

Worm Screw Attachment OMMS FLL Team #1 45775

The two critical pieces are:

6L Worm Gear (73763)

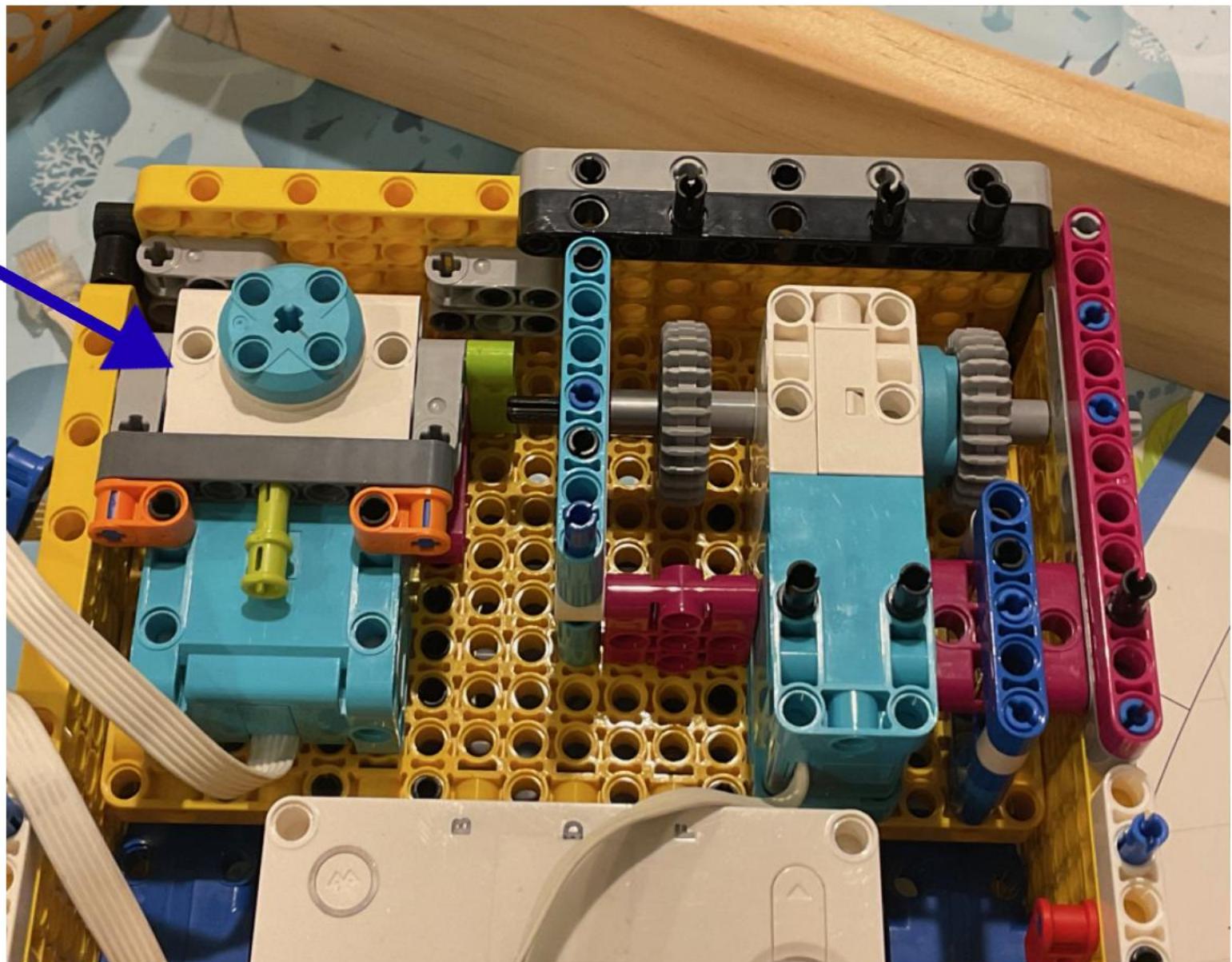
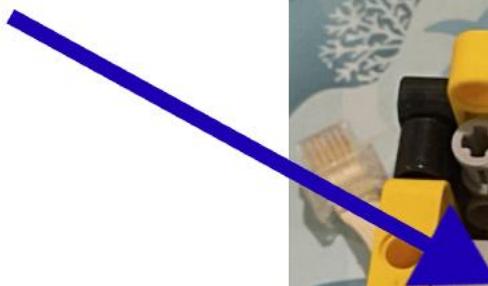
2x2x1 2/3 Box w/ Worm Gear Hole (73764)

This attachment allow for high torque straight vertical lift.

Version 1.0
24 Dec 2025

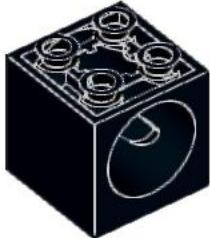
It was inspired by this YouTube video:
<https://www.youtube.com/watch?v=9KNSUKzYGi0>

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





27x
2780
Black



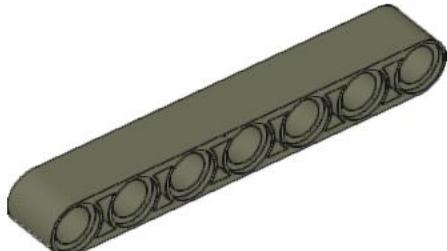
1x
73764
Black



1x
32073
Black



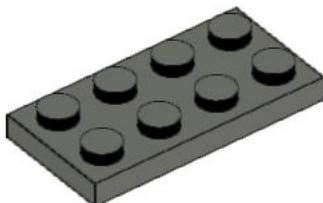
1x
3706
Black



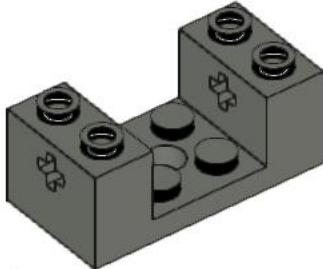
1x
32524
Dark Gray



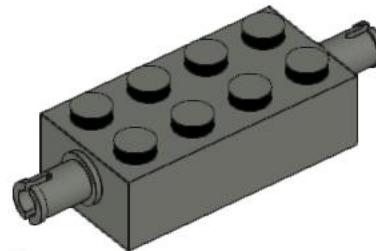
4x
3023
Dark Bluish Gray



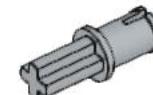
1x
3020
Dark Bluish Gray



1x
67446
Dark Bluish Gray



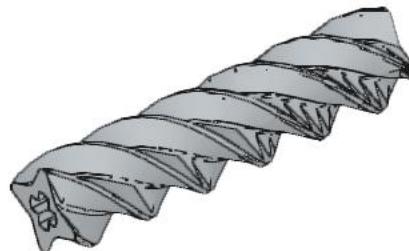
2x
6249
Dark Bluish Gray



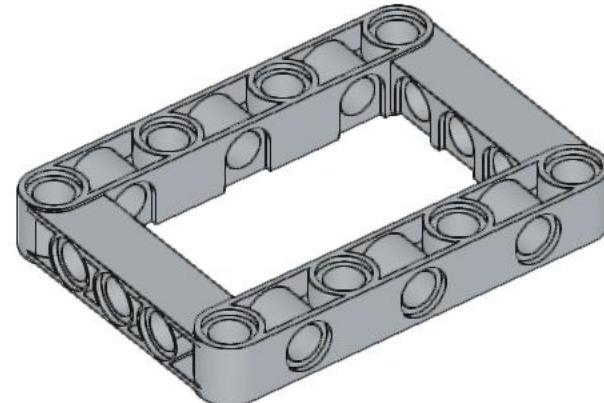
2x
3749
Light Bluish Gray



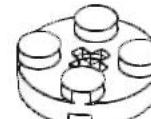
1x
46372
Light Bluish Gray



4x
73763
Light Bluish Gray



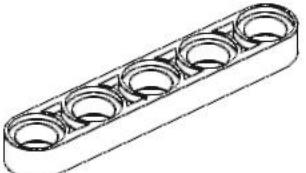
3x
64179
Light Bluish Gray



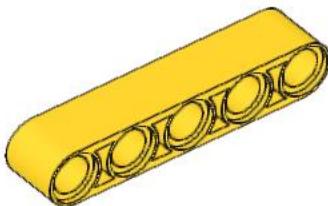
4x
4032
White



1x
32523
White



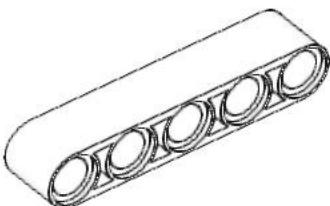
2x
32017
White



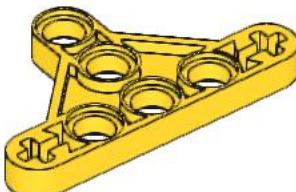
1x
32316
Yellow



4x
43857
Blue



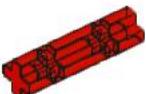
6x
32316
White



8x
99773
Yellow



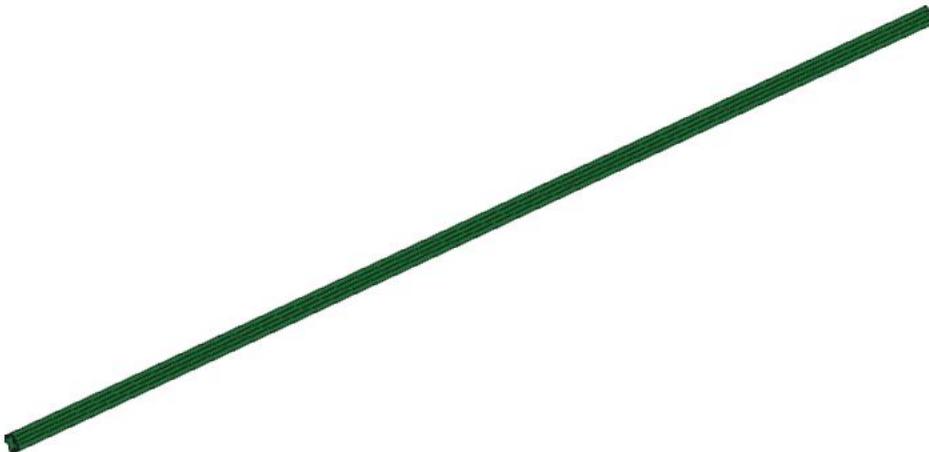
8x
6558
Blue



3x
32062
Red

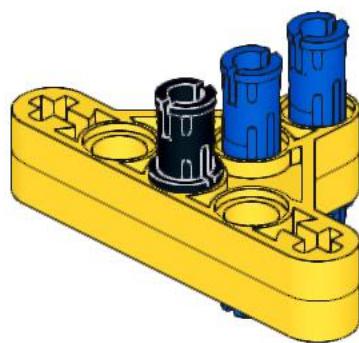
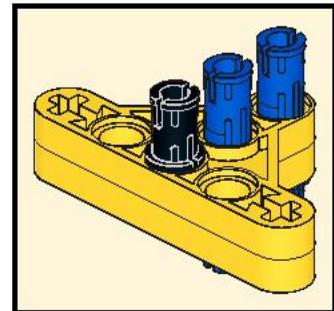
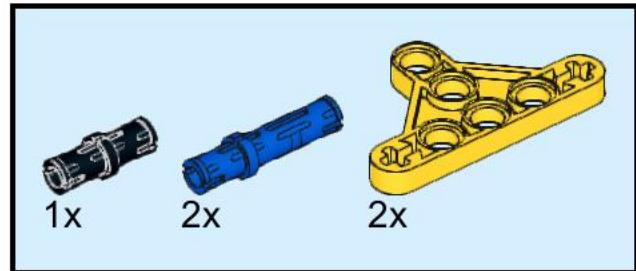


4x
42003
Red

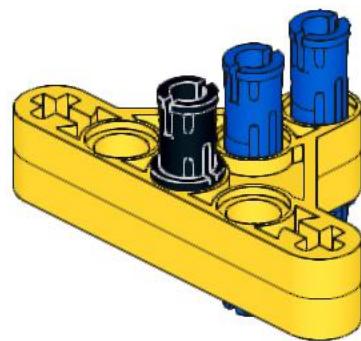
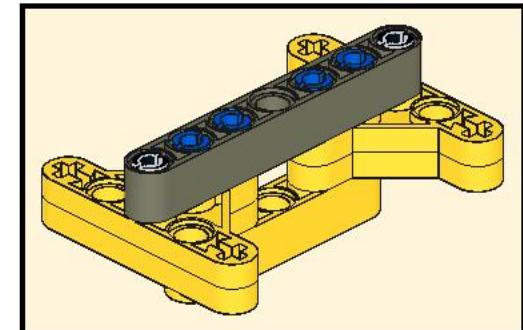


4x
50450
Green

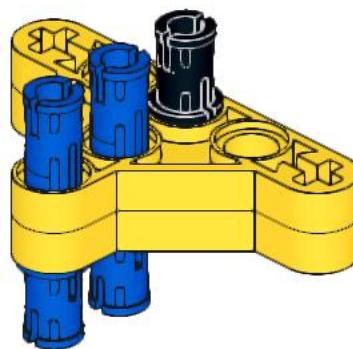
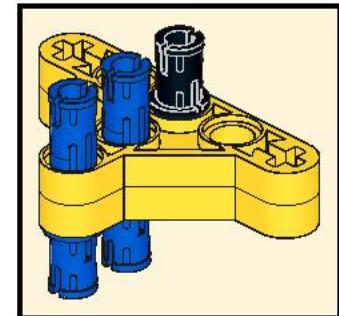
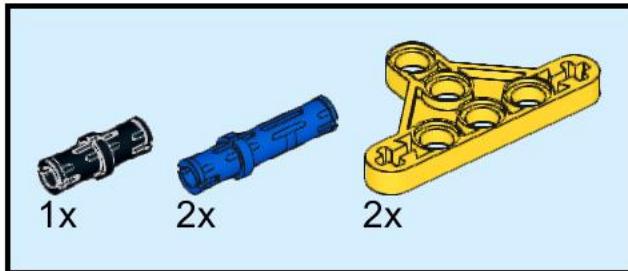
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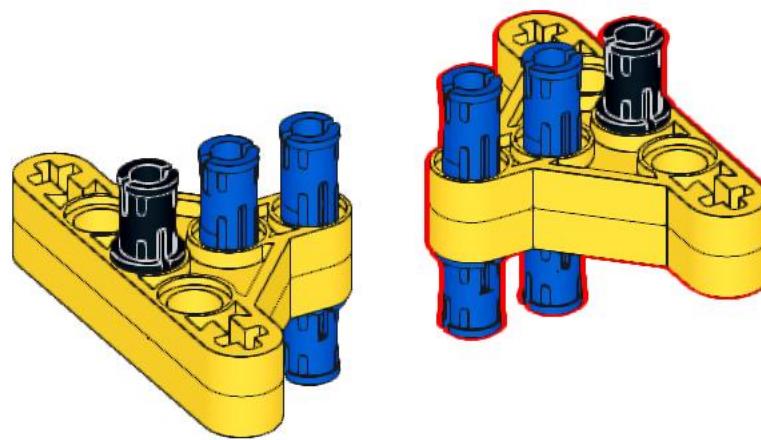
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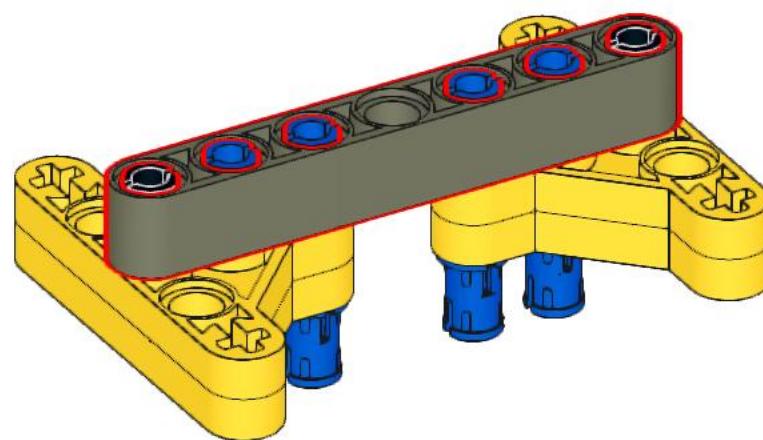
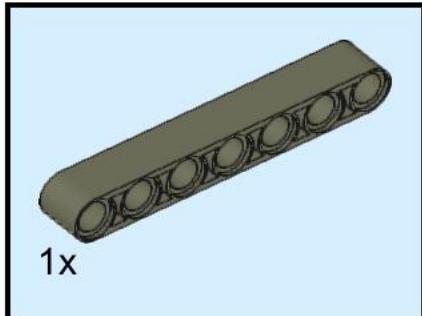
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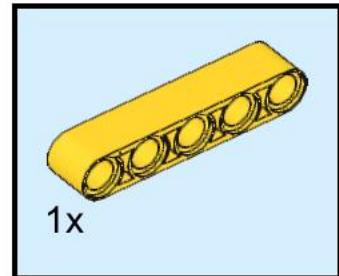
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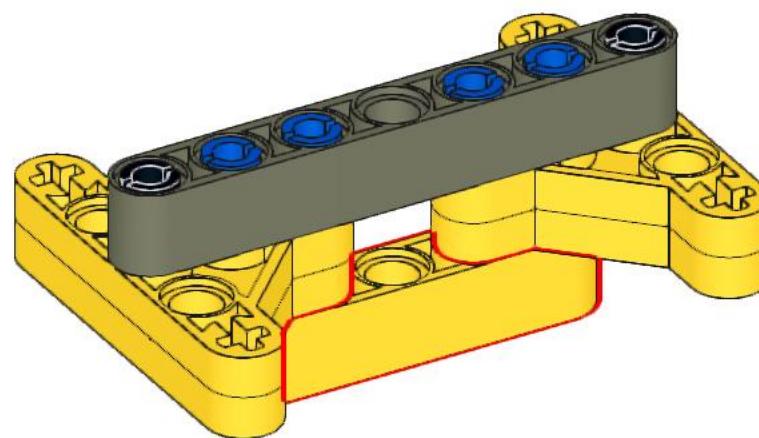
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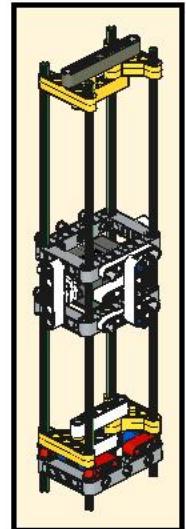
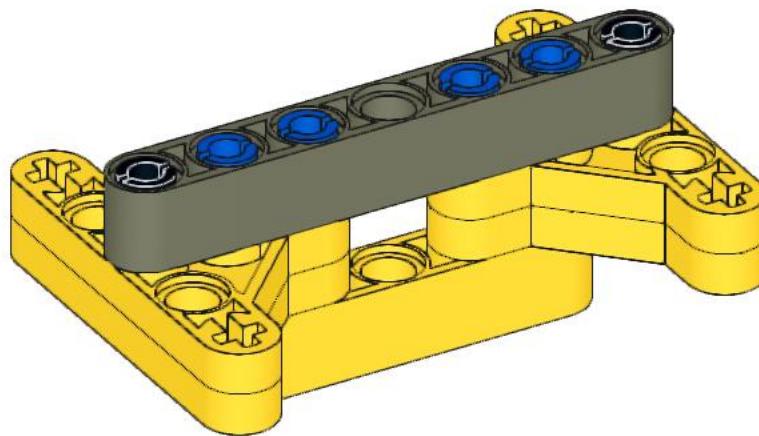
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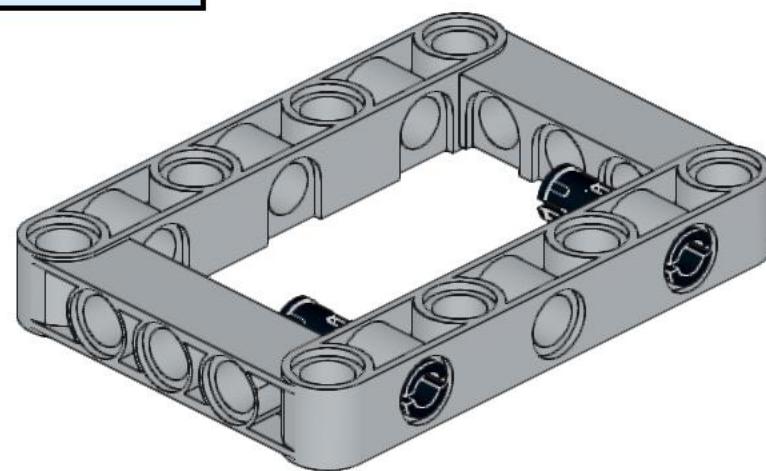
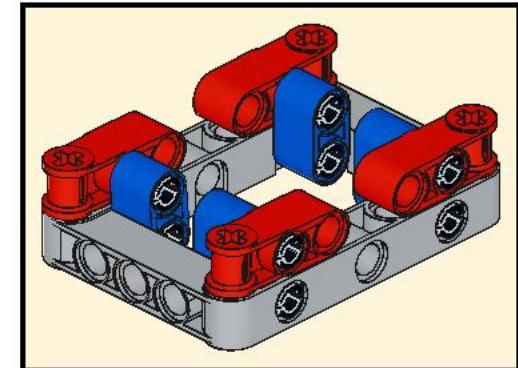
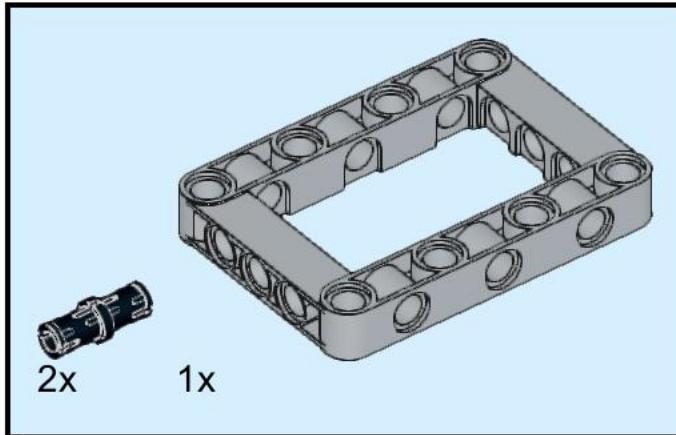
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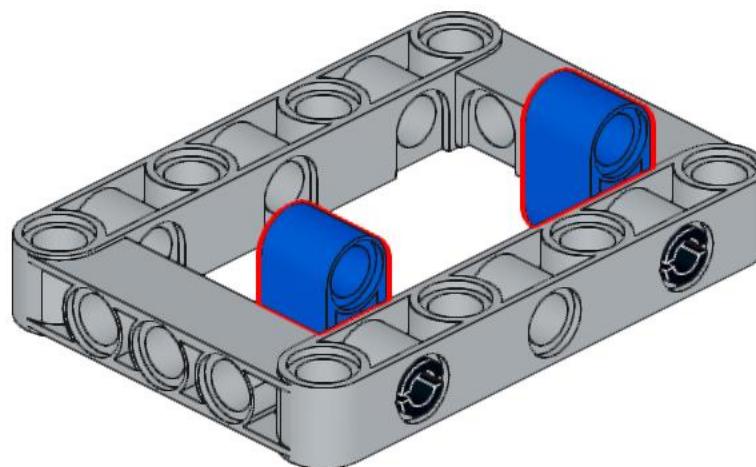
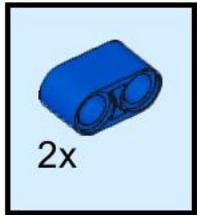
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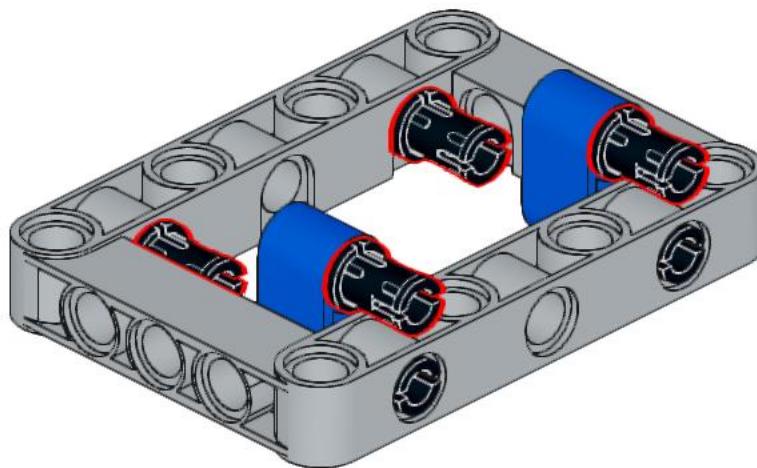
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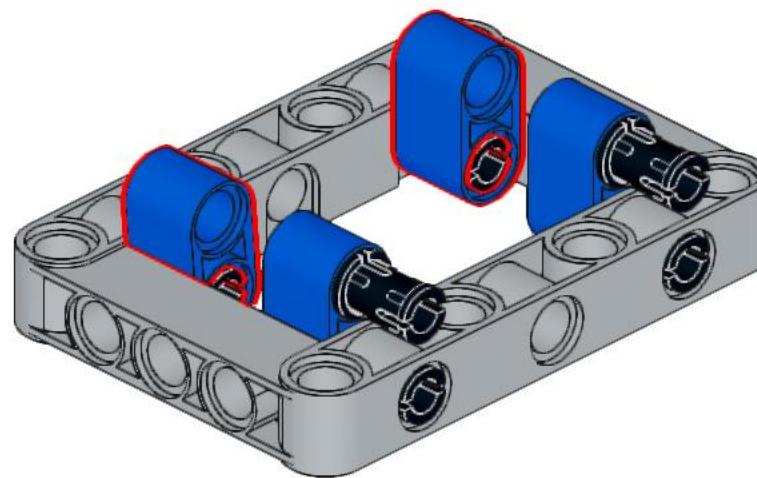
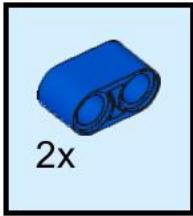
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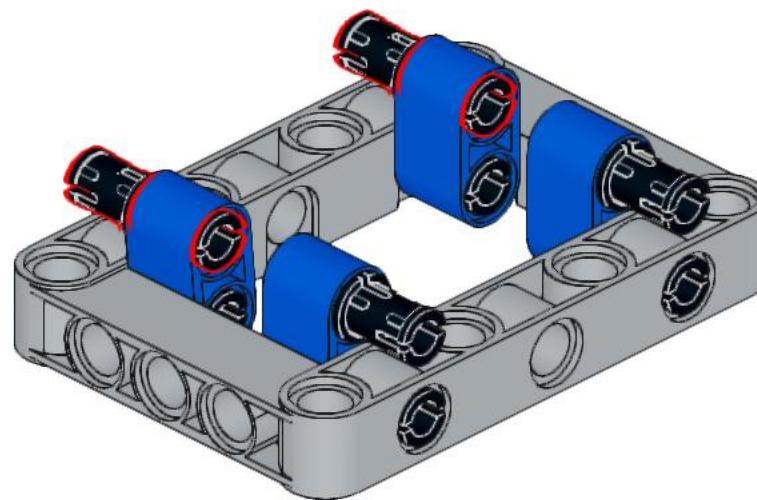
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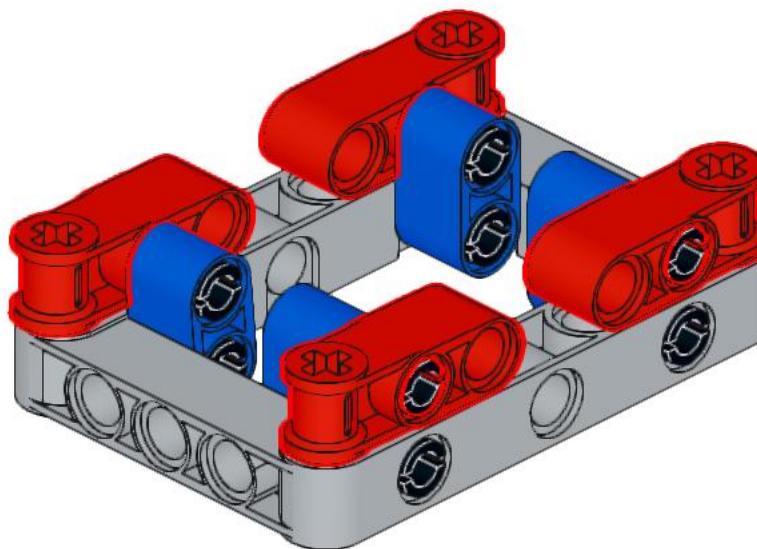
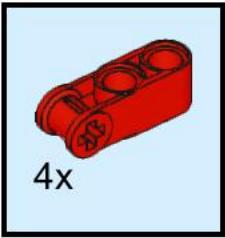
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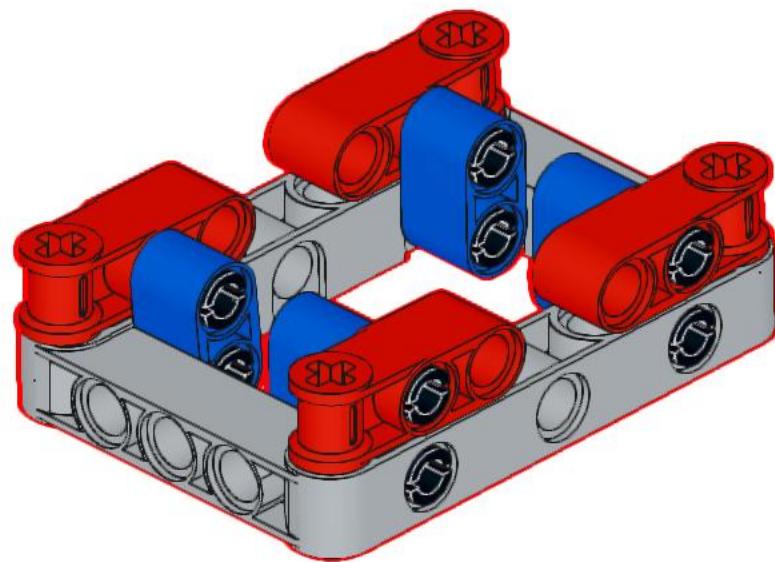
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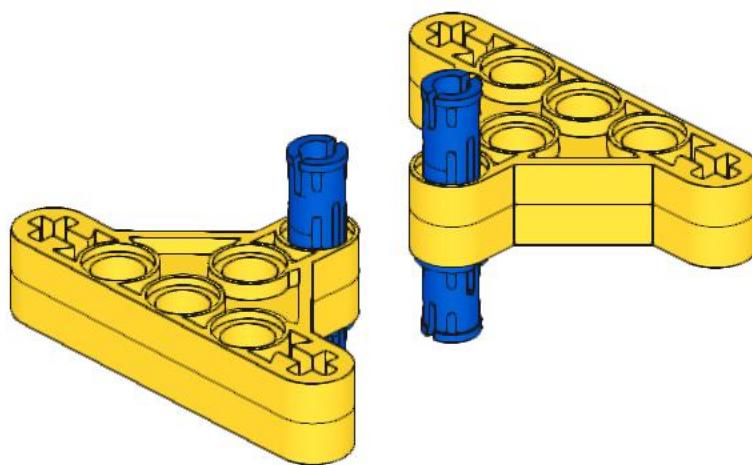
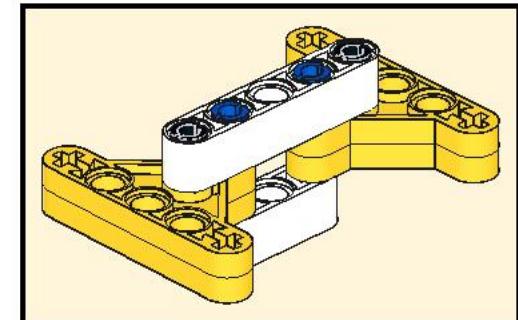
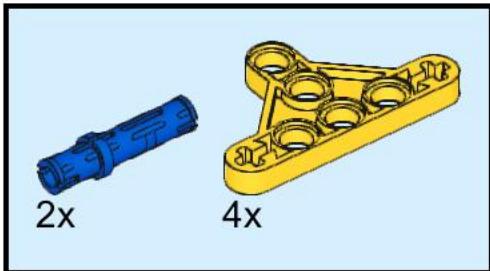
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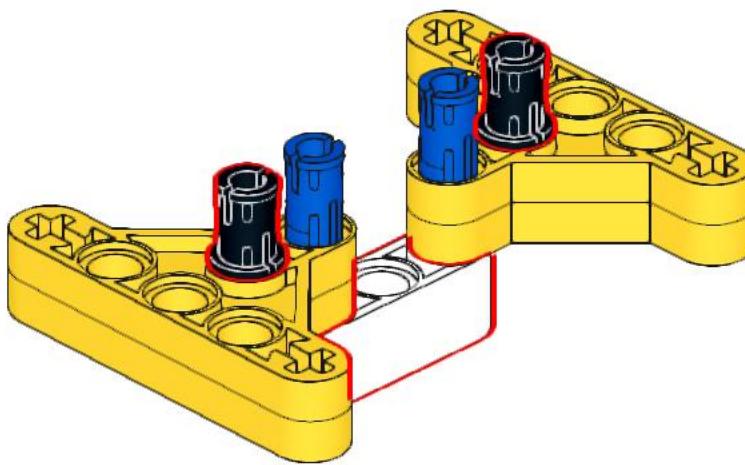
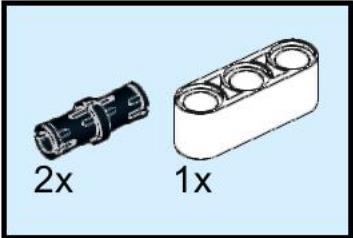
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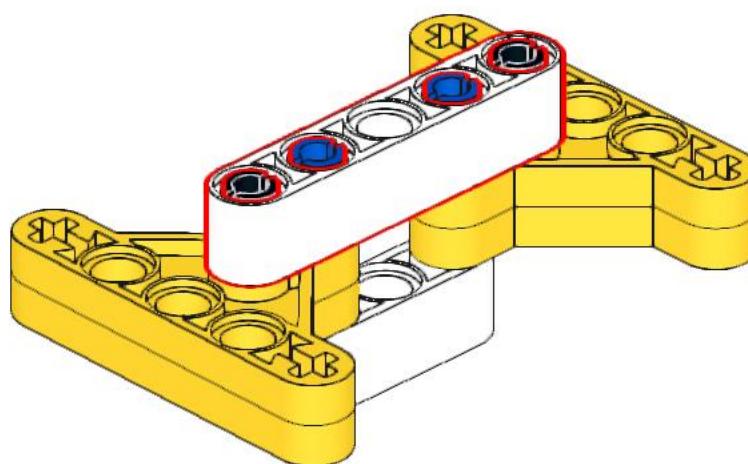
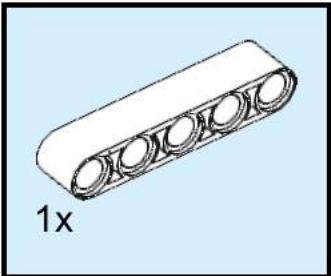
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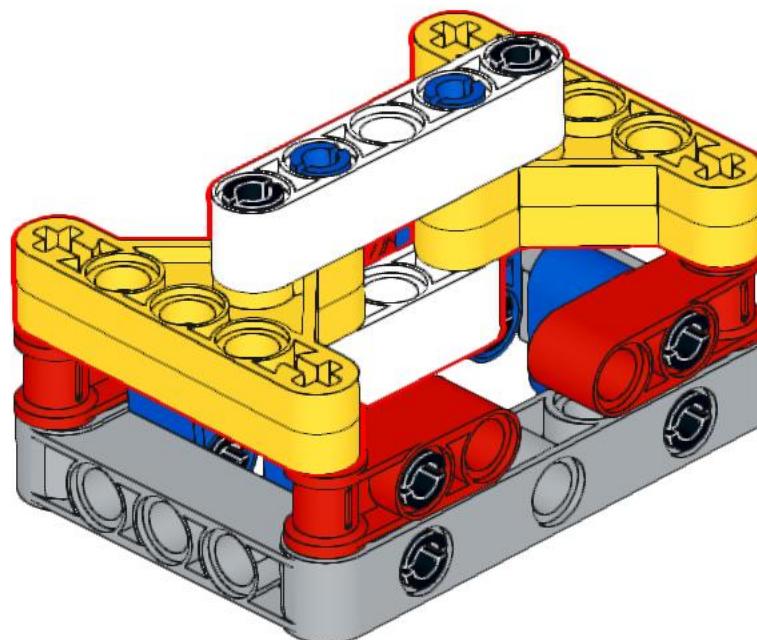
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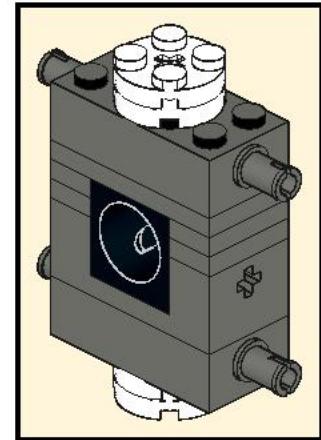
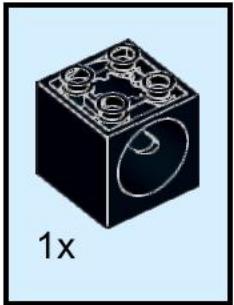
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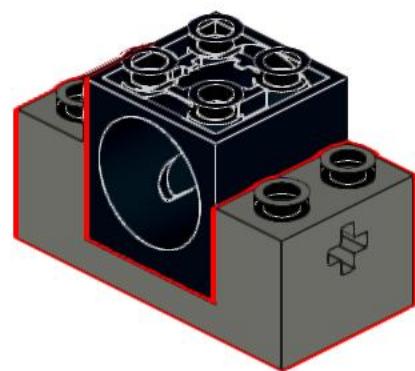
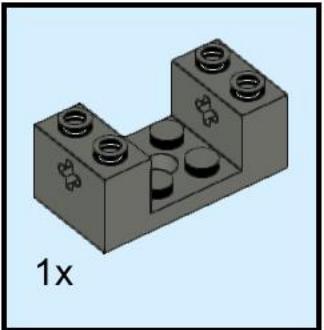
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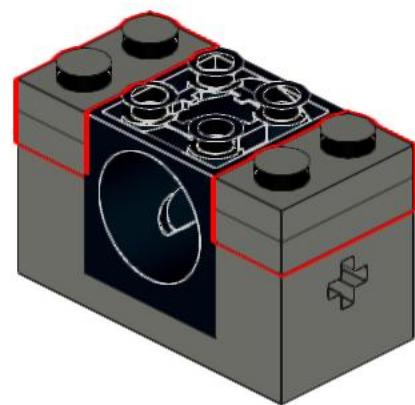
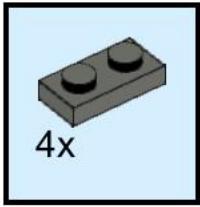
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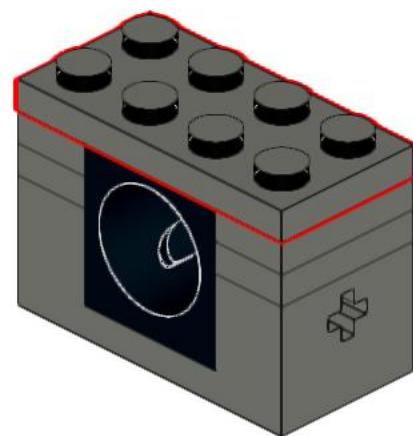
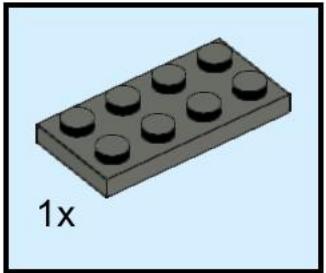
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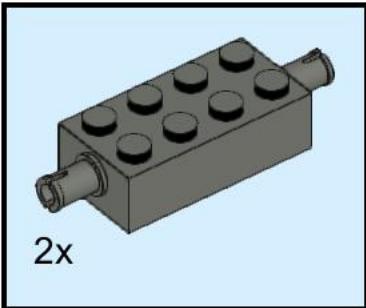
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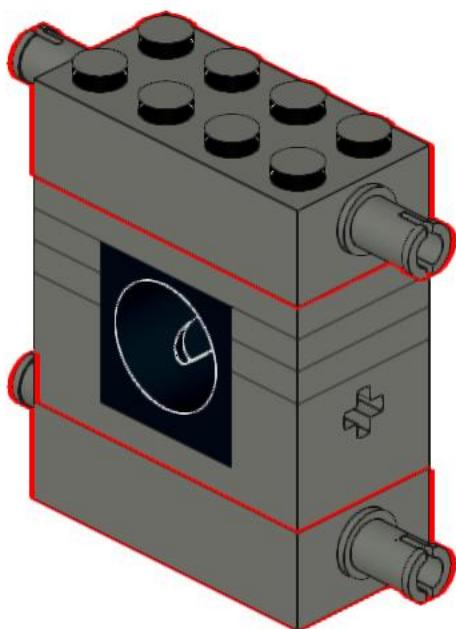
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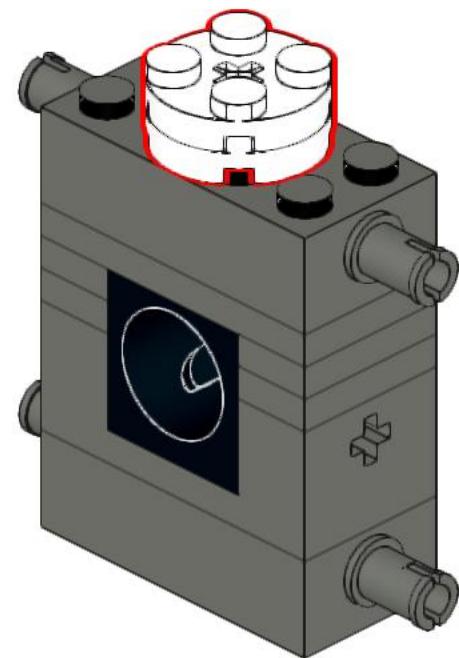
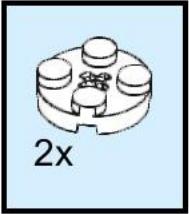
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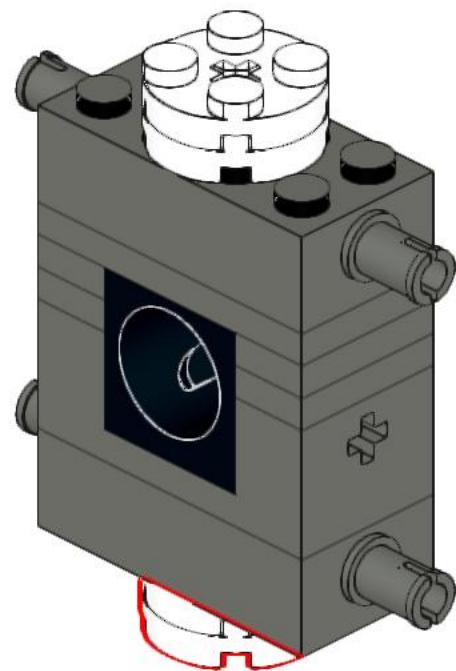
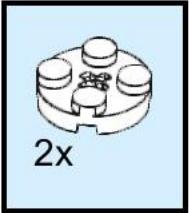
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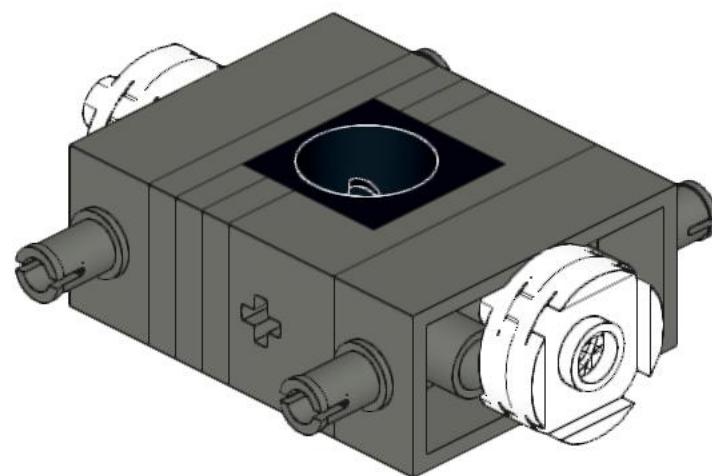
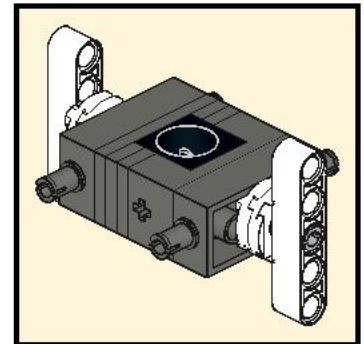
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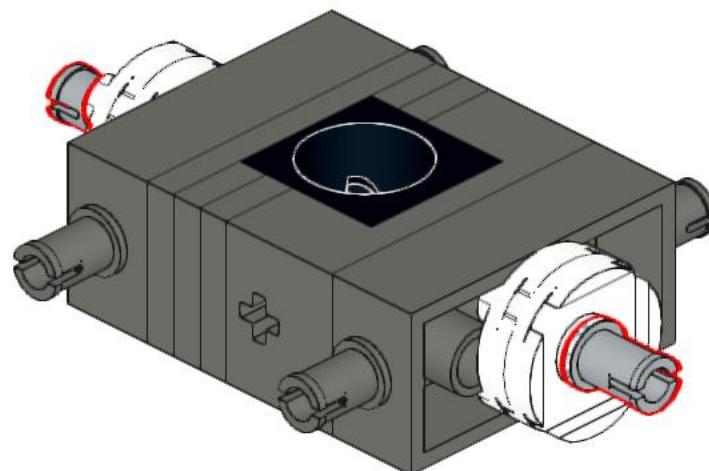
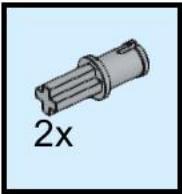
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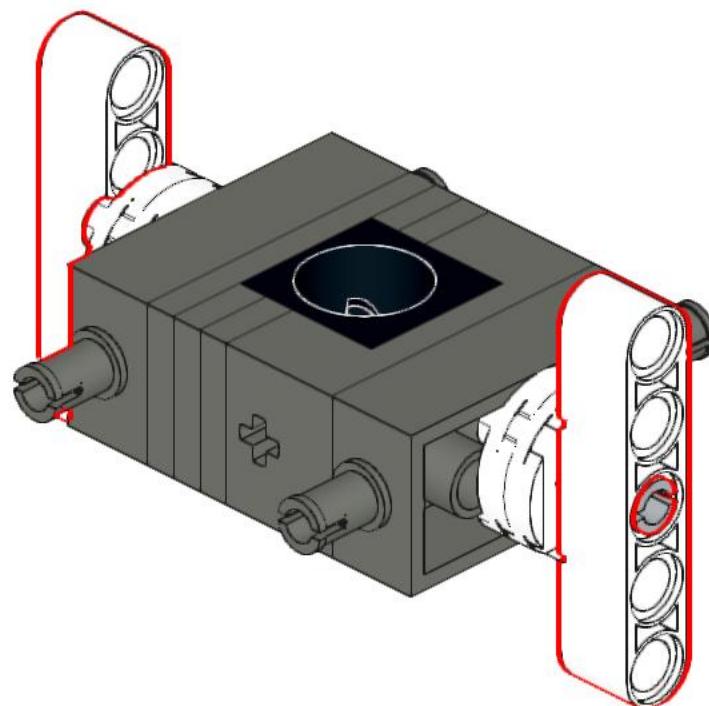
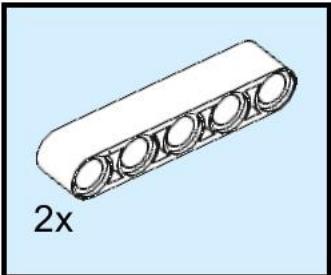
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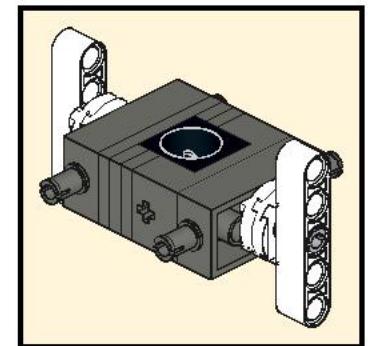
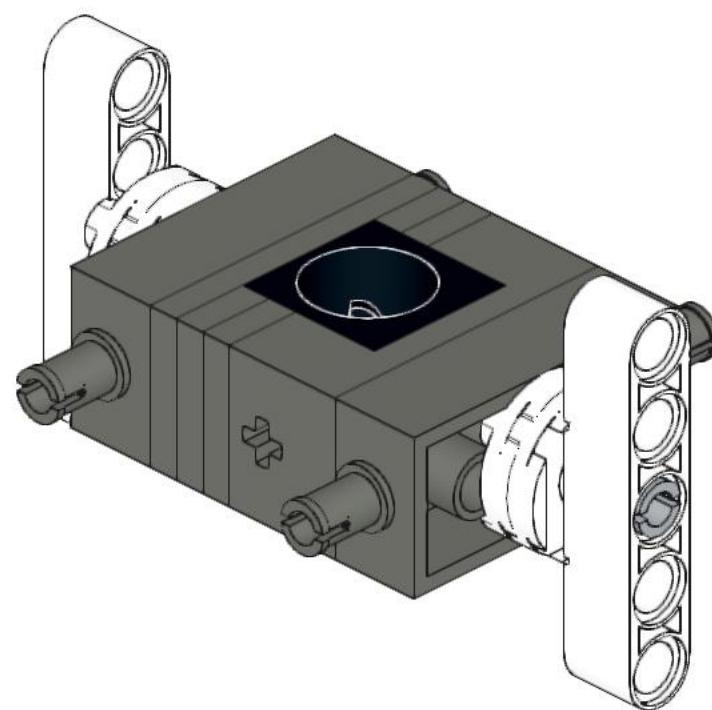
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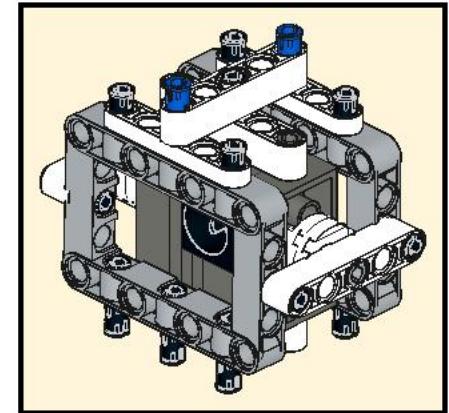
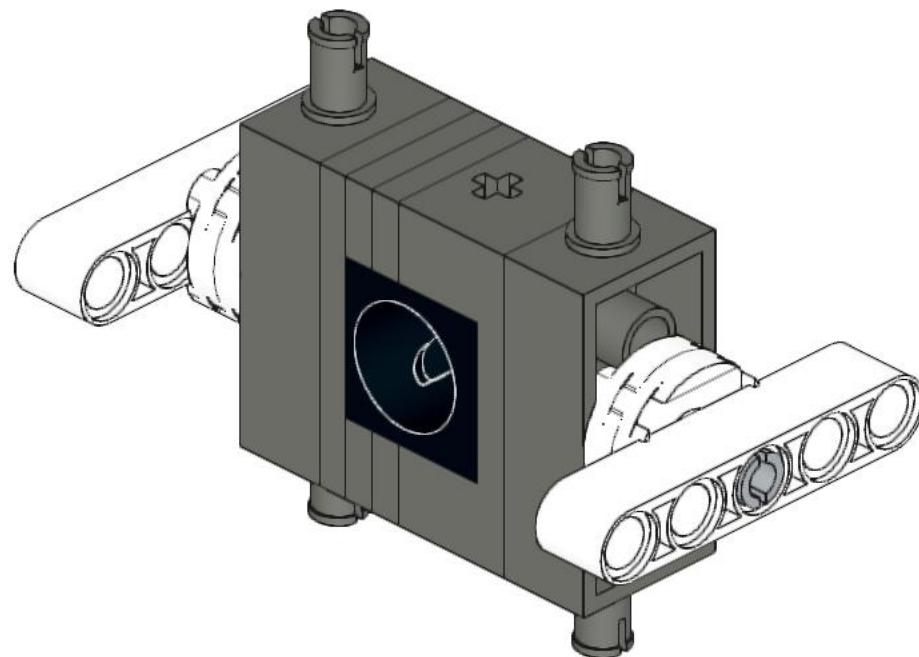
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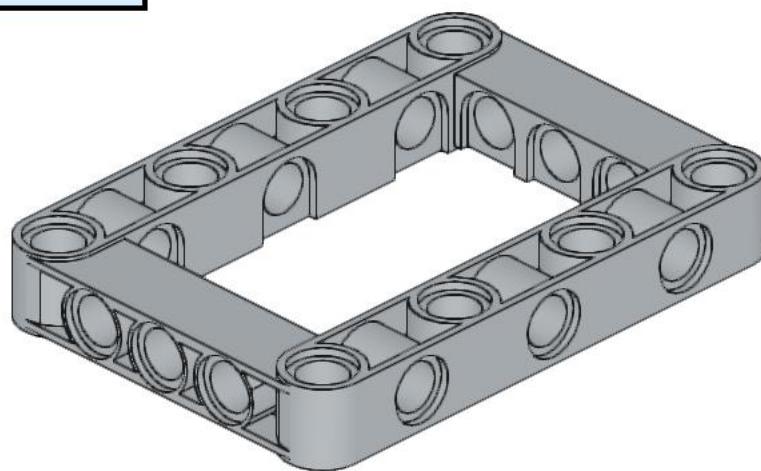
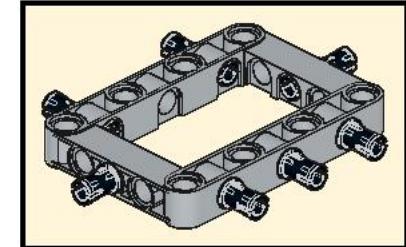
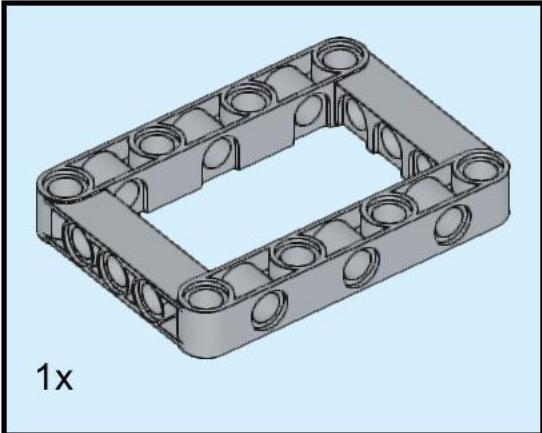
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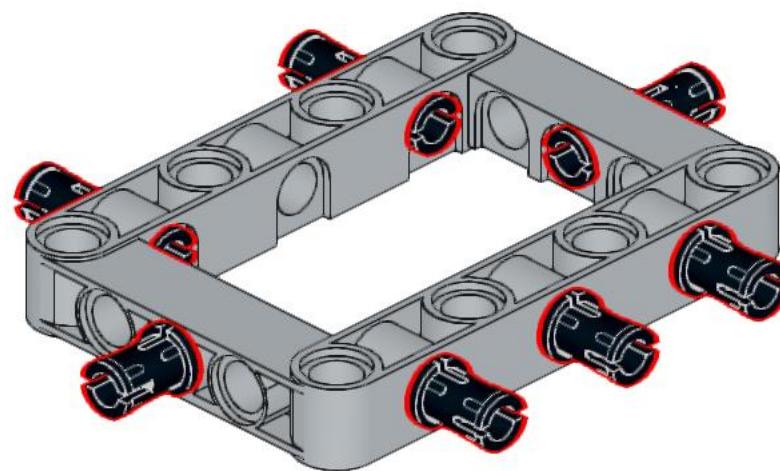
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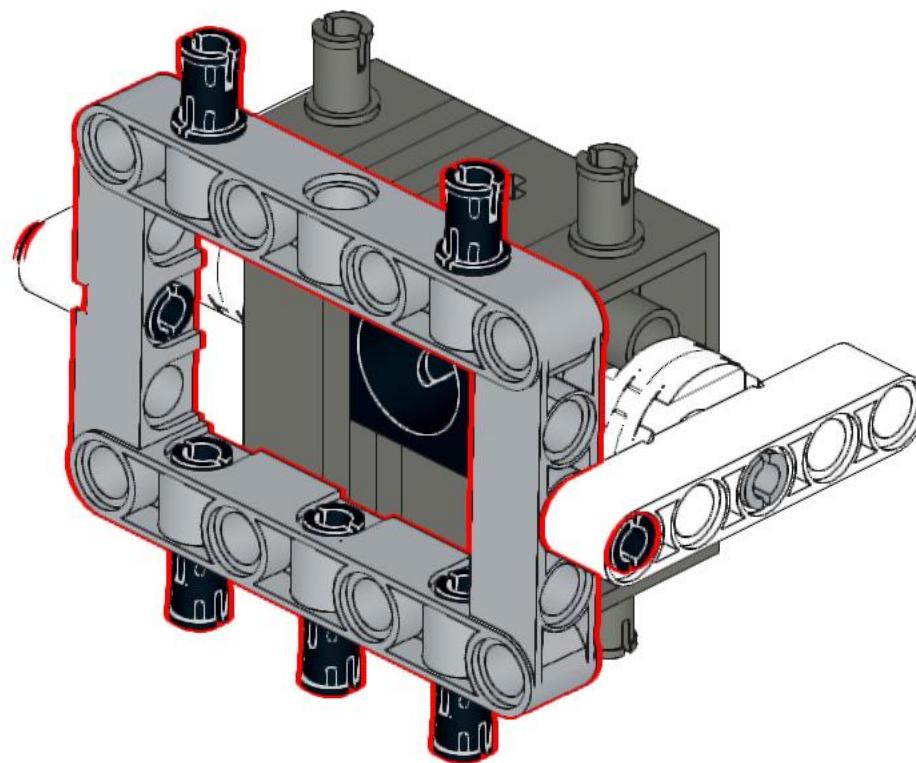
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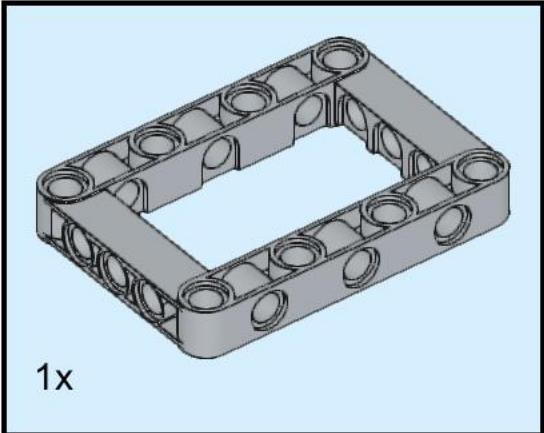
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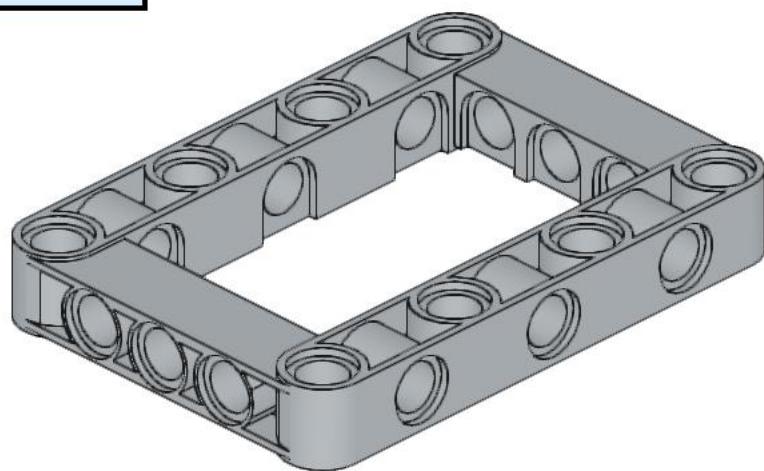
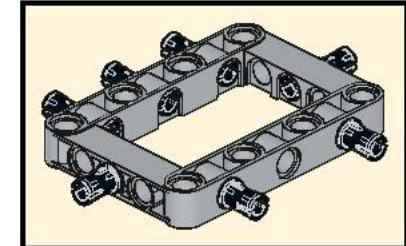
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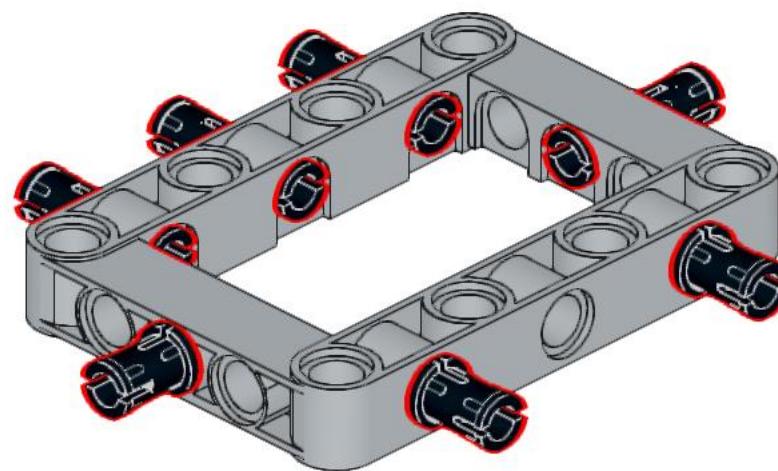
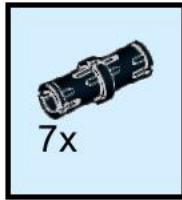
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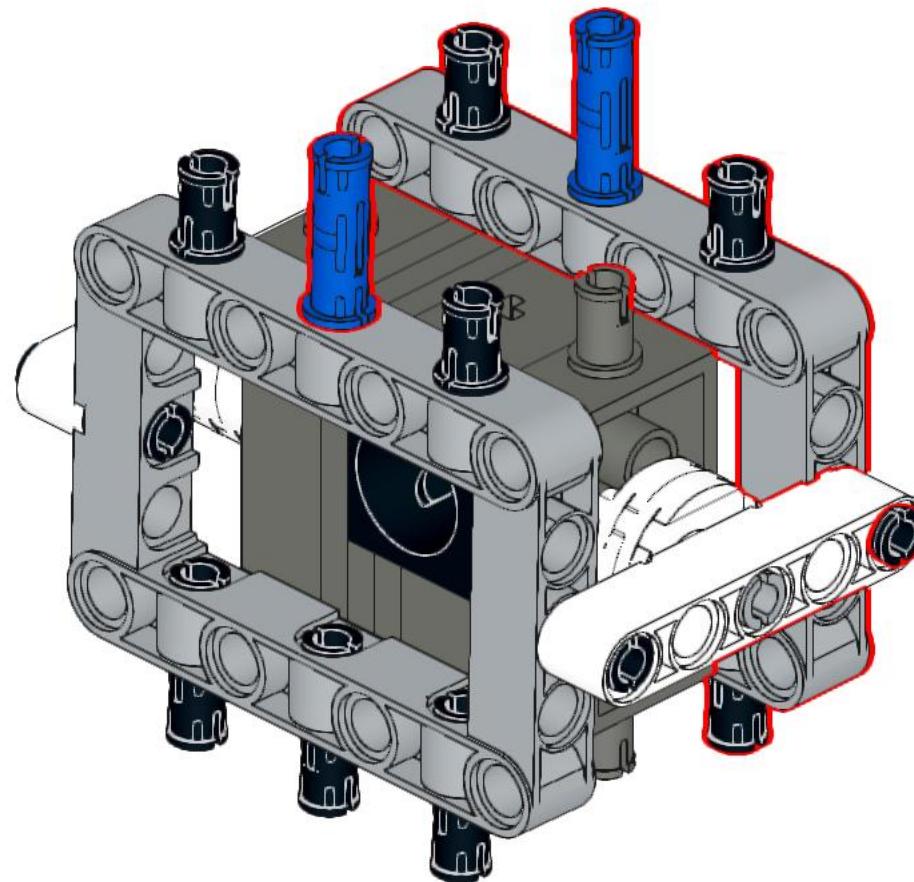
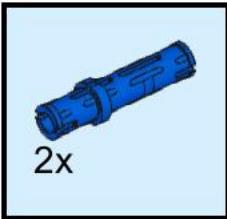
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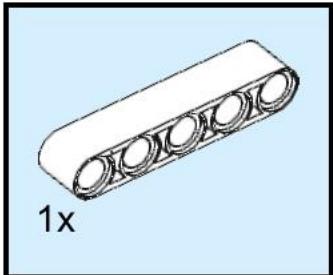
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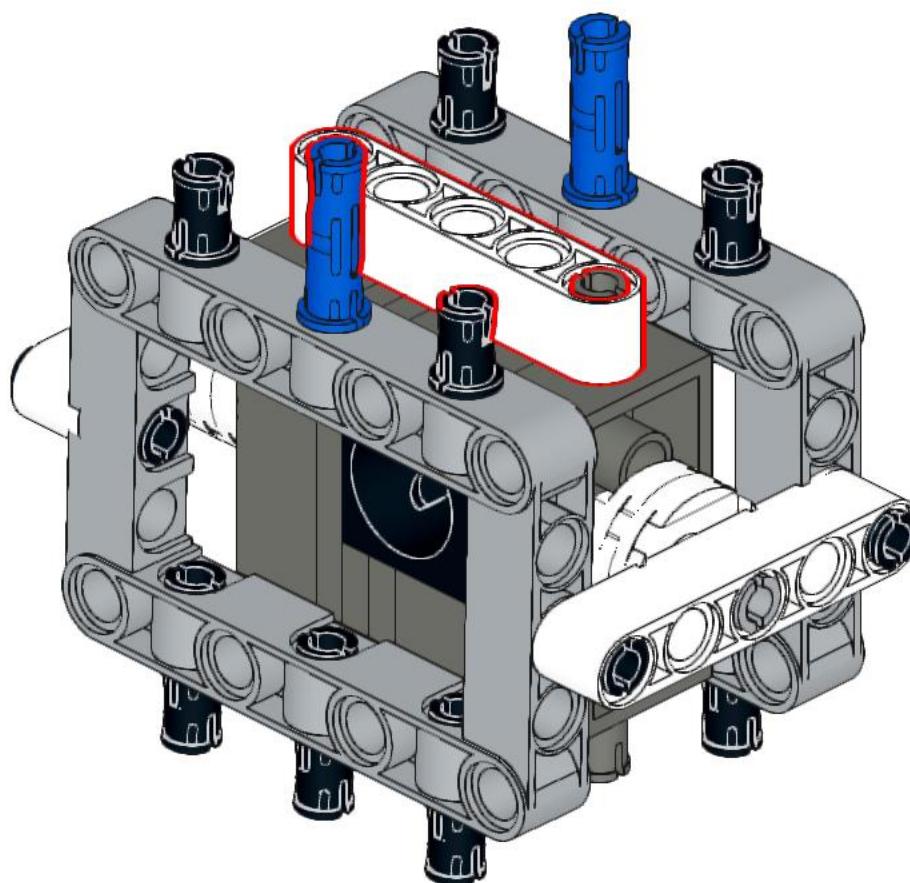
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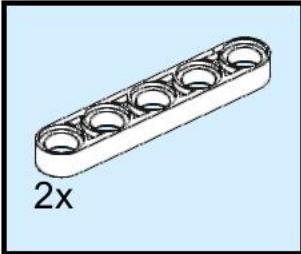
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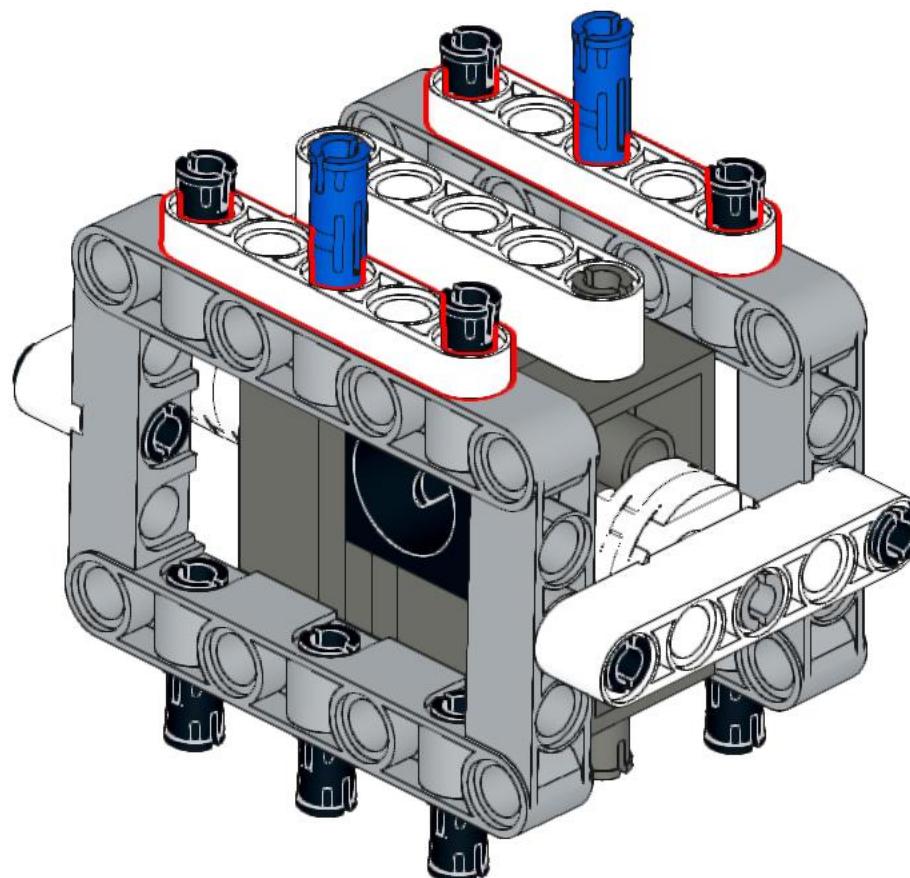
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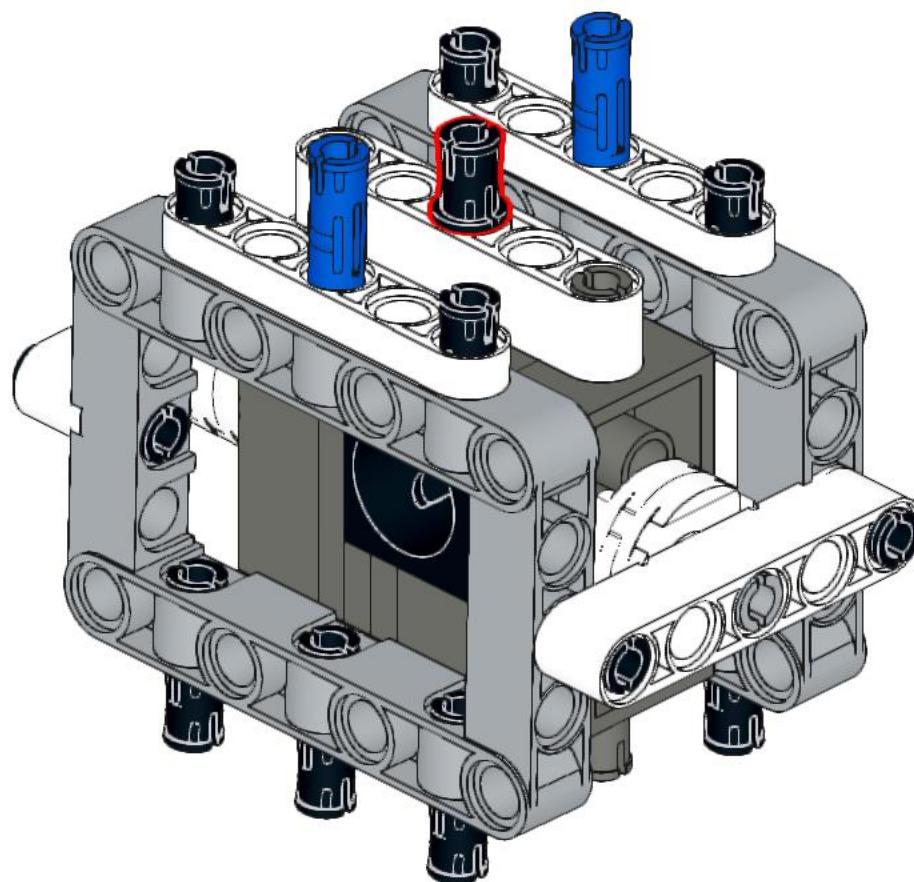
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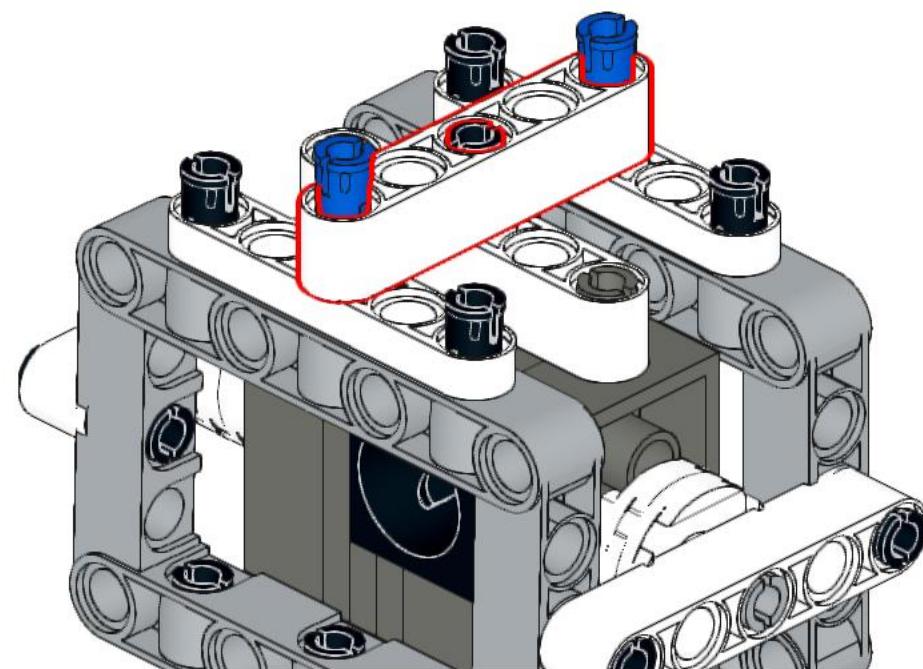
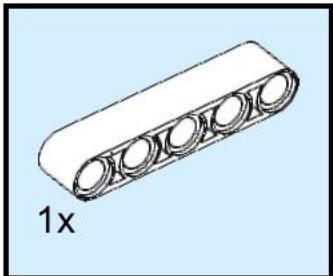
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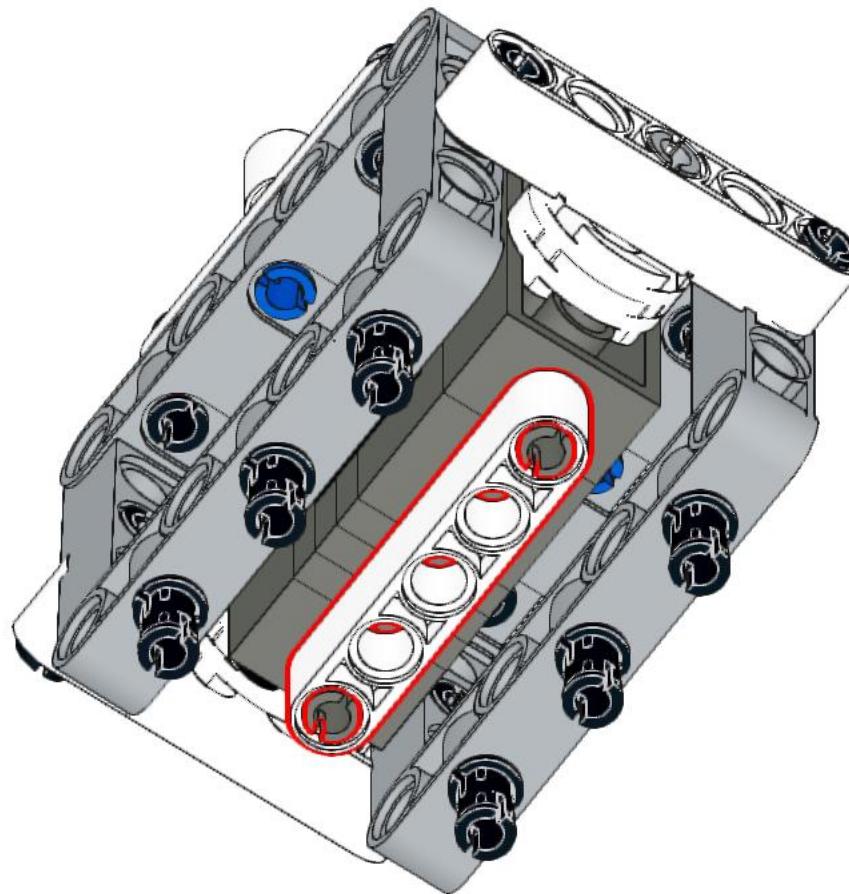
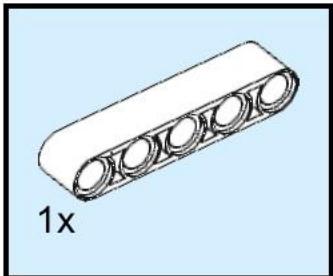
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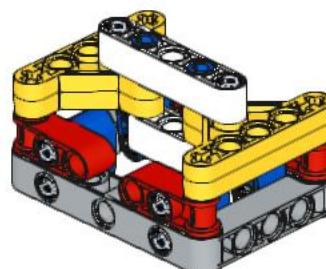
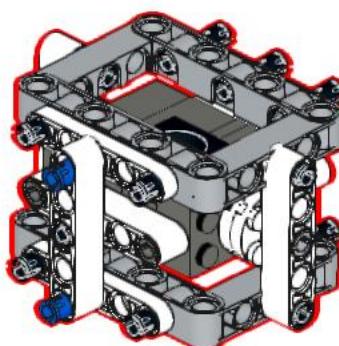
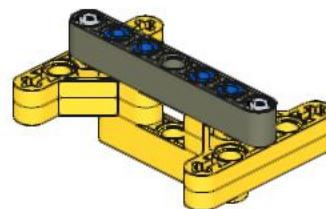
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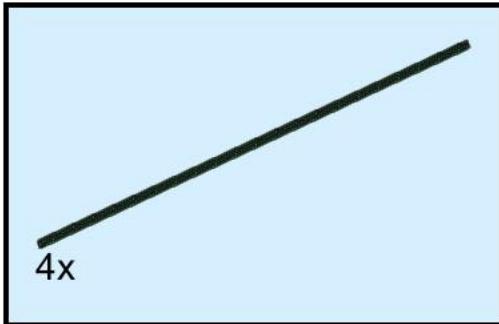
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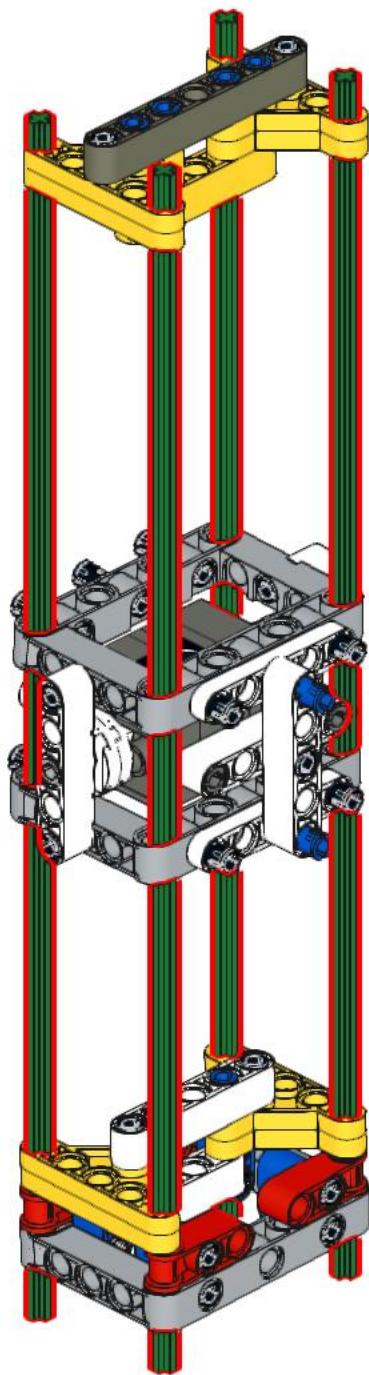
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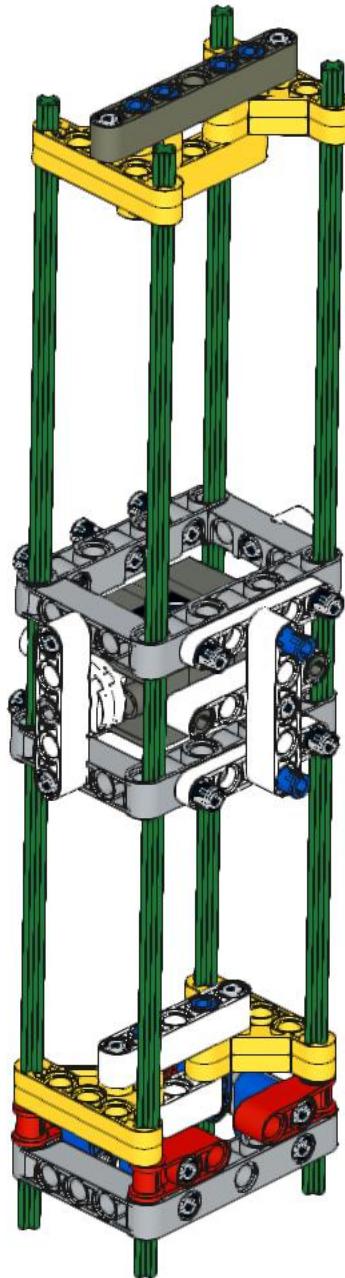
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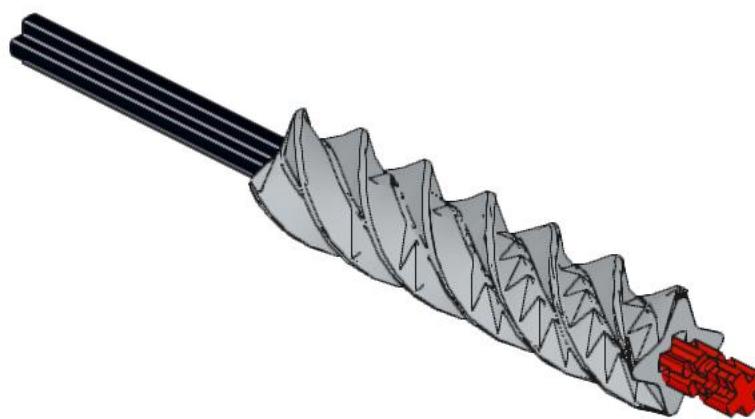
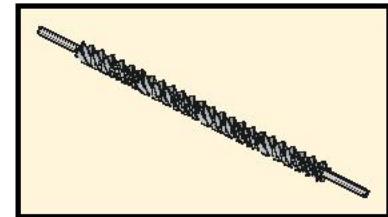
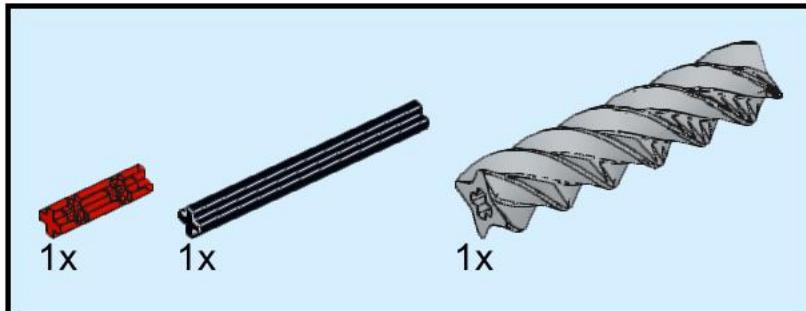
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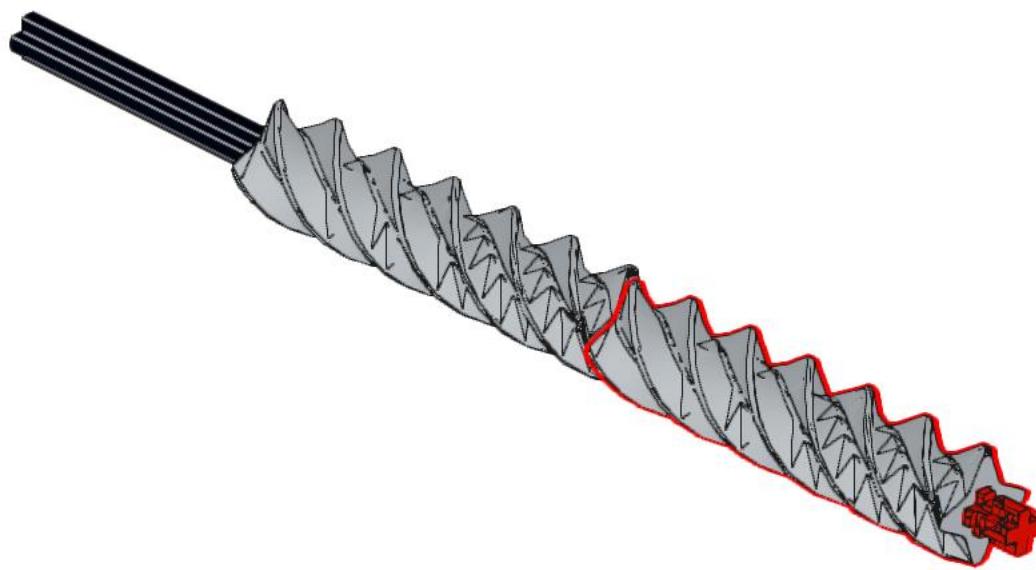
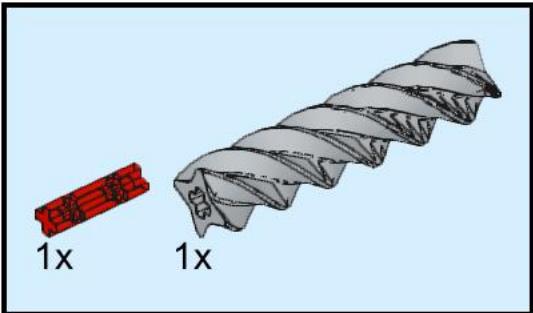
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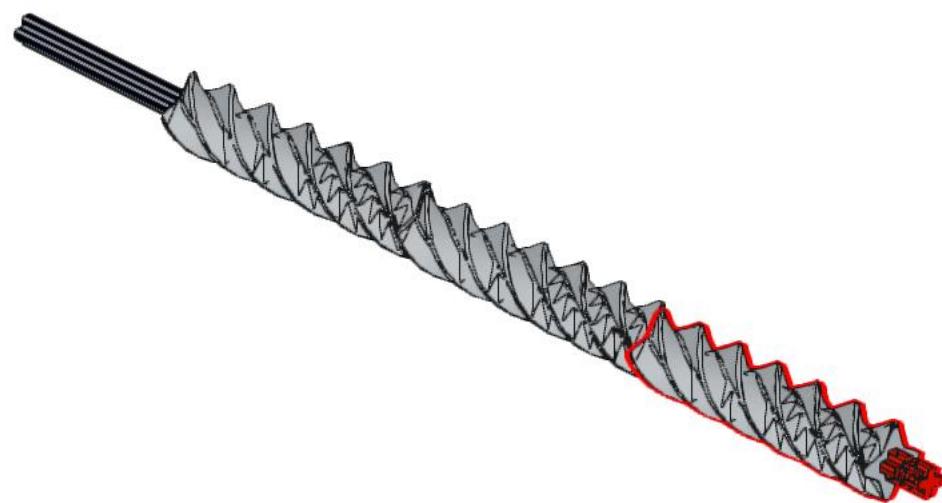
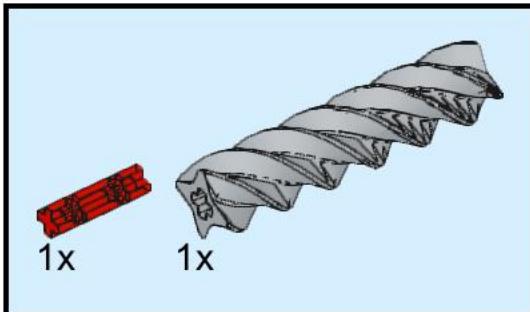
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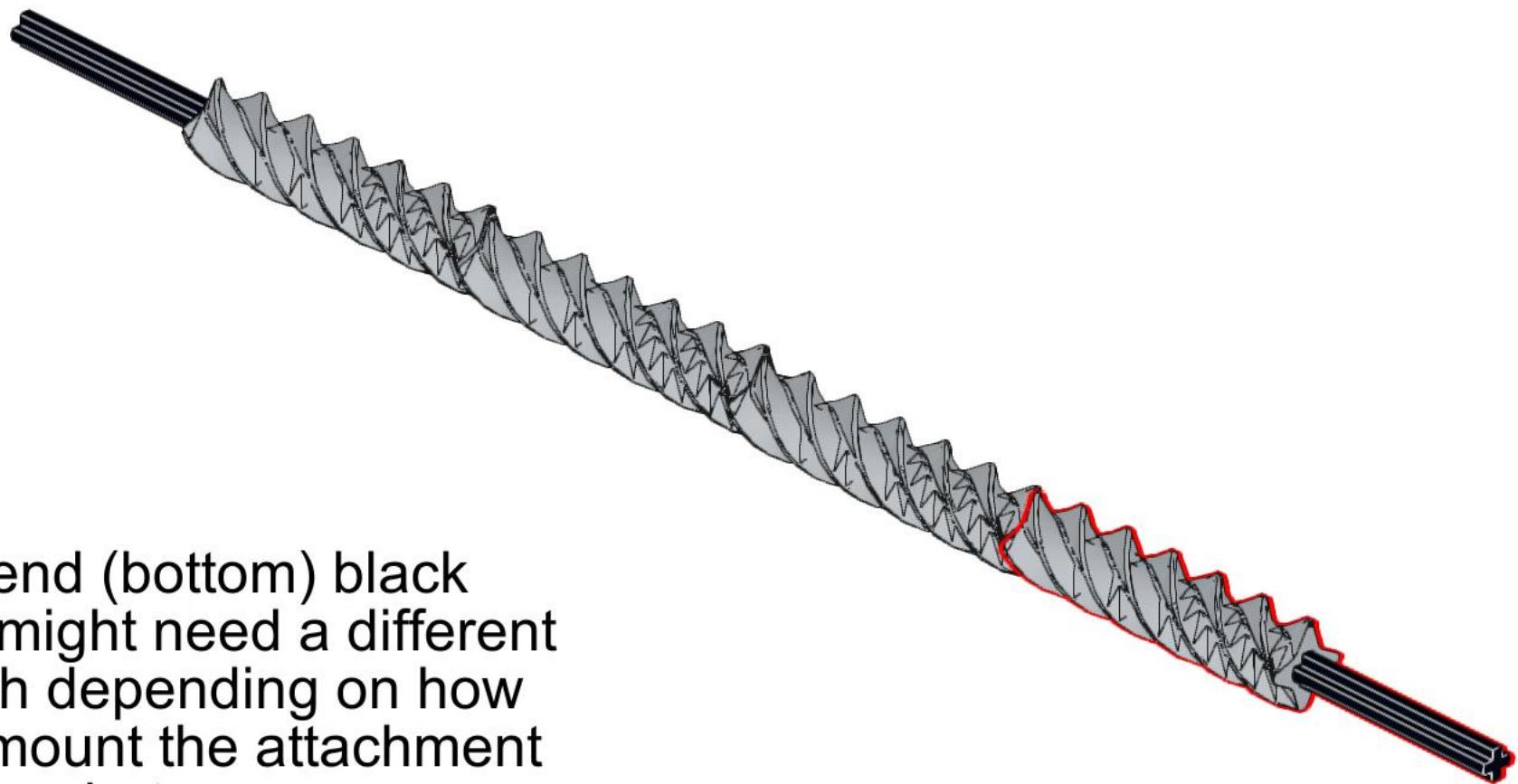
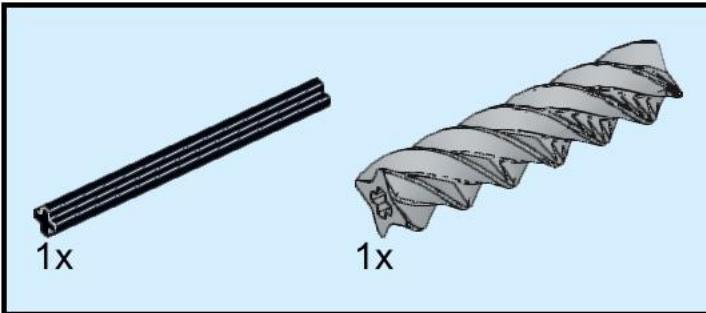
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47

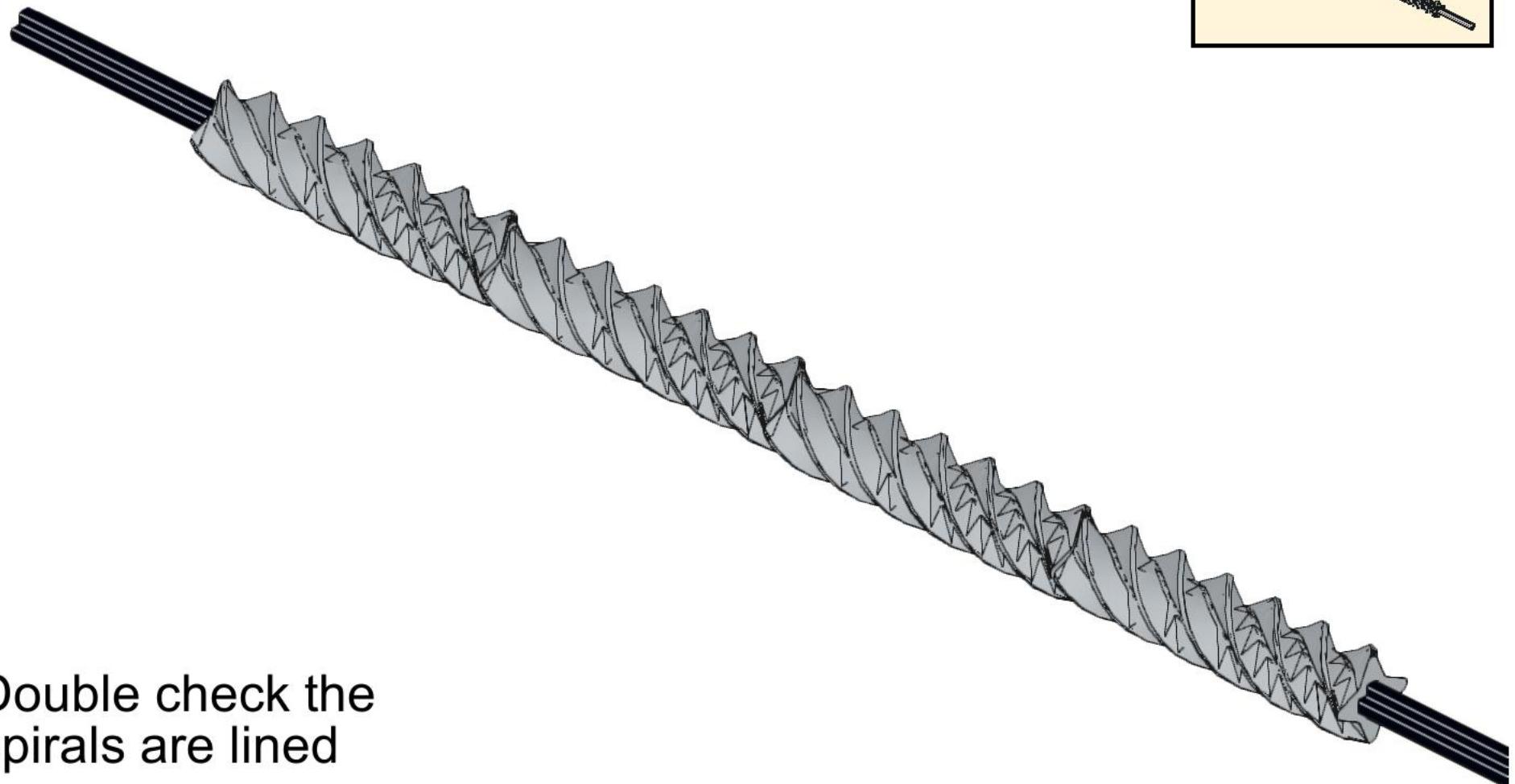


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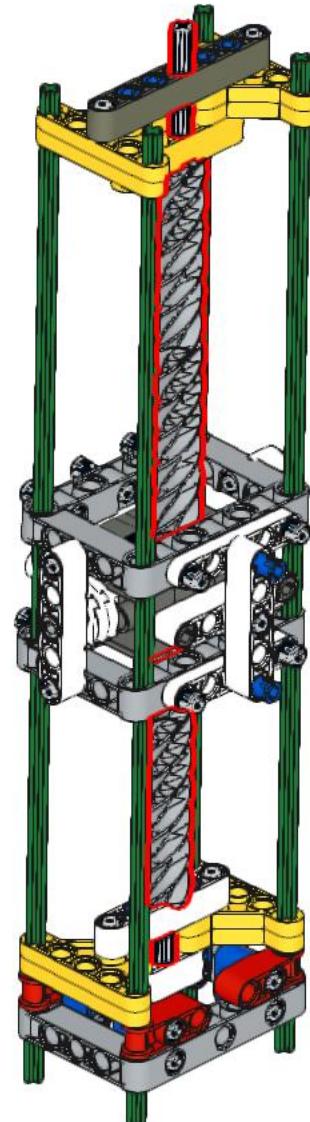
The end (bottom) black axle might need a different length depending on how you mount the attachment to the robot

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

