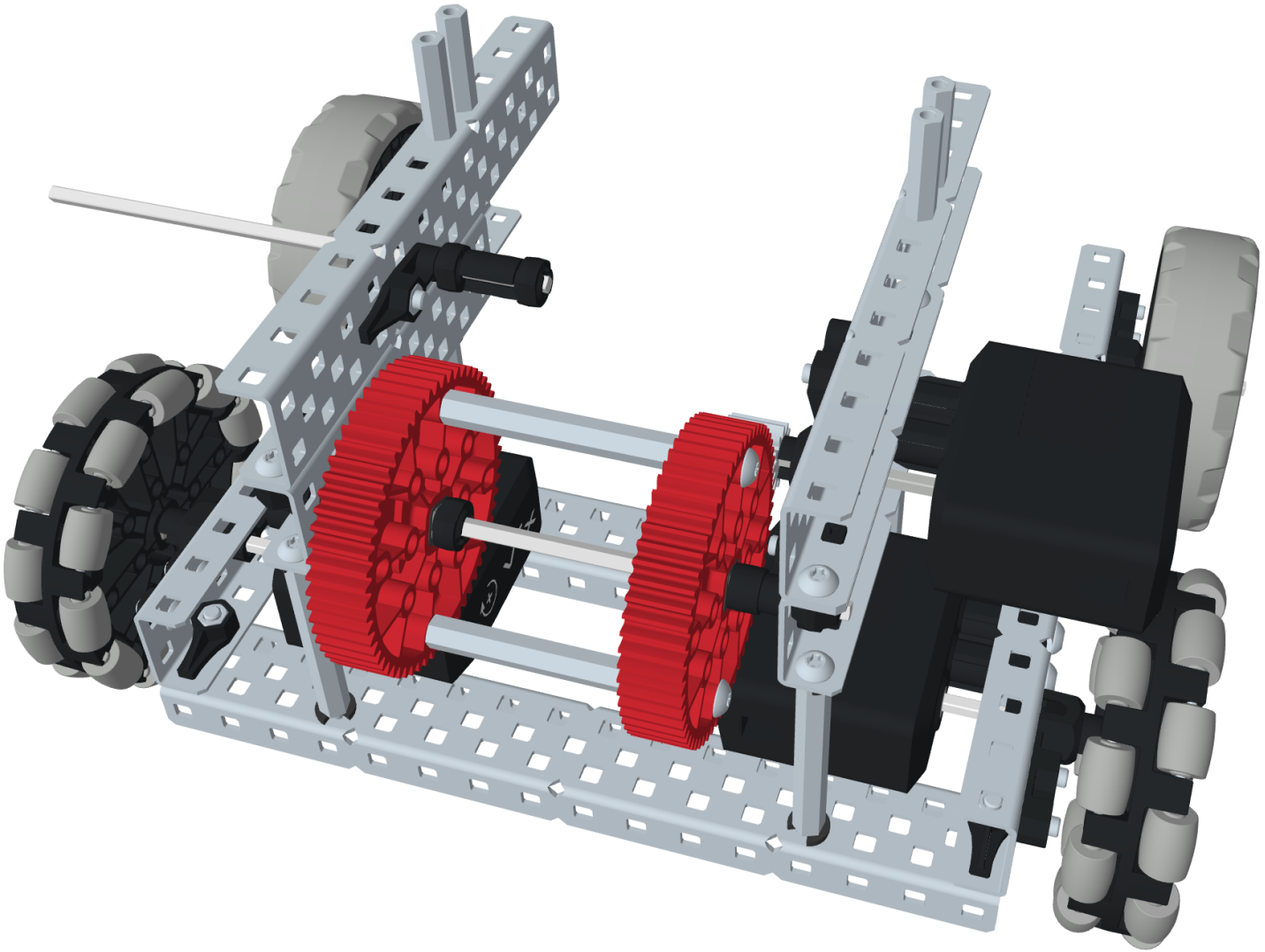


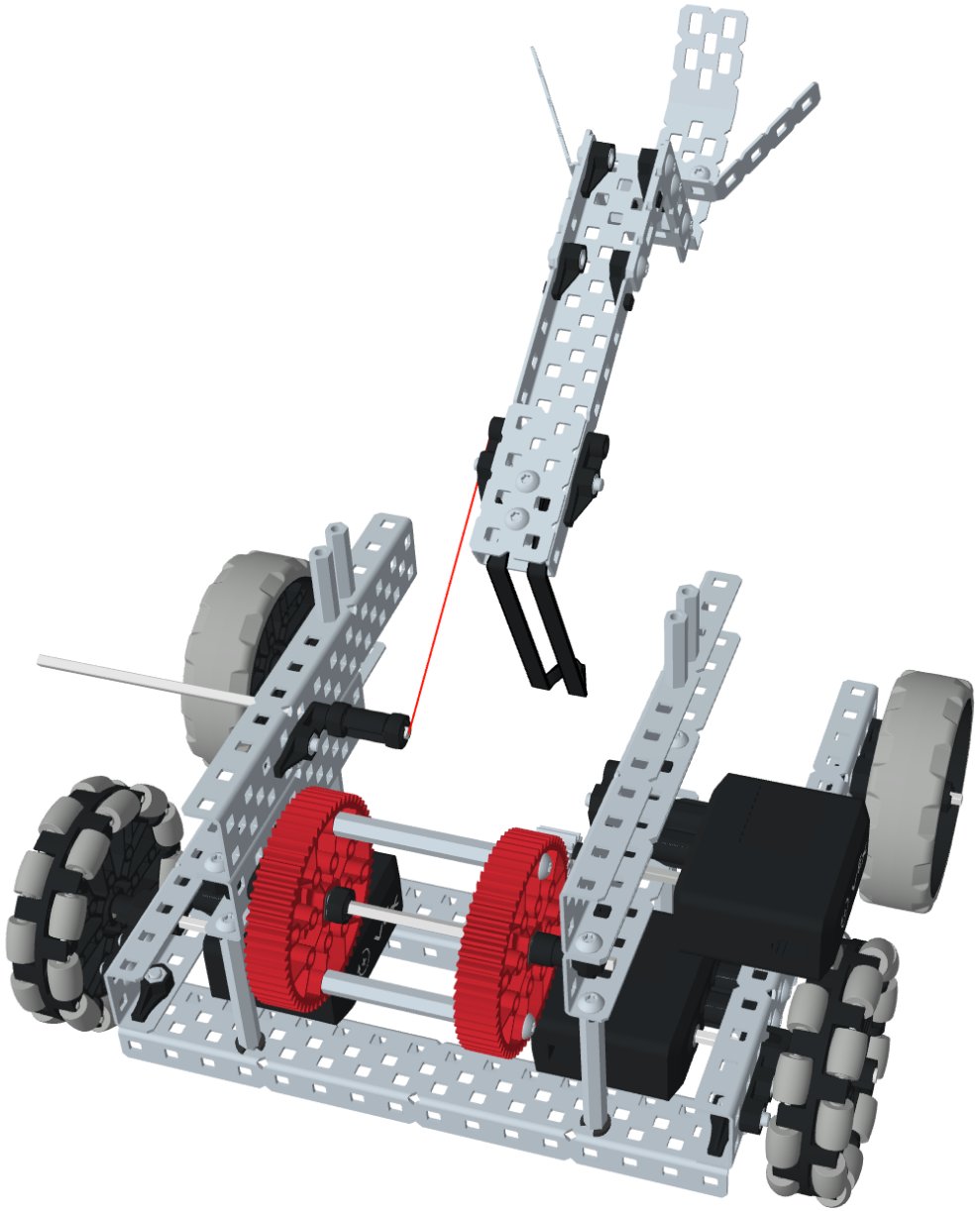


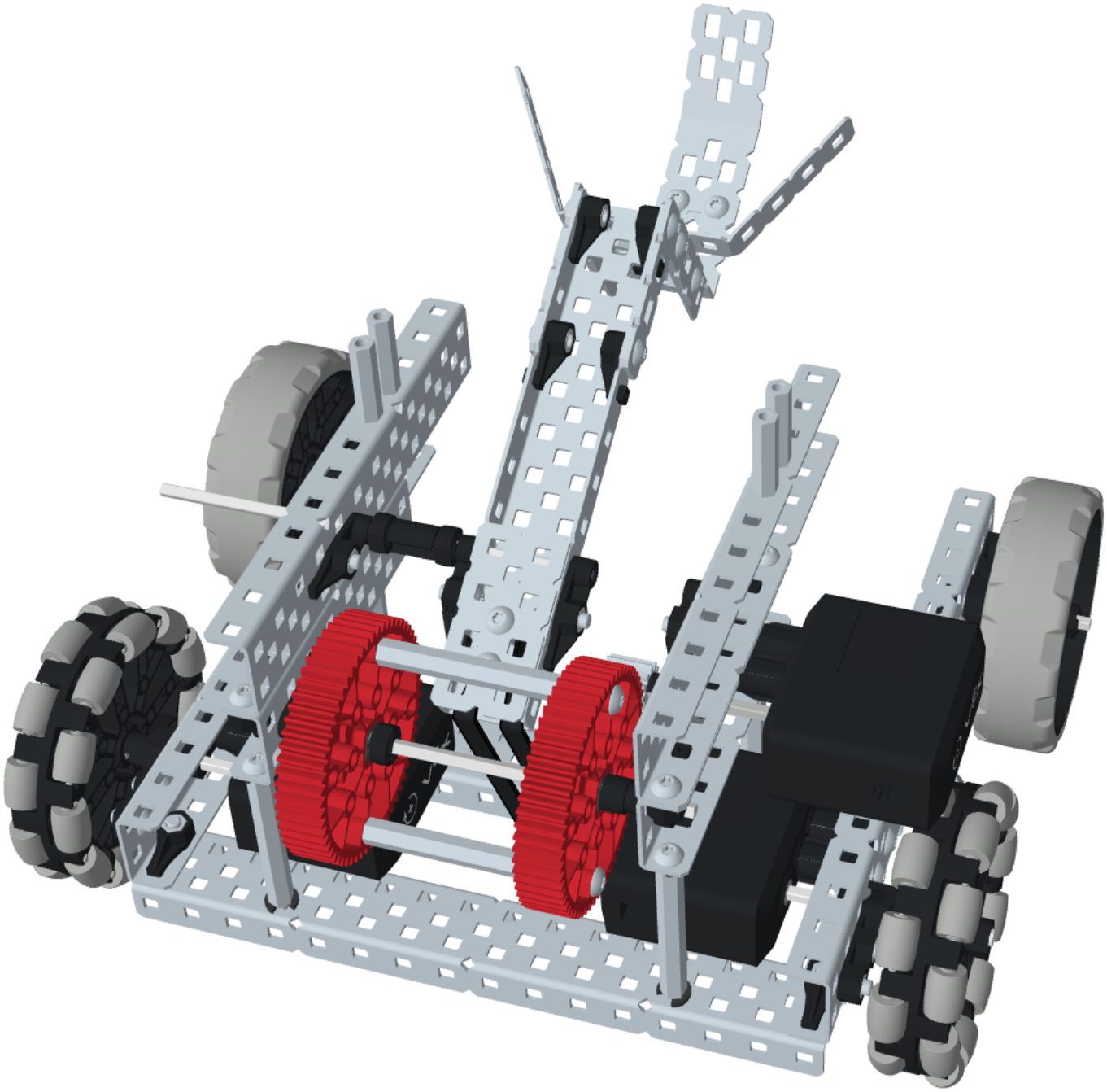


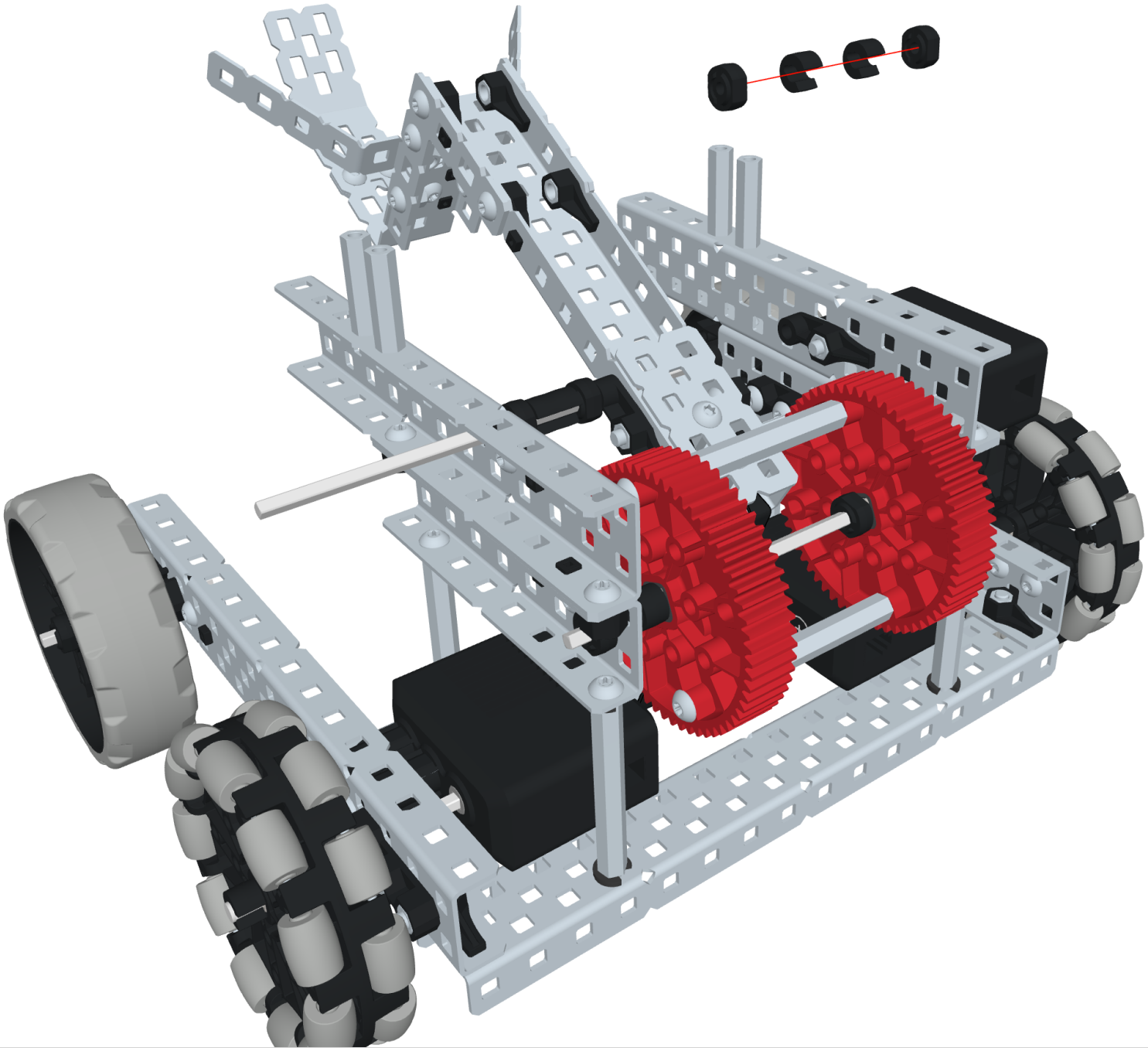


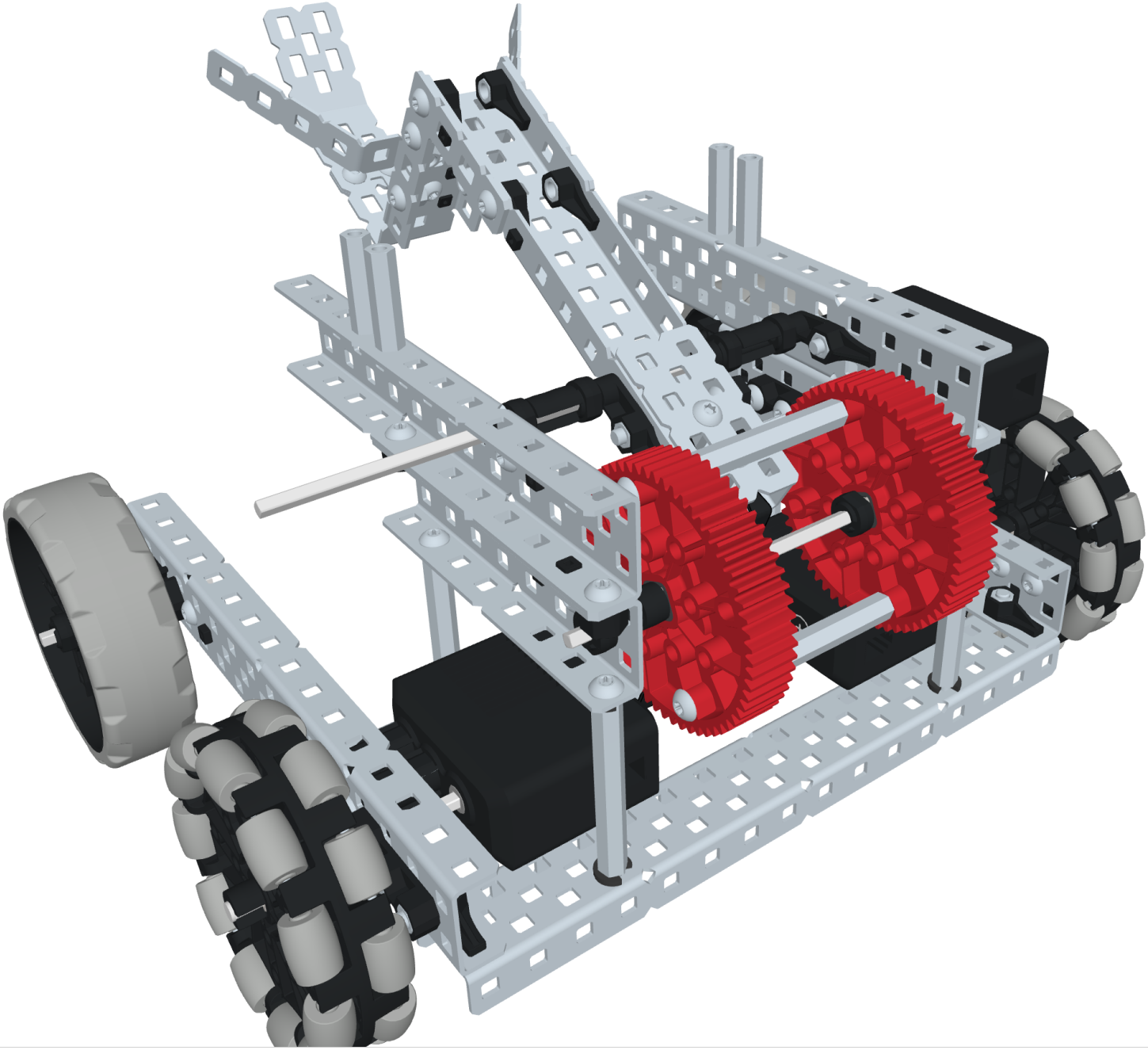


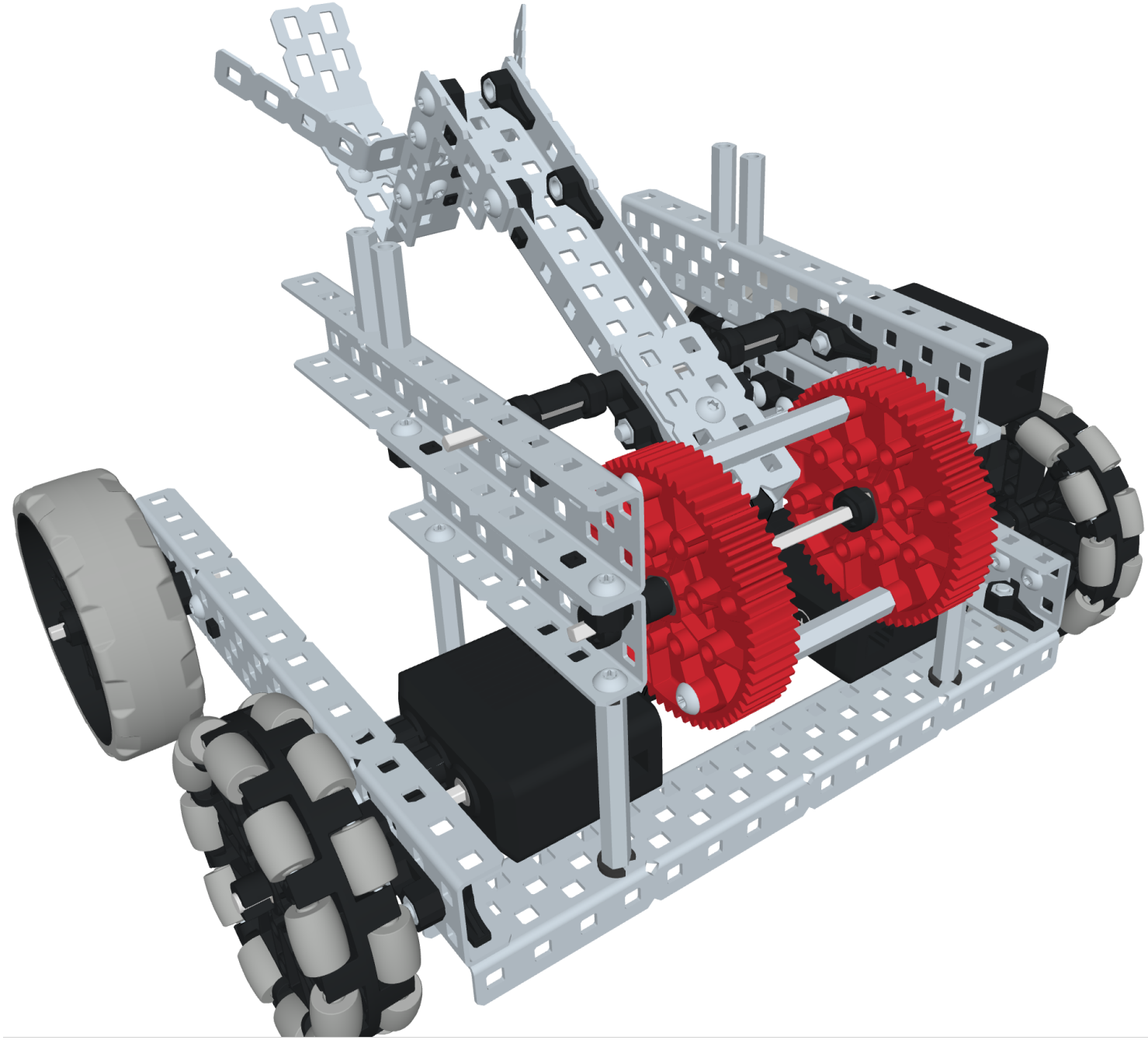


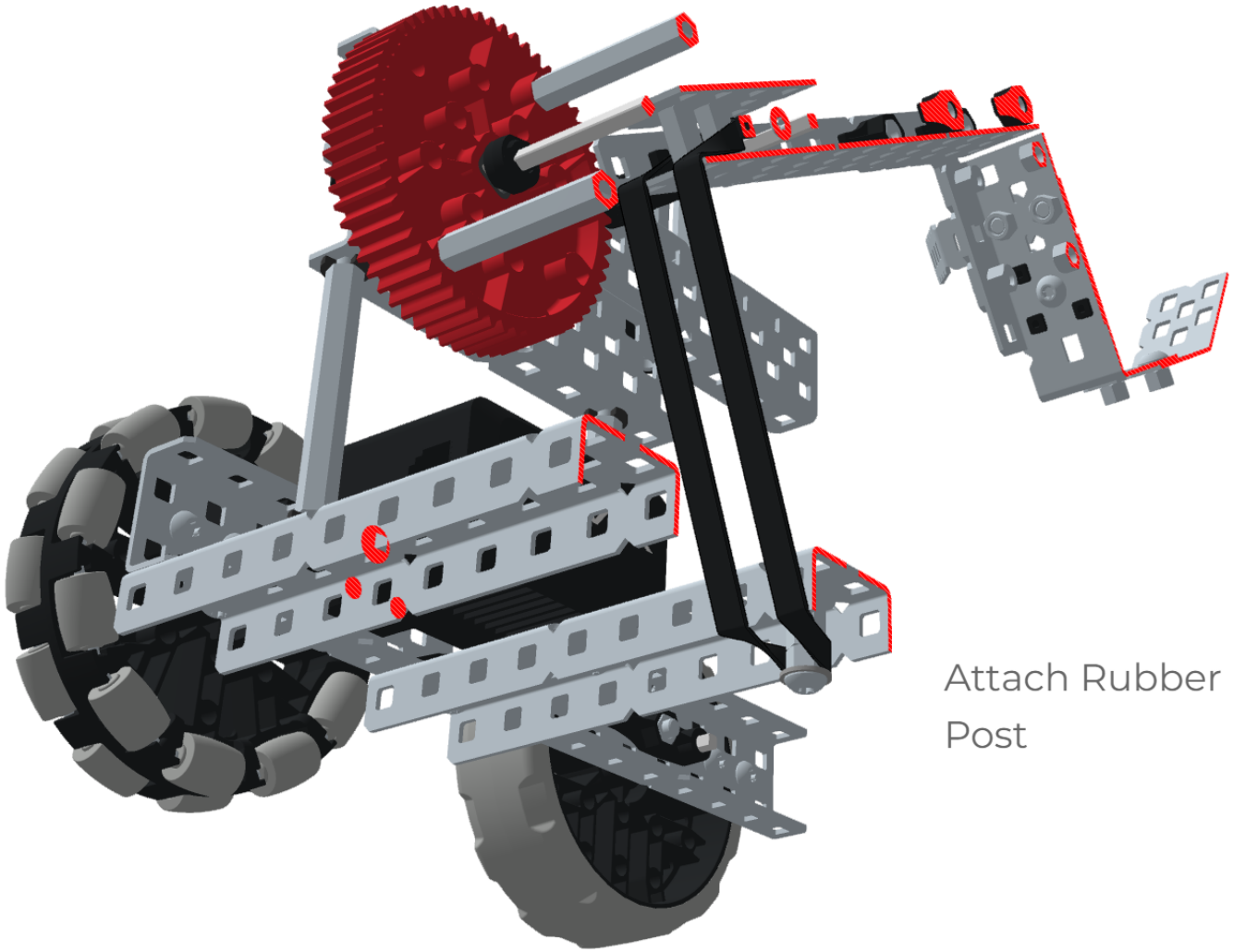




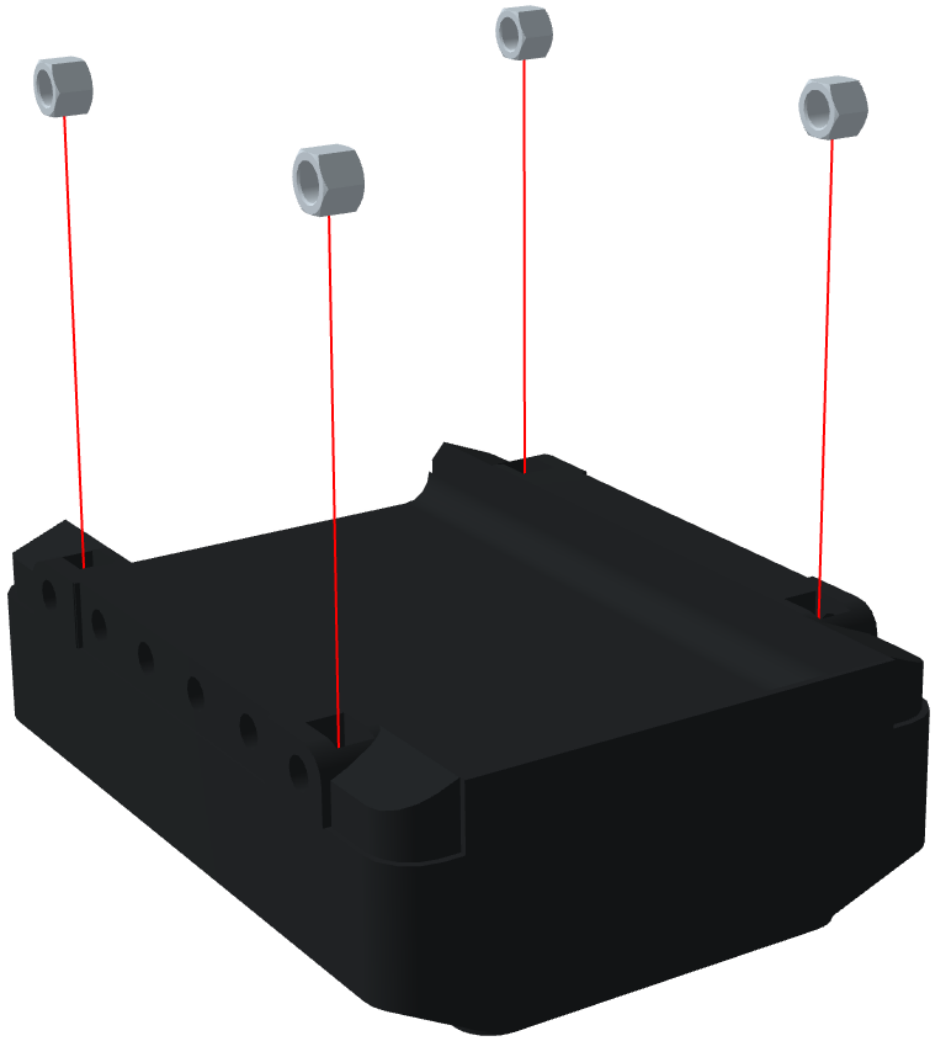


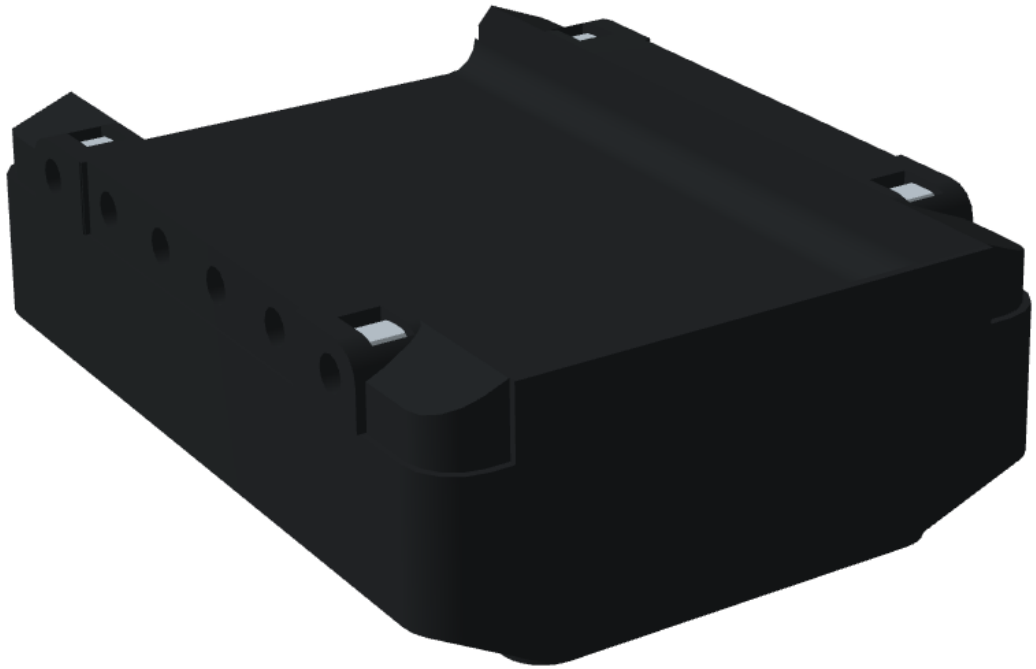




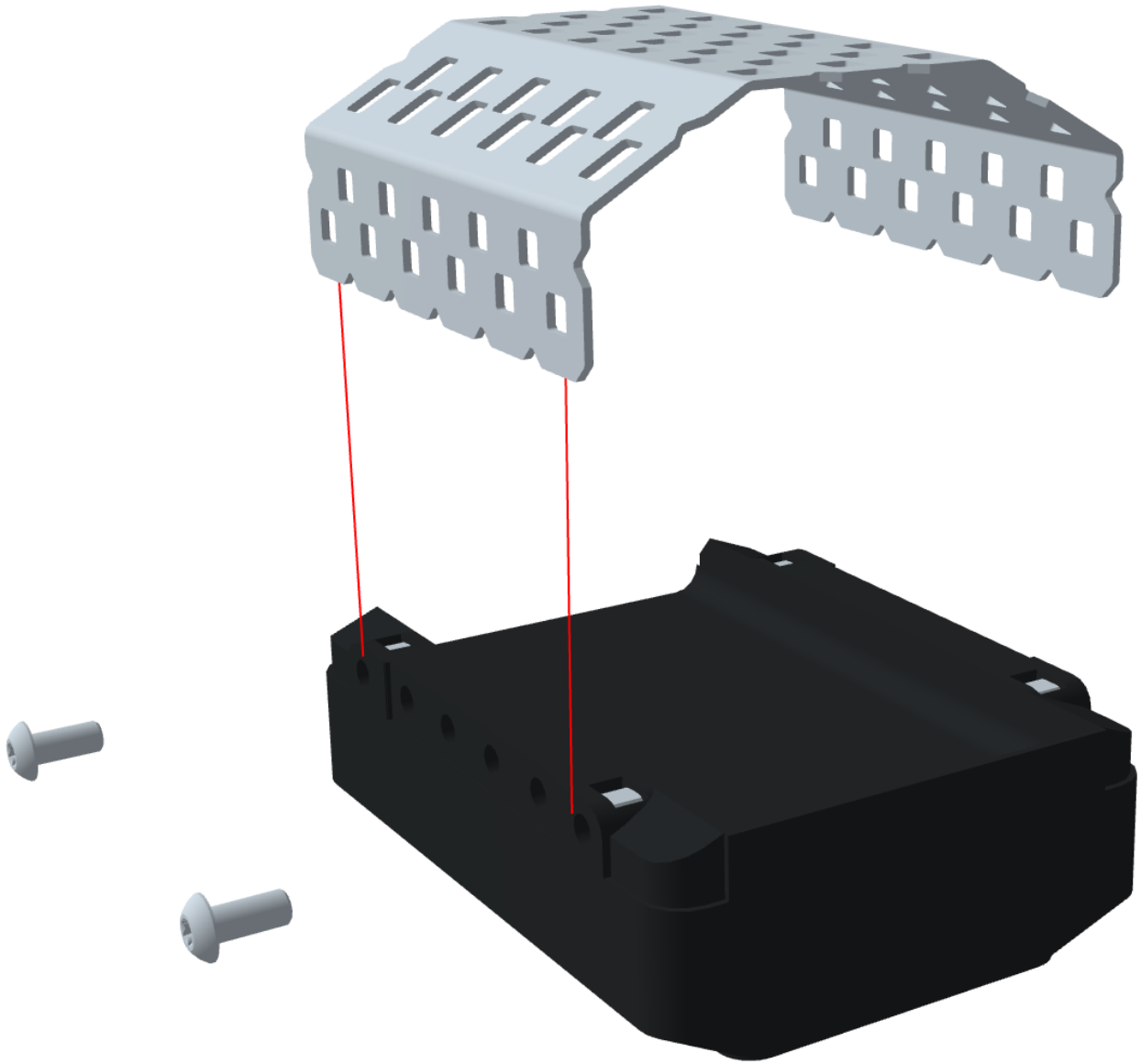


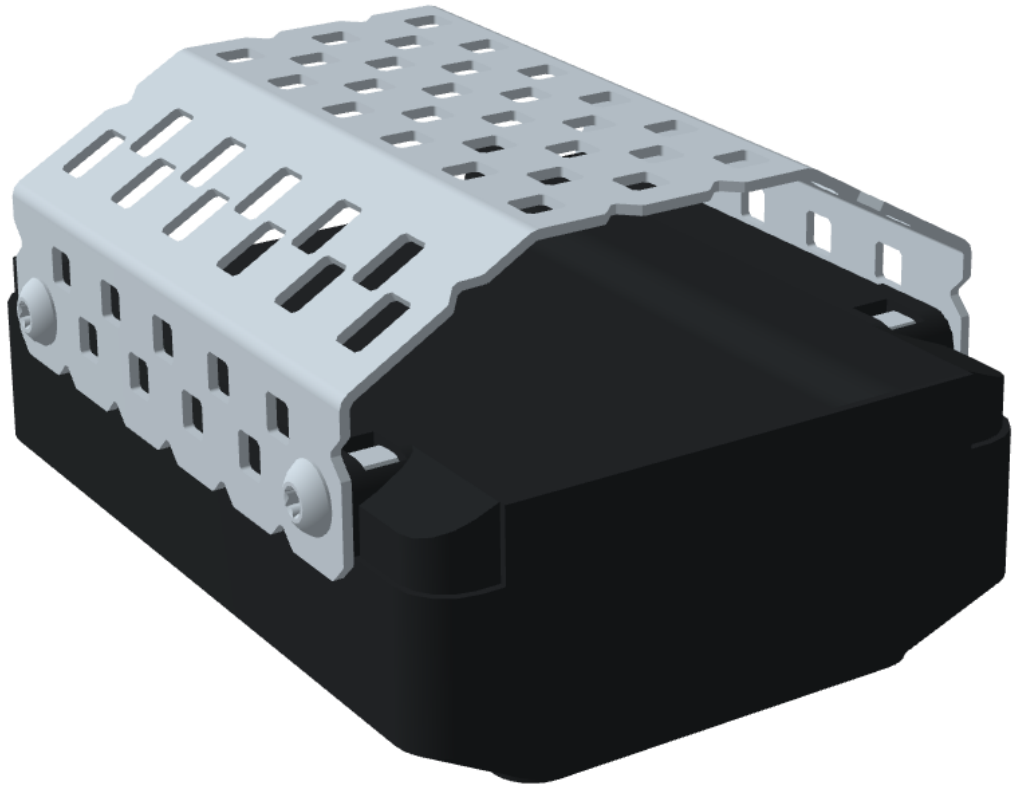
Attach Rubber Band to Post

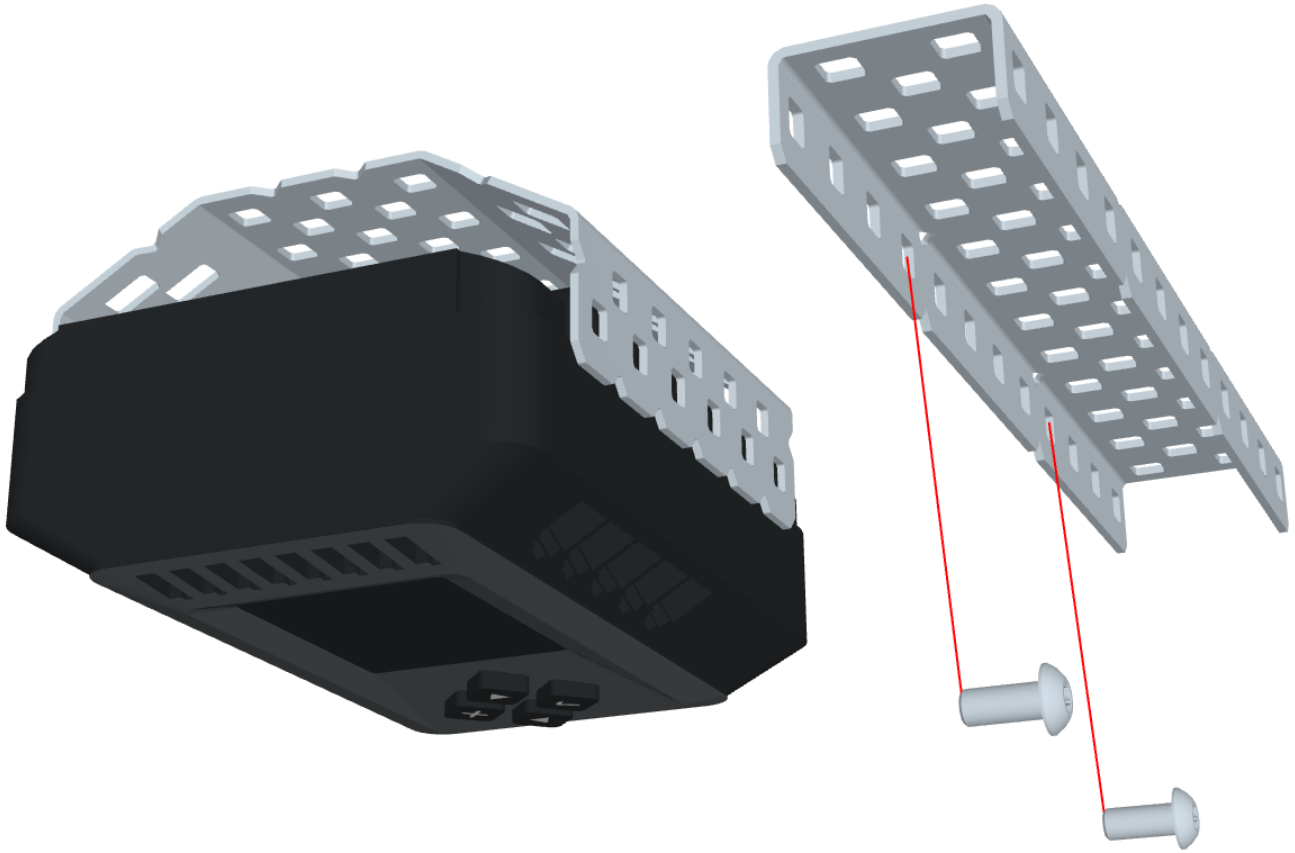


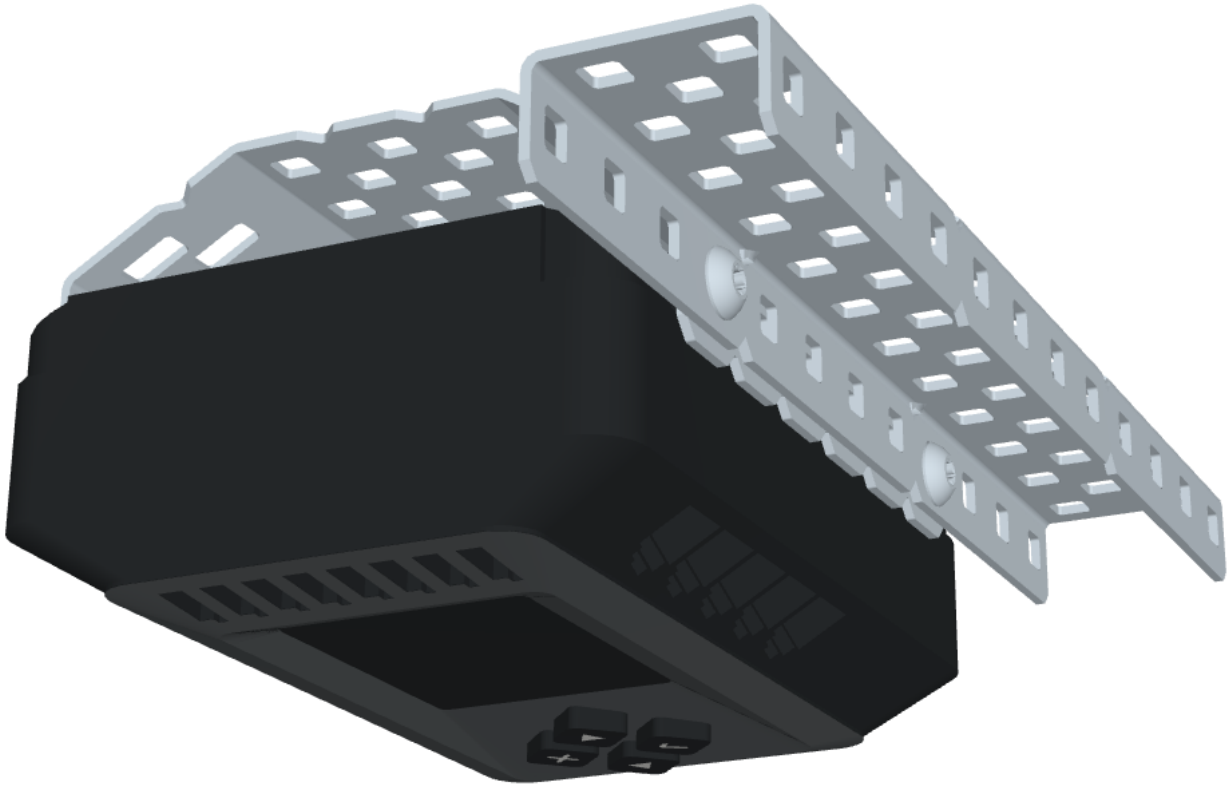


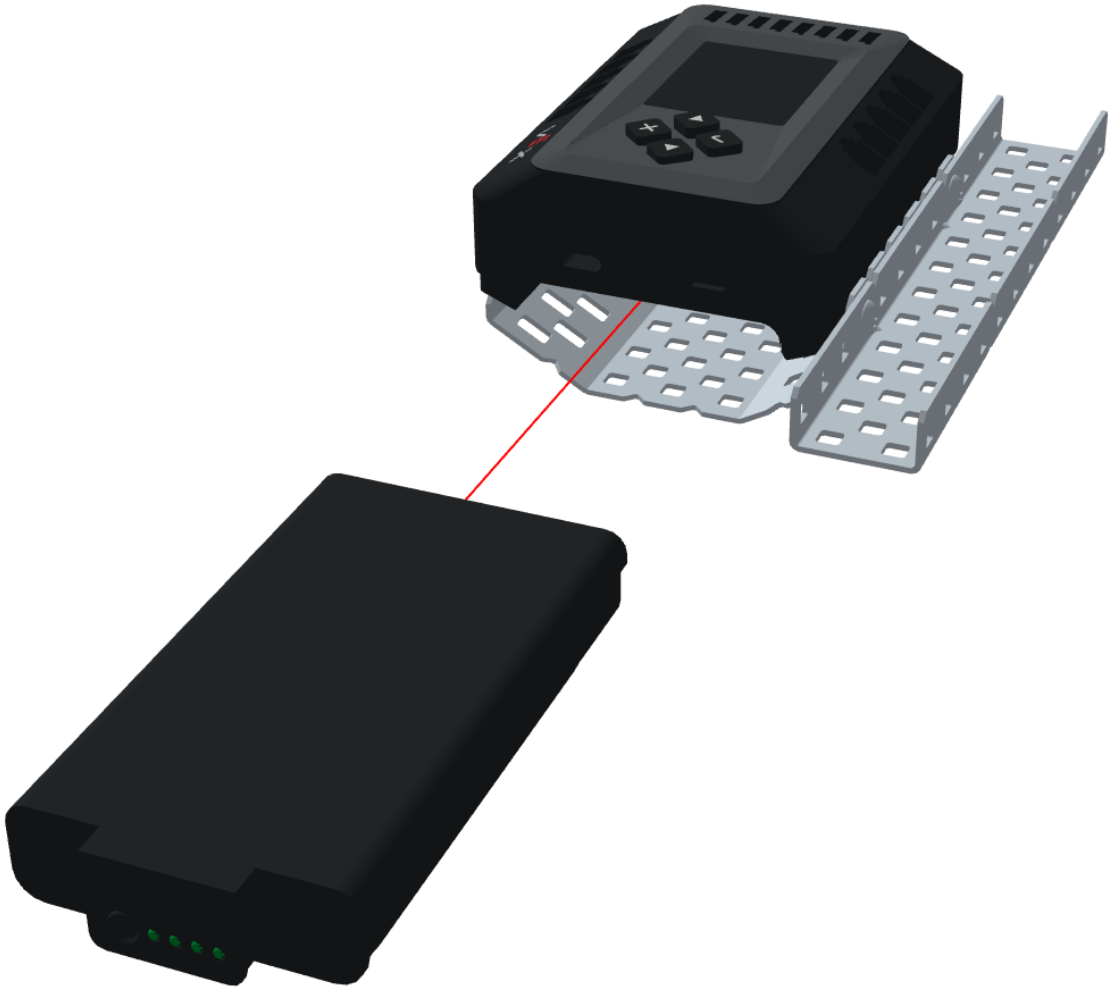
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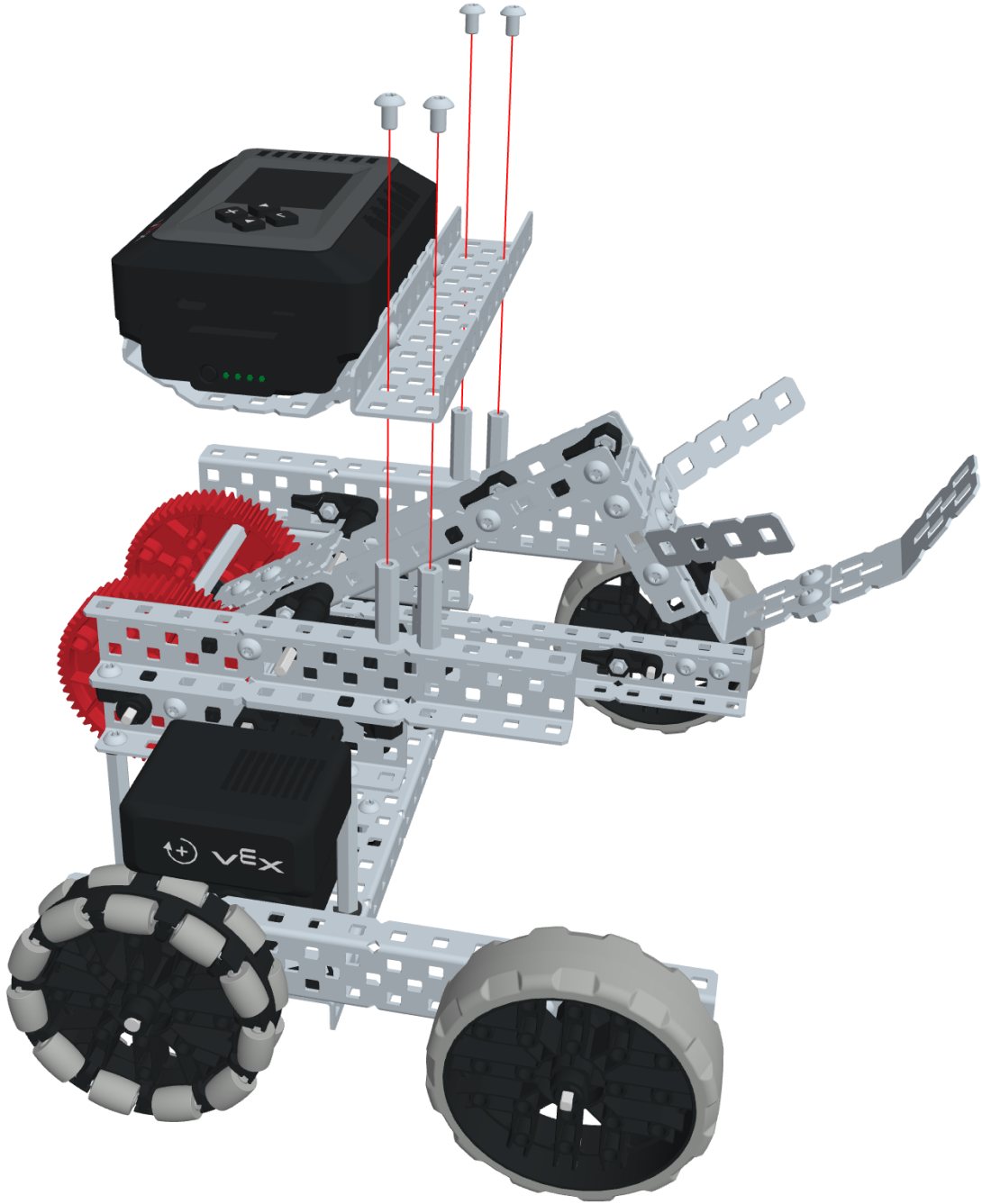


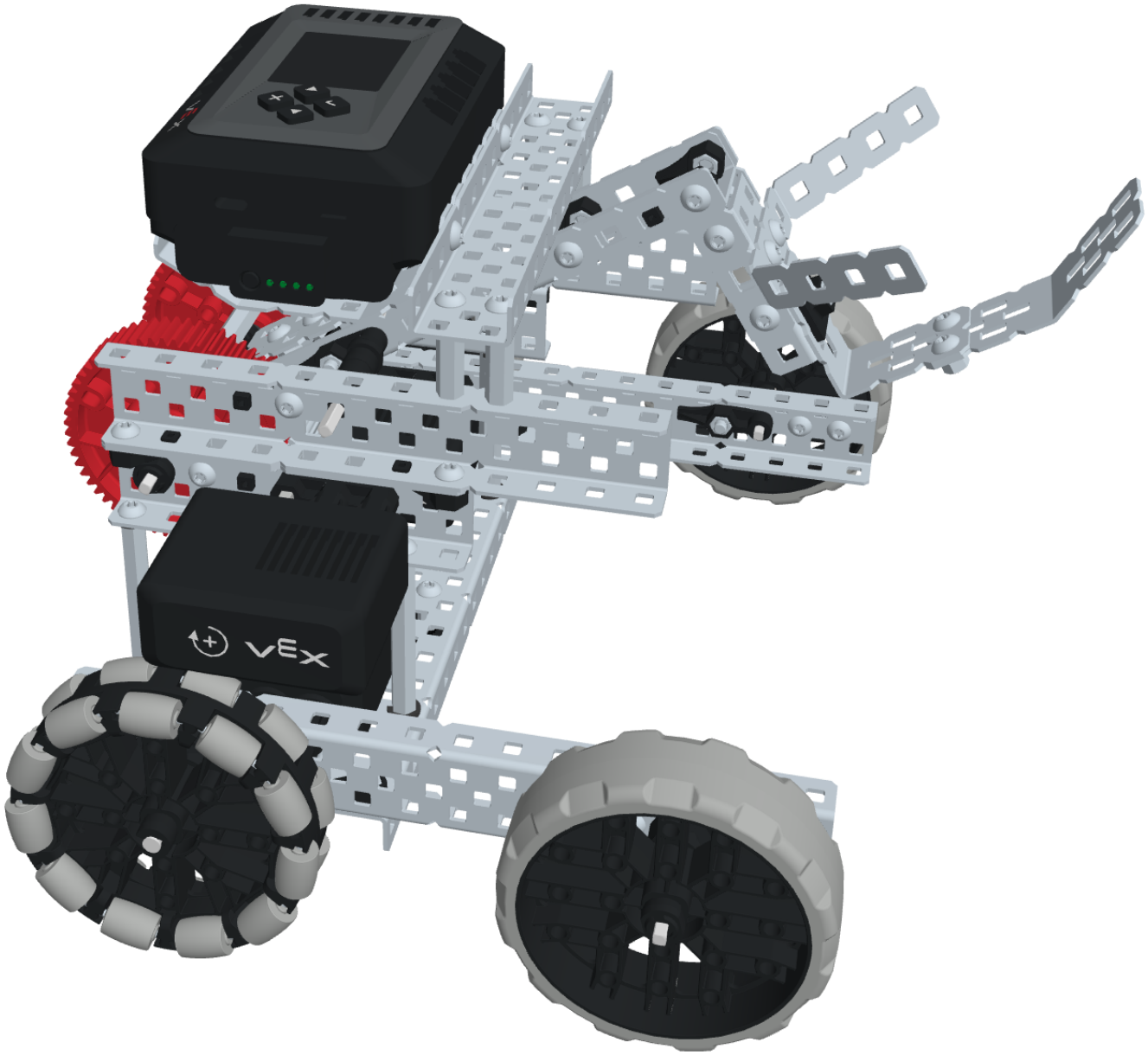


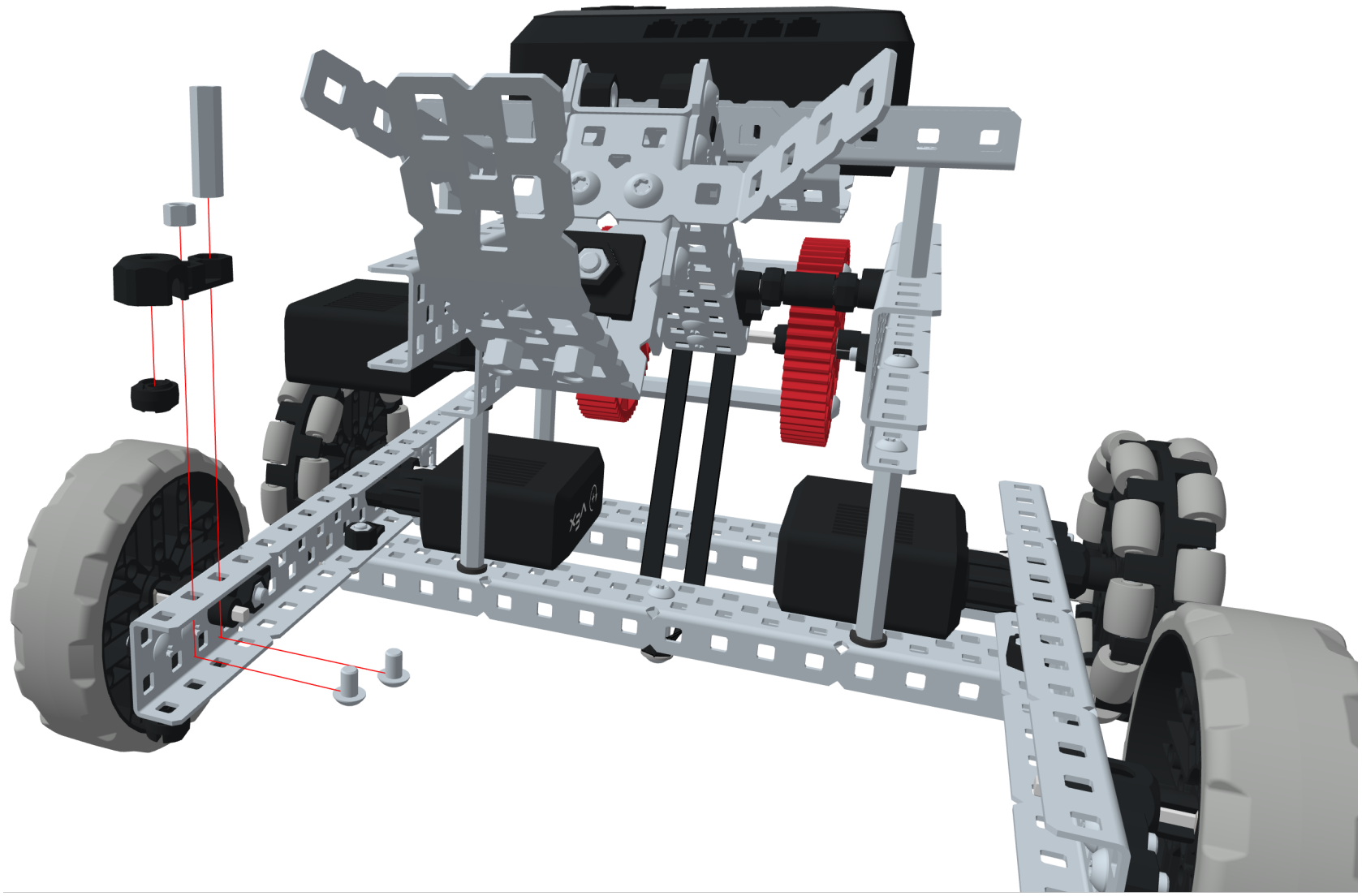


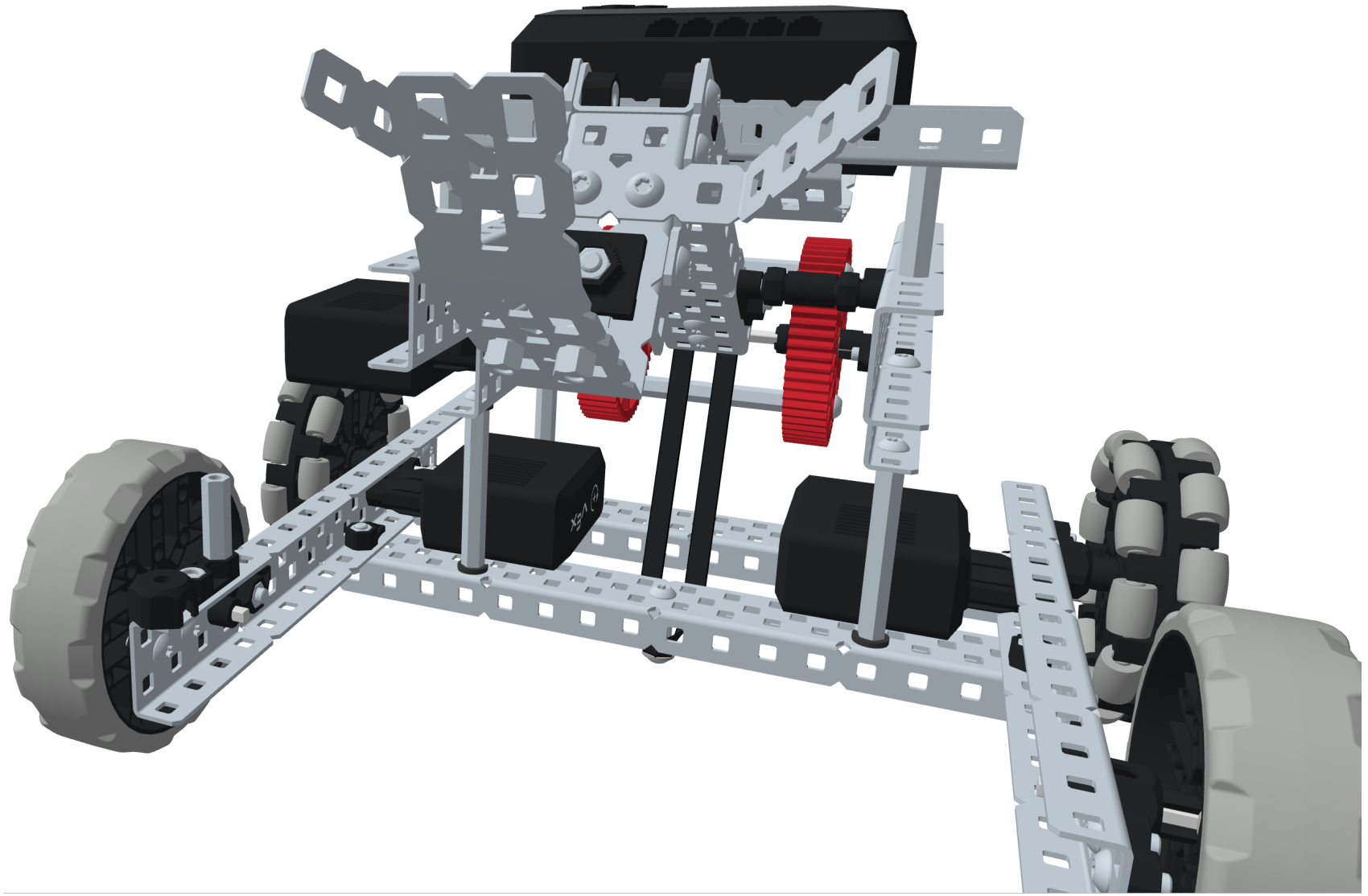


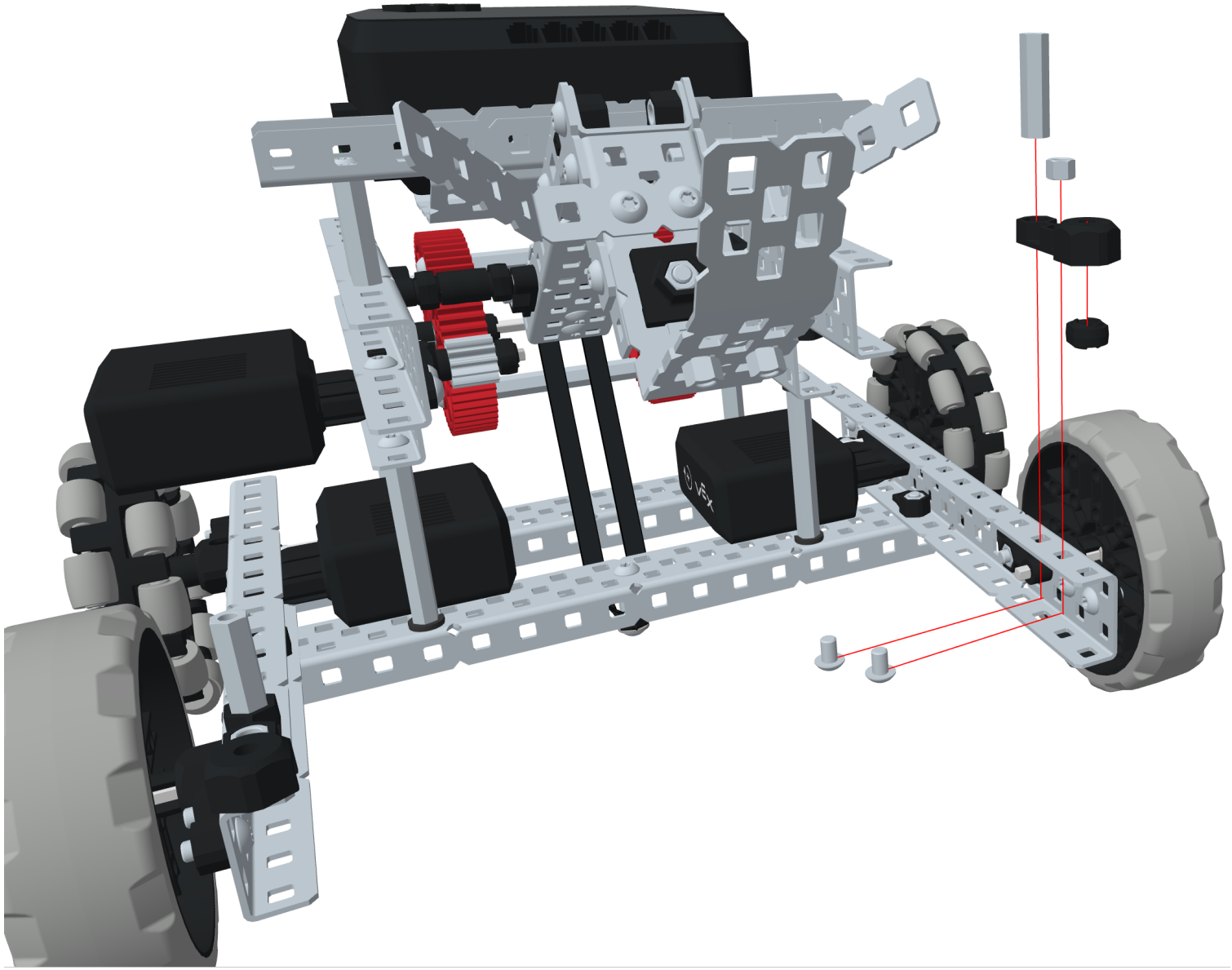


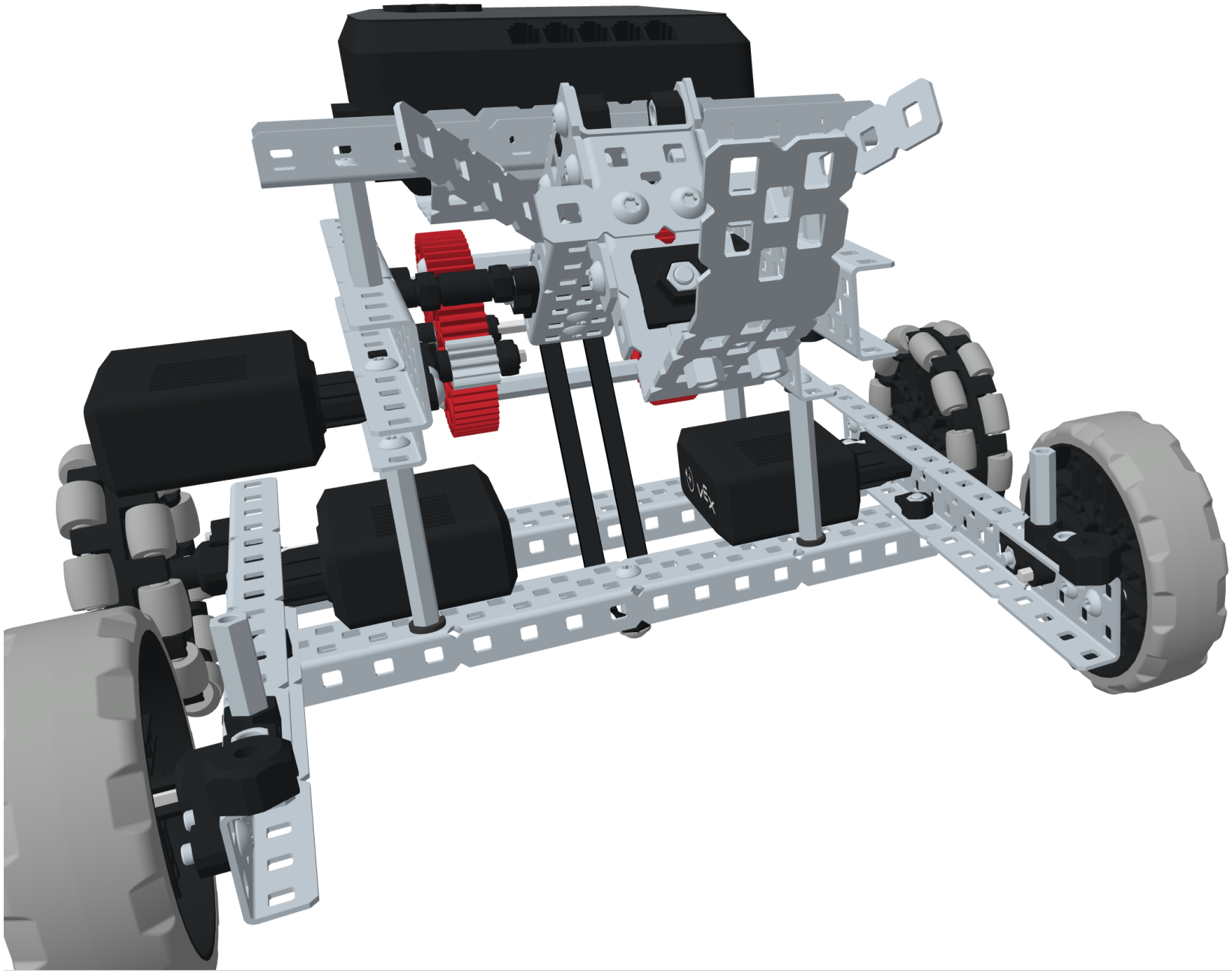

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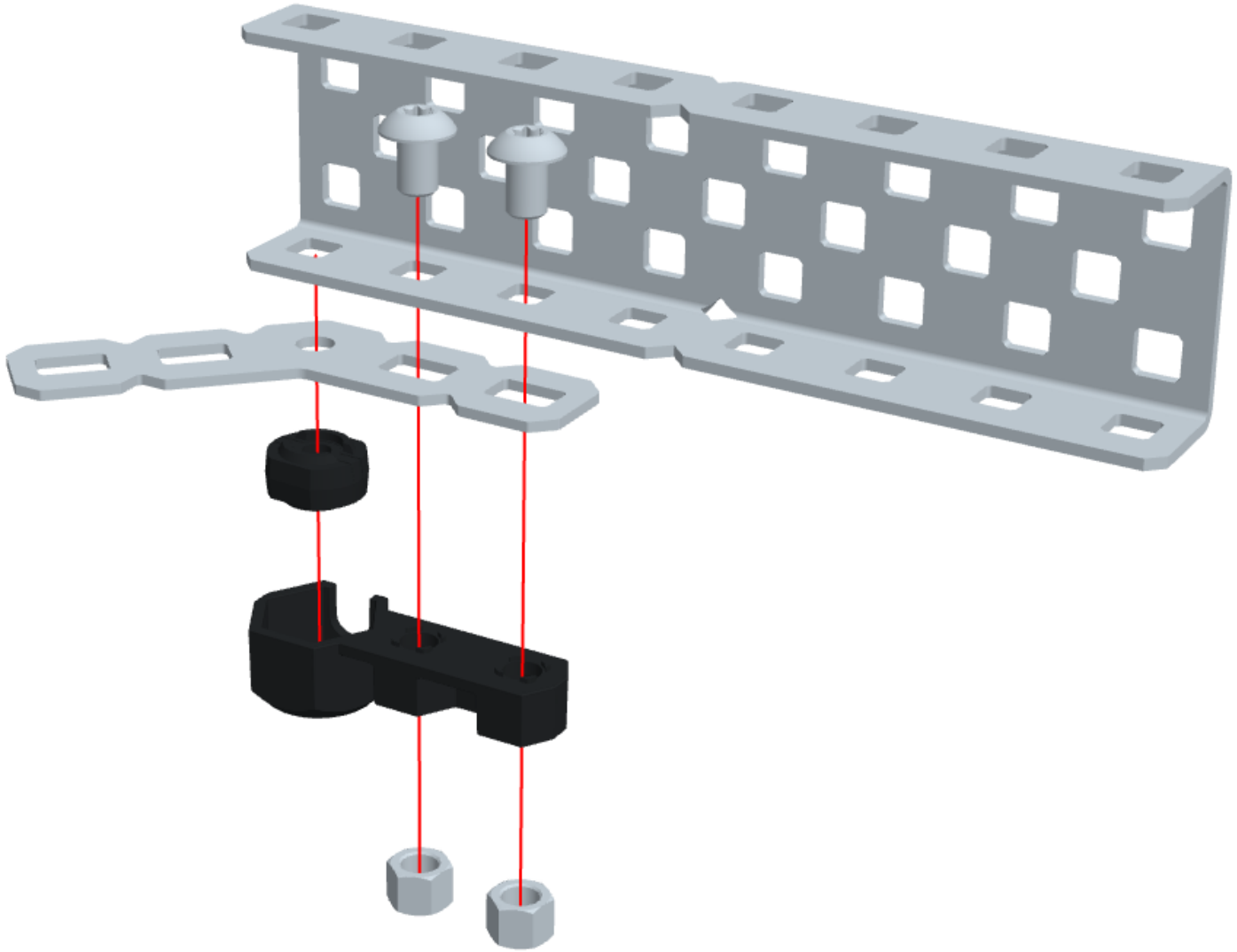

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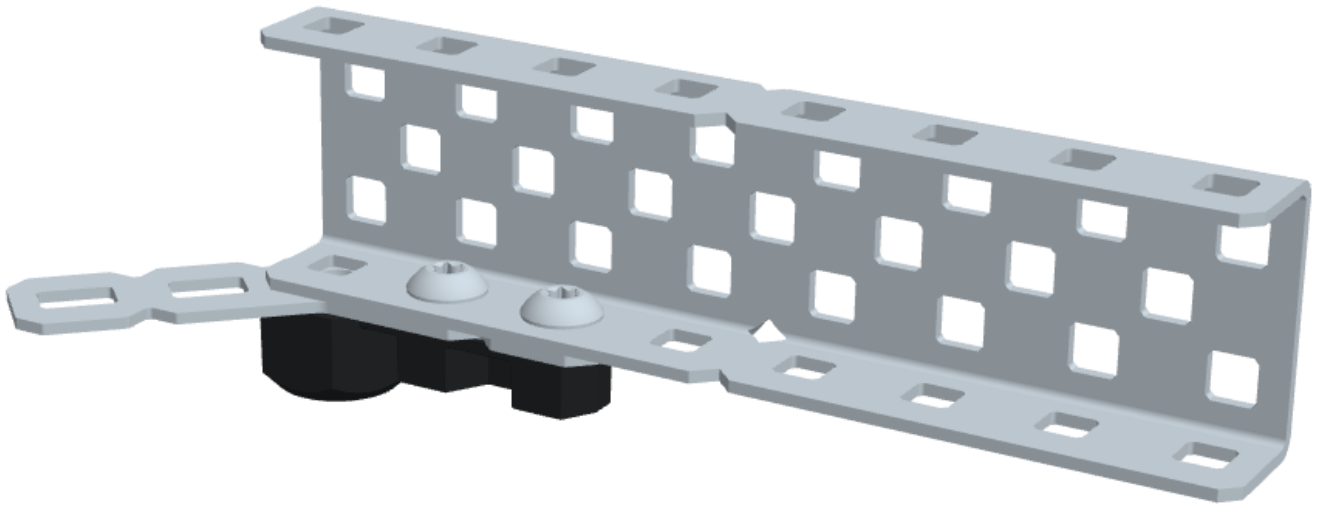


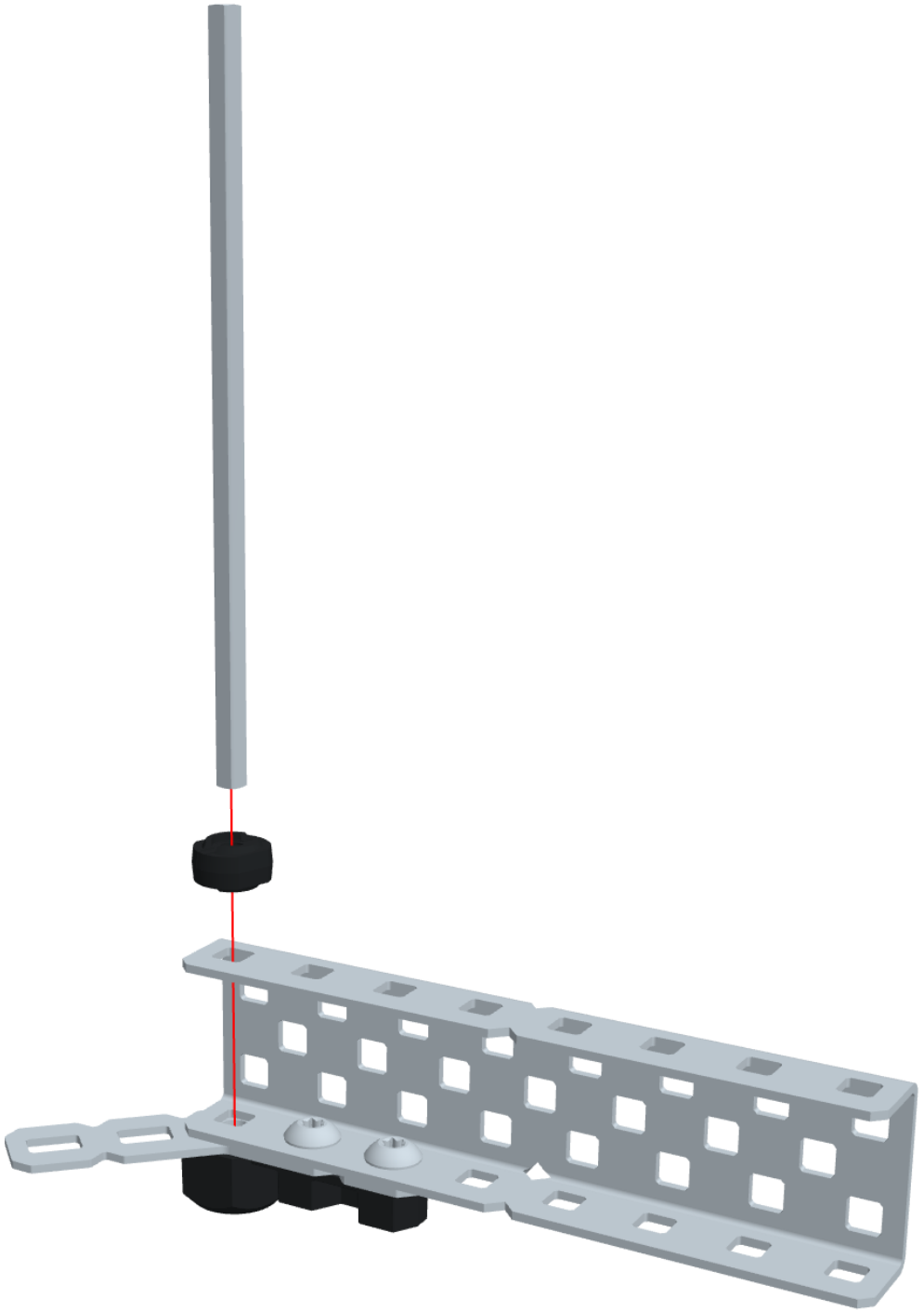


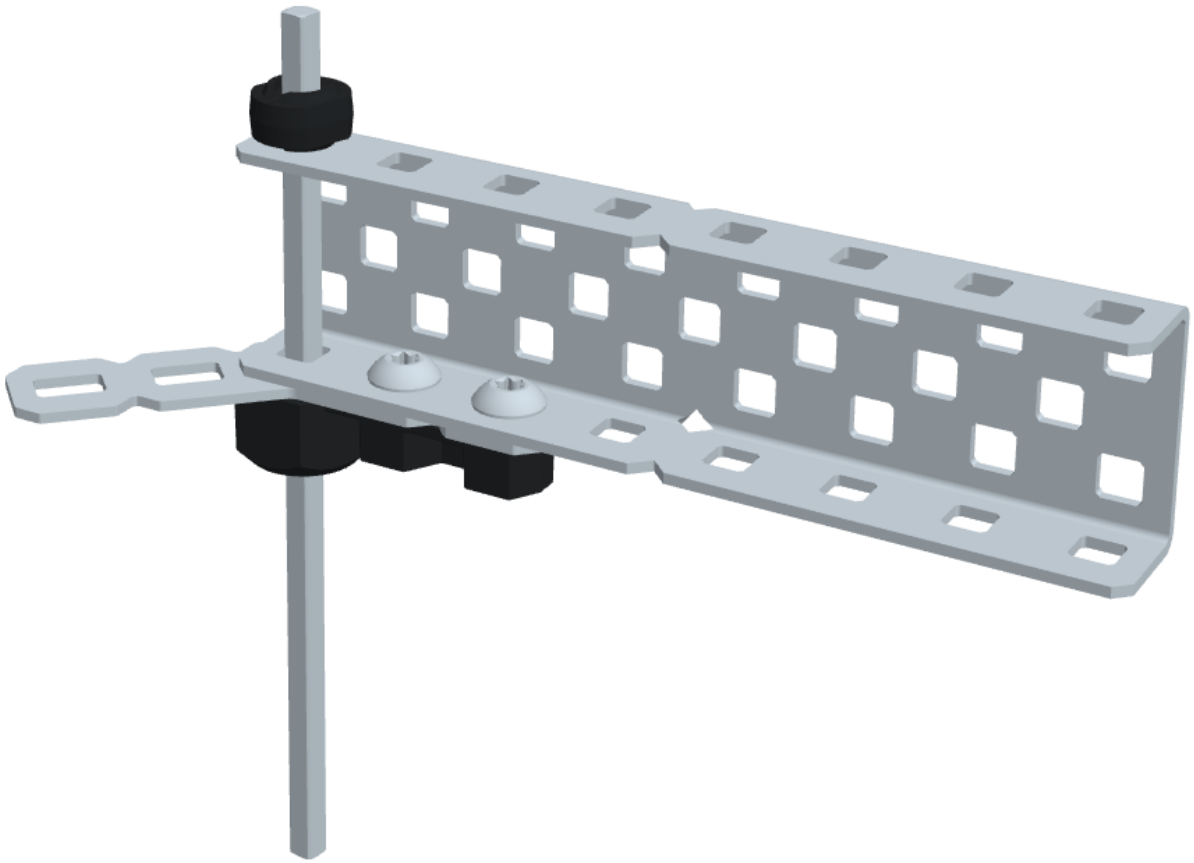


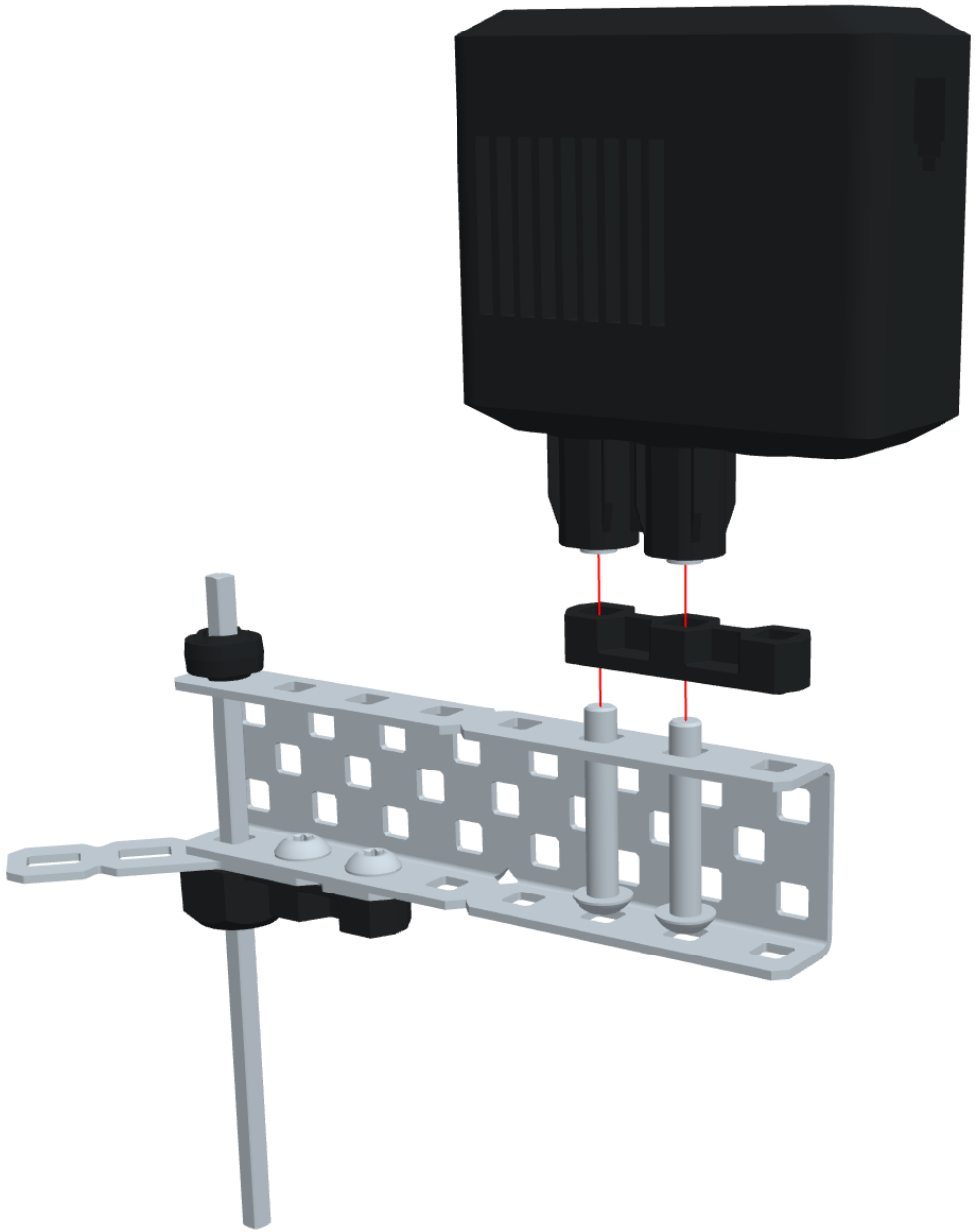








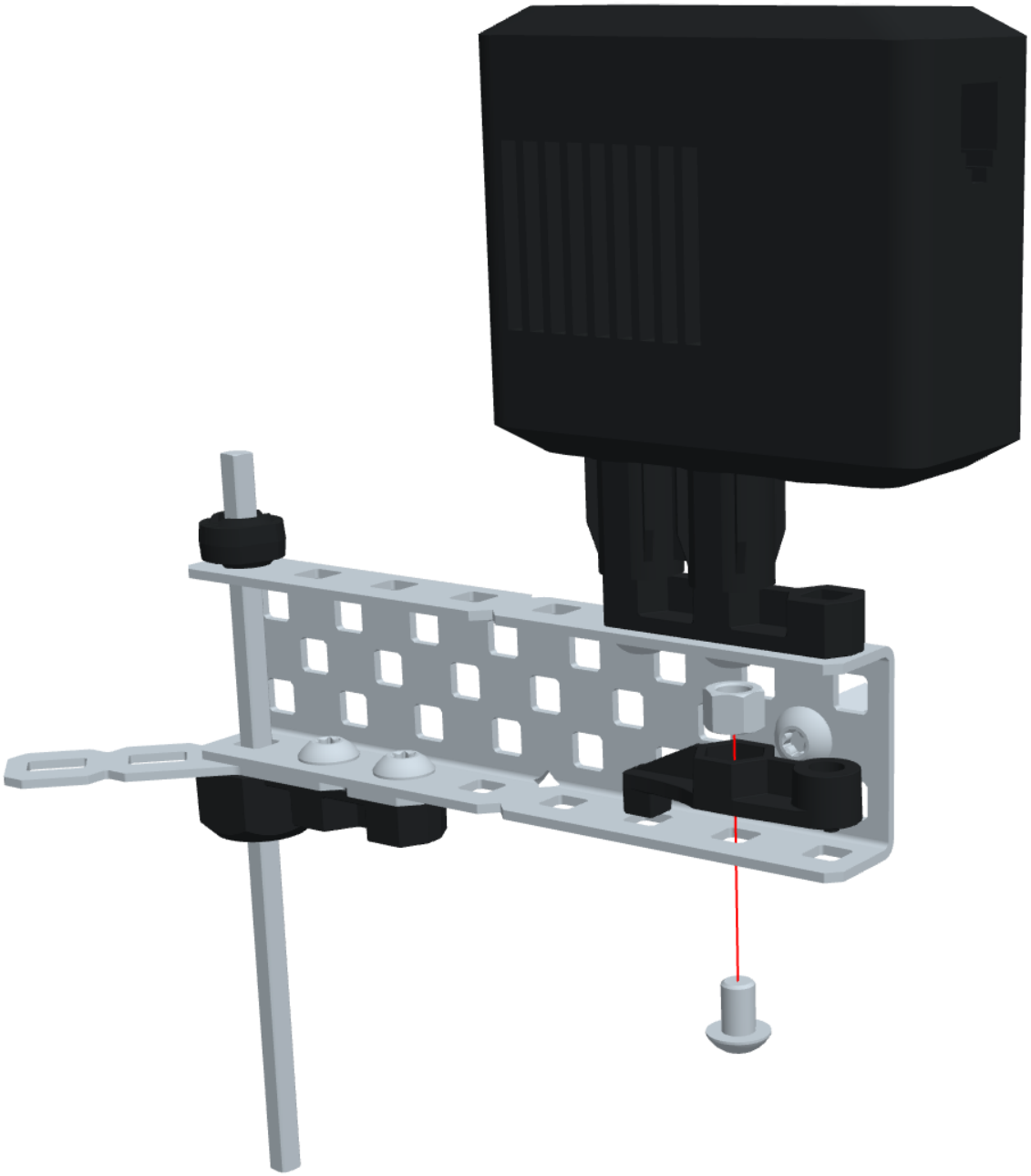




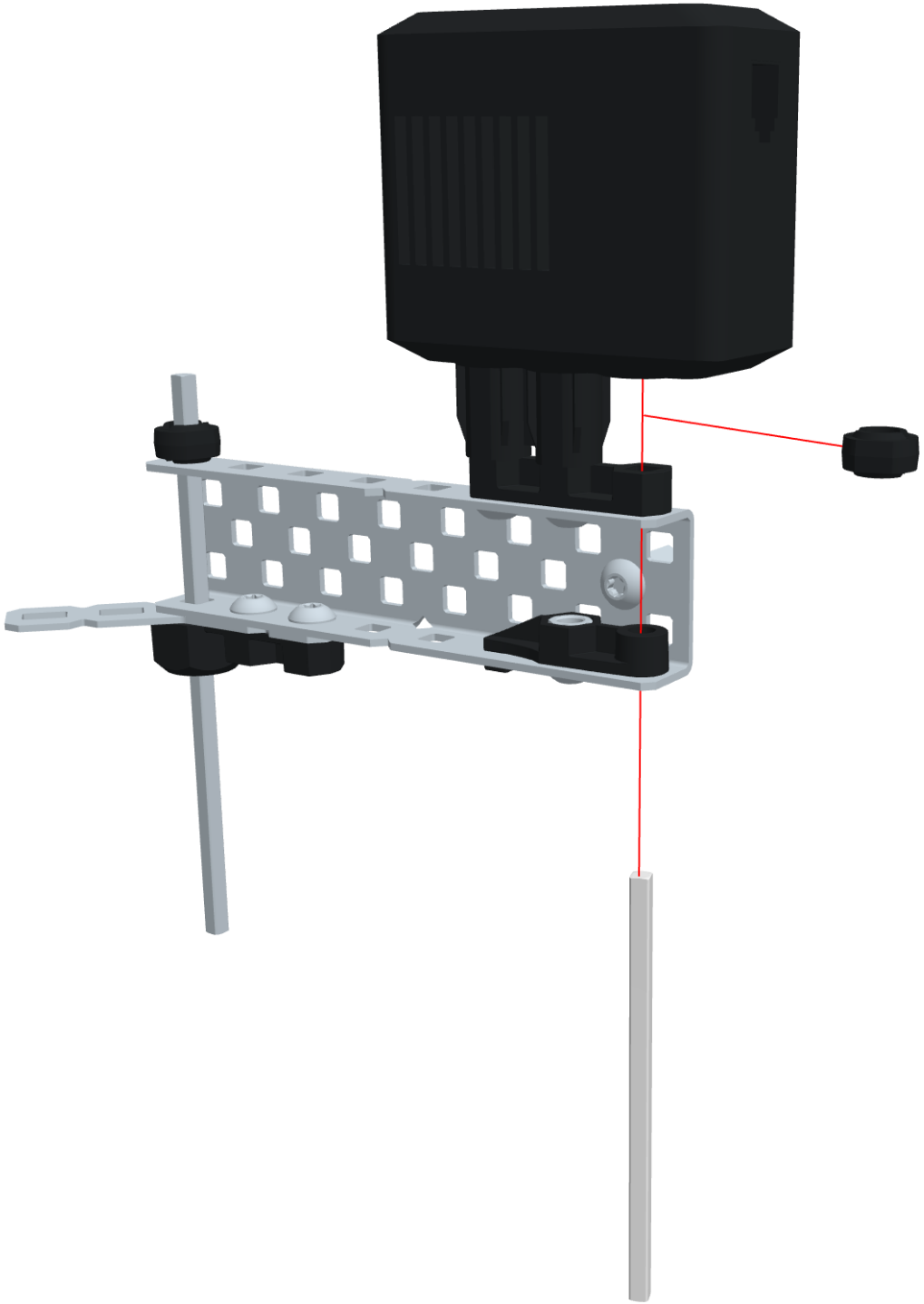








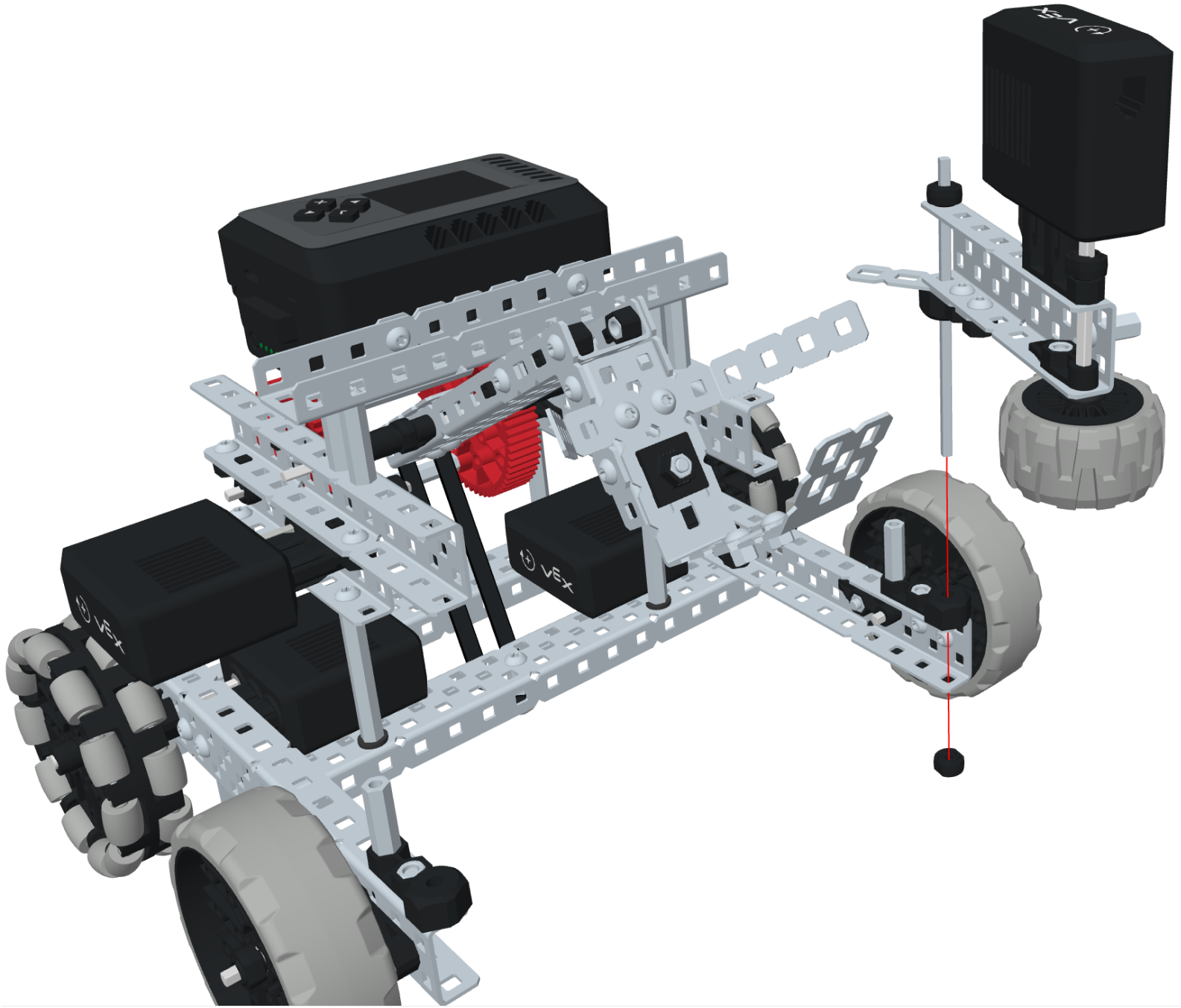


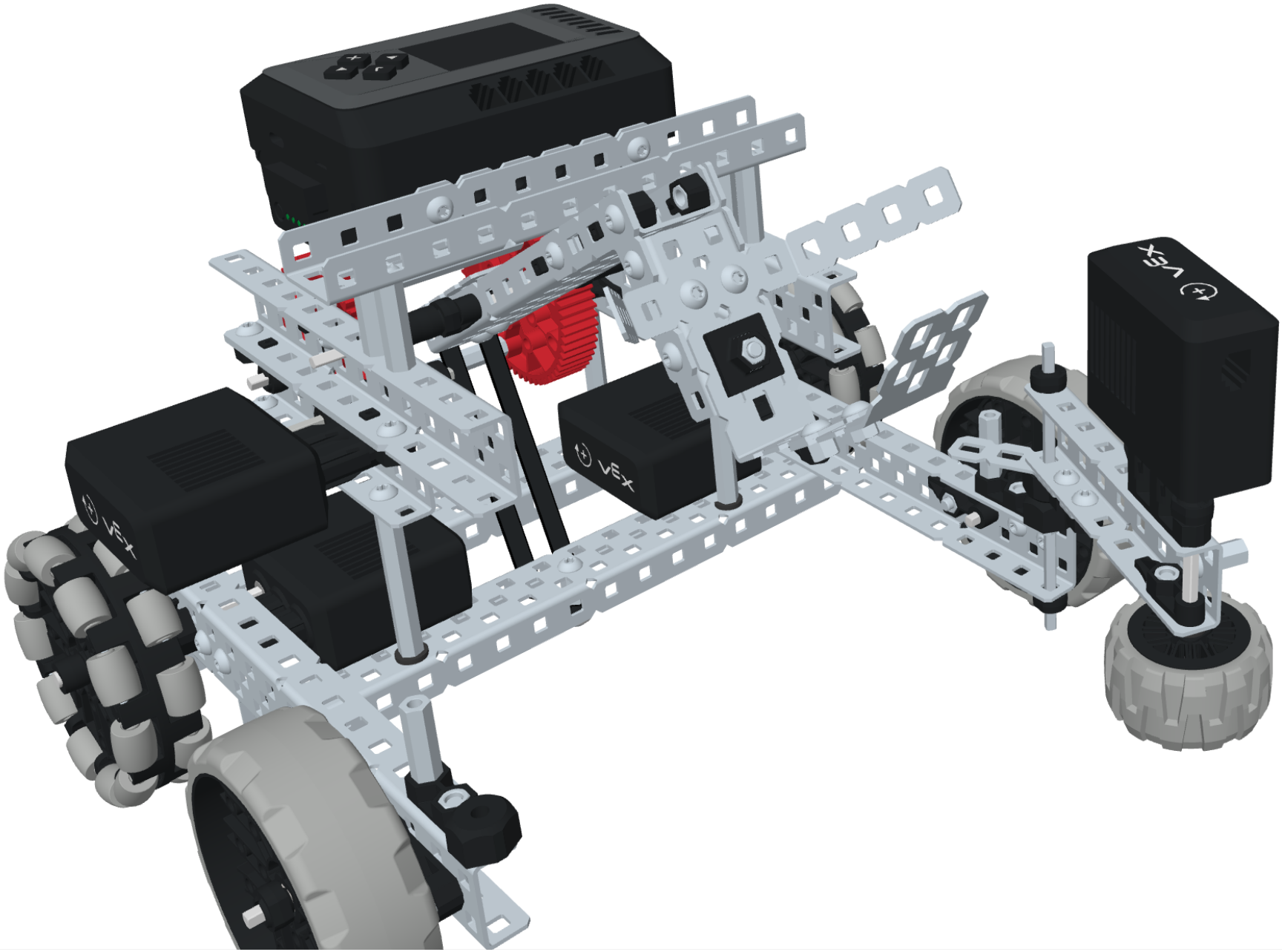


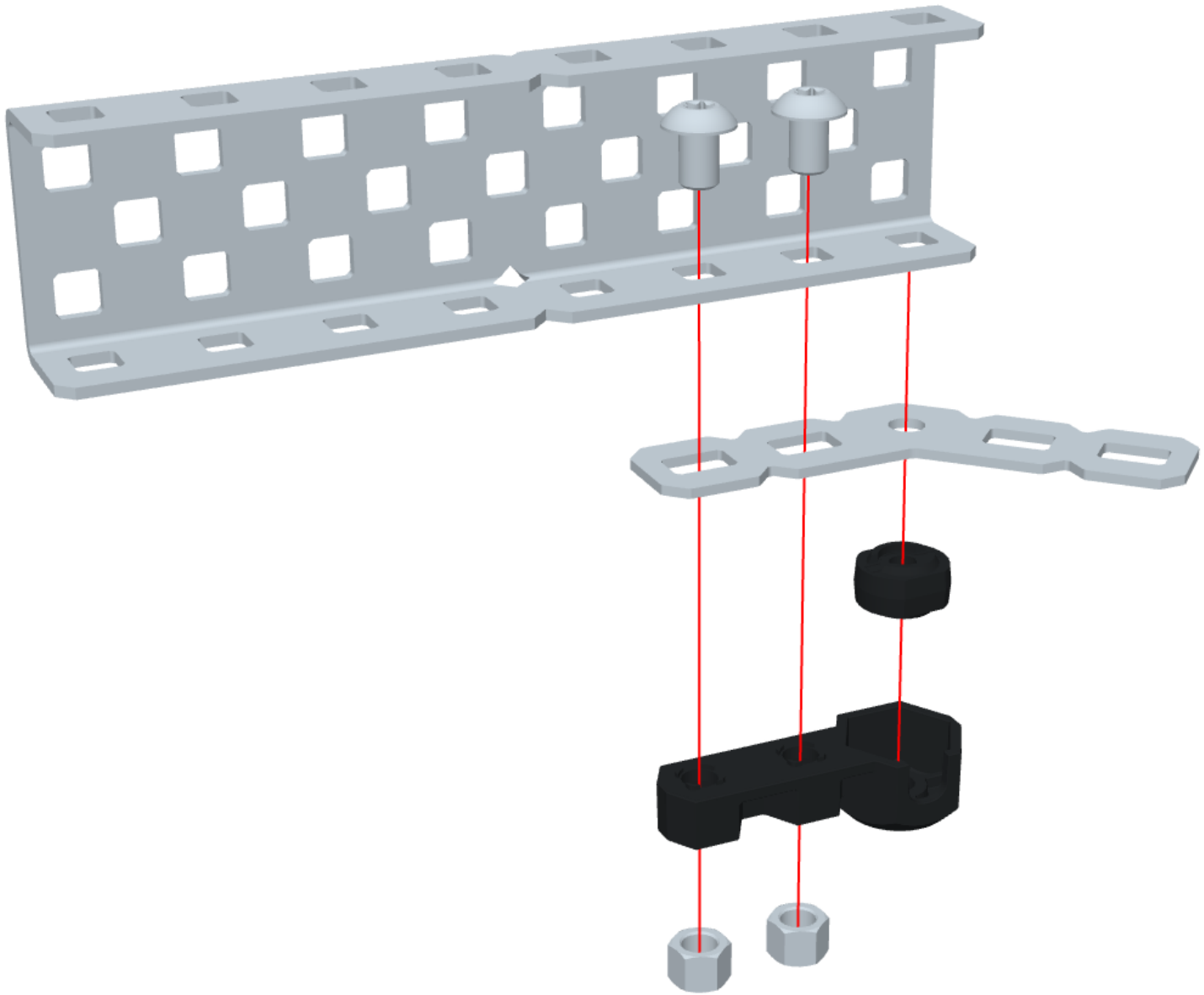


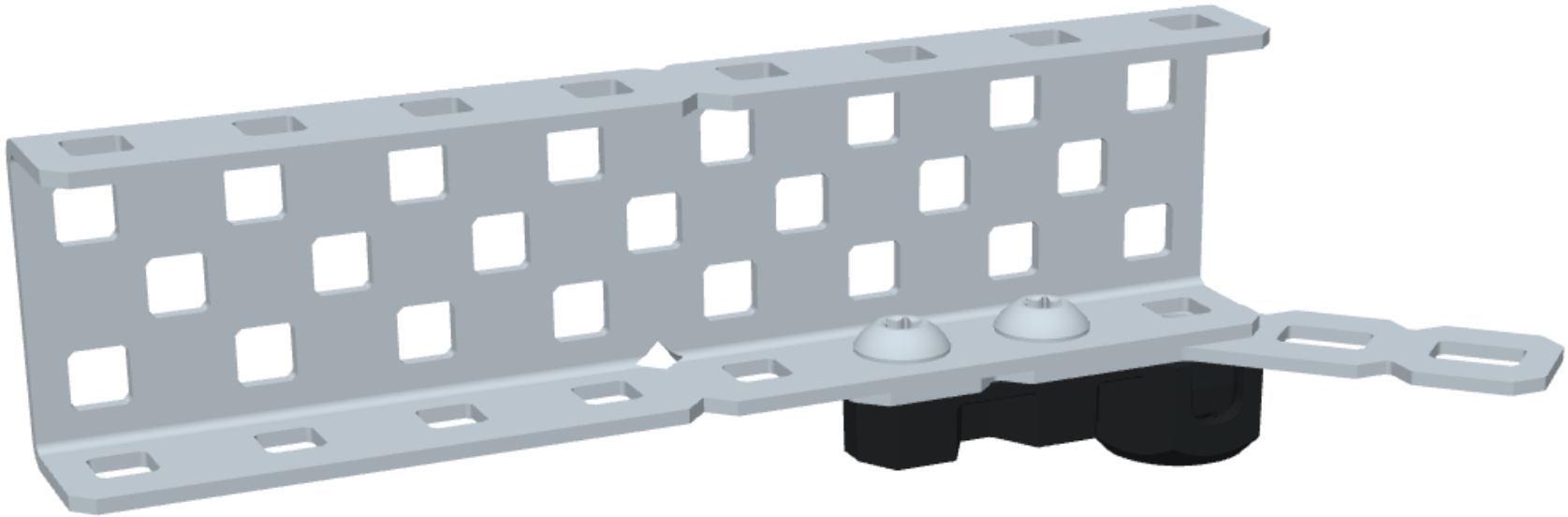


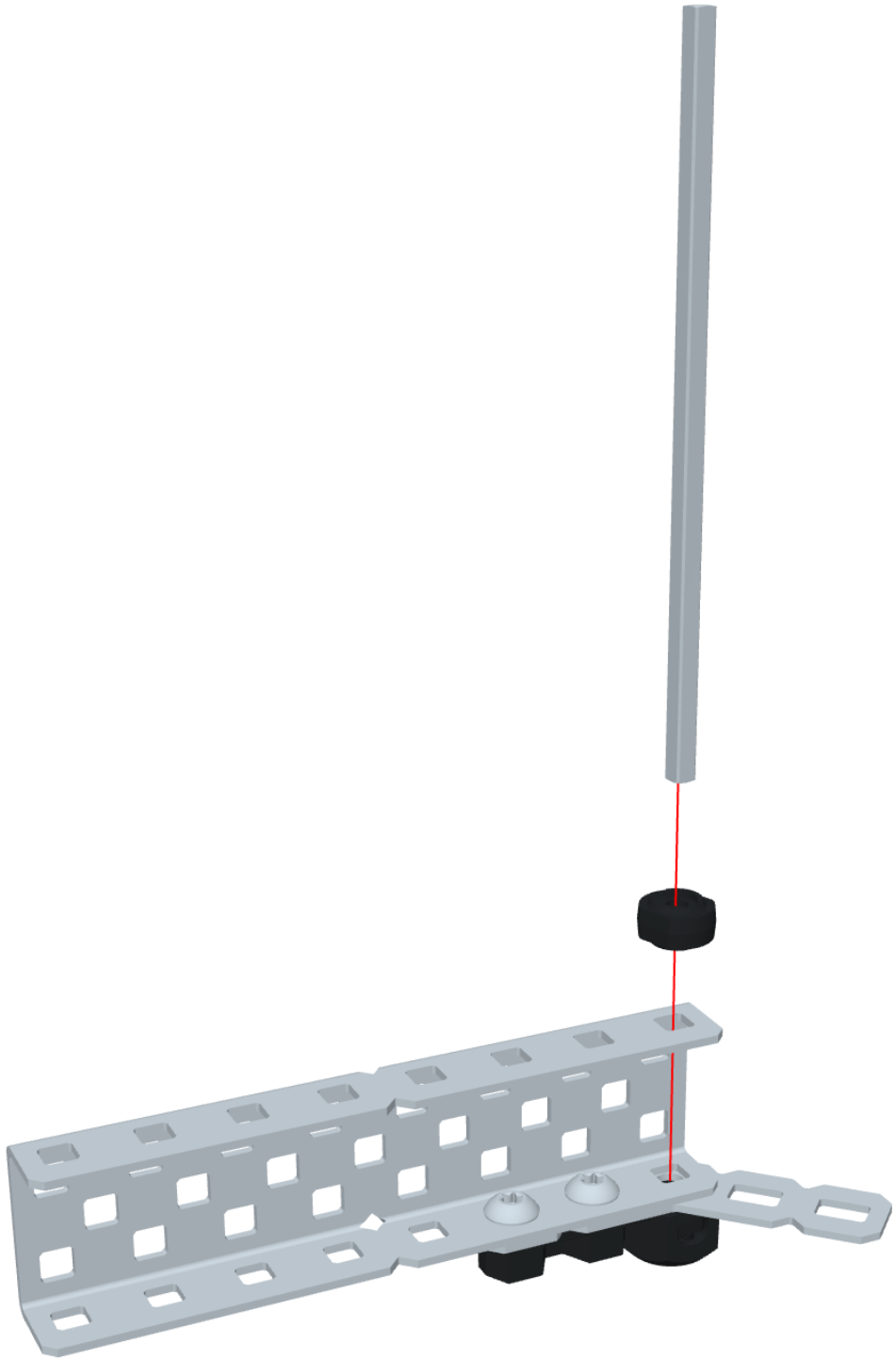


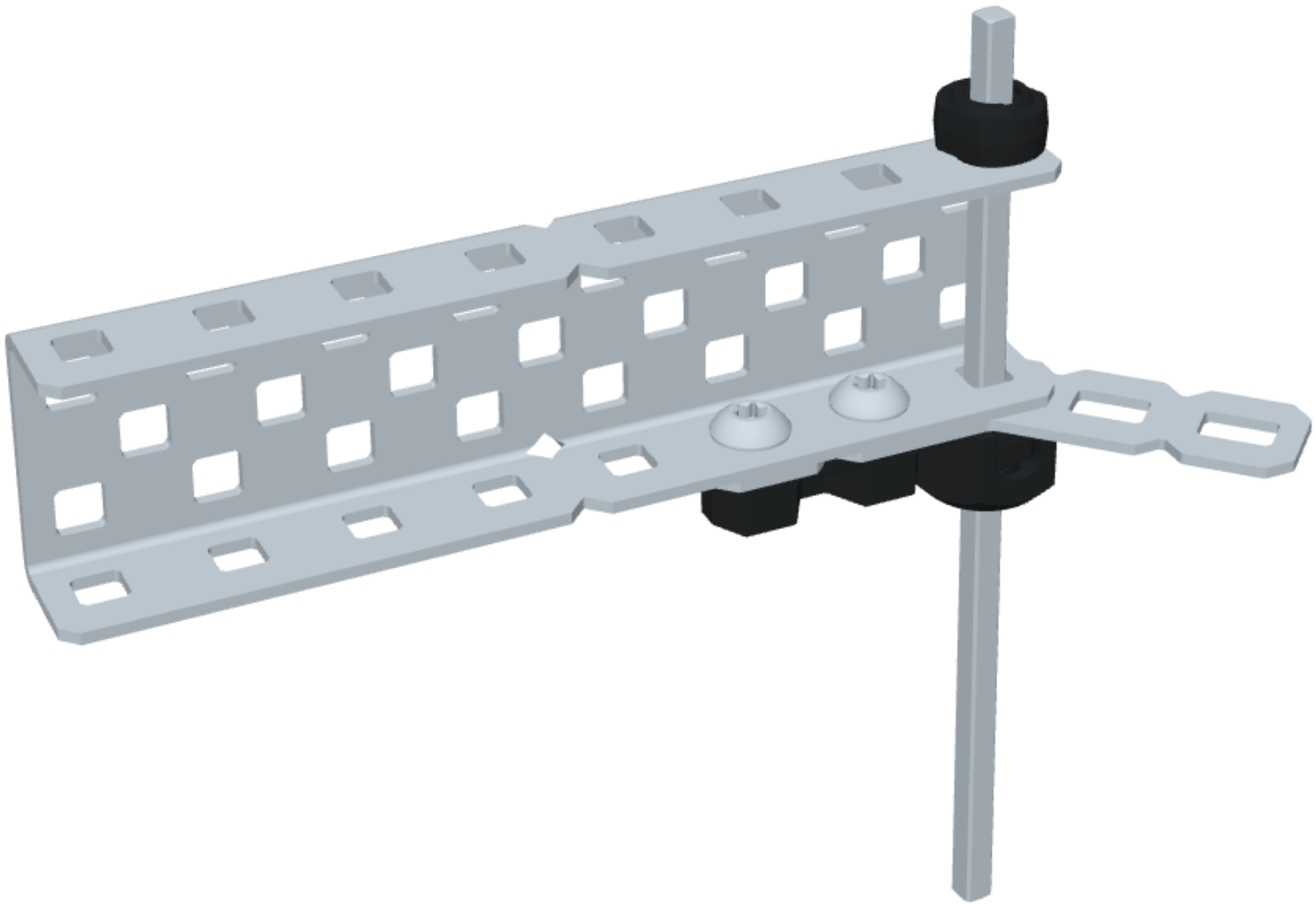


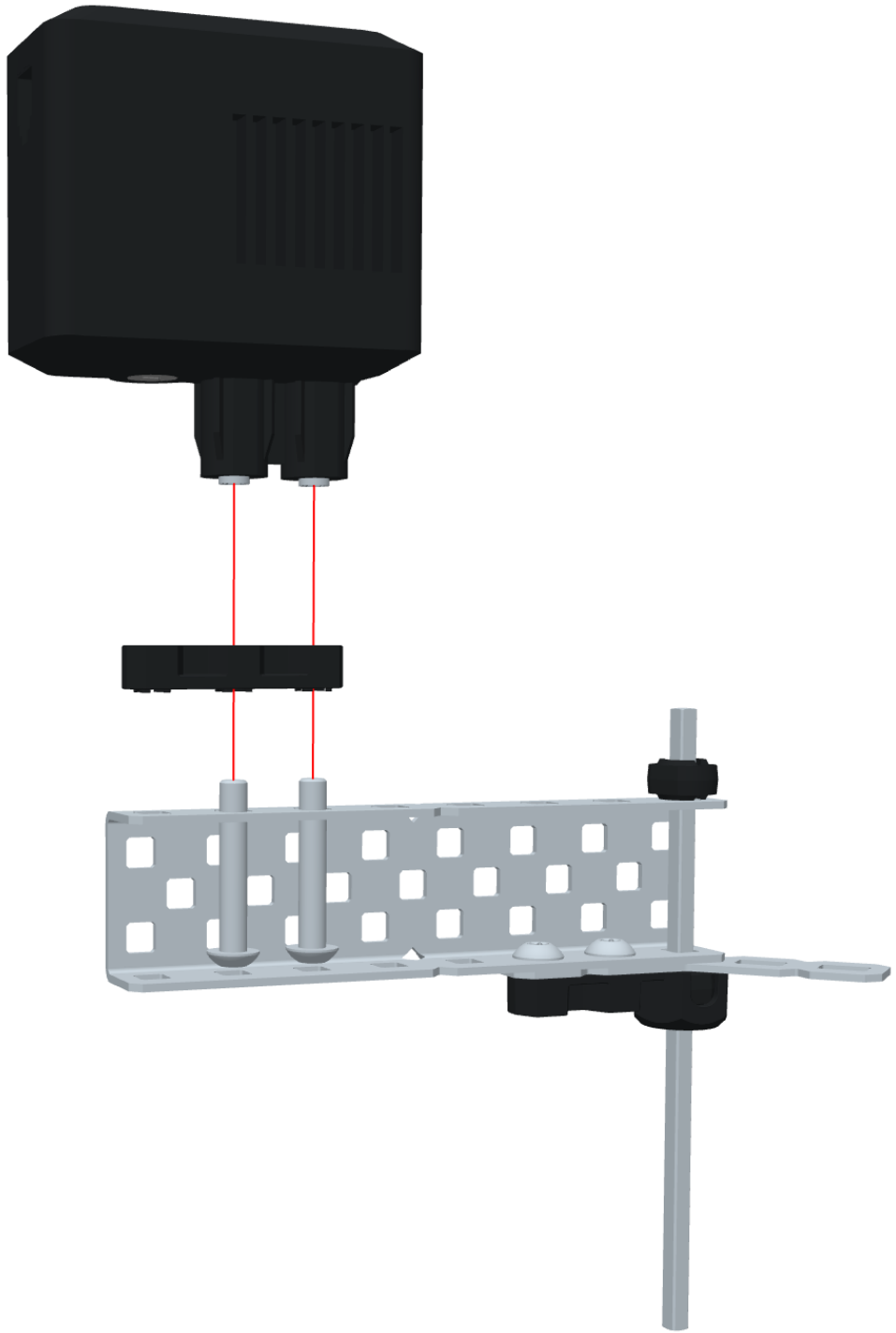

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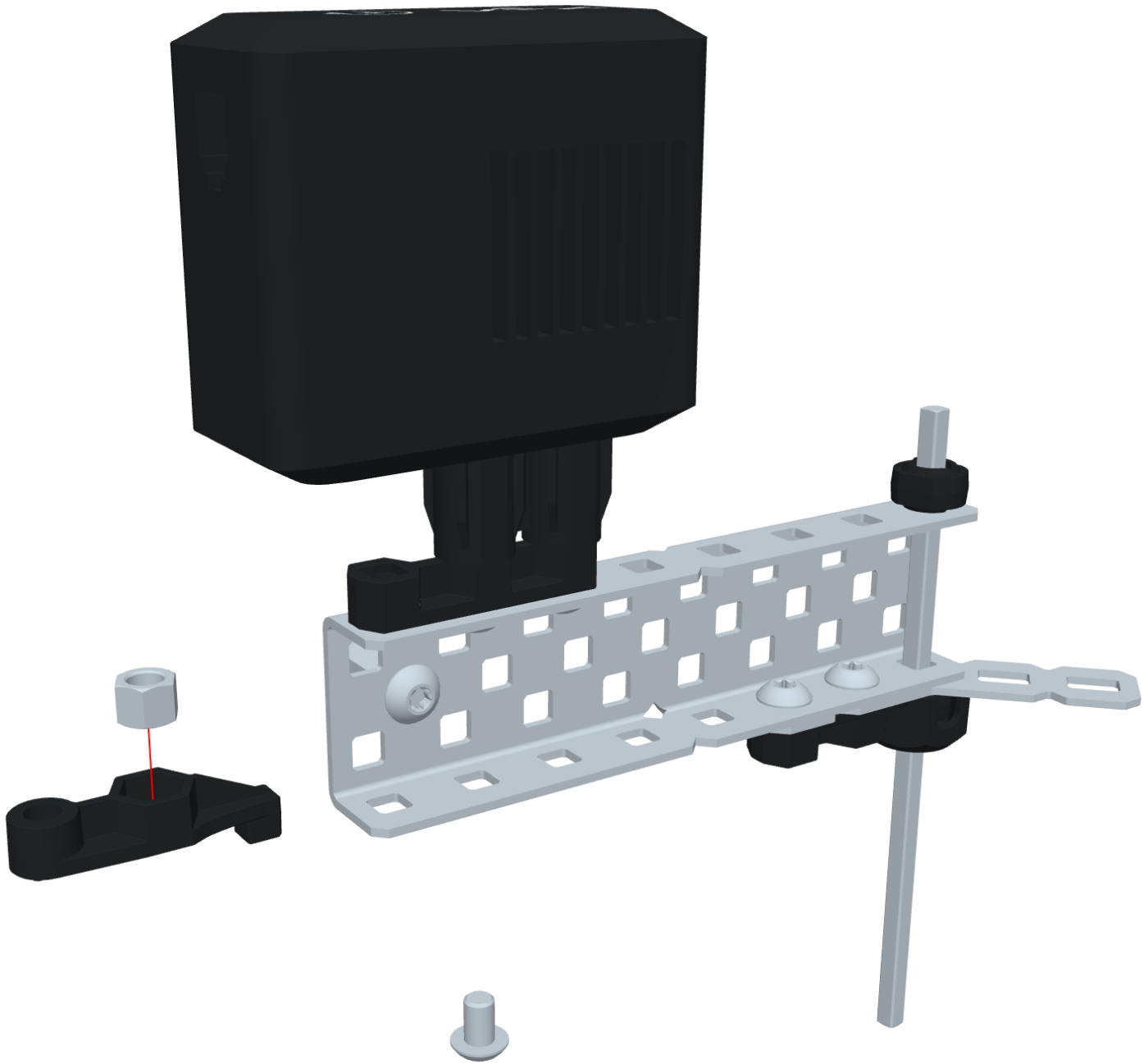




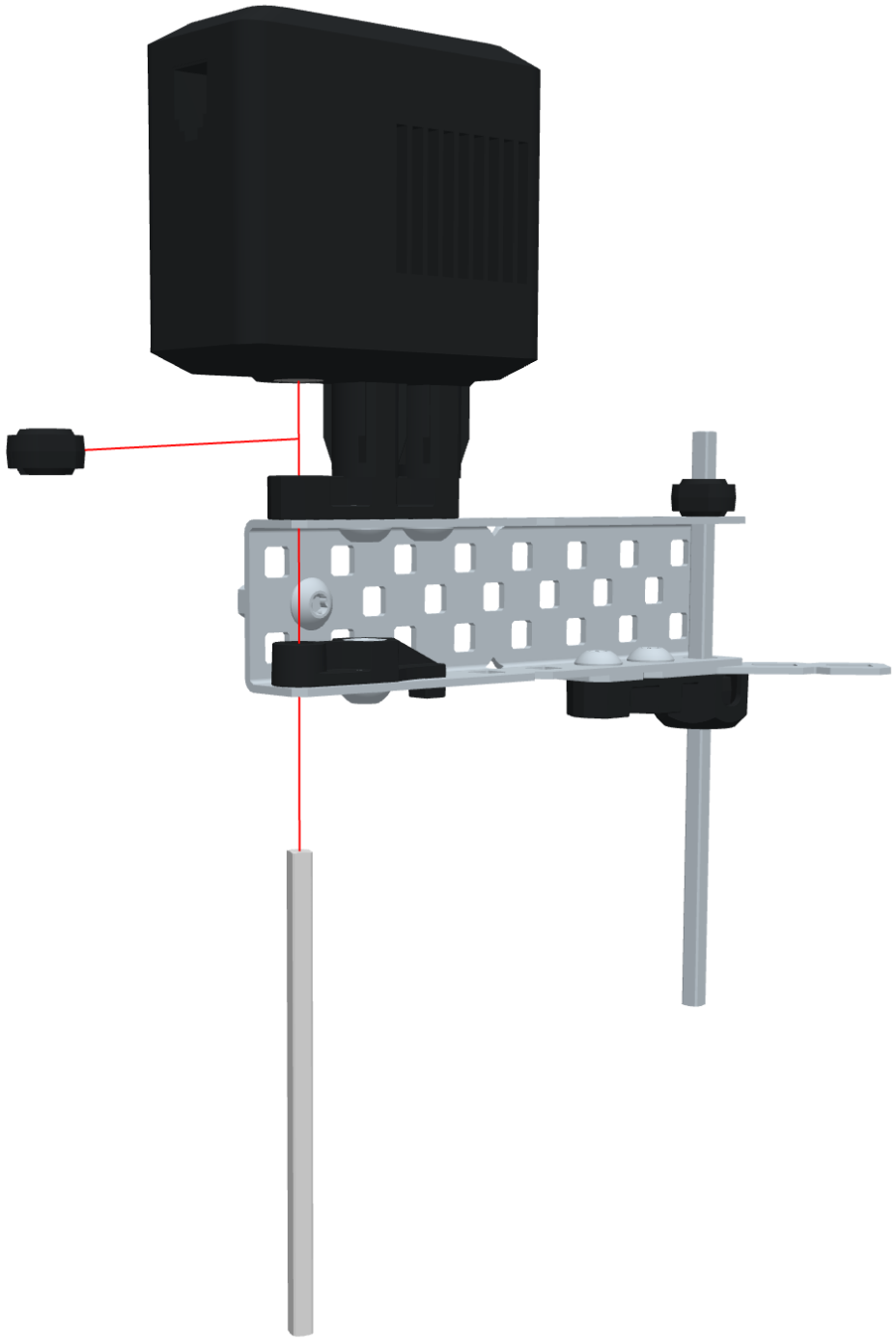


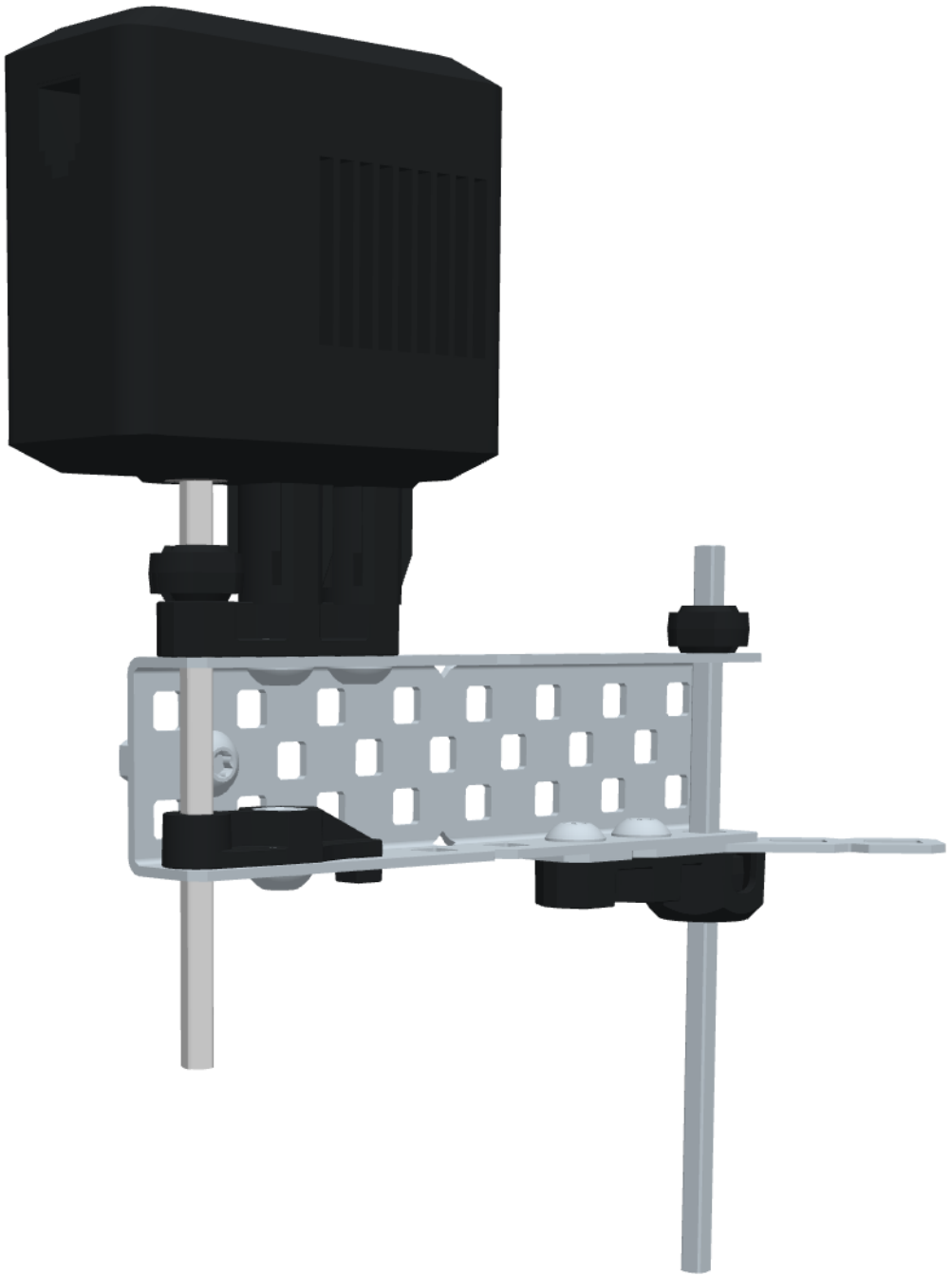


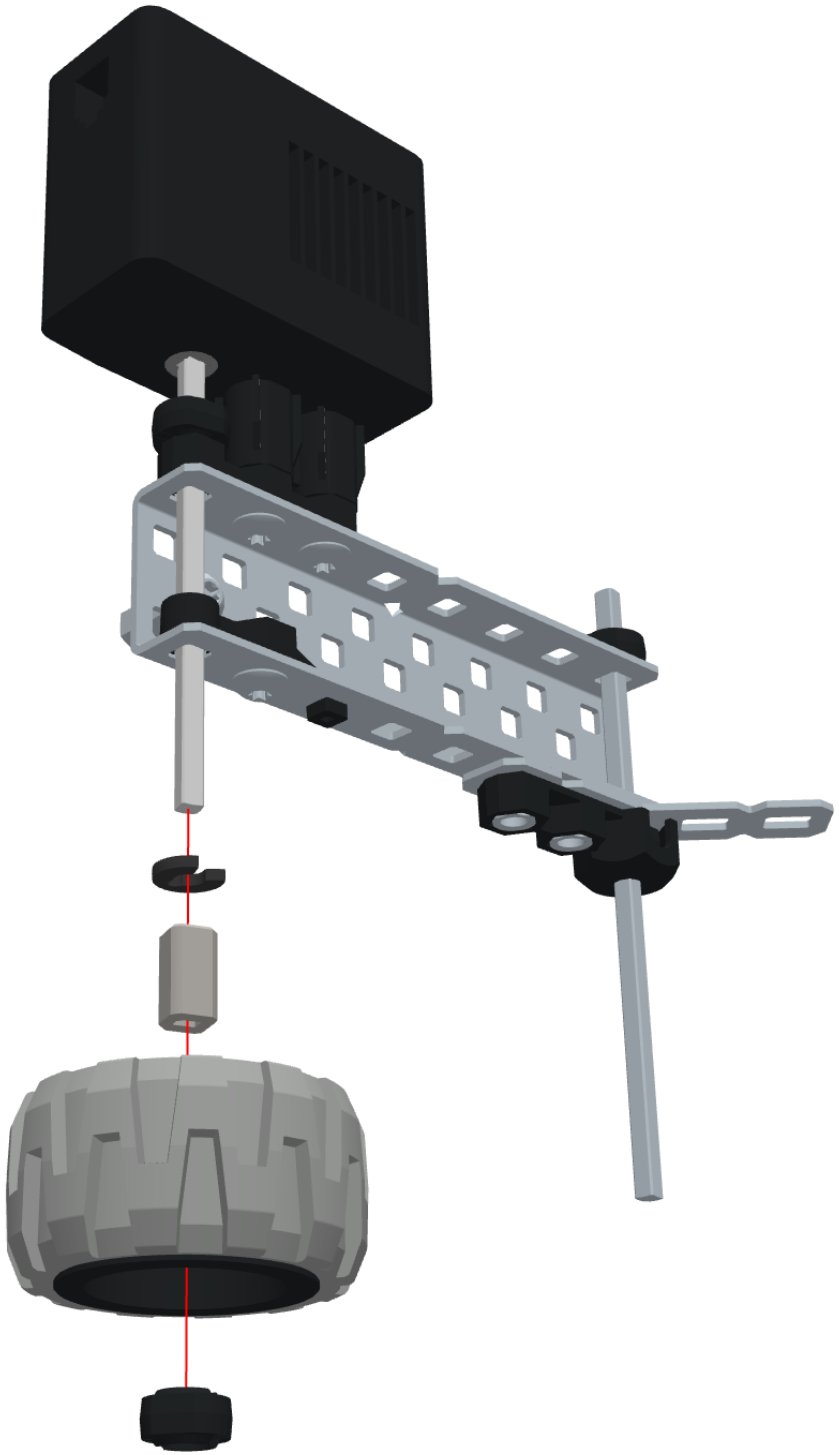




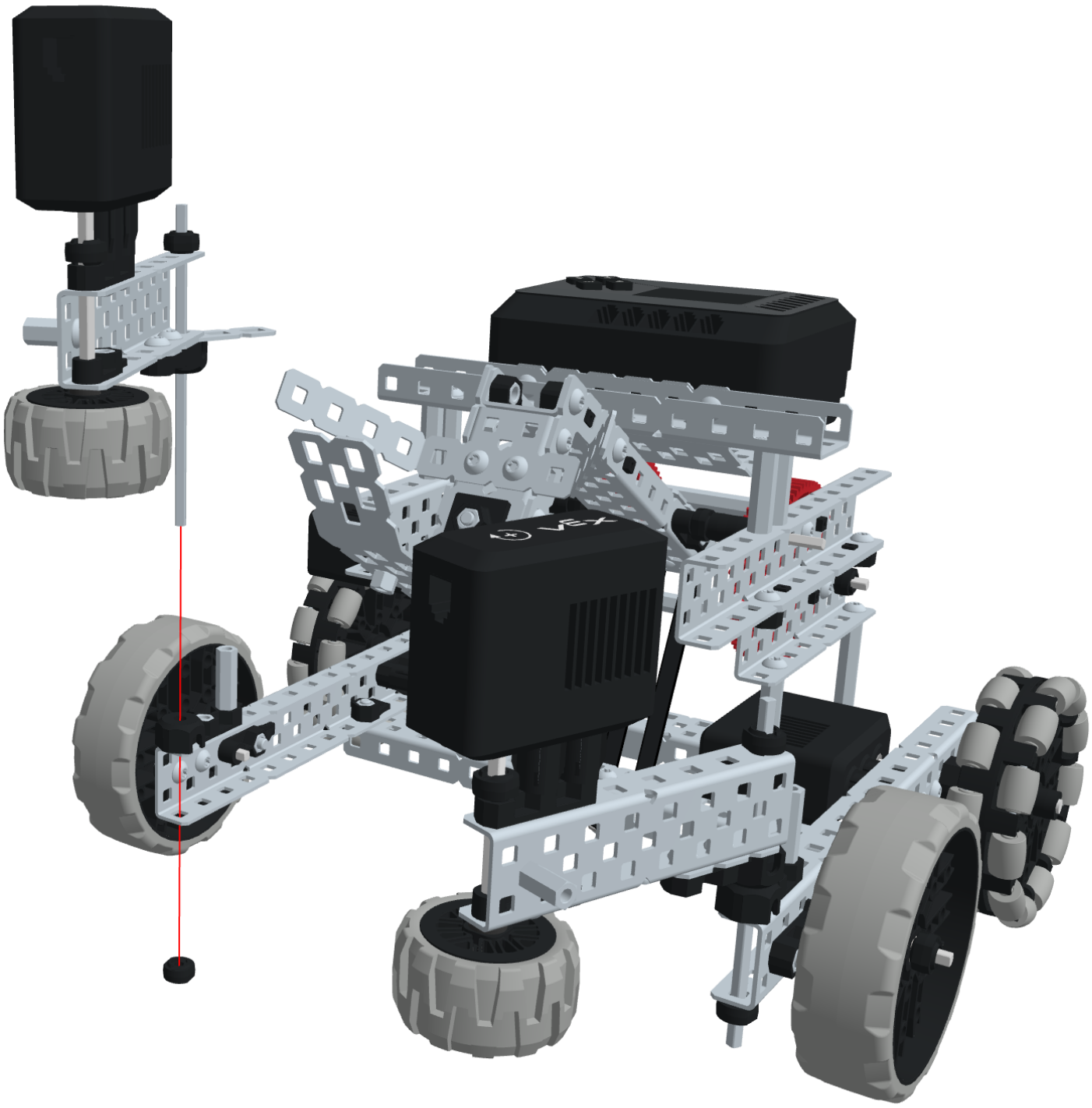


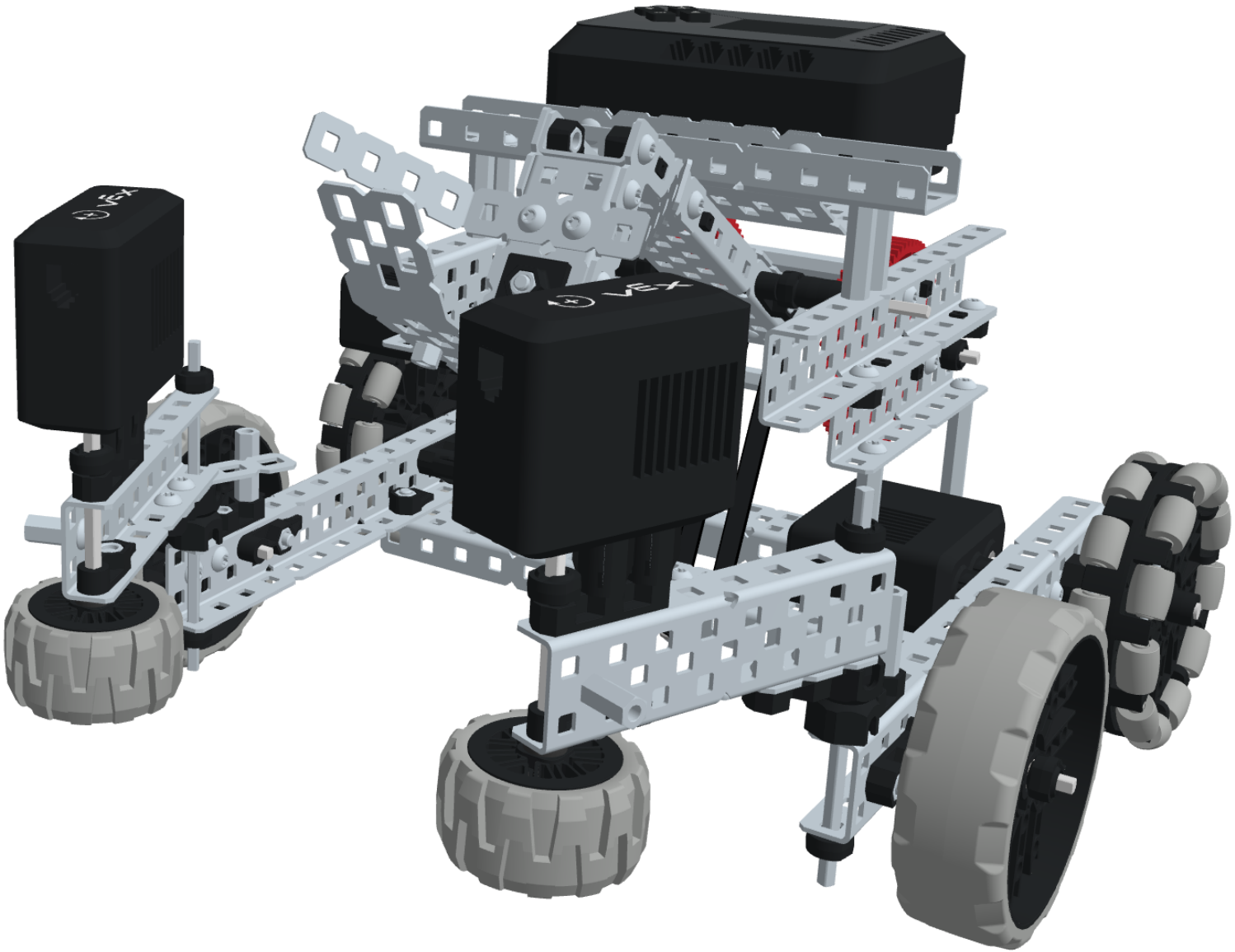


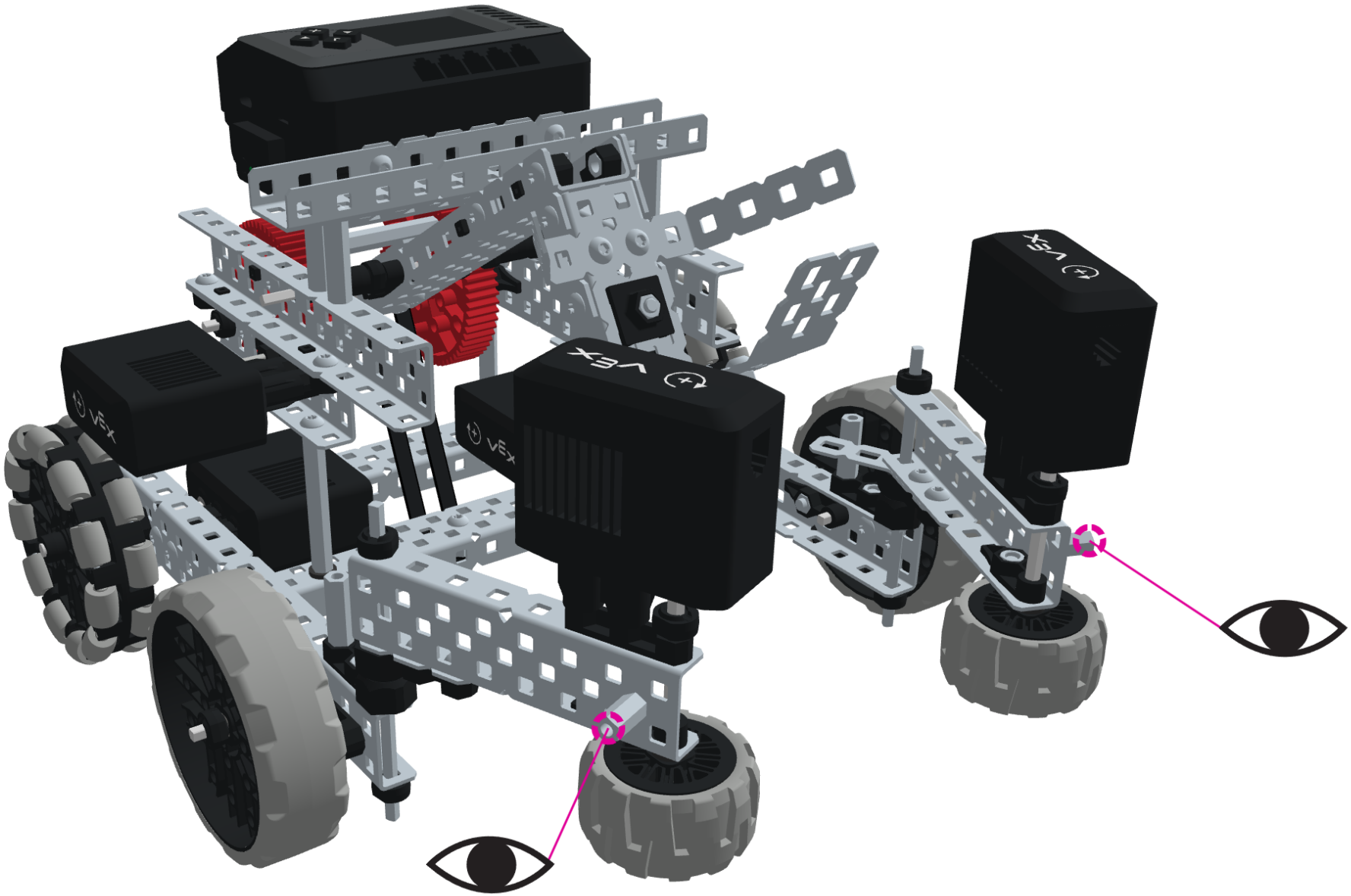


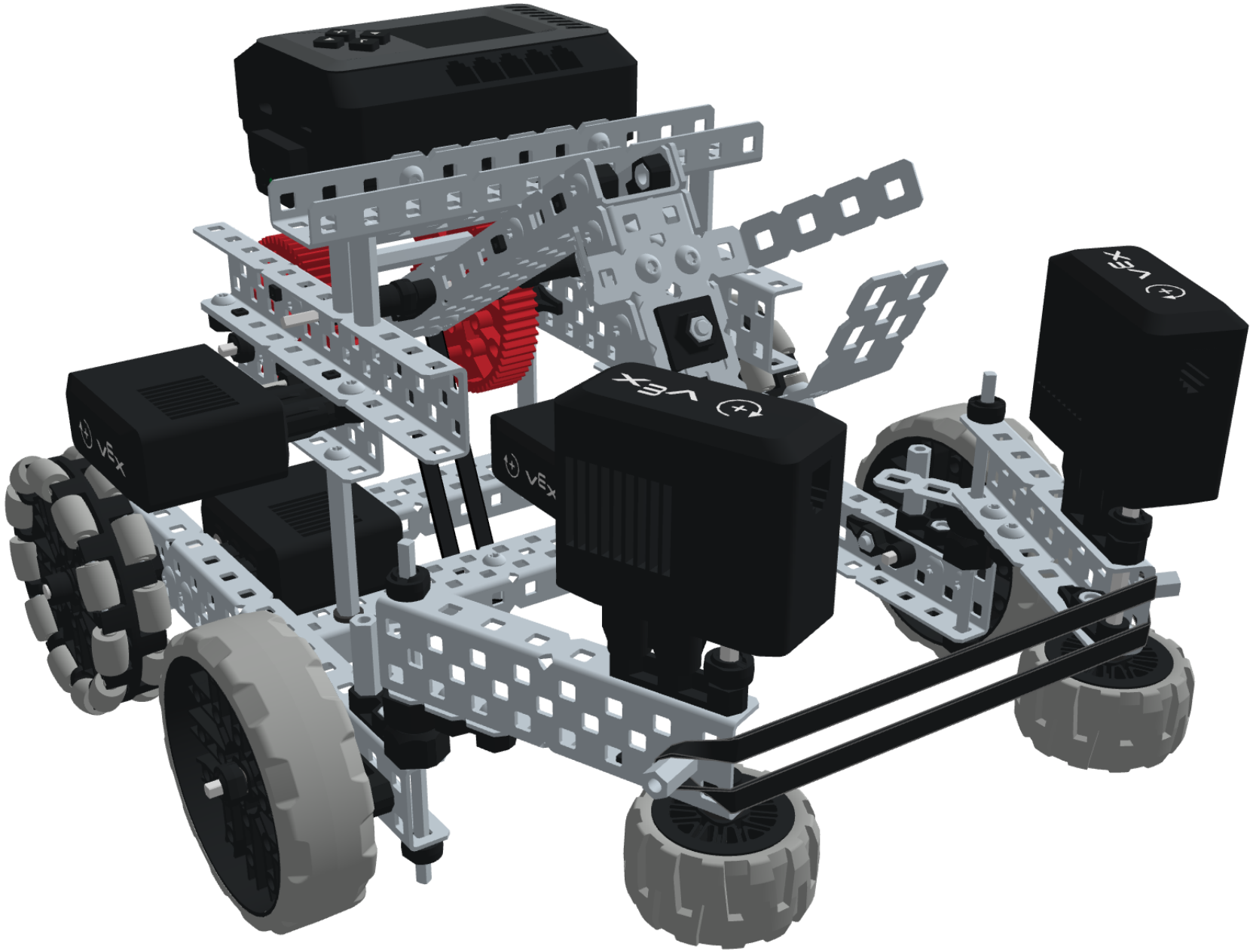


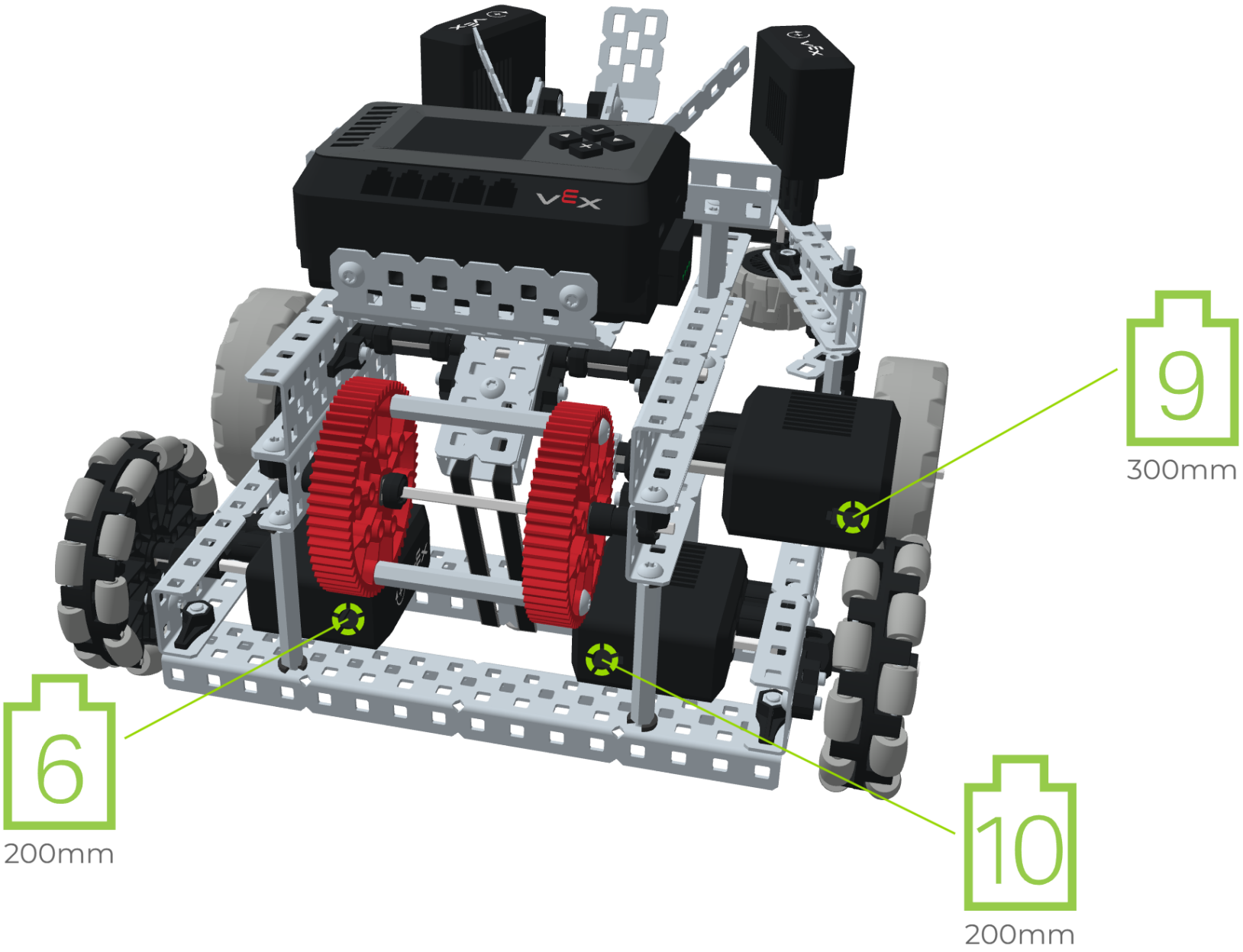


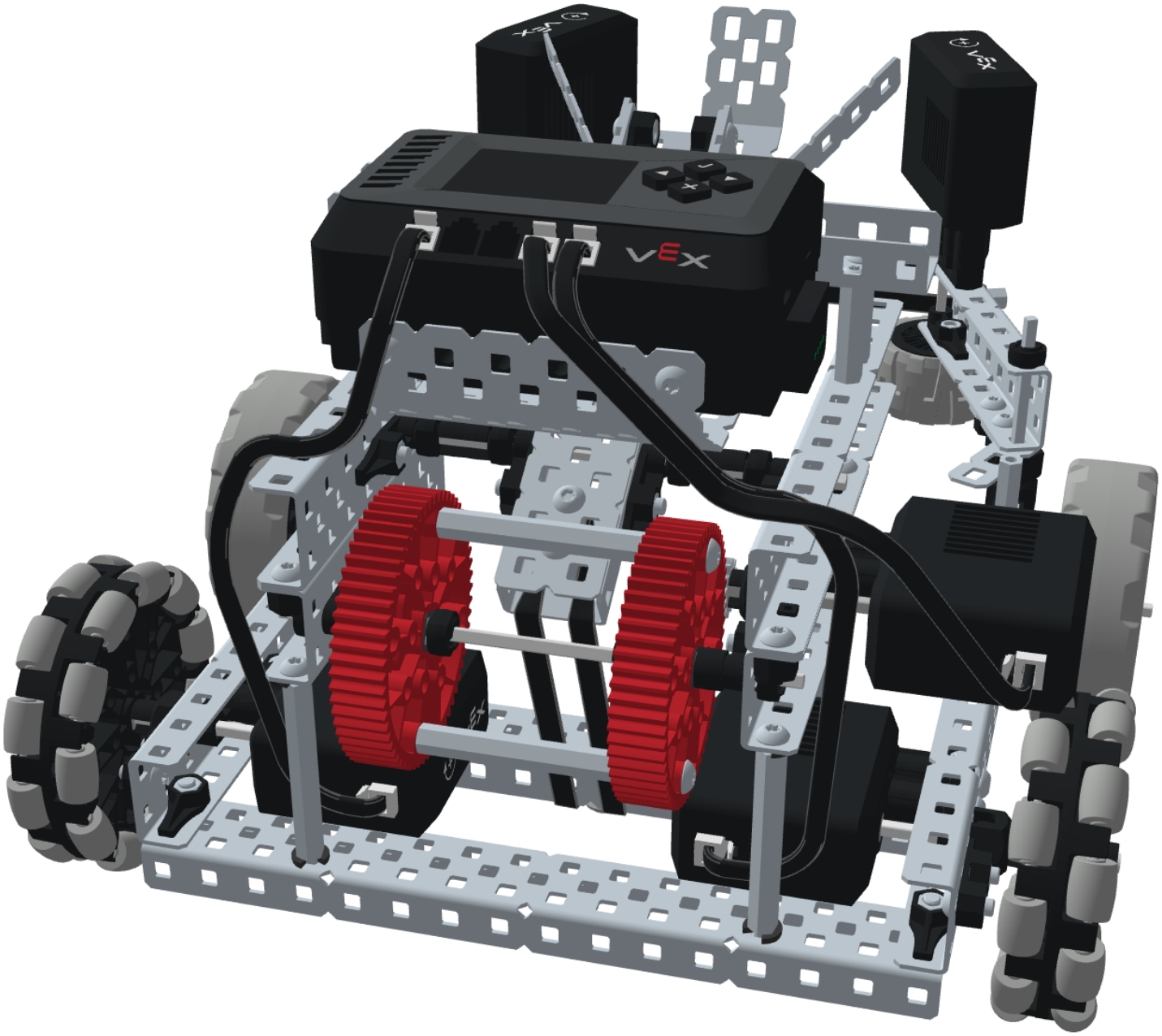


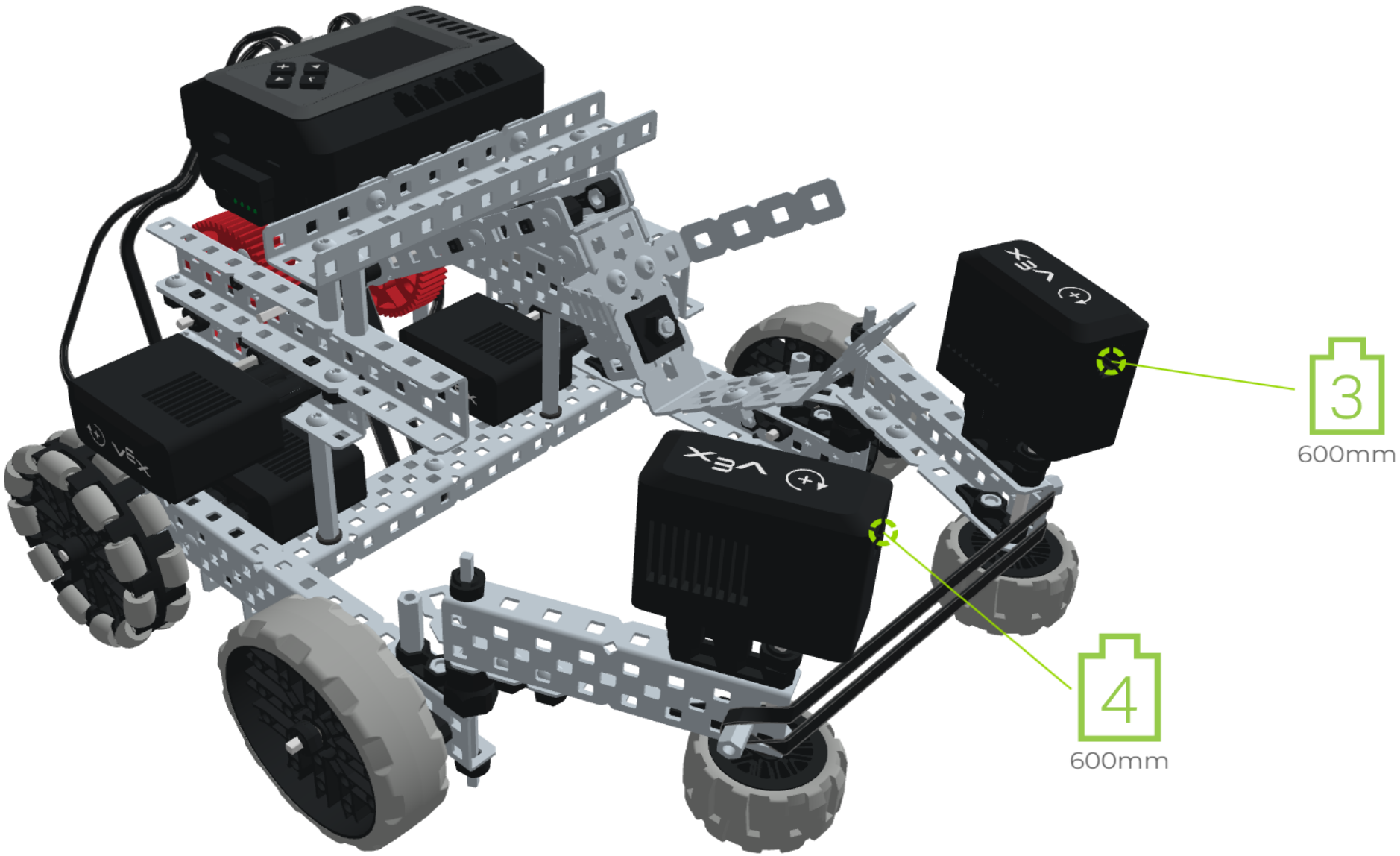

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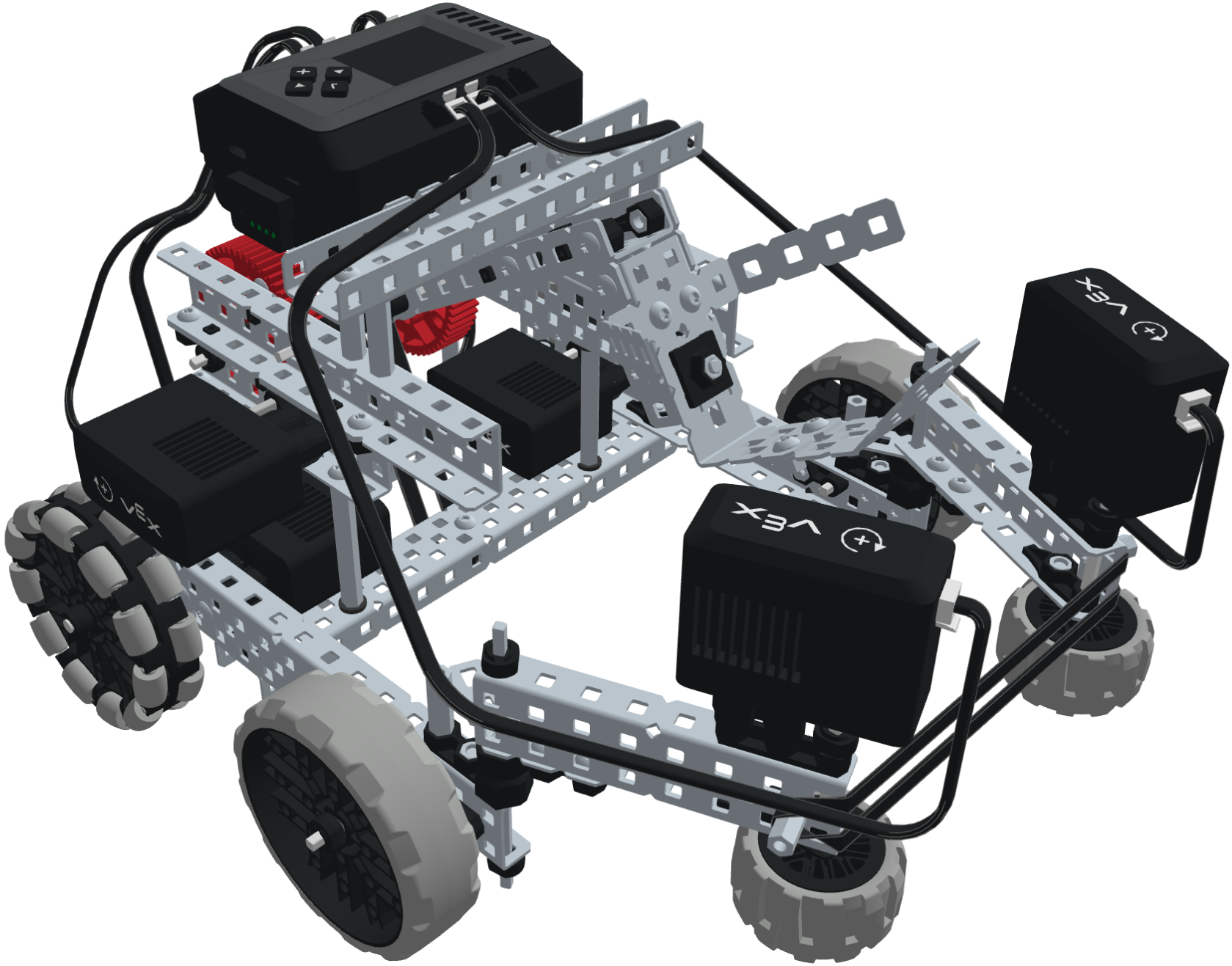



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300mm
6
200mm
10
200mm


VEX


3
600mm
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VEX


1
Home
Drive
2
Drive
Run
3
Drive
Controls
4
Controls
Split Arcade
5
Controls
4:Forward
6
Controls
4:Reverse