

Worm Screw Attachment

The two critical pieces are:

6L Worm Gear (73763)

2x2x1 2/3 Box w/ Worm Gear Hole (73764)

This attachment allow for high torque straight vertical lift.

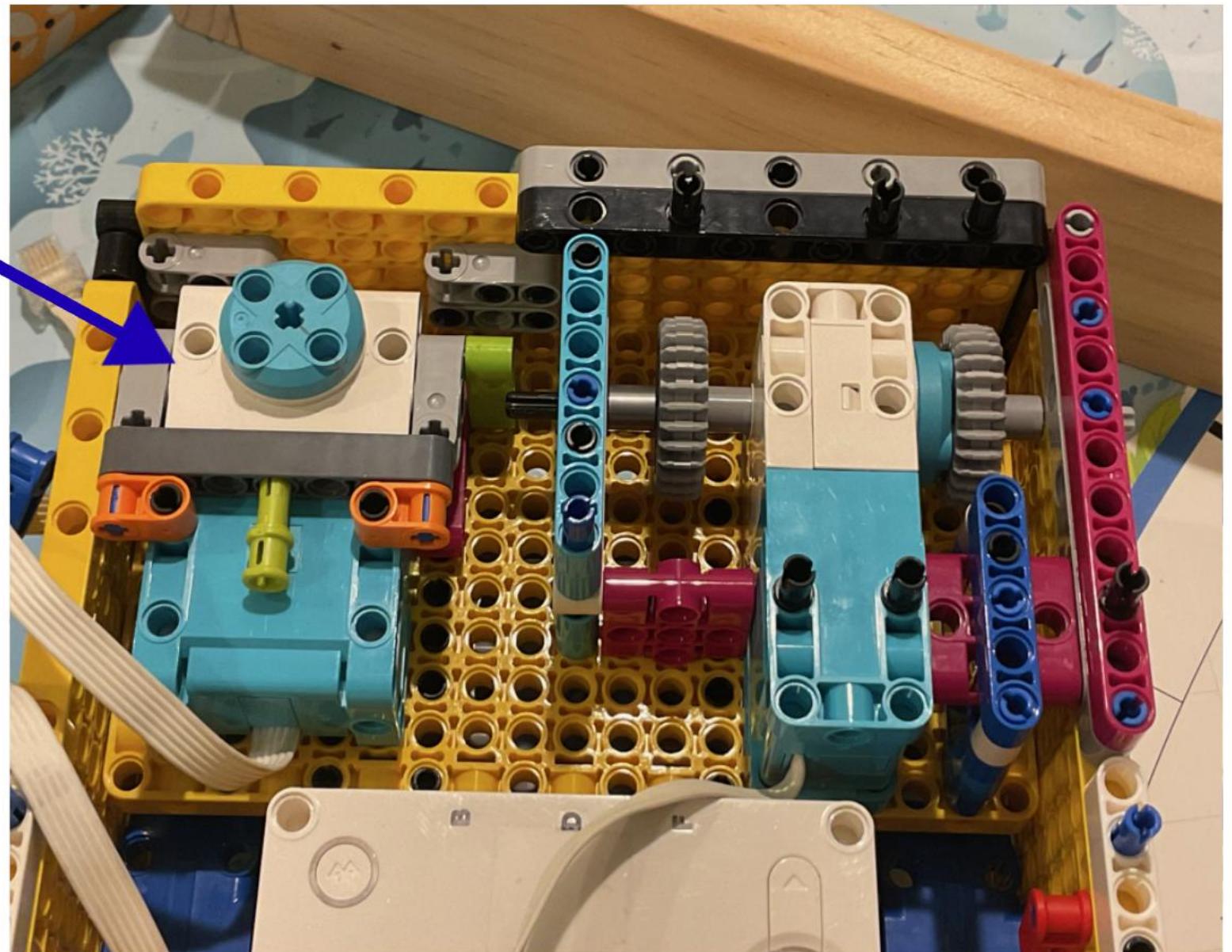
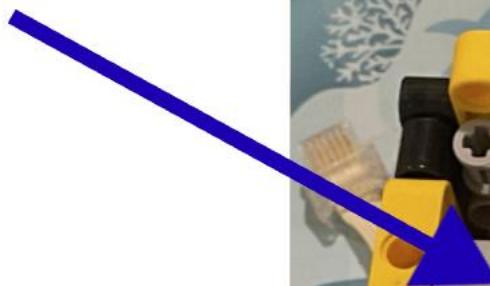
Version 1.0

24 Dec 2025

It was inspired by this YouTube video:

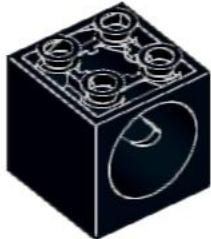
<https://www.youtube.com/watch?v=9KNSUKzYGi0>

The left motor is used for this attachment. It "docks" with the four cross-axle connectors.





27x
2780
Black



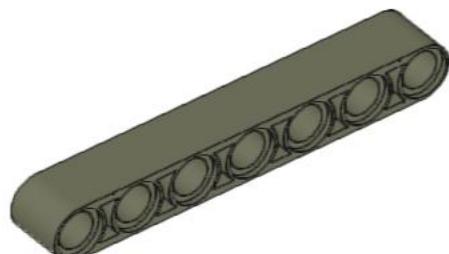
1x
73764
Black



1x
32073
Black



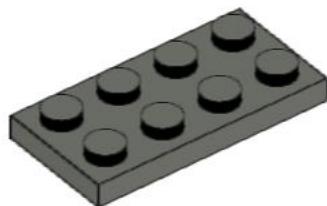
1x
3706
Black



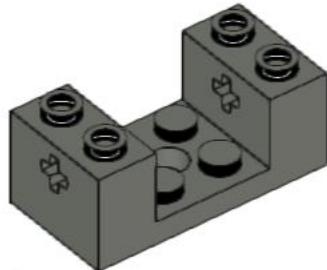
1x
32524
Dark Gray



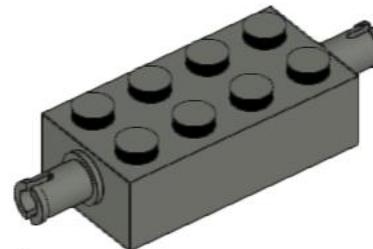
4x
3023
Dark Bluish Gray



1x
3020
Dark Bluish Gray



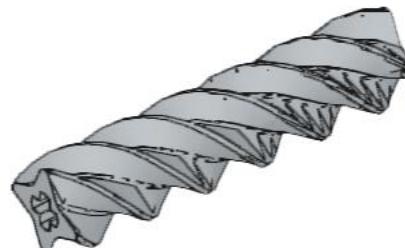
1x
67446
Dark Bluish Gray



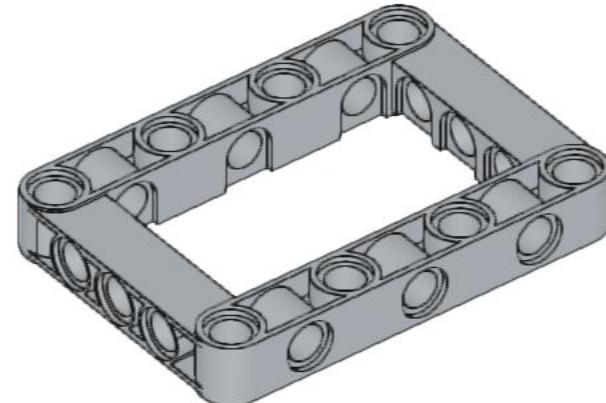
2x
6249
Dark Bluish Gray



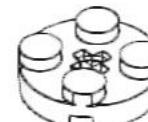
2x
3749
Light Bluish Gray



4x
73763
Light Bluish Gray



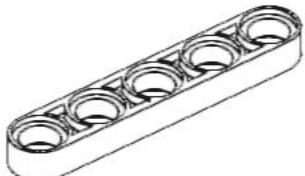
3x
64179
Light Bluish Gray



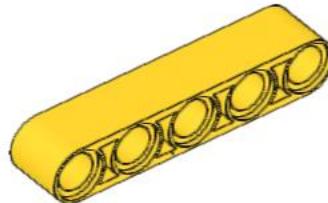
4x
4032
White



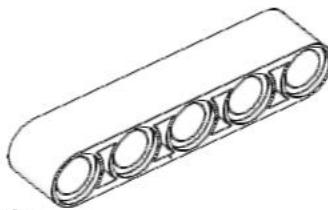
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32523
White



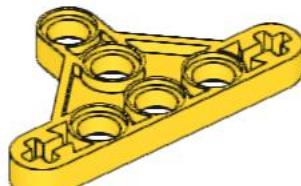
2x
32017
White



1x
32316
Yellow



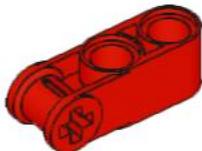
6x
32316
White



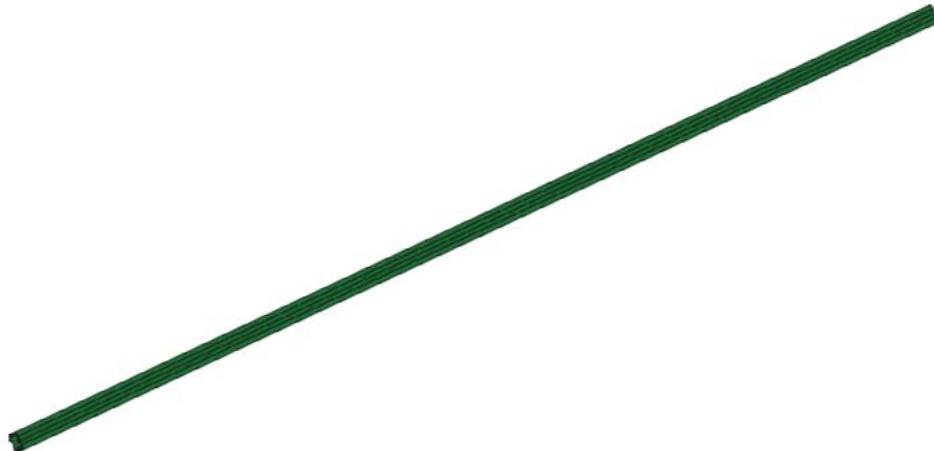
8x
99773
Yellow



3x
32062
Red



4x
42003
Red



4x
50450
Green

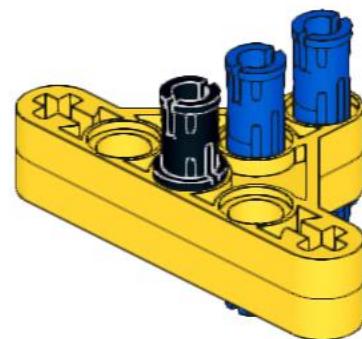
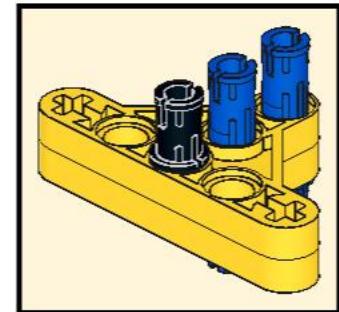
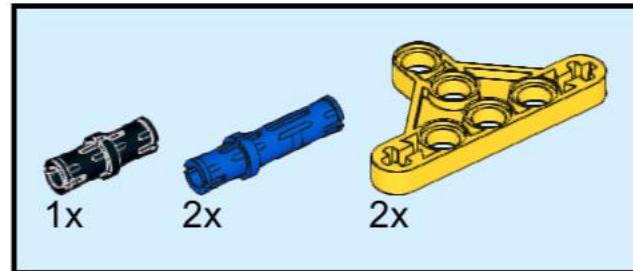


4x
43857
Blue

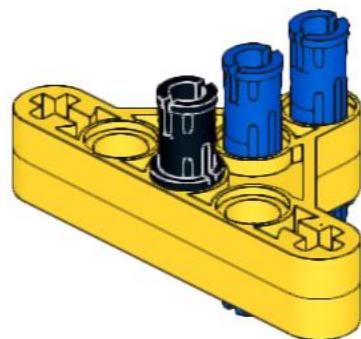
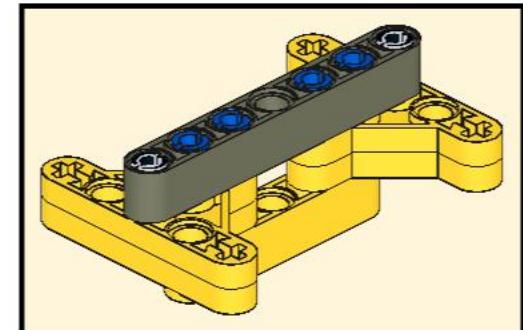


8x
6558
Blue

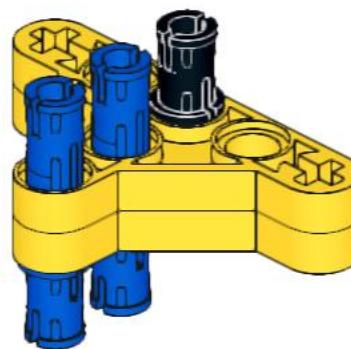
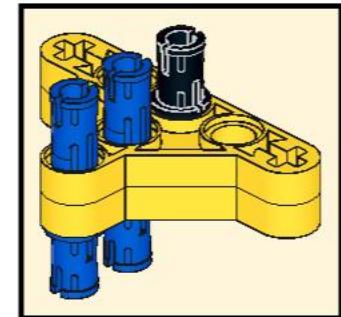
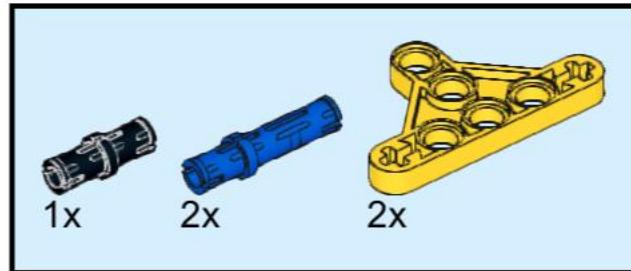
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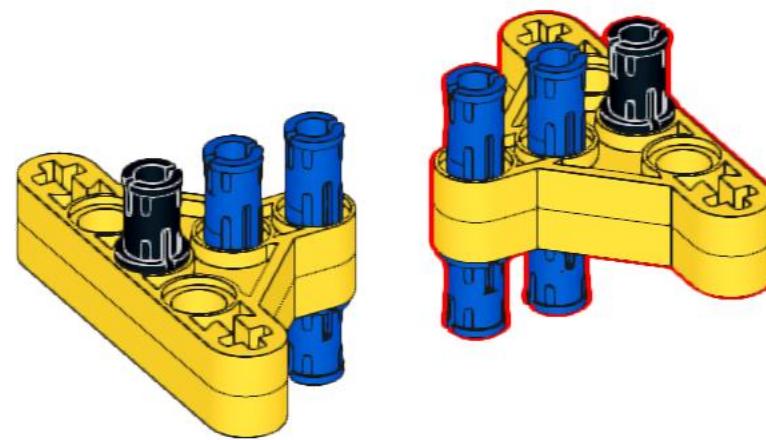
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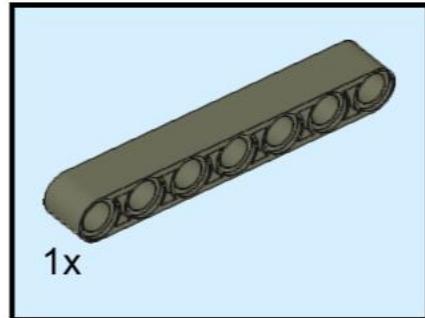
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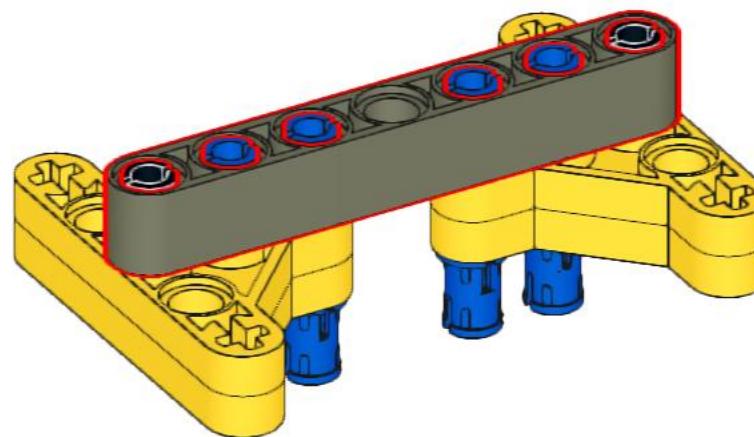
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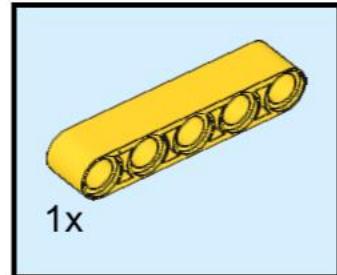
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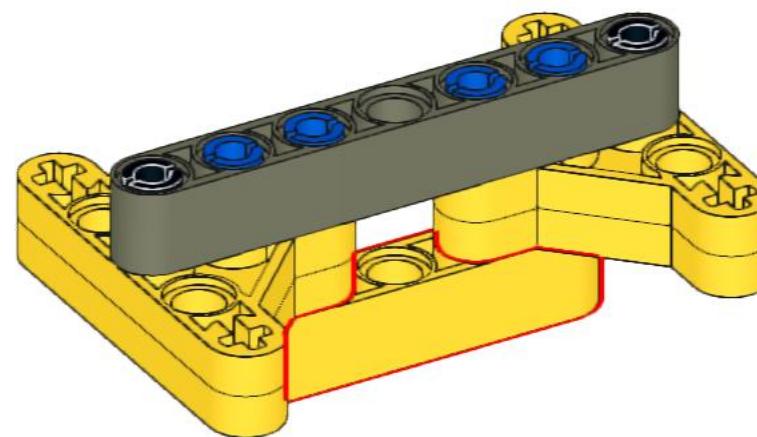
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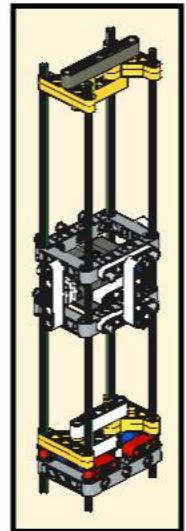
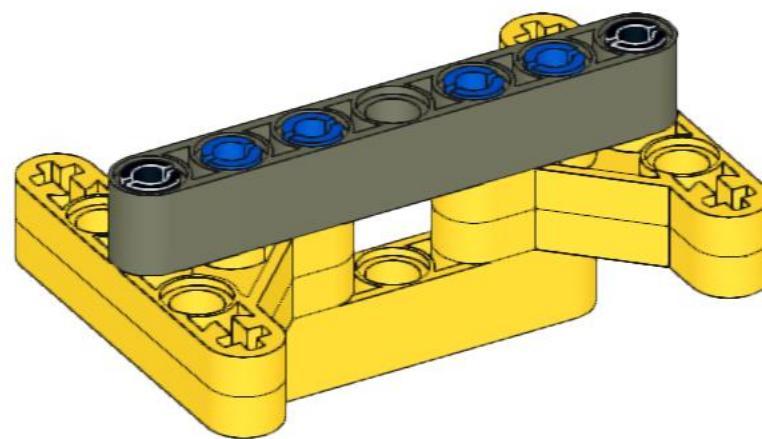
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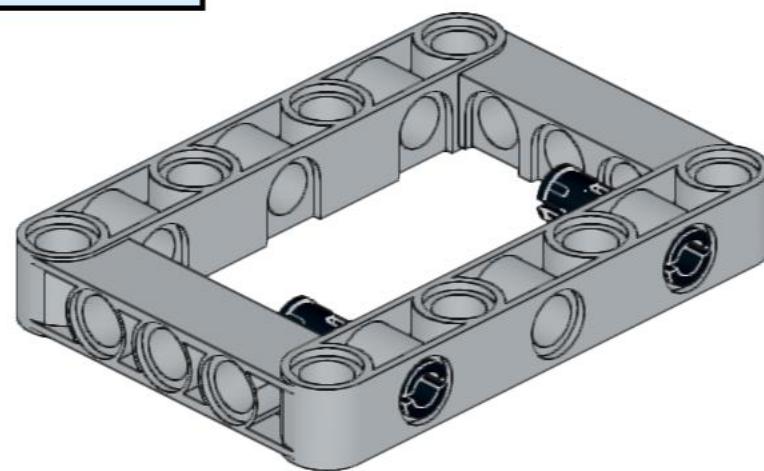
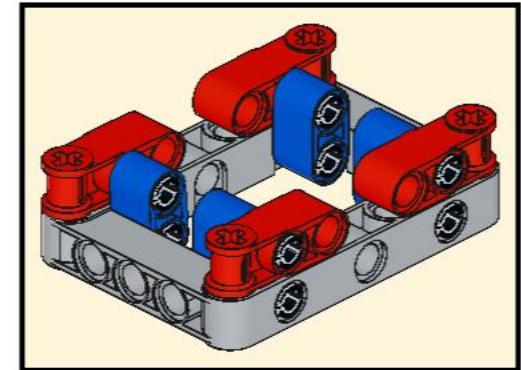
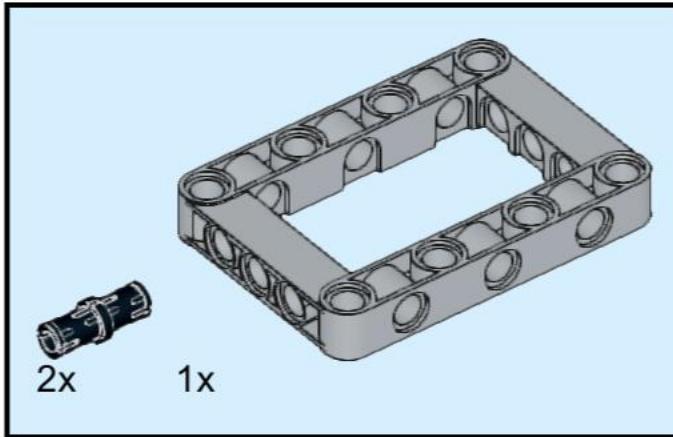
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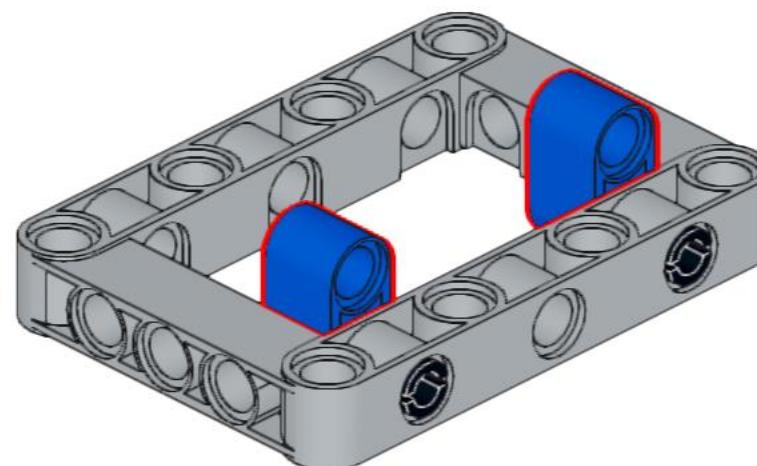
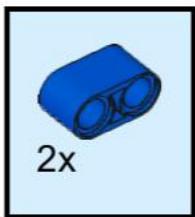
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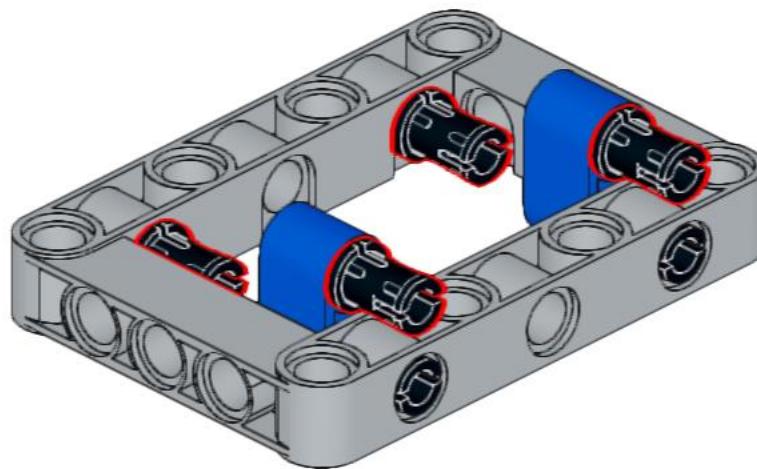
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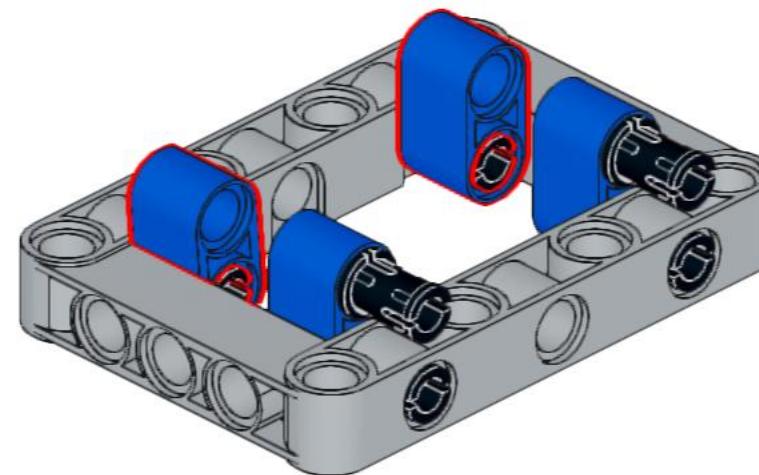
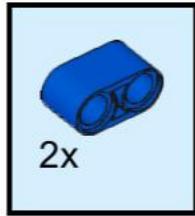
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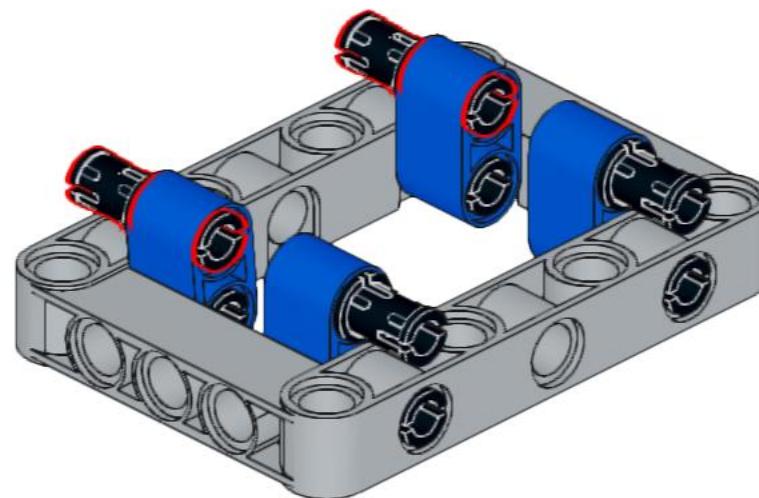
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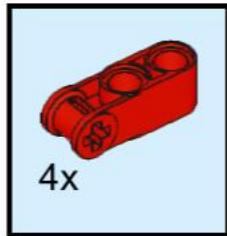
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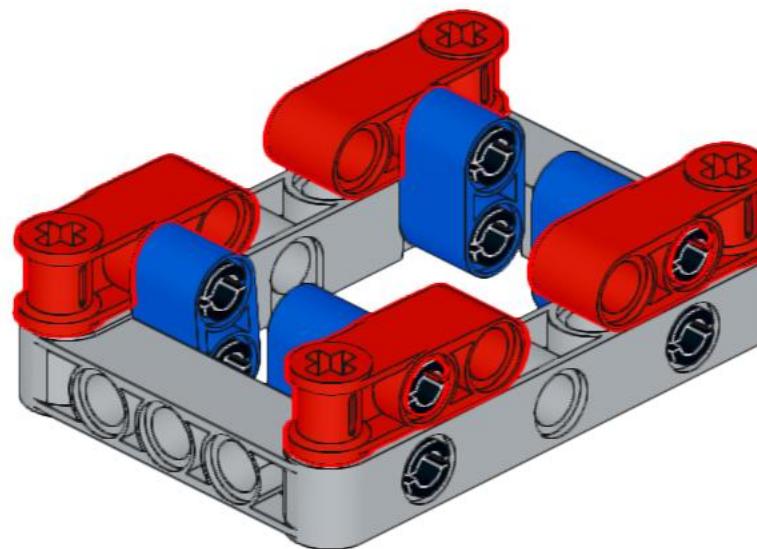
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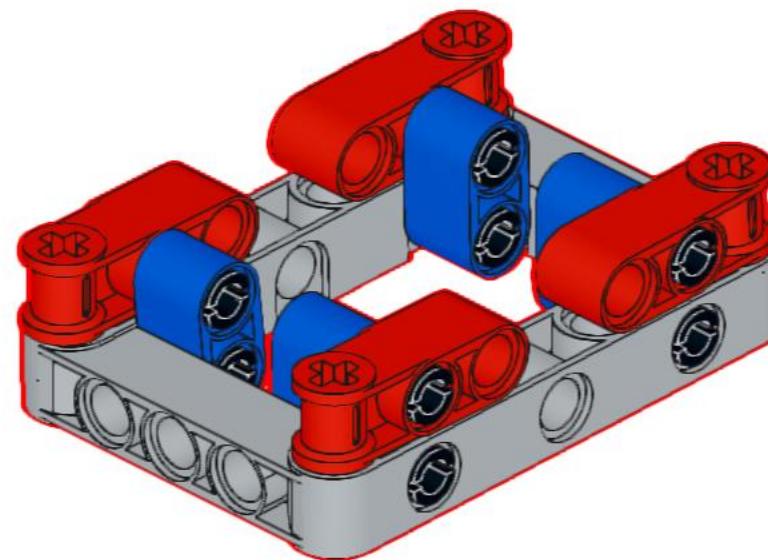
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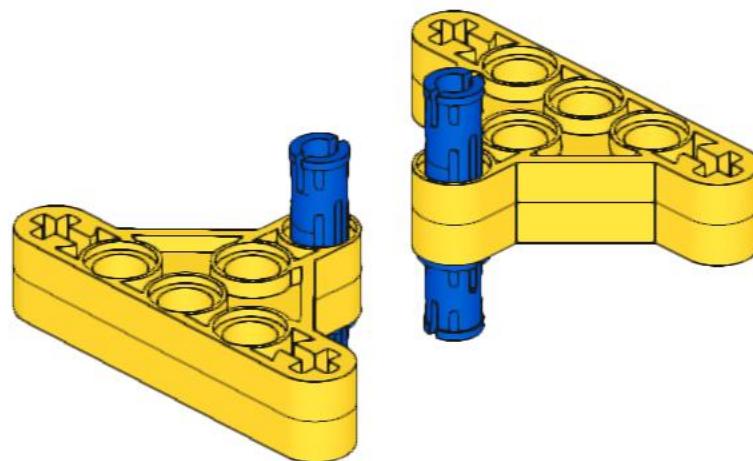
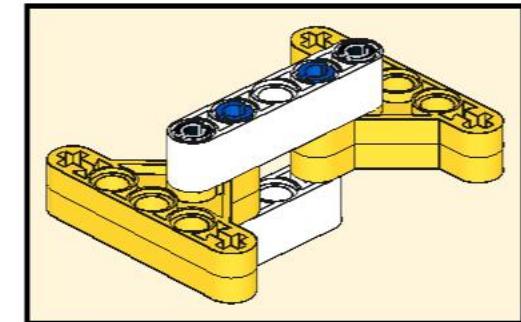
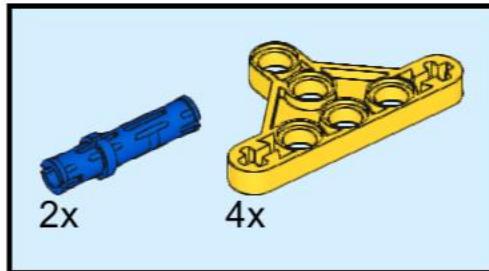
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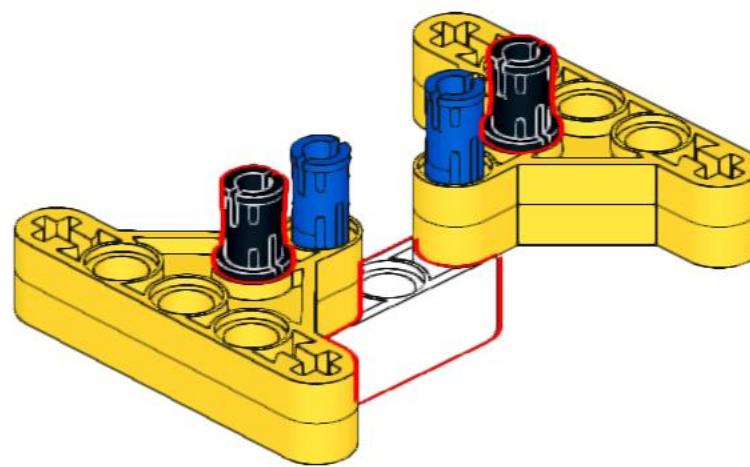
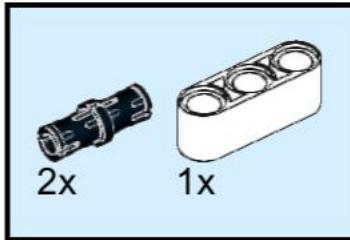
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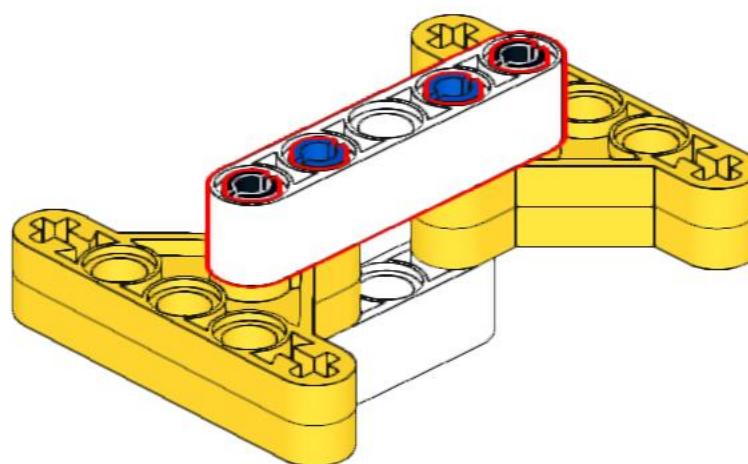
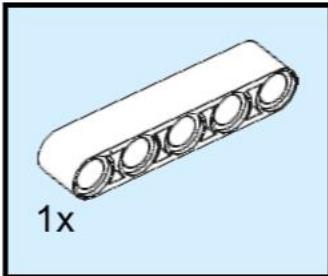
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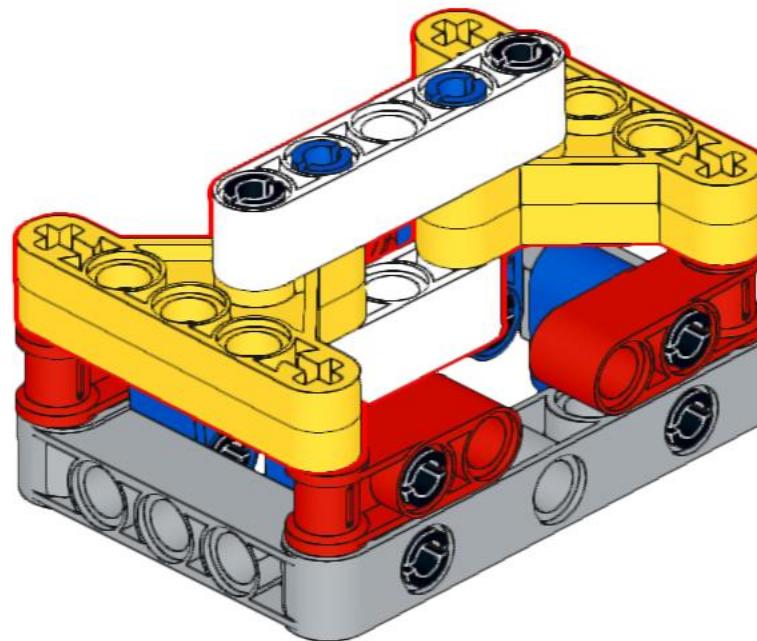
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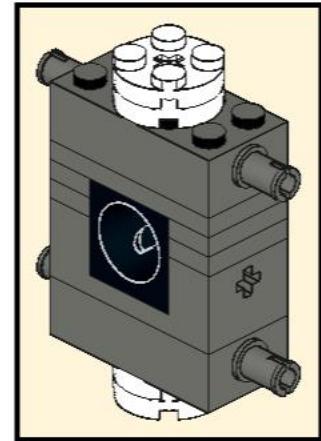
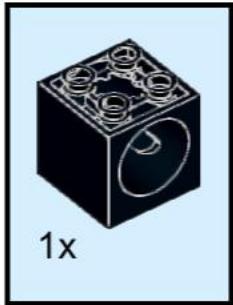
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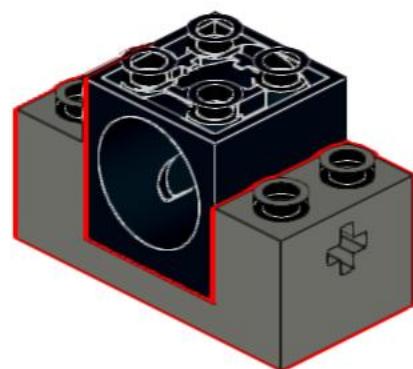
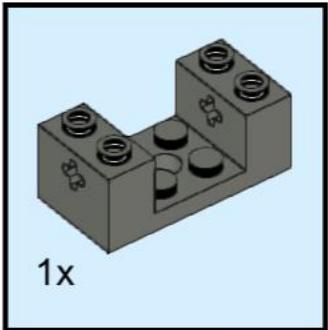
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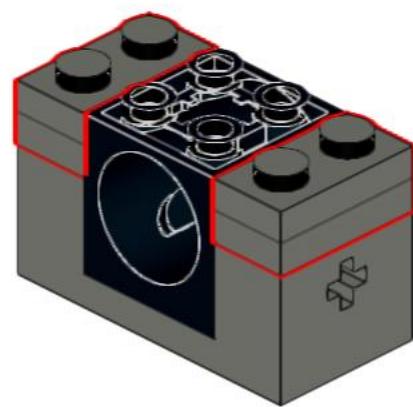
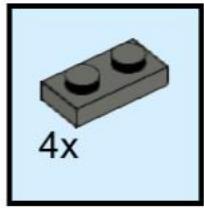
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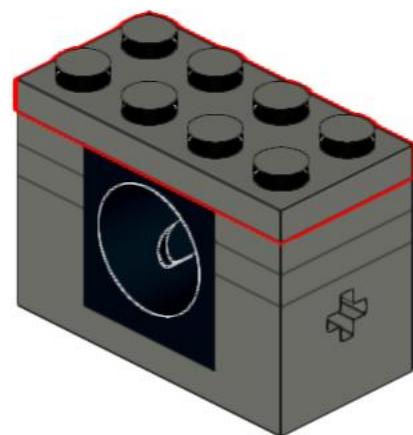
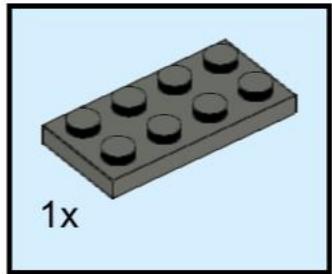
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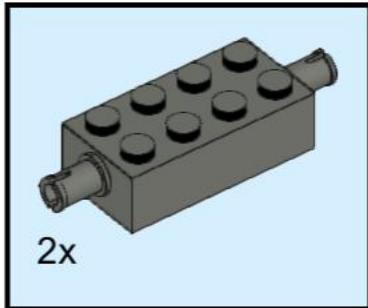
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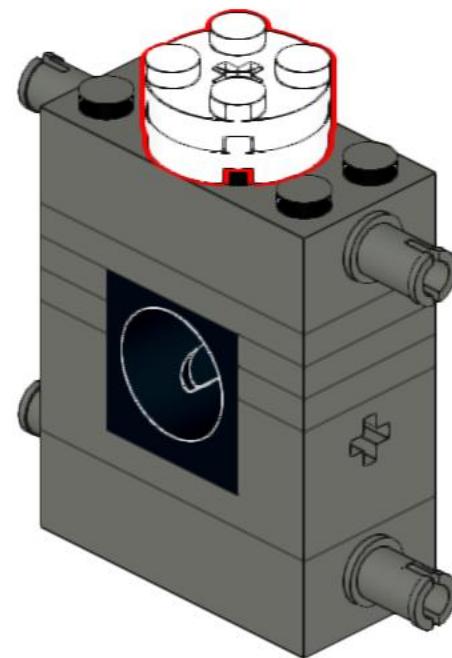
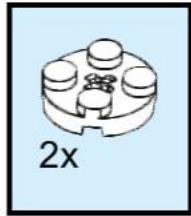
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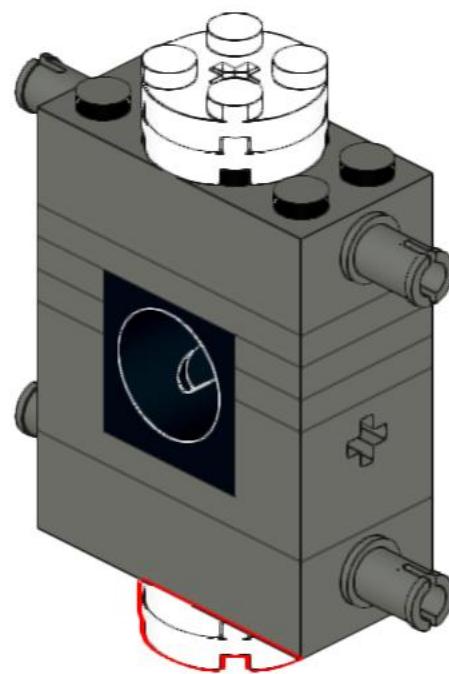
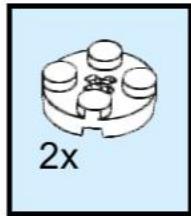
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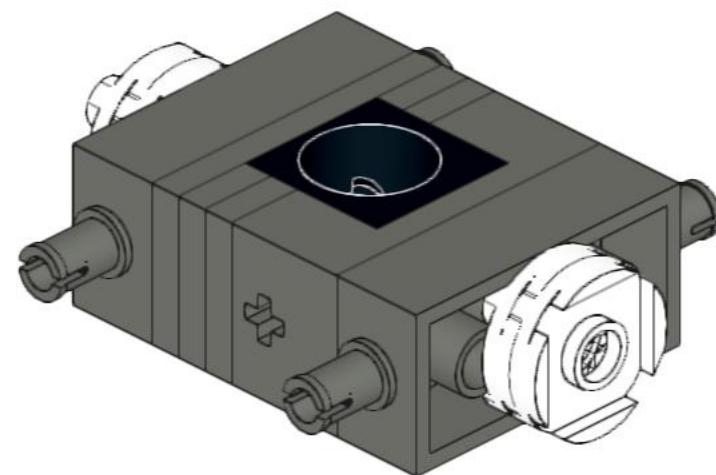
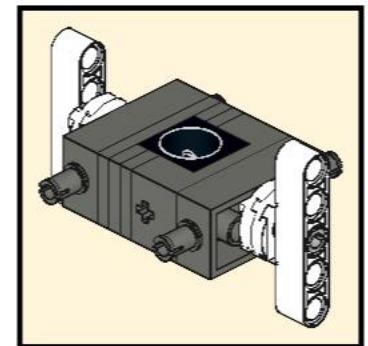
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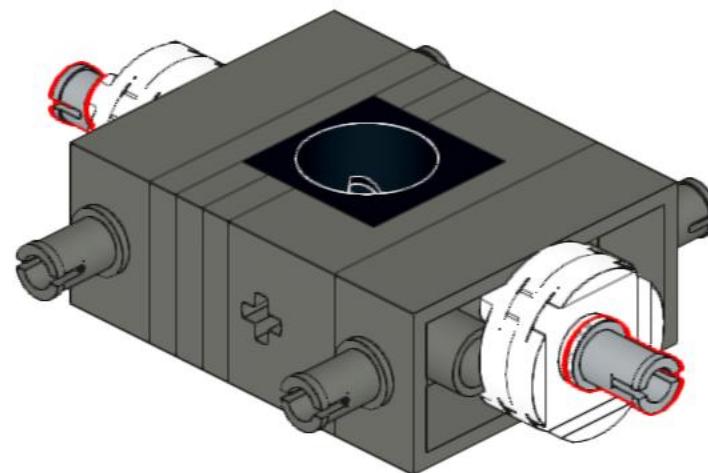
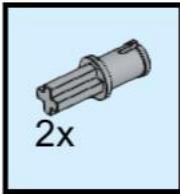
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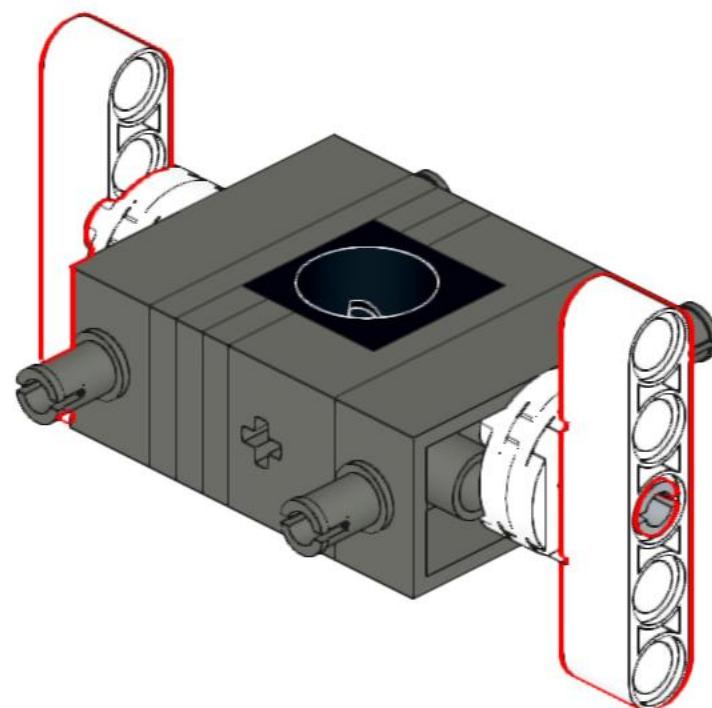
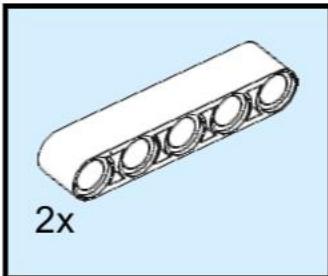
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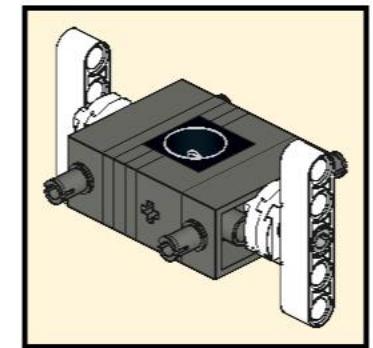
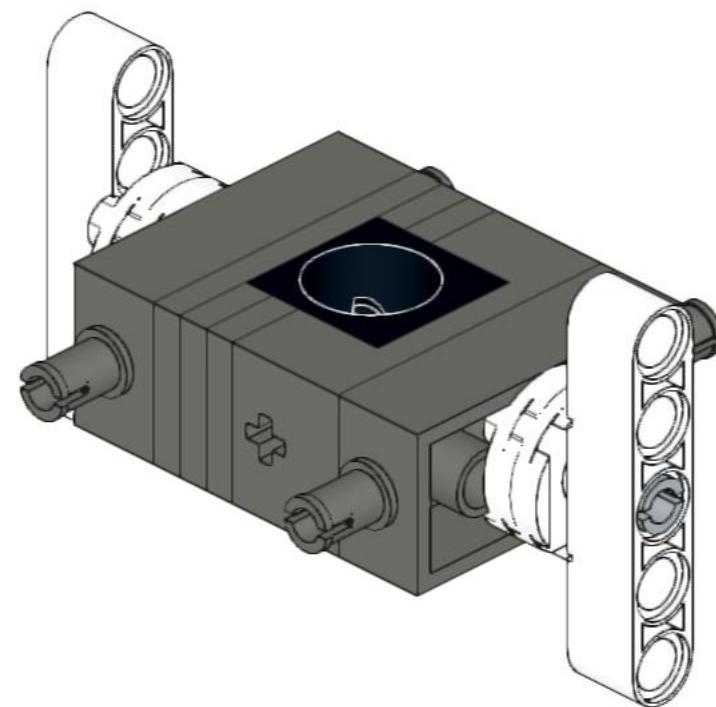
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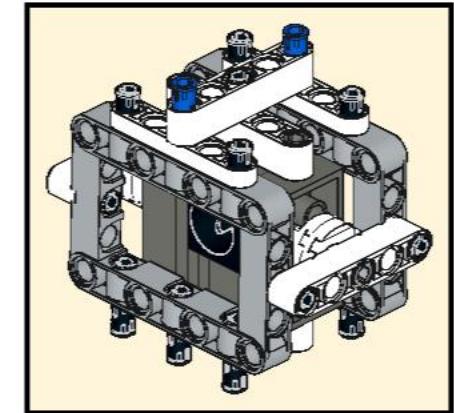
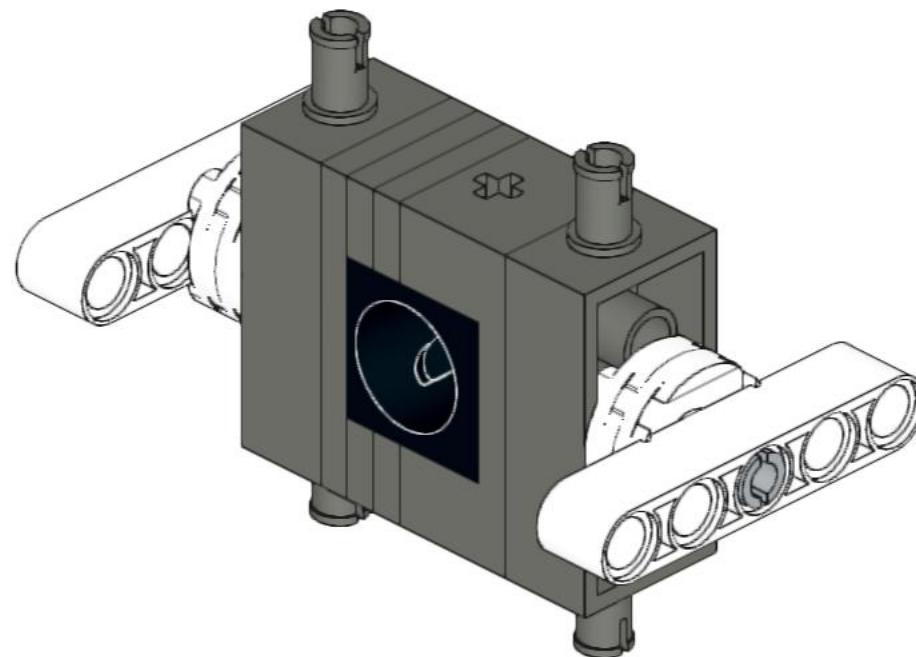
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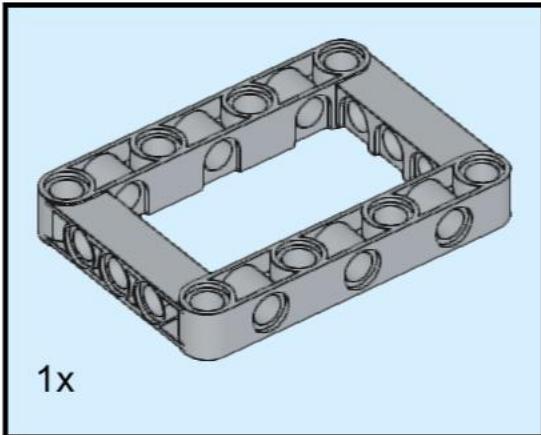
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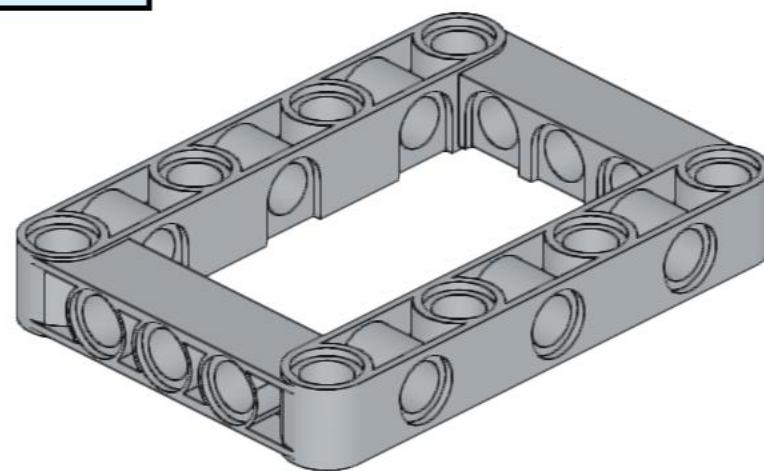
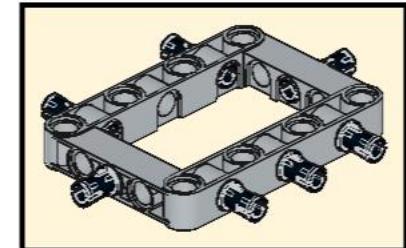
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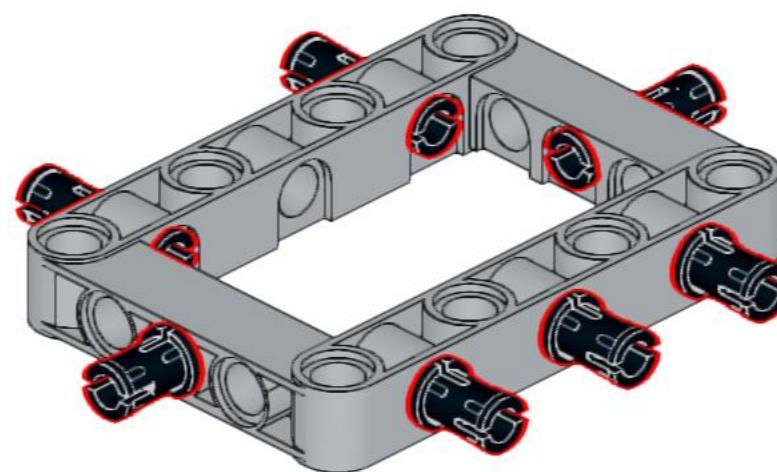
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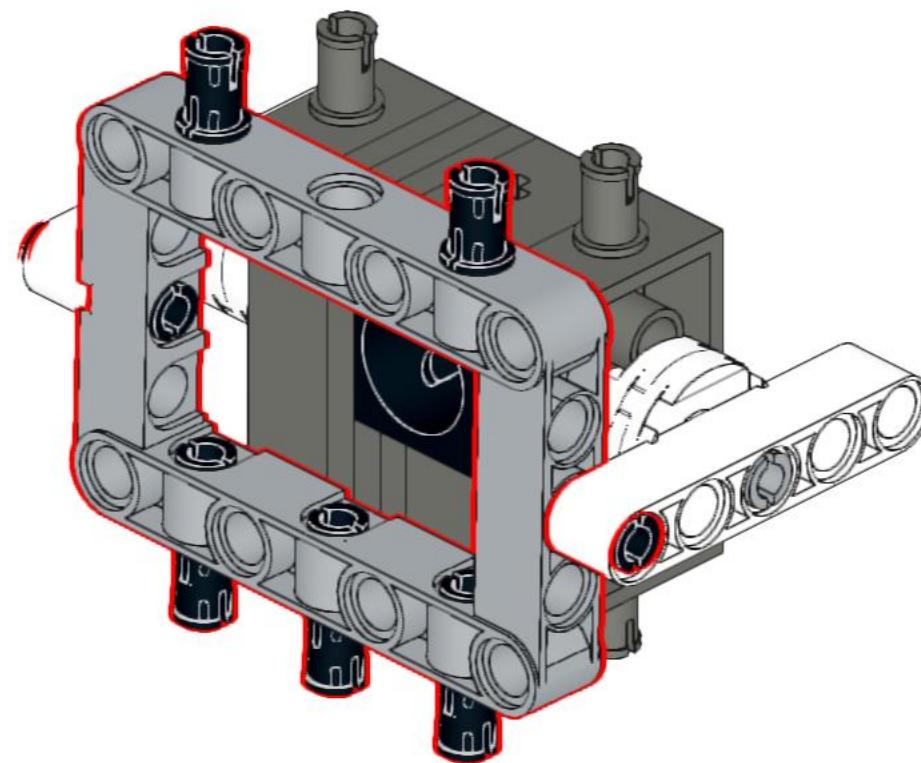
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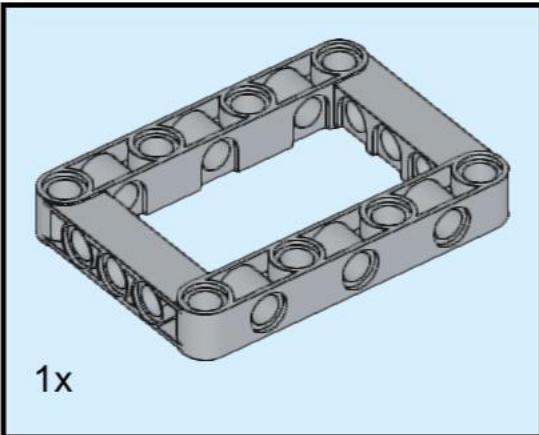
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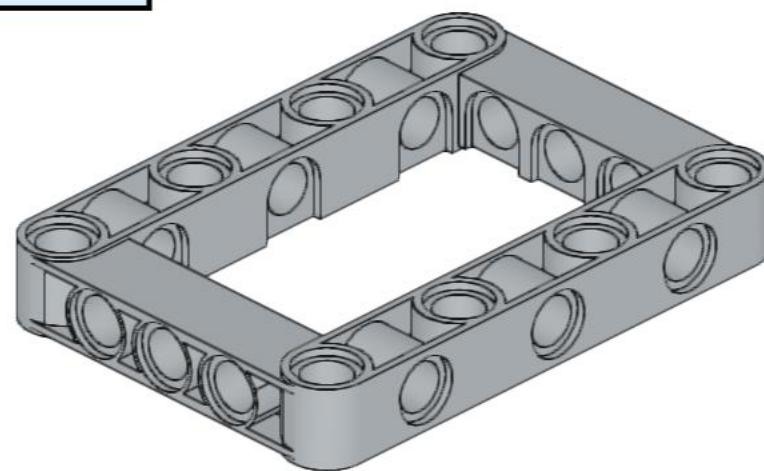
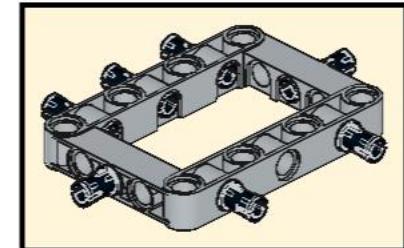
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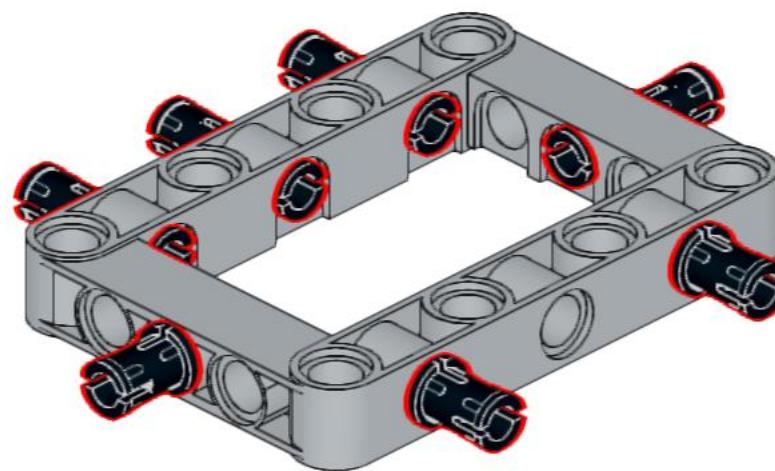
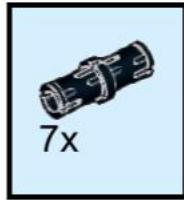
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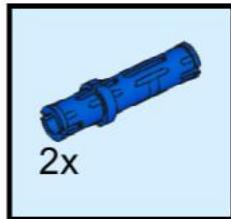
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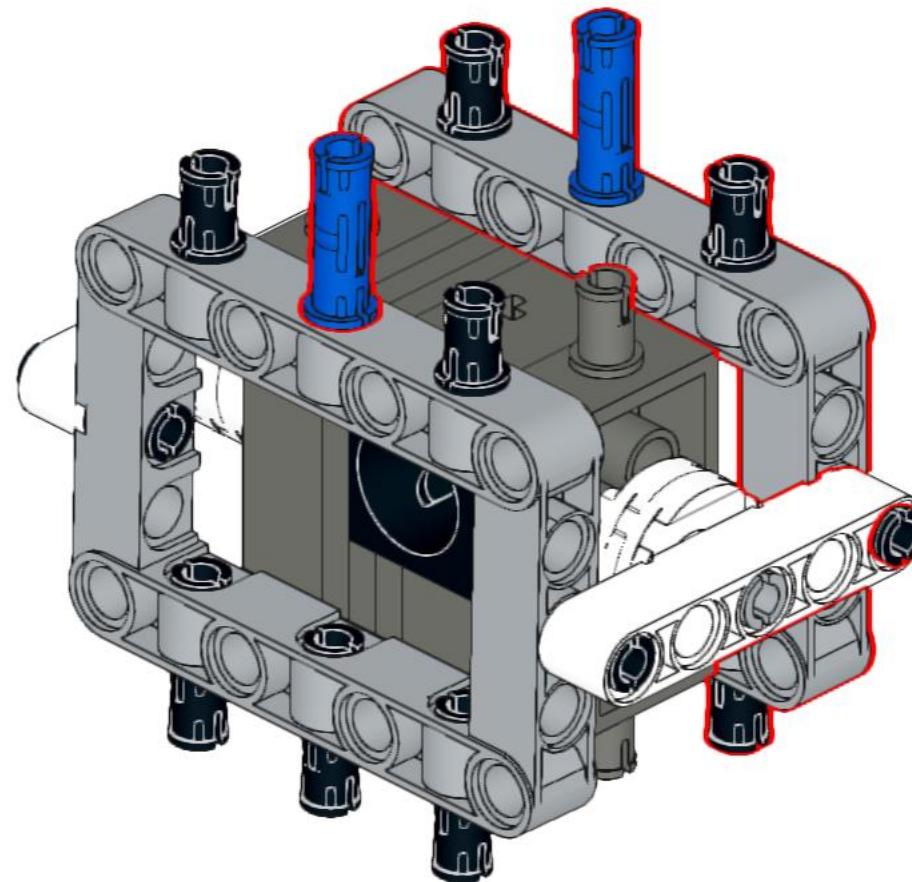
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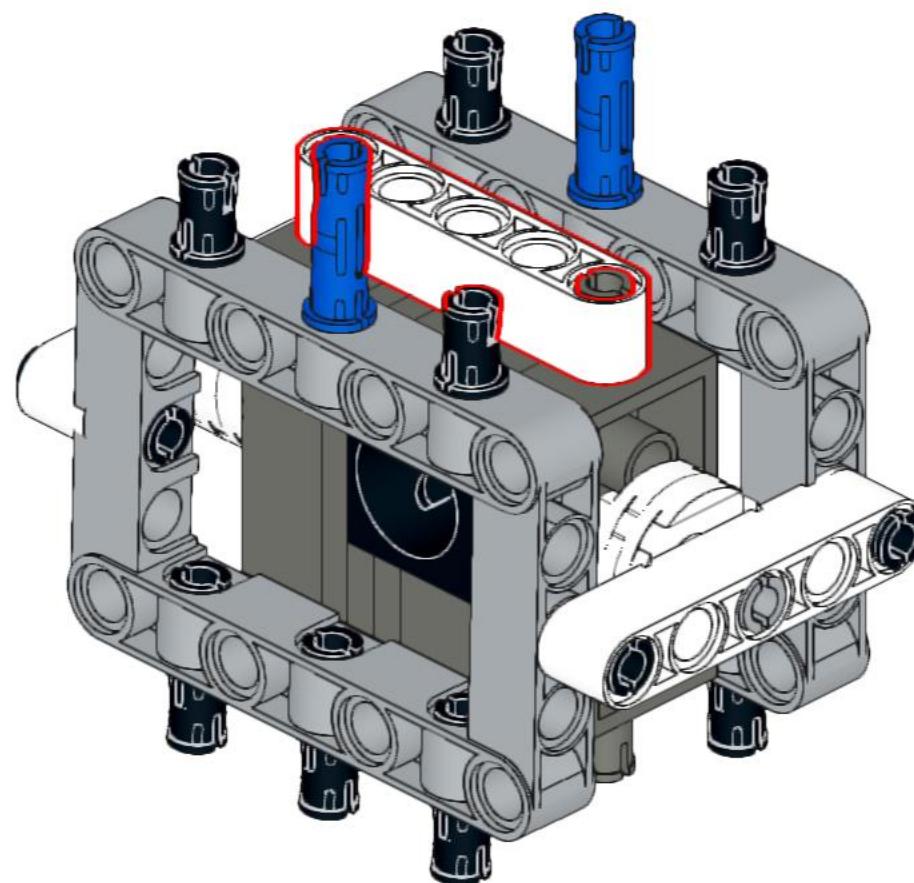
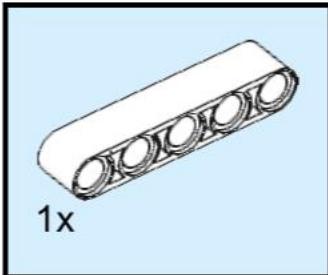
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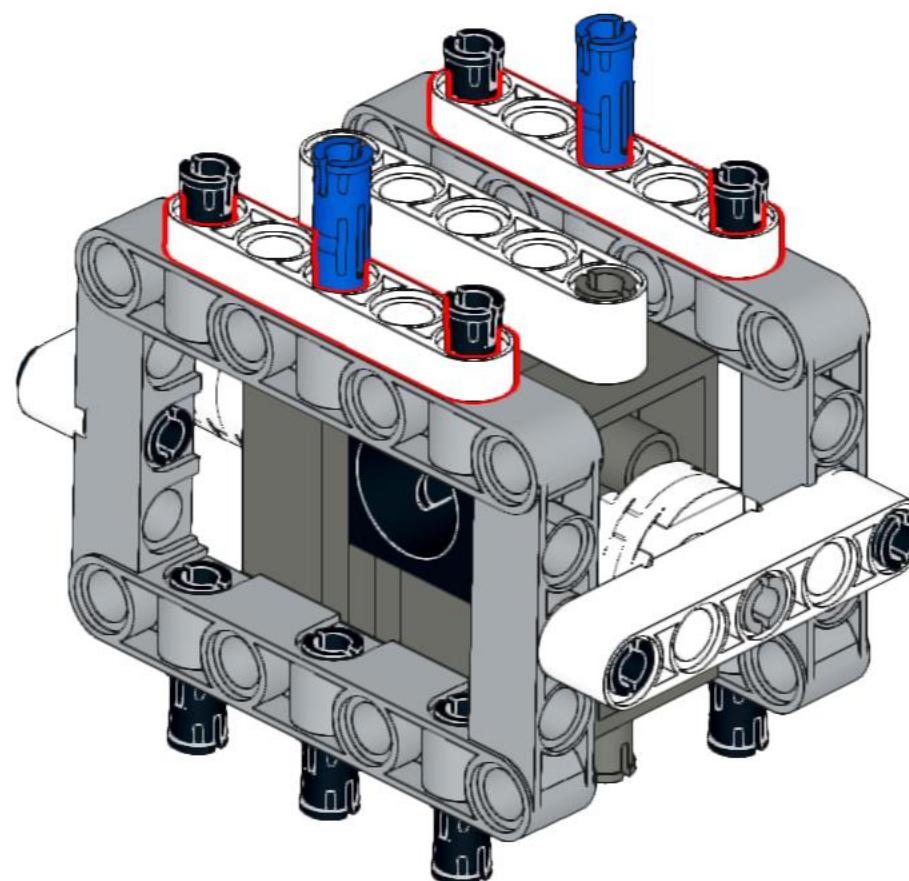
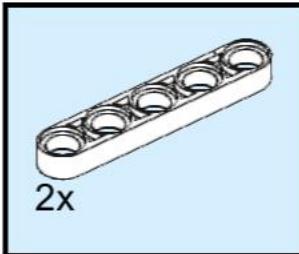
2x



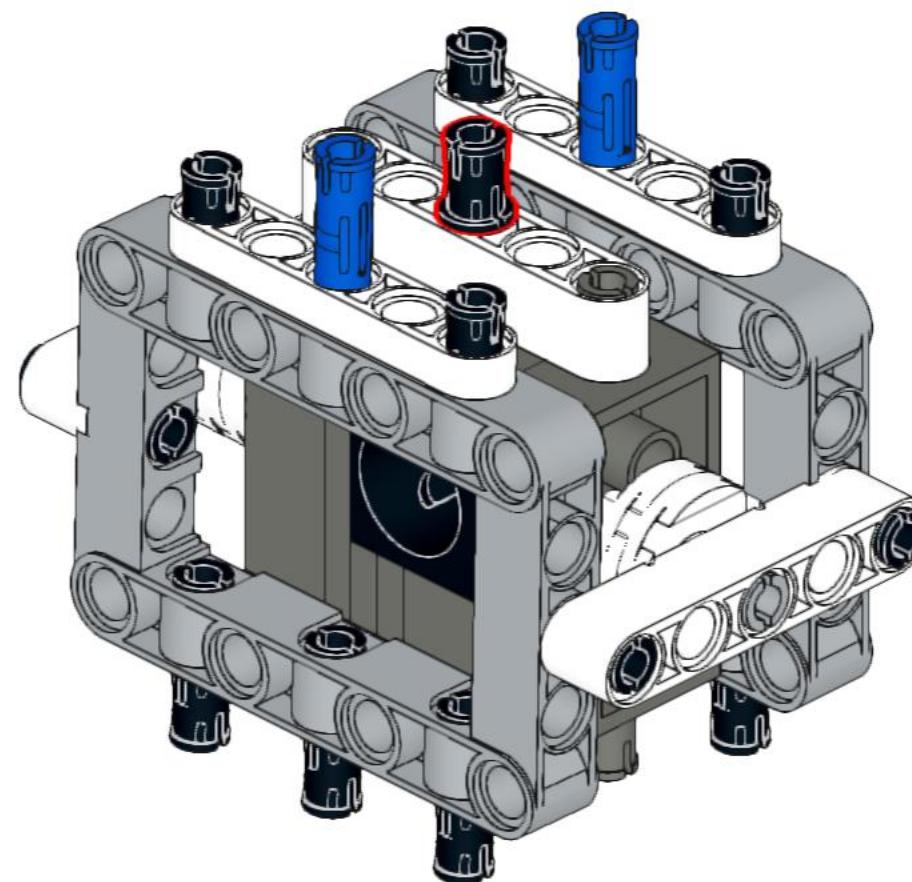
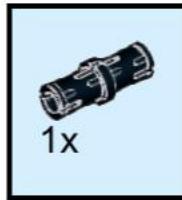
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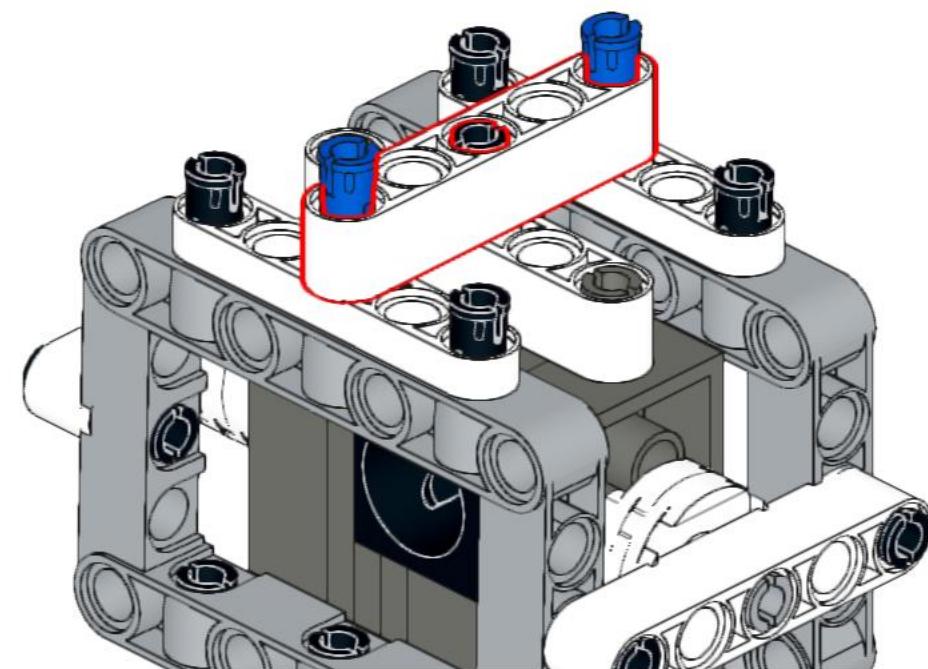
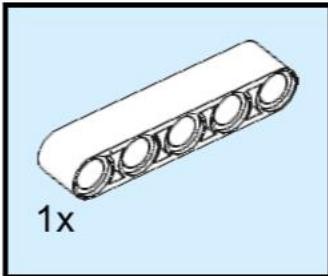
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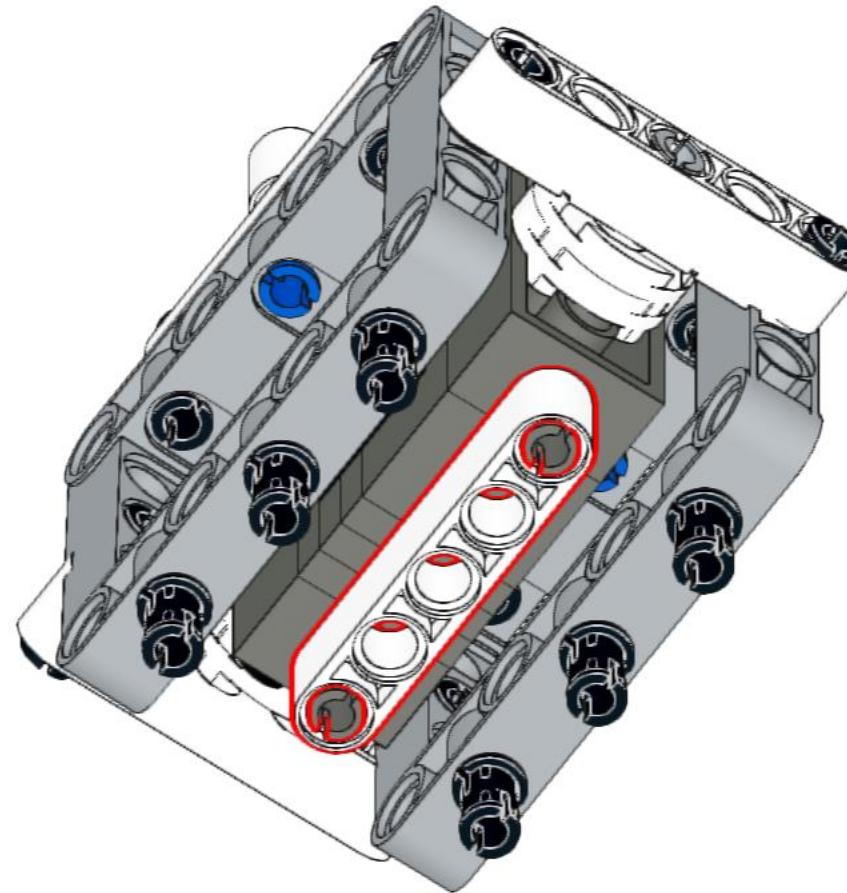
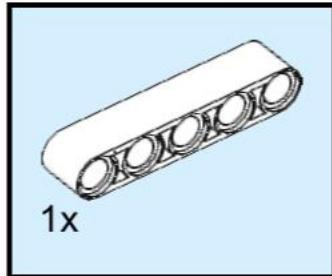
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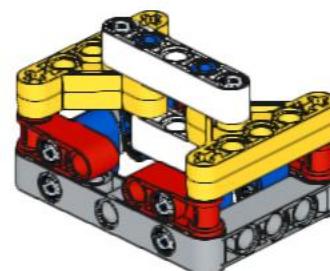
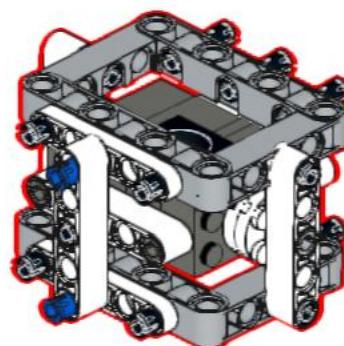
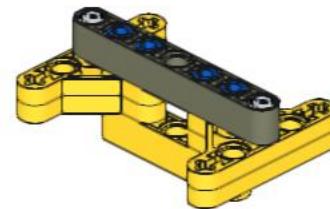
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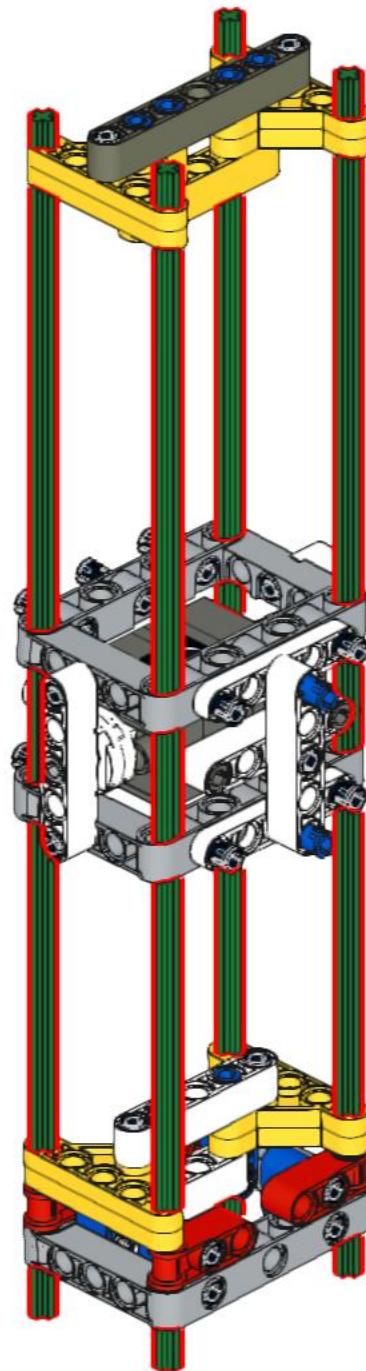
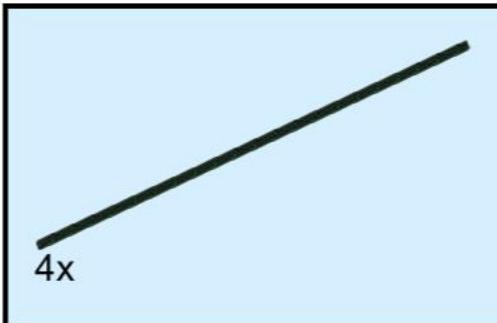
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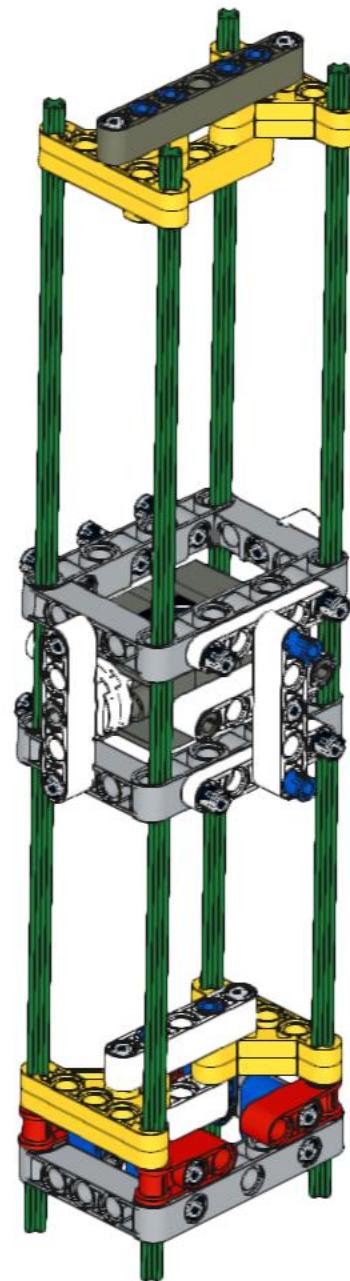
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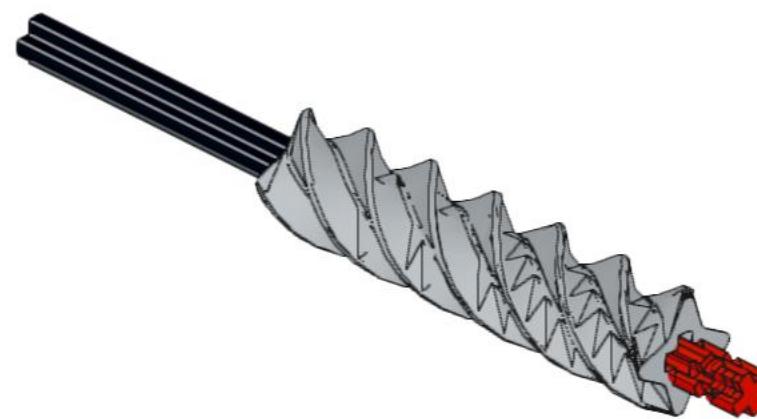
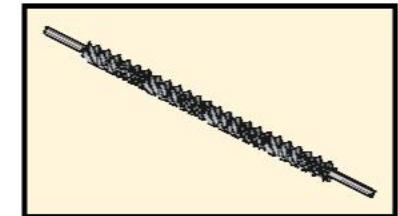
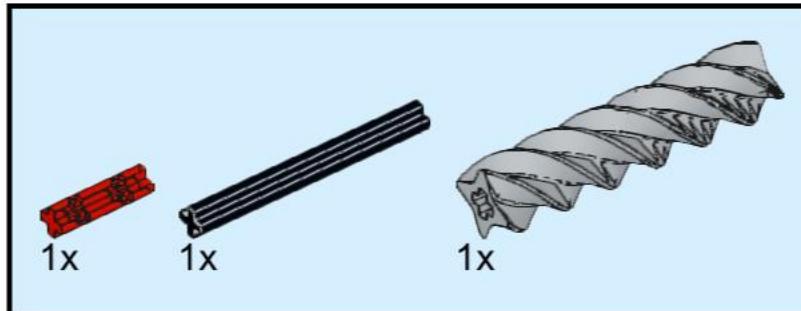
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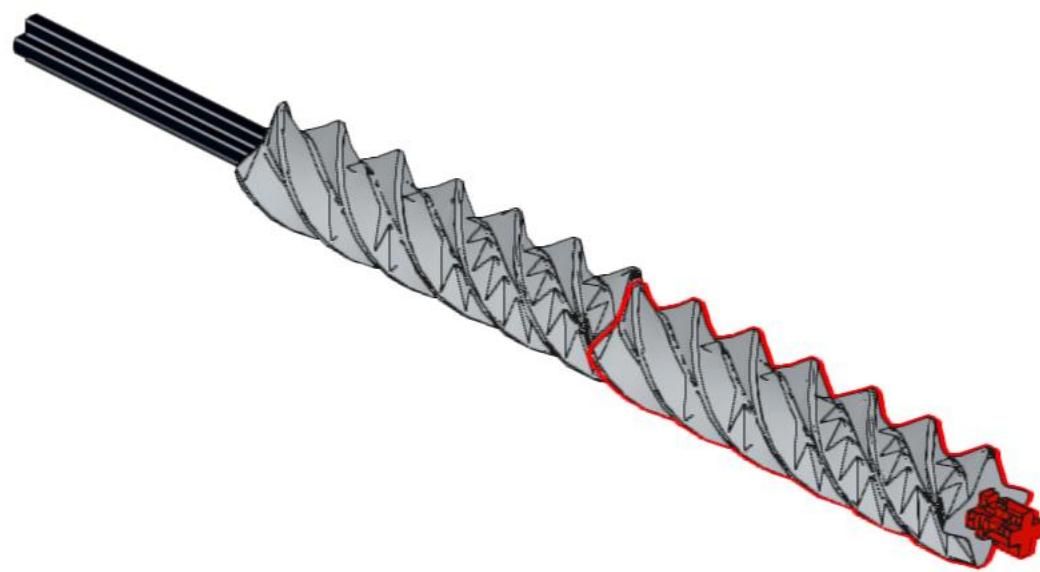
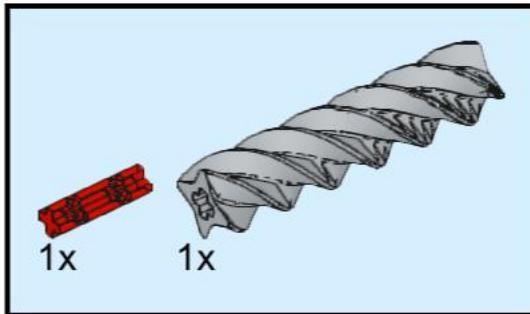
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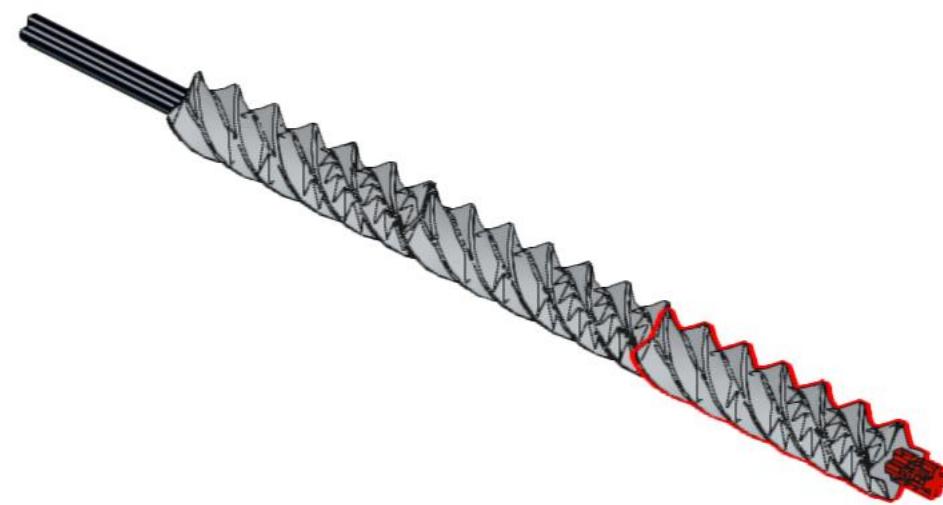
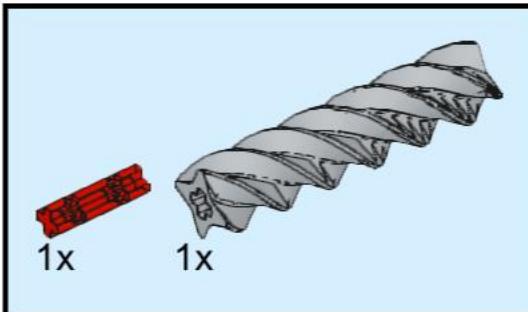
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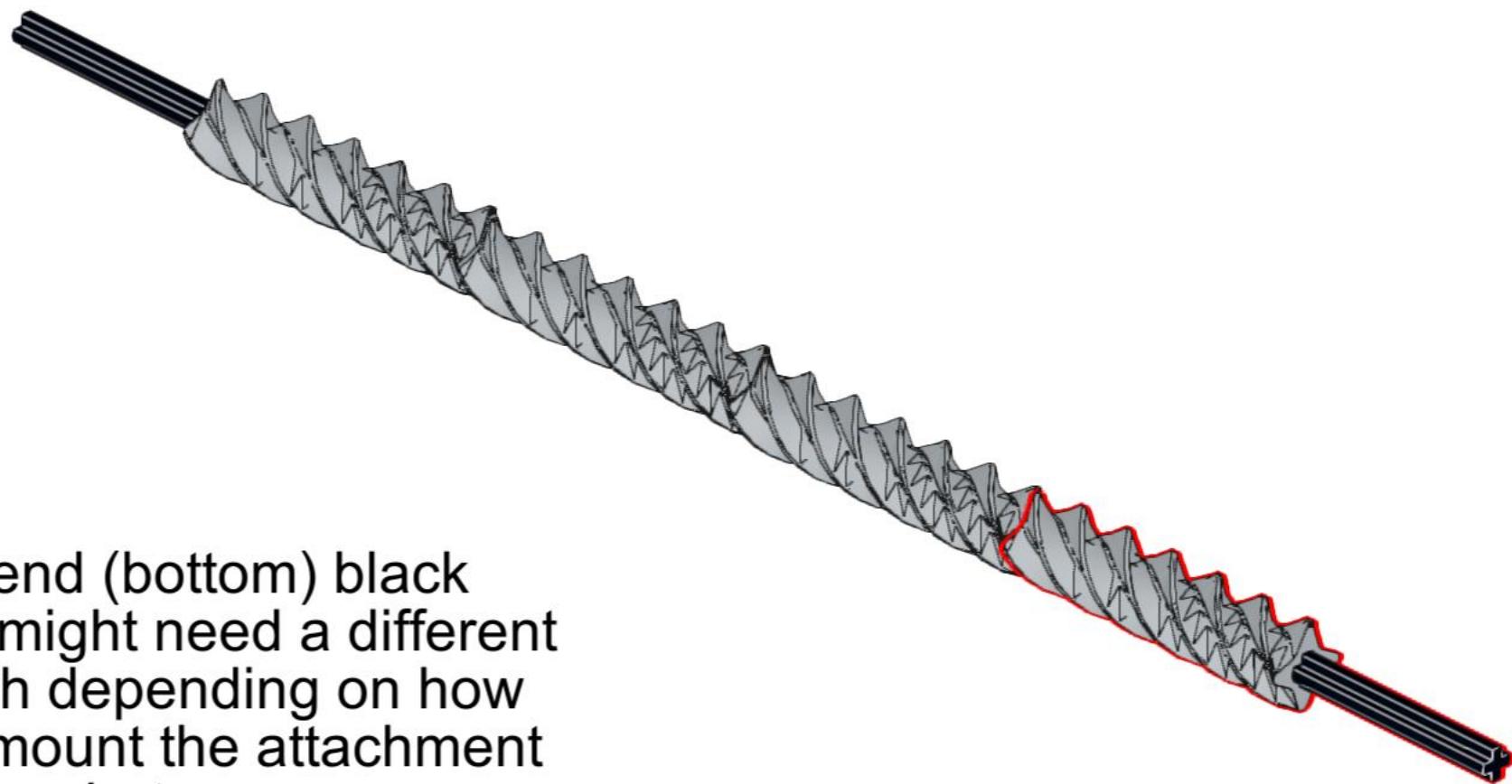
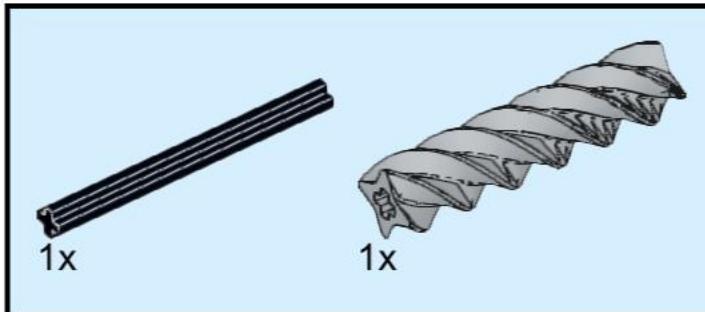
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47

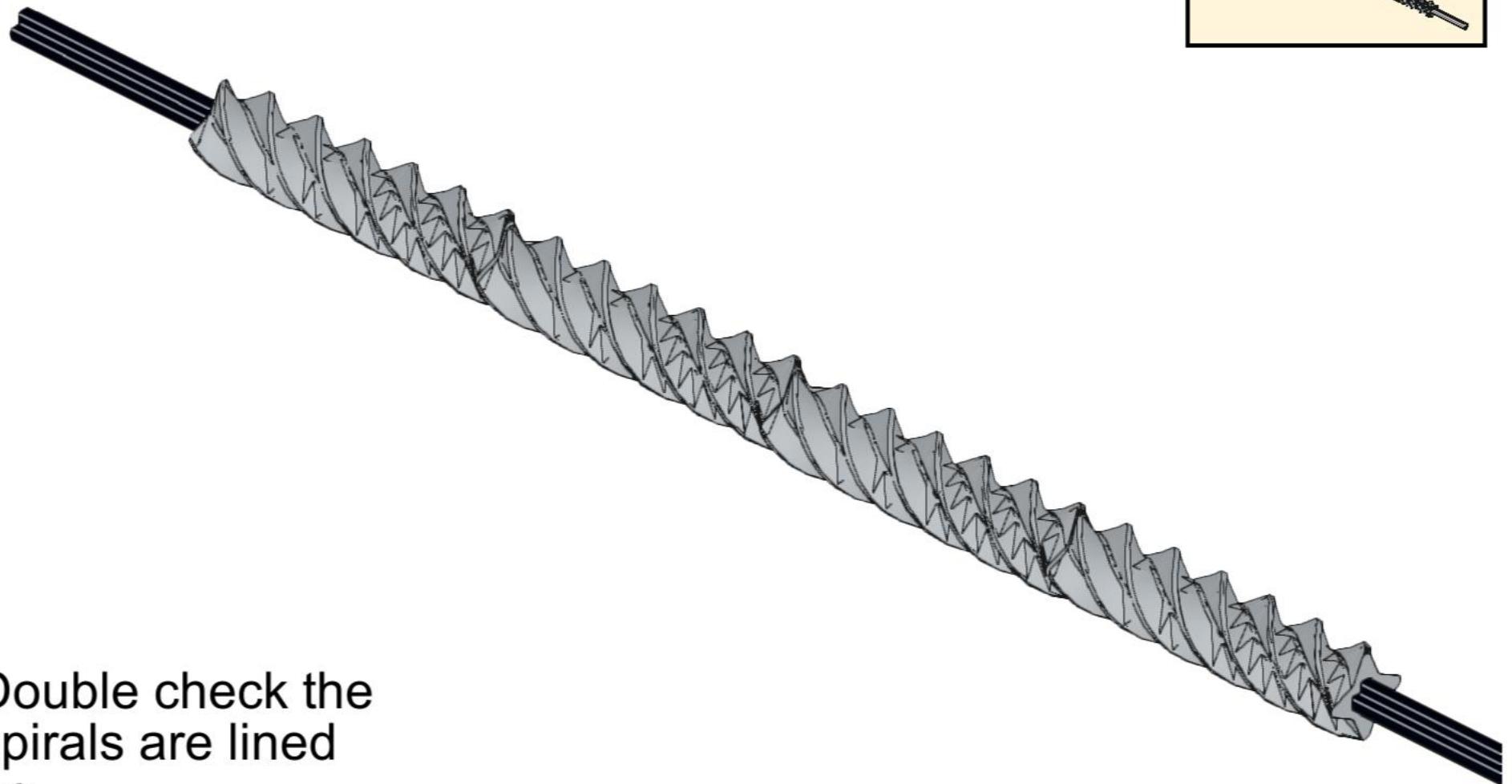


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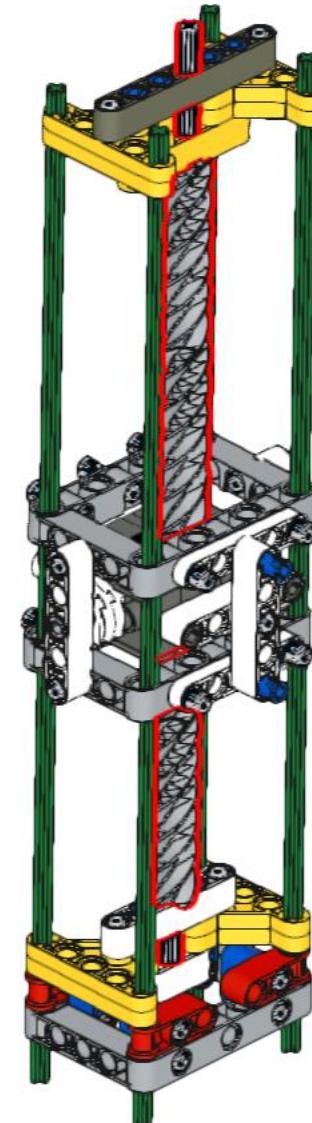
The end (bottom) black axle might need a different length depending on how you mount the attachment to the robot

49



Double check the
spirals are lined
up

50



You will need to
temporarily remove the
yellow top piece to insert
the worm drive rod

51

