

Bauanleitung
Assembly instruction
Instructions de montage
Bouwhandleiding
Instrucciones de construcción

Manual de montagem
Istruzioni di montaggio
Инструкция по сборке
安装说明书

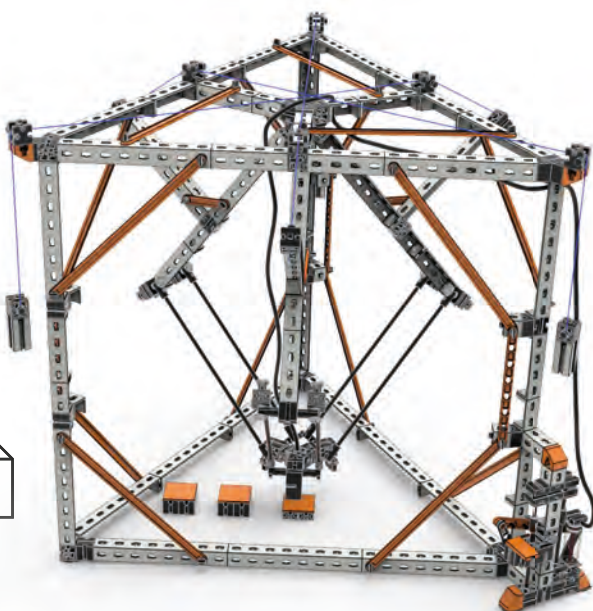
Universal Ultimate

Inhalt
Contents
Contenu

Inhoud
Contenido
Conteúdo

Contenuto
Содержание
目录

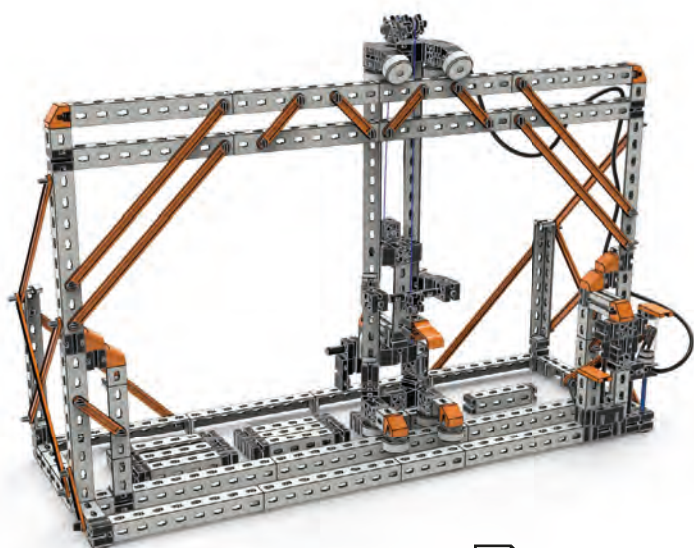
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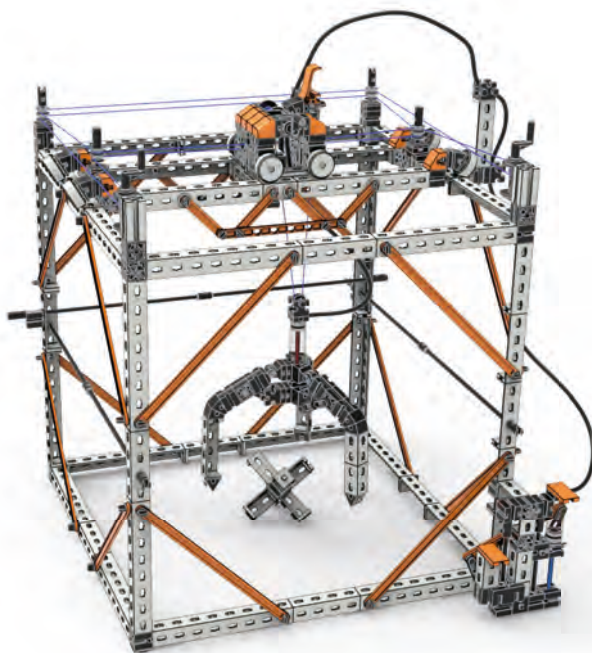
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59



84



Einzelteilübersicht
Spare parts list
Liste des pièces détachées

Onderdelenoverzicht
Lista da piezas
Resumo de peça individual

Singoli componenti
Перечень деталей
零件概览

 2000 mm	31 027 1 x		130 593 4 x		208 312 6 x		208 481 19 x
	32 316 2 x		133 027 1 x		208 314 2 x		208 950 55 x
 6000 mm	32 846 1 x		133 028 1 x		208 315 2 x		210 011 2 x
	33 582 4 x	 30	160 545 6 x		208 424 2 x		210 308 10 x
 30	35 063 6 x		172 804 3 x	 60°	208 426 4 x		211 427 6 x
	35 070 3 x		172 805 3 x		208 429 18 x		213 434 26 x
	35 073 3 x		173 042 1 x		208 432 4 x	 169.6	213 439 16 x
 75	35 087 4 x	 30°	208 229 20 x		208 436 3 x		215 783 1 x
	35 088 3 x		208 233 39 x		208 438 6 x	 42.4	218 341 8 x
	35 945 1 x		208 234 17 x		208 445 4 x	 105	218 342 4 x
	36 227 24 x	 4	208 236 41 x		208 446 4 x		218 343 3 x
	36 819 3 x	 6	208 237 14 x	 90	208 449 4 x		218 344 12 x
	36 938 1 x		208 238 12 x		208 473 1 x		219 013 1 x
 180	37 527 6 x		208 240 19 x		208 476 3 x		
	38 258 9 x		208 241 16 x		208 479 9 x		
	121 640 1 x		208 244 6 x		208 480 15 x		

- Alle Einzelteile, insbesondere bewegliche Teile sind falls notwendig zu warten und zu reinigen.
- All components, especially moving parts, should be maintained and cleaned as necessary.
- Toutes les pièces détachées et en particulier les pièces mobiles, sont, si nécessaire, à entretenir et à nettoyer.
- Alle onderdelen, vooral de bewegende delen, kunnen, indien noodzakelijk, onderhouden en gereinigd worden.
- Es necesario mantener limpio y en buen estado cada una de las piezas. Particularmente las piezas móviles.
- Todas as peças individuais, especialmente peças móveis, devem ser submetidas à manutenção e limpas se necessário.
- Se necessario, tutti i singoli componenti, soprattutto le parti mobili, si devono eventualmente sottoporre a manutenzione e pulizia.
- Все детали, особенно подвижные, требуют ухода и чистки.
- 必要时应保养和清洁所有零件，尤指运动部件。

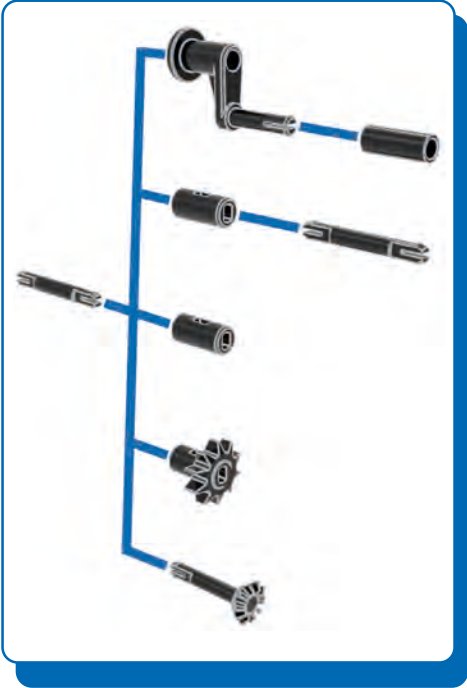
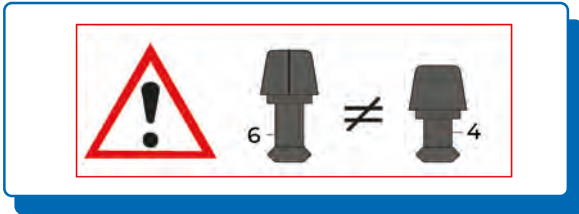
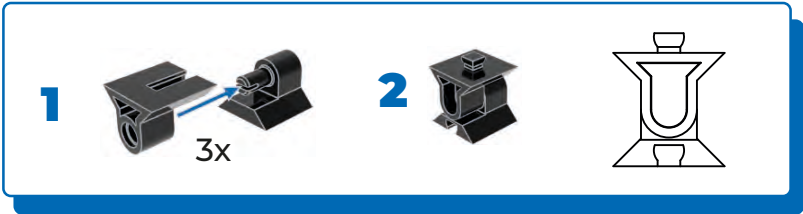
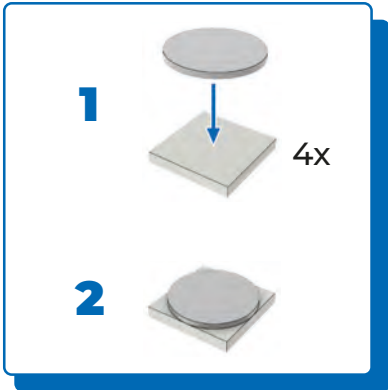
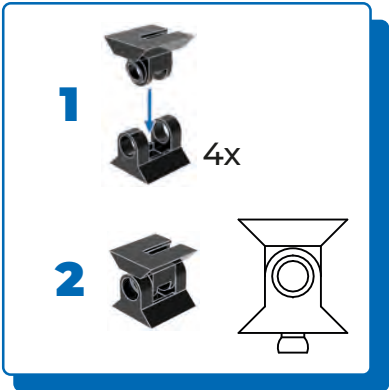
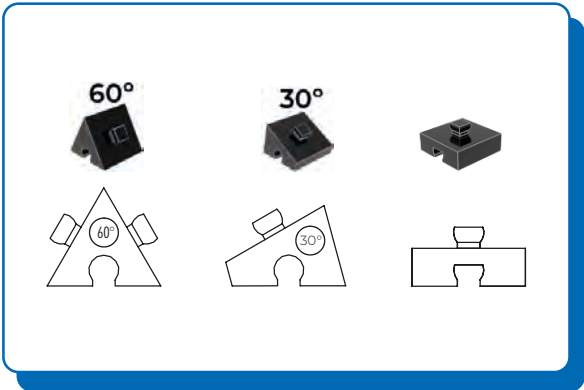
- Achtung! Verletzungsgefahr an Bauteilen mit funktionsbedingten scharfen Kanten und Spitzen!
- Caution! Be careful not to hurt yourself on components with sharp or pointed edges!
- Attention! Risque de blessure sur les éléments comportant des arêtes et o pointes vives indispensables au bon fonctionnement!
- Let op! U kunt zich bezeren aan bouwstenen met scherpe randen of punten!
- Atención! ¡cuidado, no te hagas daño con los componentes con bordes afilados o puntiagudos!
- Atenção! Perigo de ferimentos em peças componentes com cantos vivos e pontas obrigatórios para o funcionamento !
- Attenzione! Pericolo di lesioni dovute a componenti con spigoli vivi e punte per motivi funzionali!
- Будьте осторожны! Об острые края деталей и и наконечники можно порезаться!
- 注意！
因功能需要而带有锋利的棱边和尖角的部件可能会带来受伤危险！

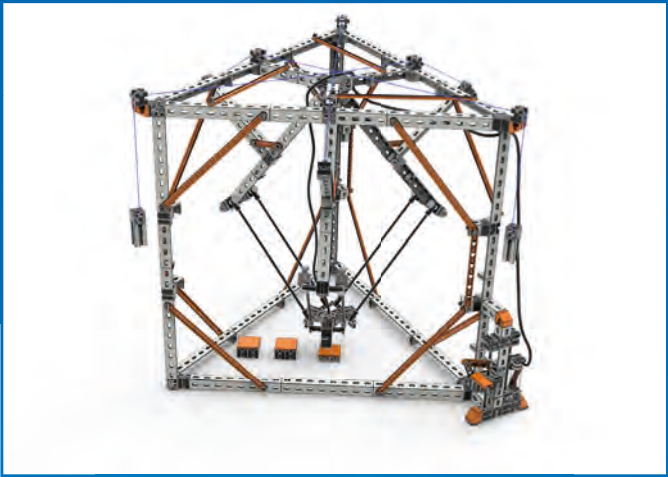


Montagetipps
Tips for assembly
Tuyaux pour le montage

Montagetipps
Consejos para el montaje
"Dicas" para montagem

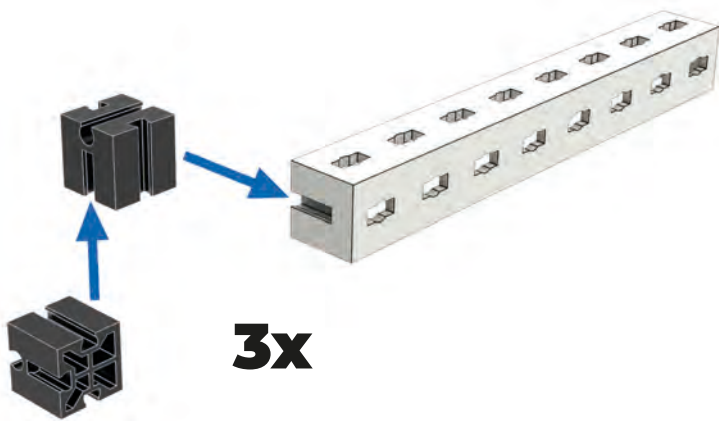
Consigli per il montaggio
Советы по сборке
装配建议



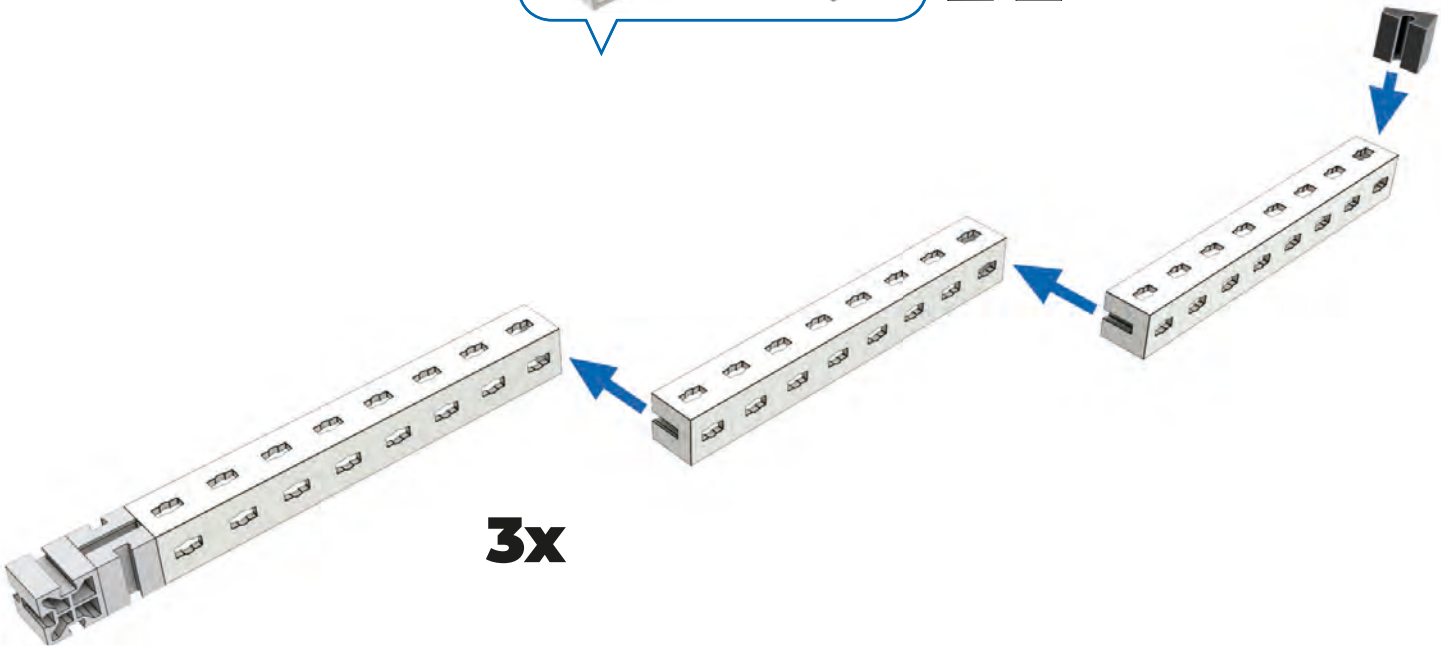


Tripot Kralle
Tripot Grabber

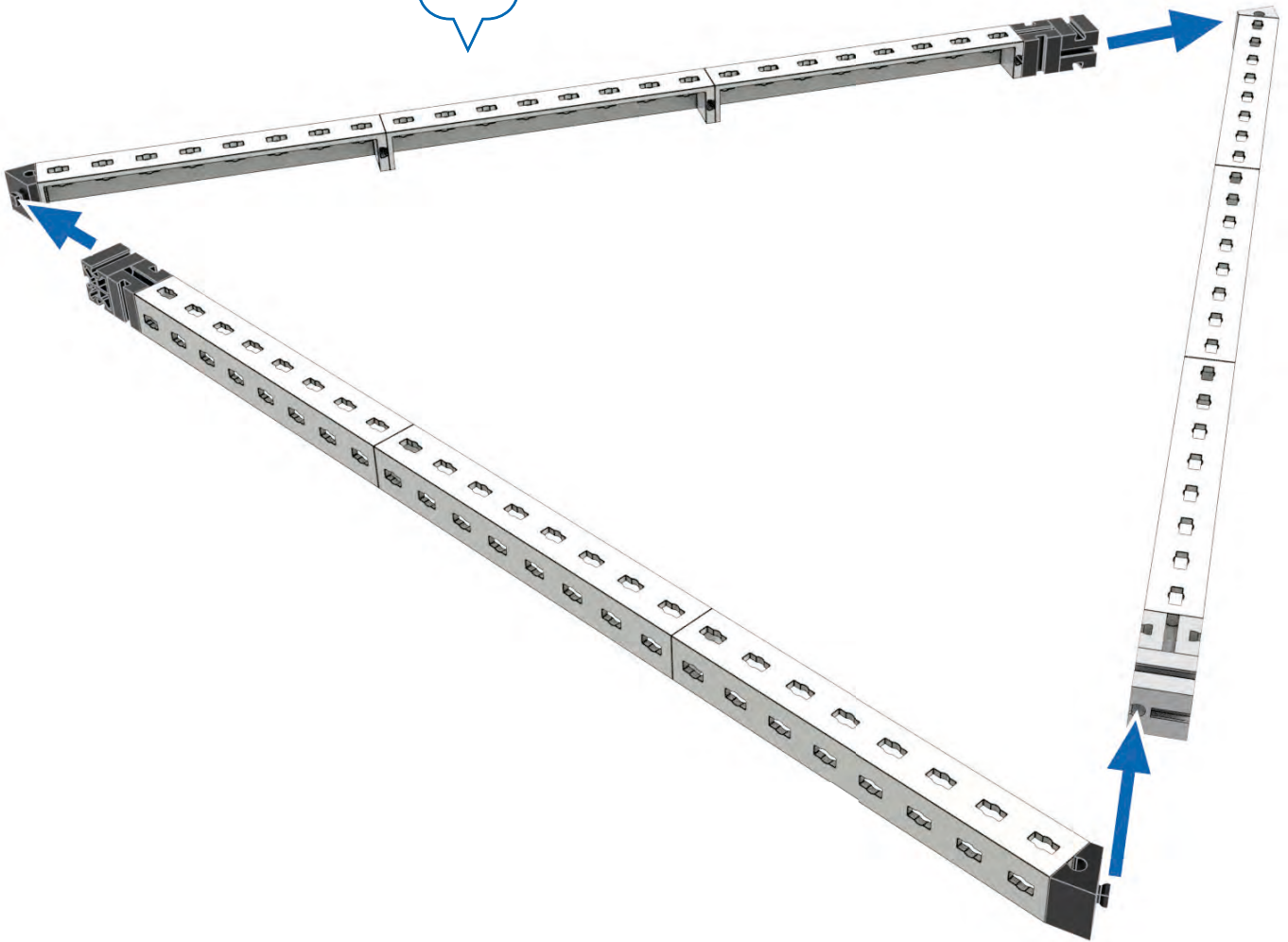
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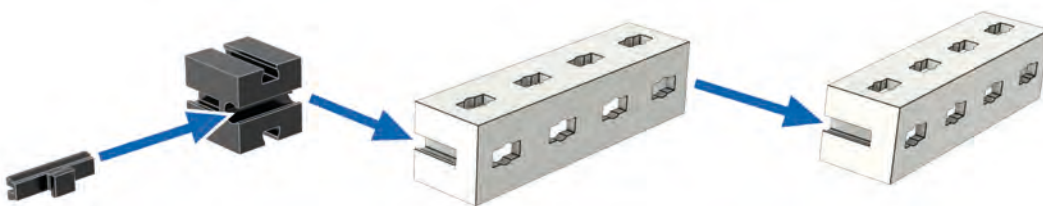
- 2**  6x  3x 



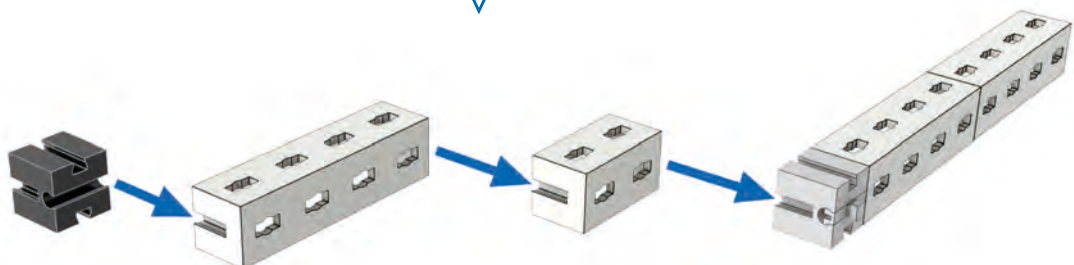
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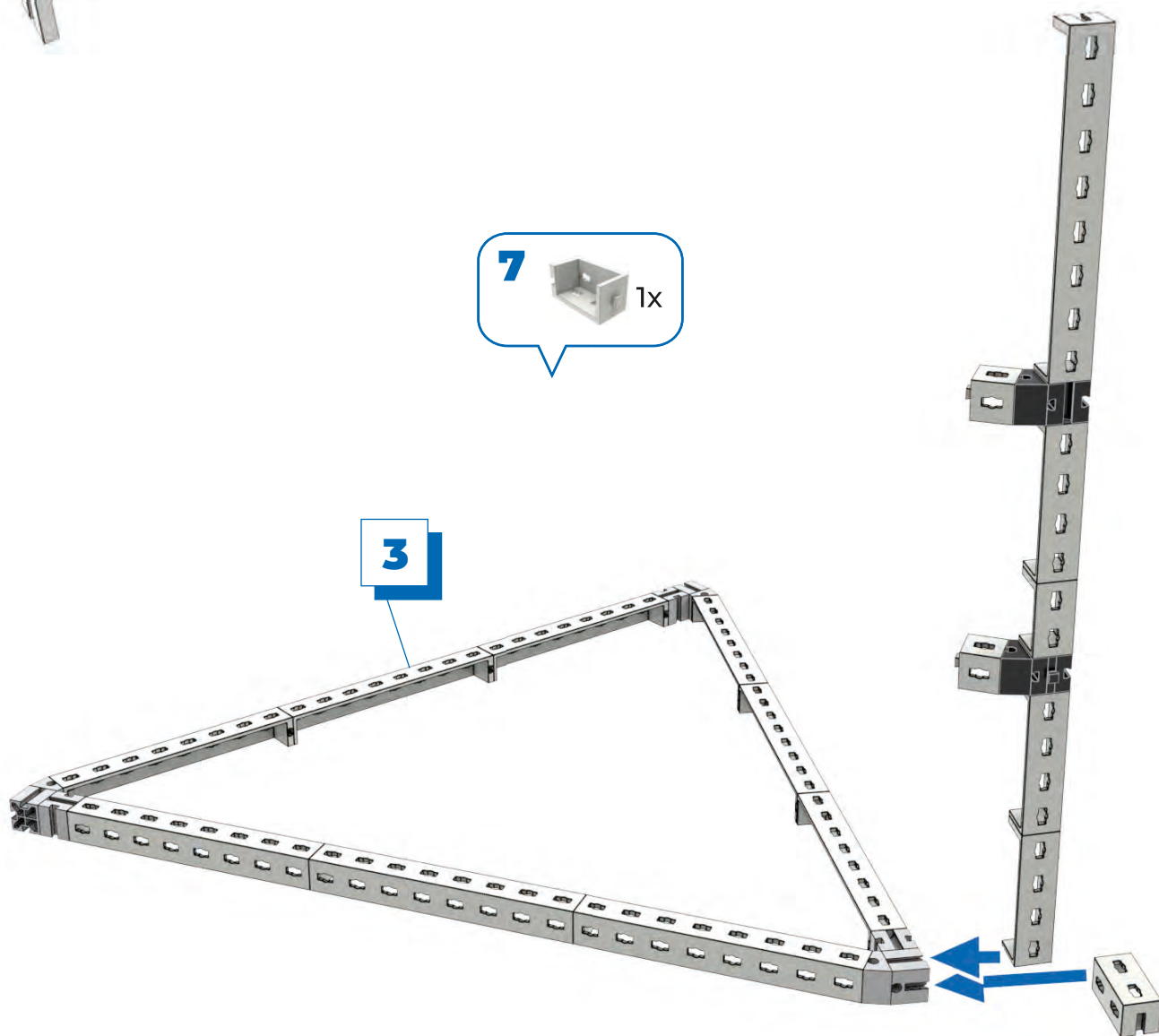
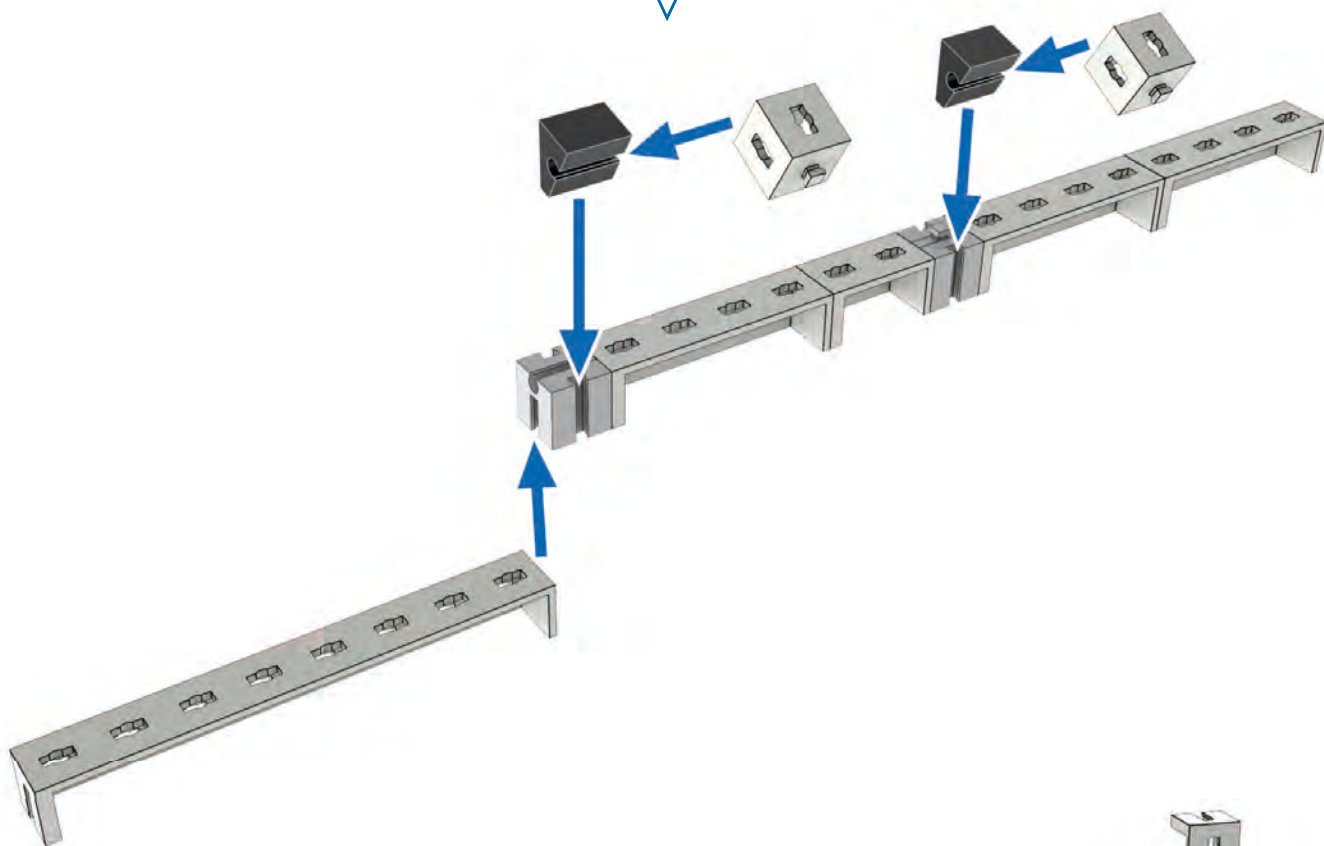
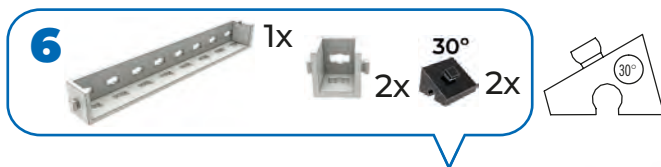


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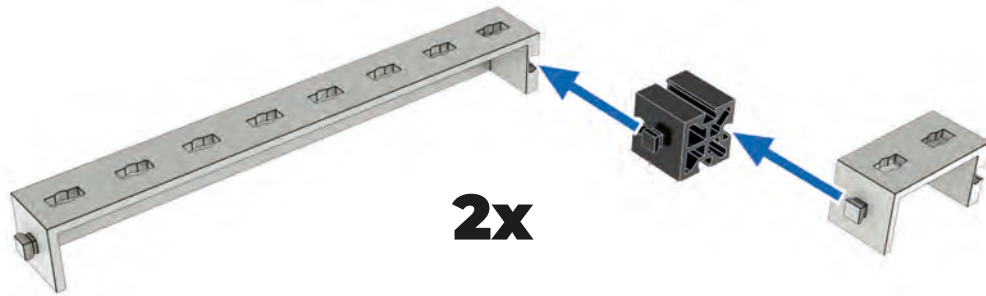


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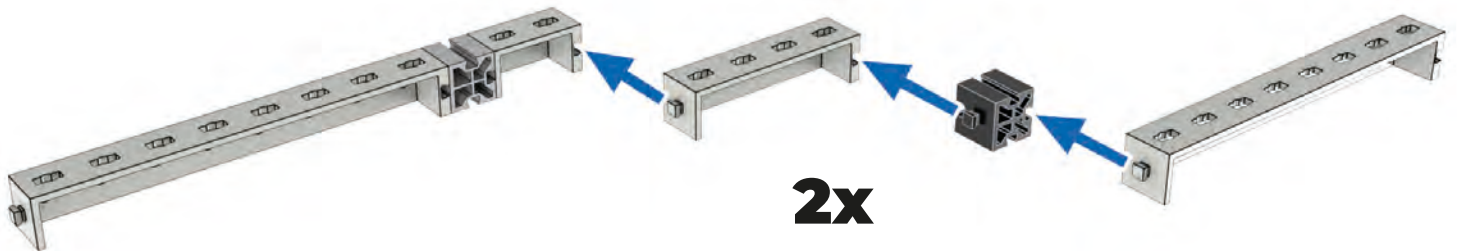




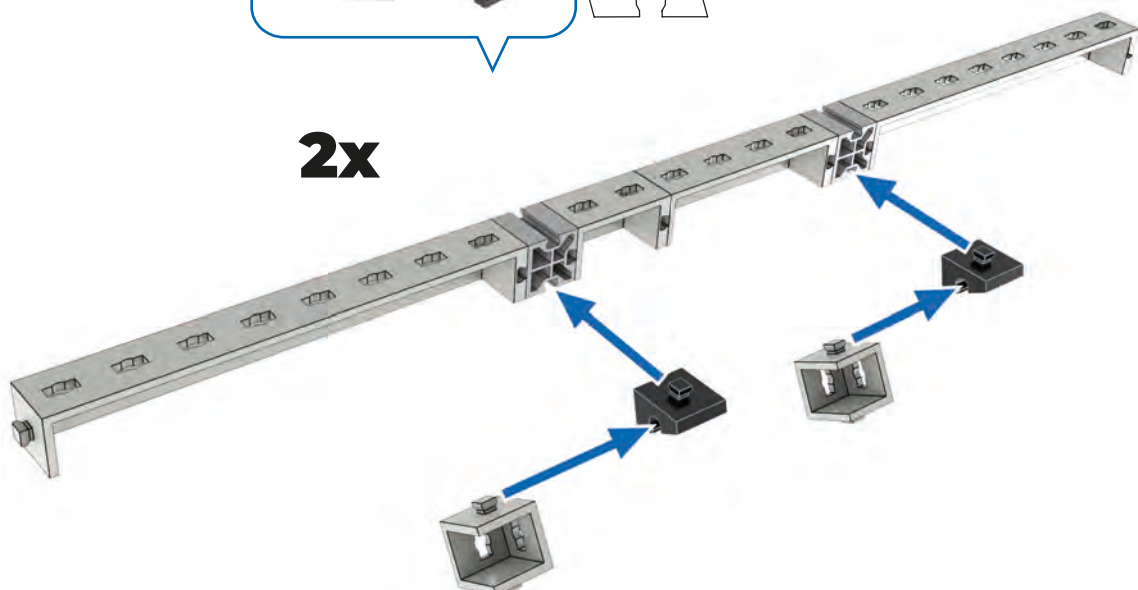
8 2x 2x 2x 2x

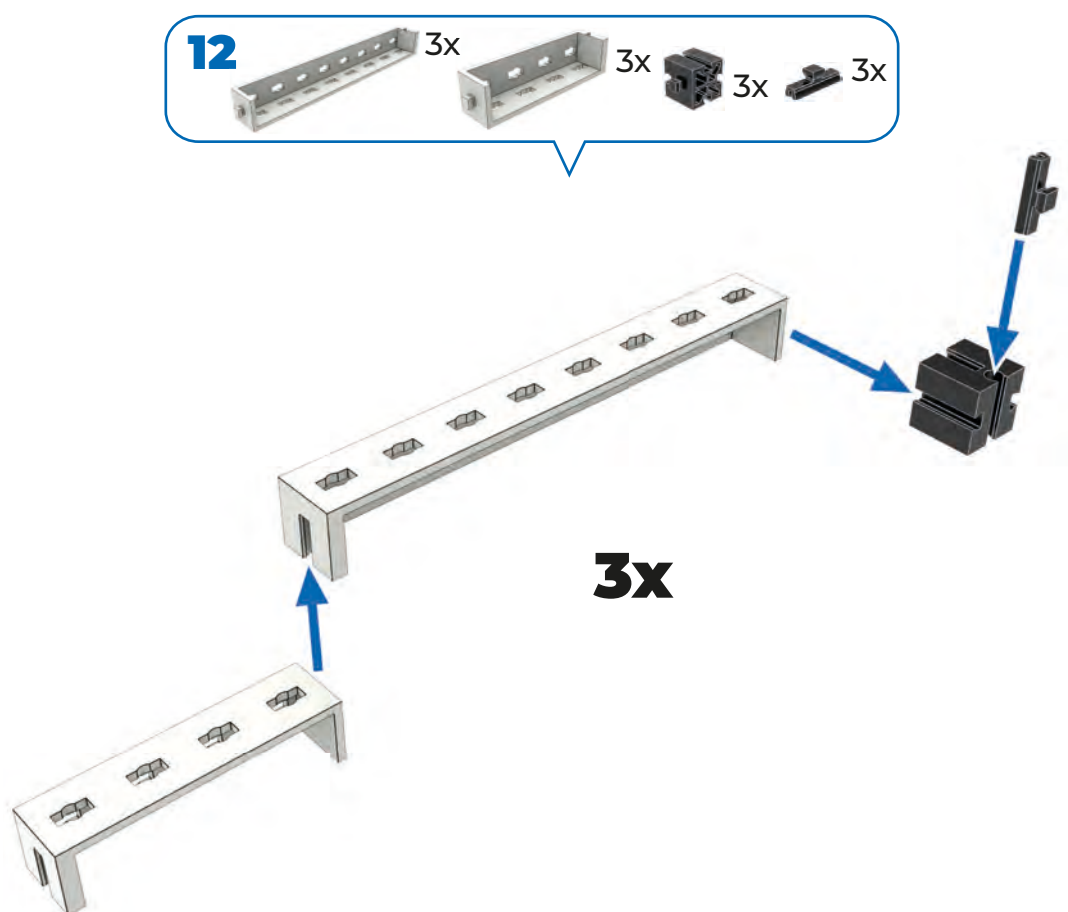
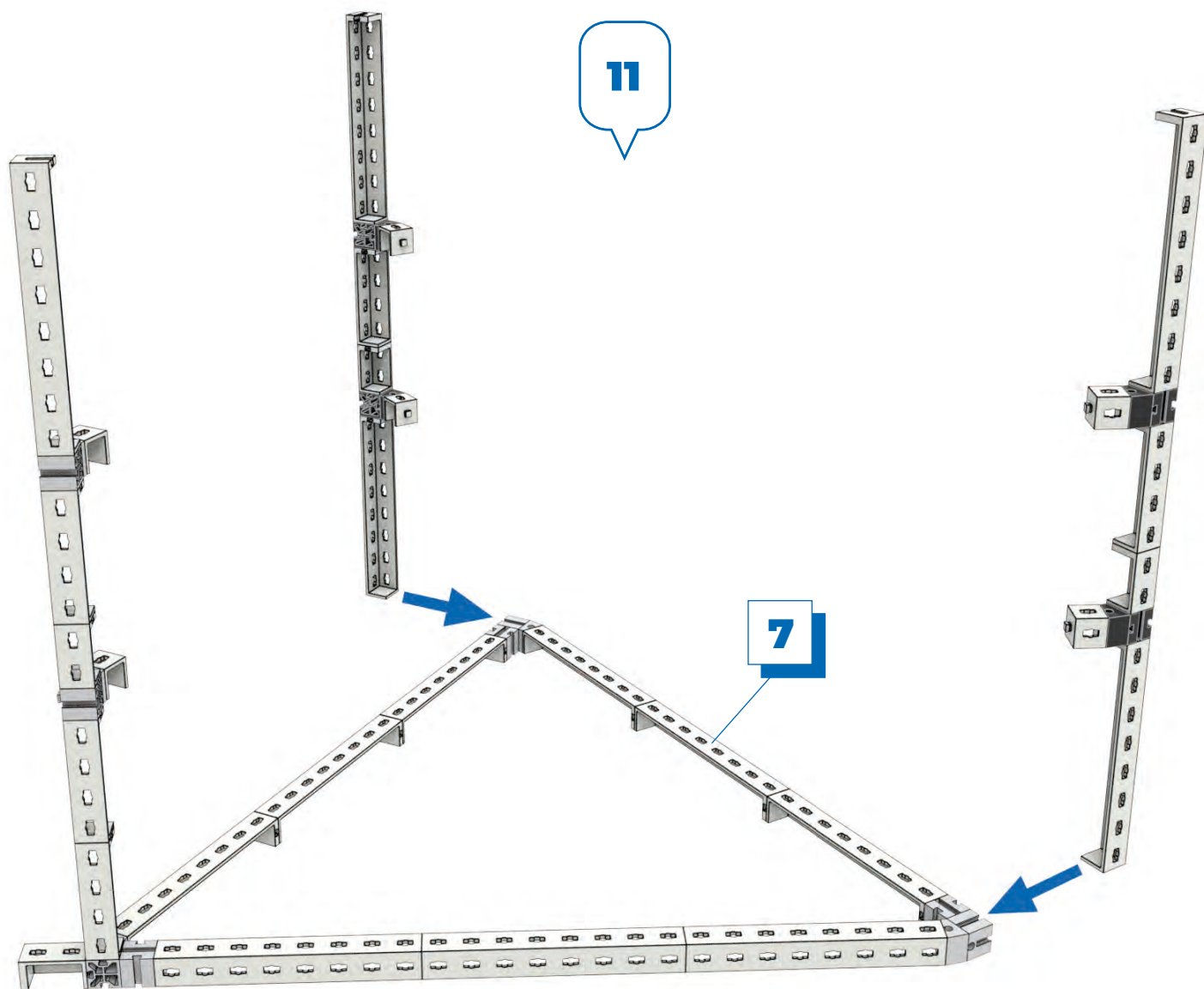


9 2x 2x 2x



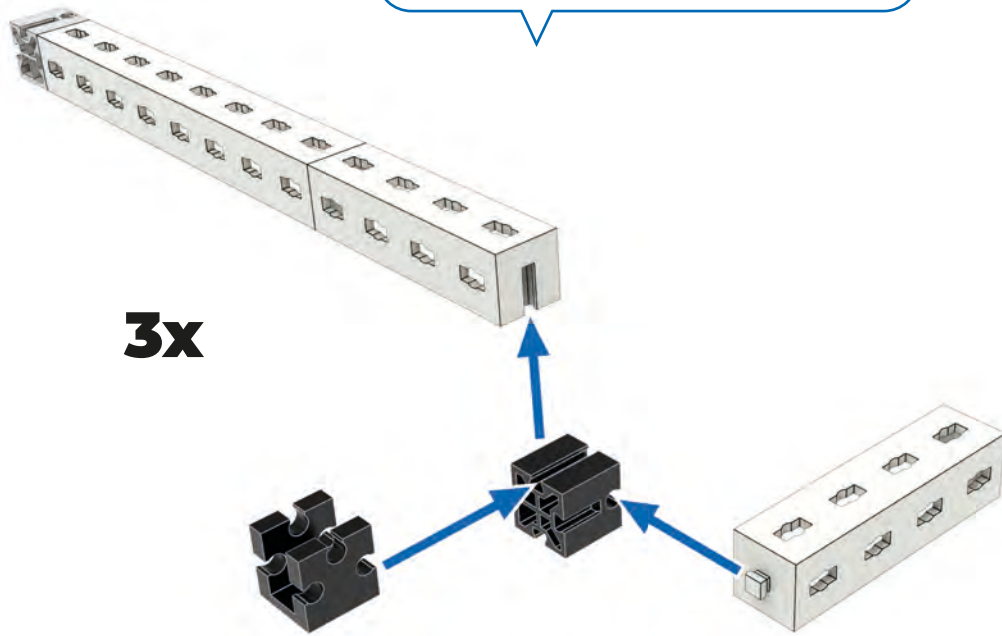
10 4x 30° 4x





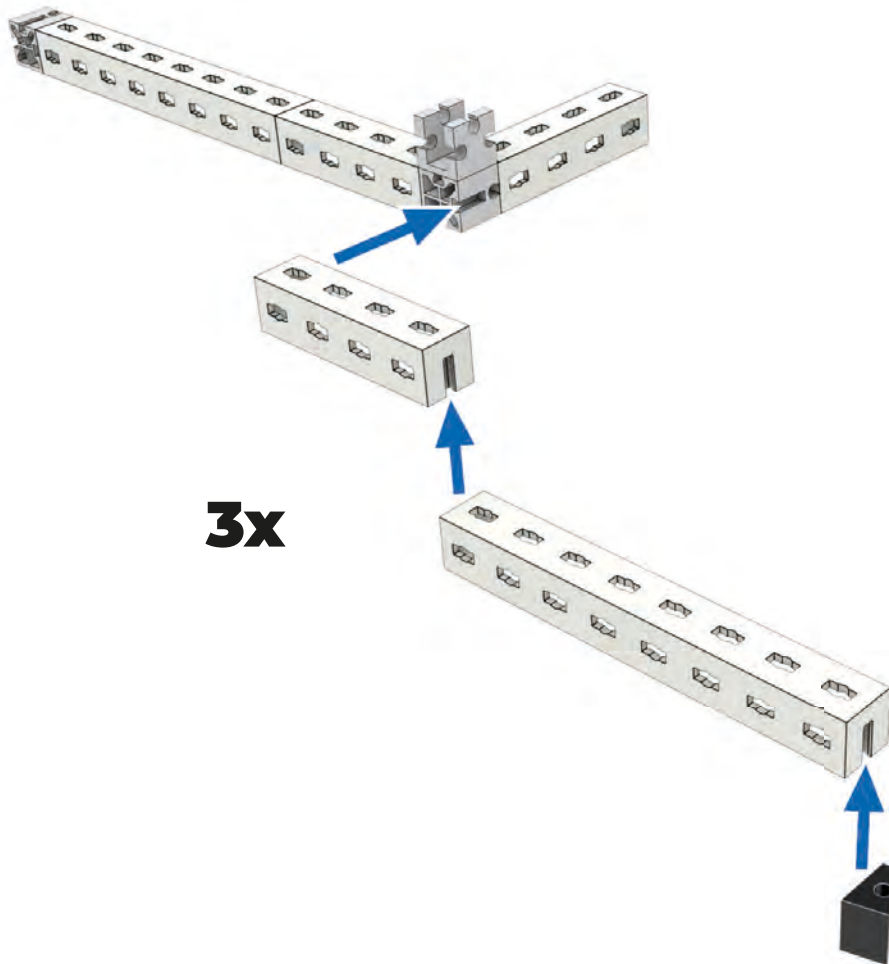
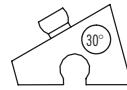
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3x 3x 3x 3x

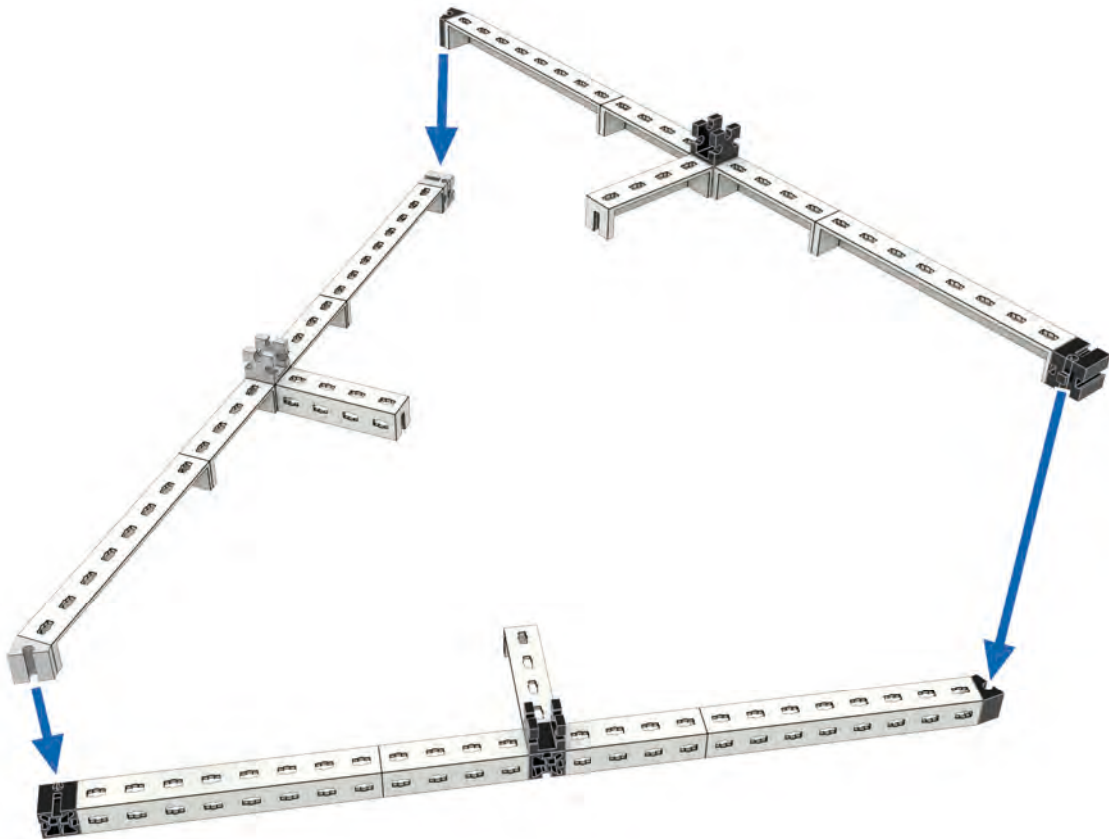


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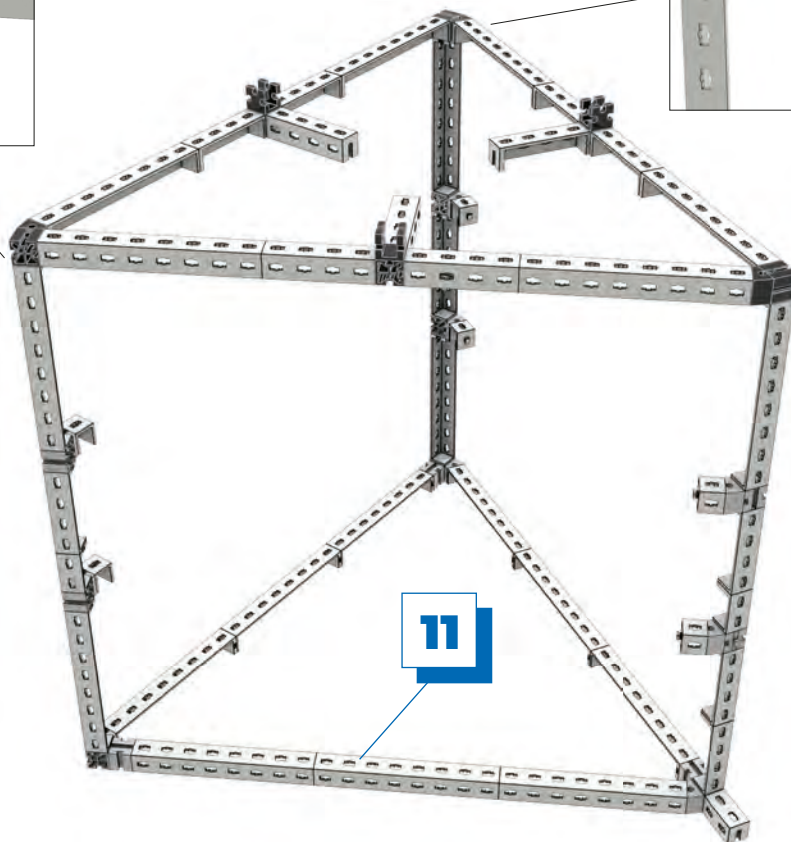
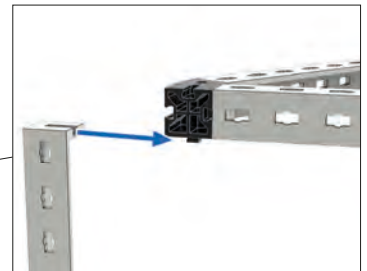
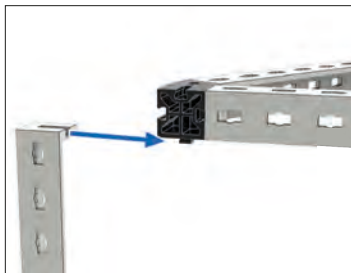
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15



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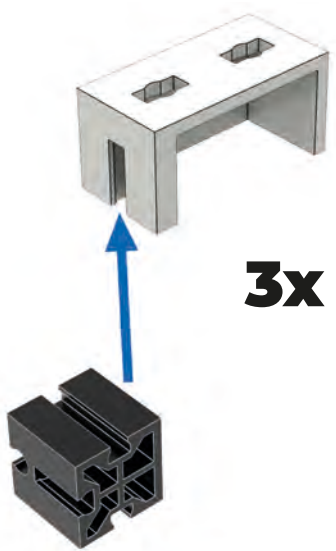


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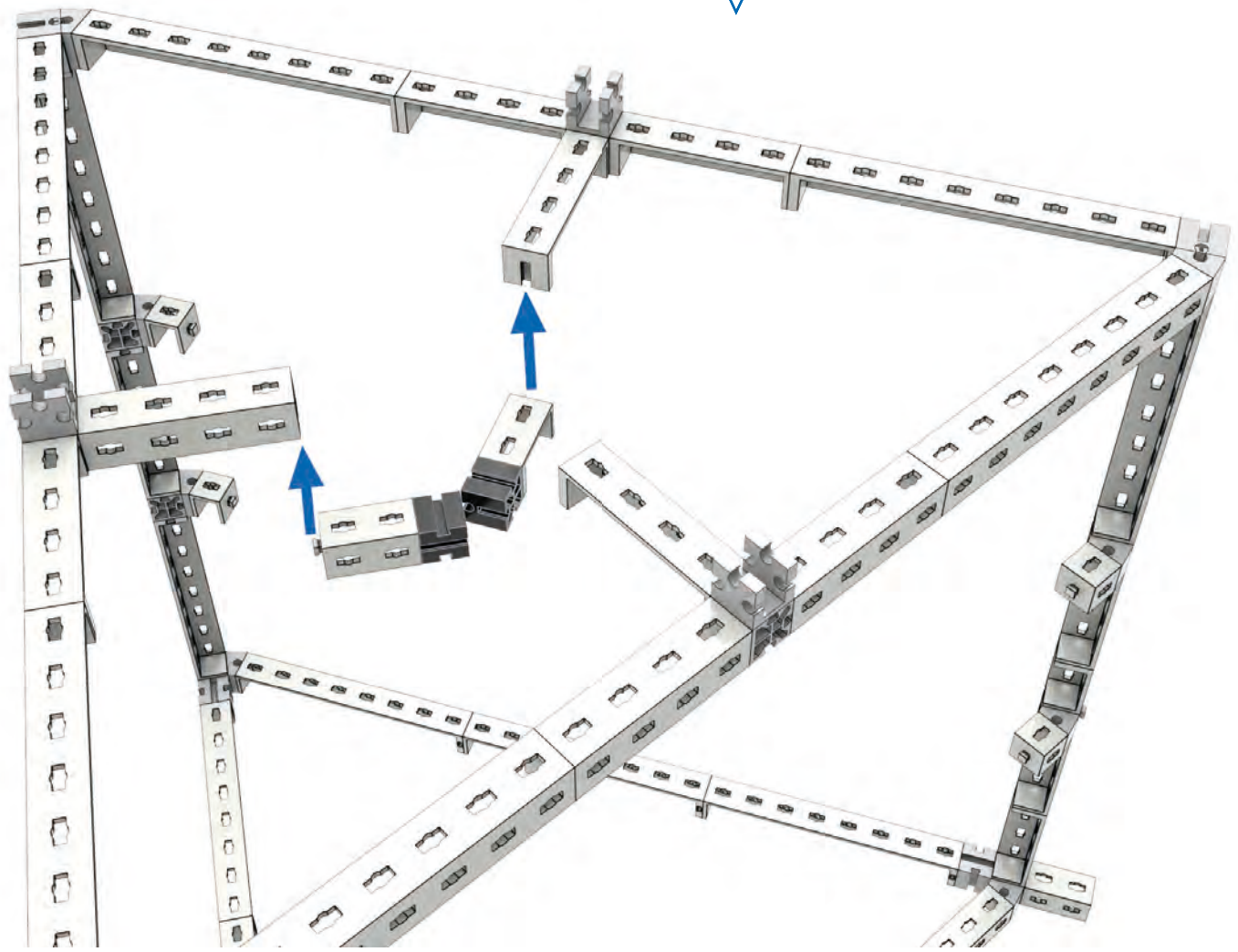
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3x 3x



18



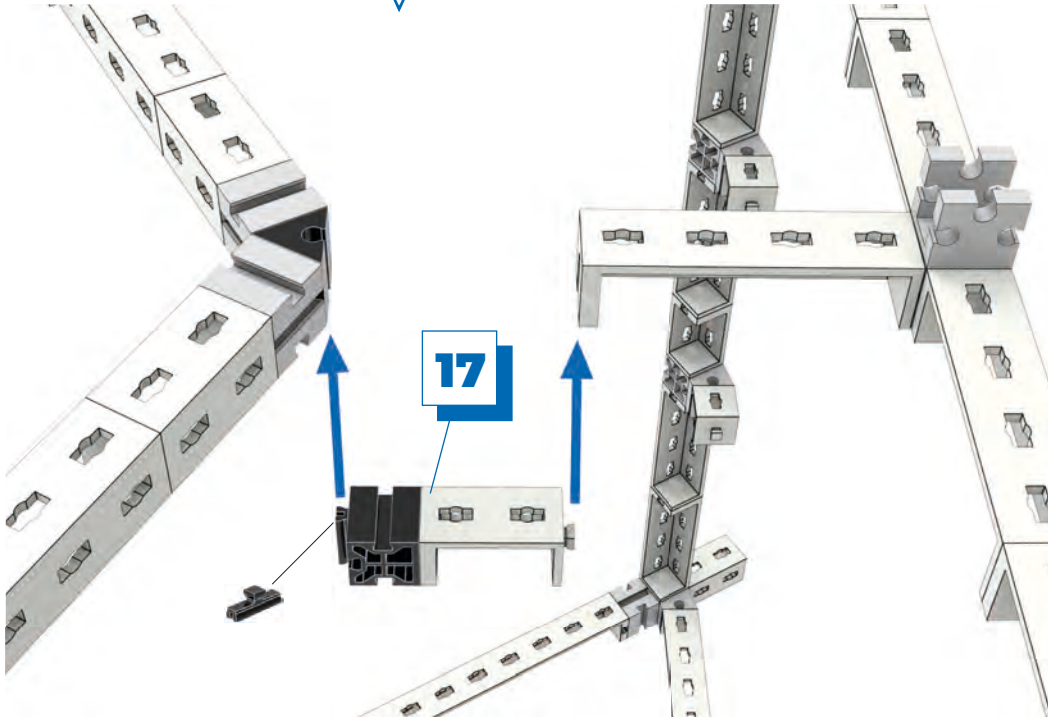
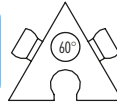
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1x



1x



17

20

169,6

4x

105

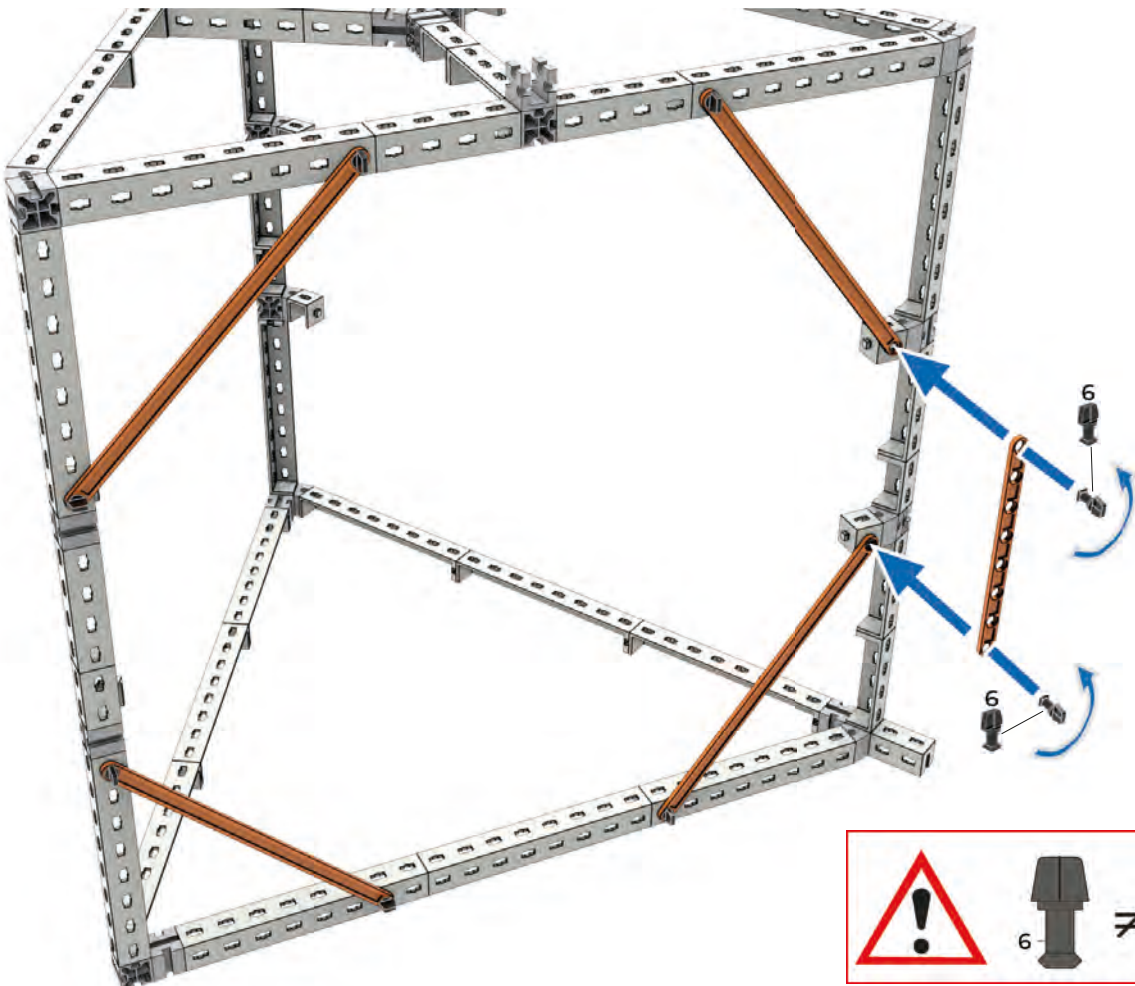
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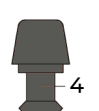
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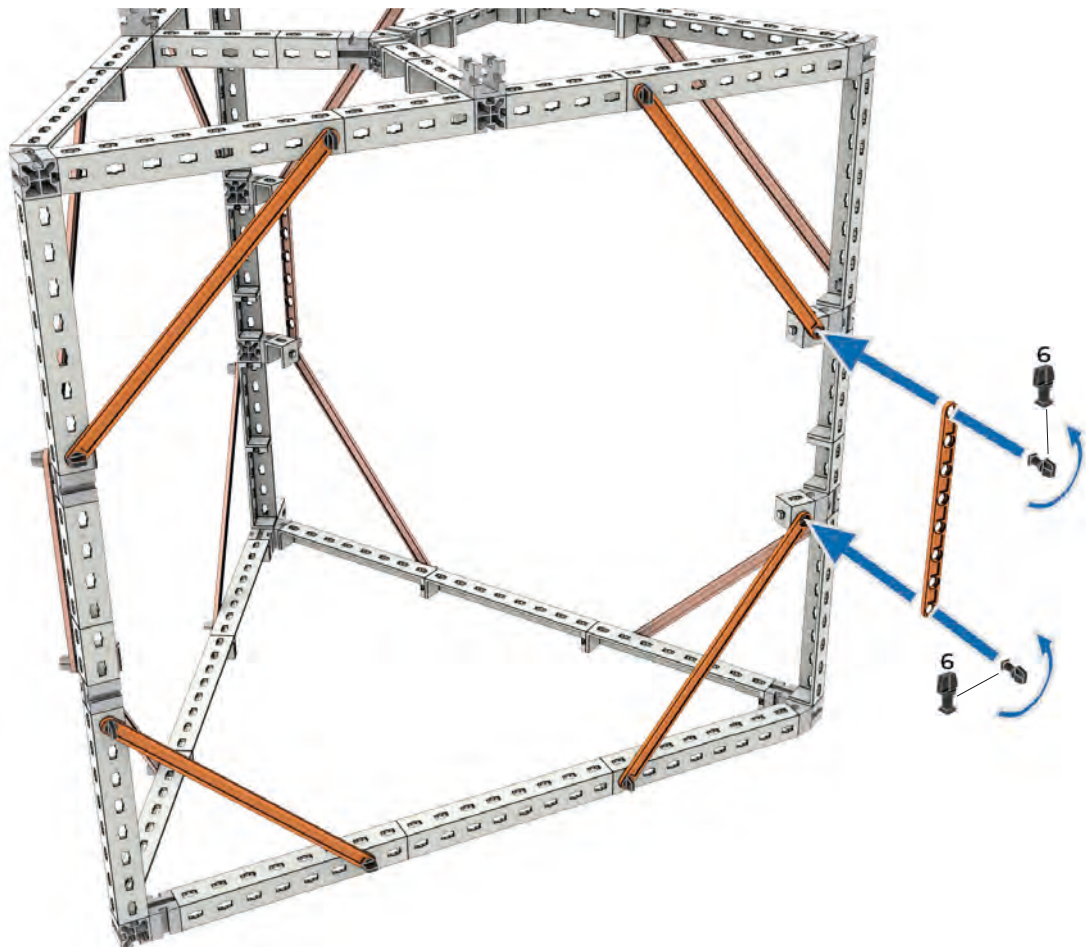
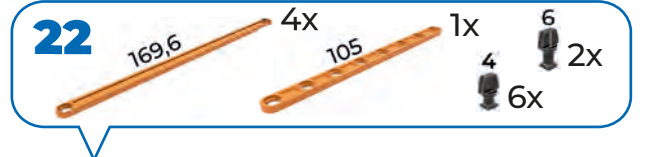
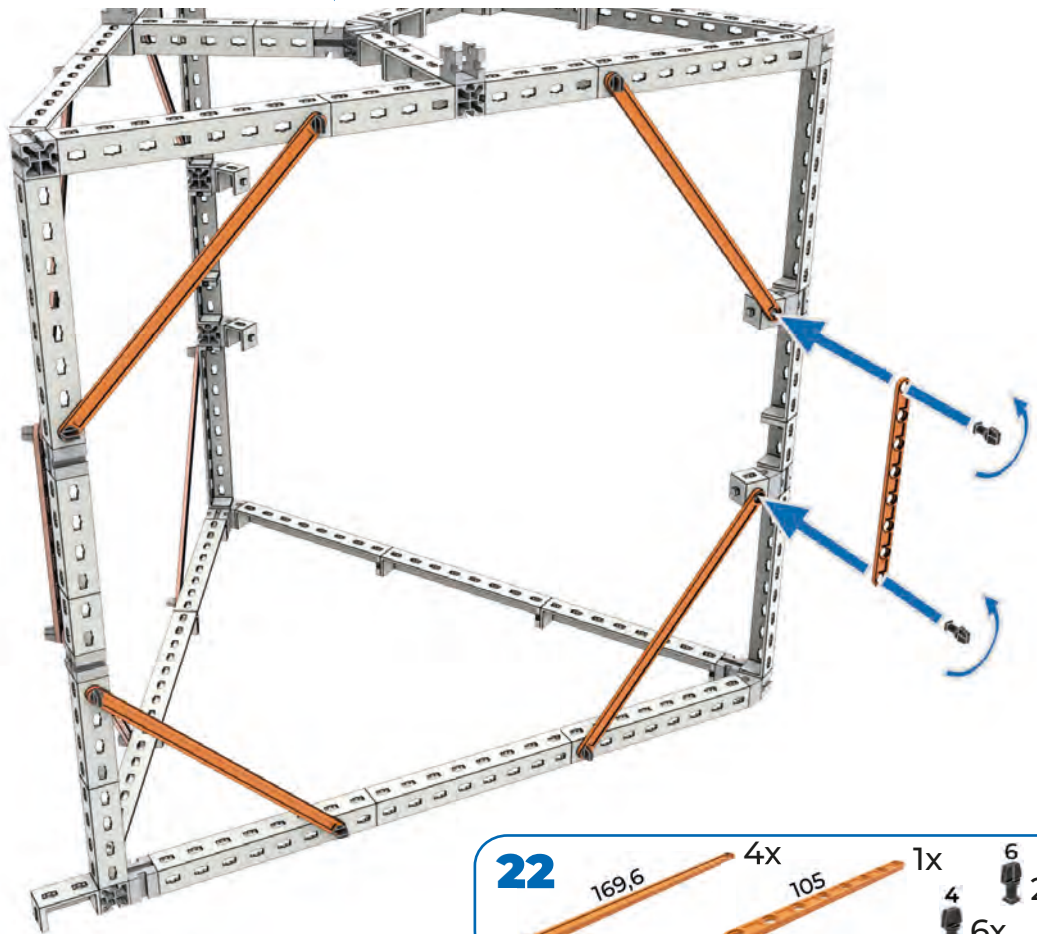
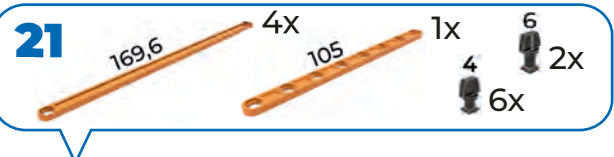
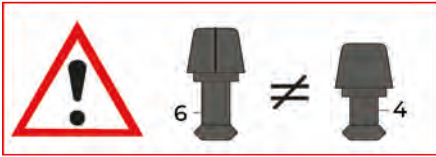
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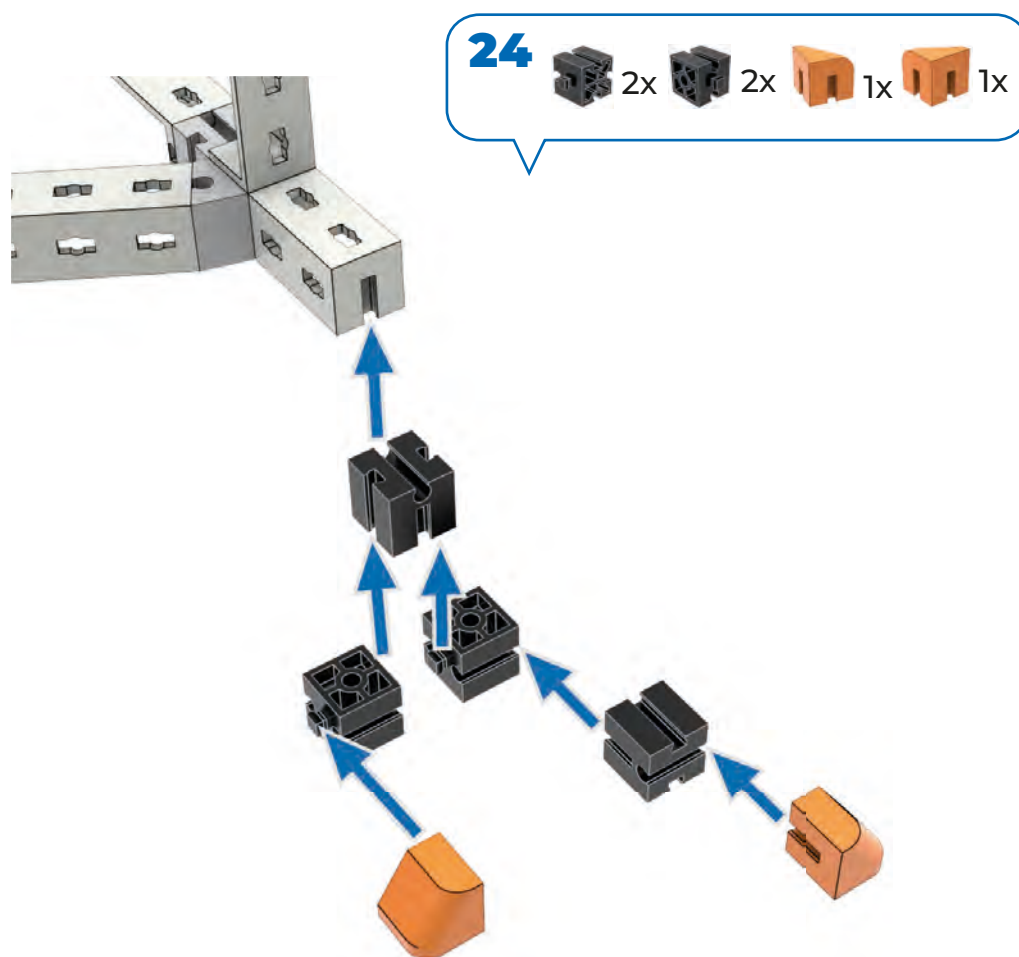
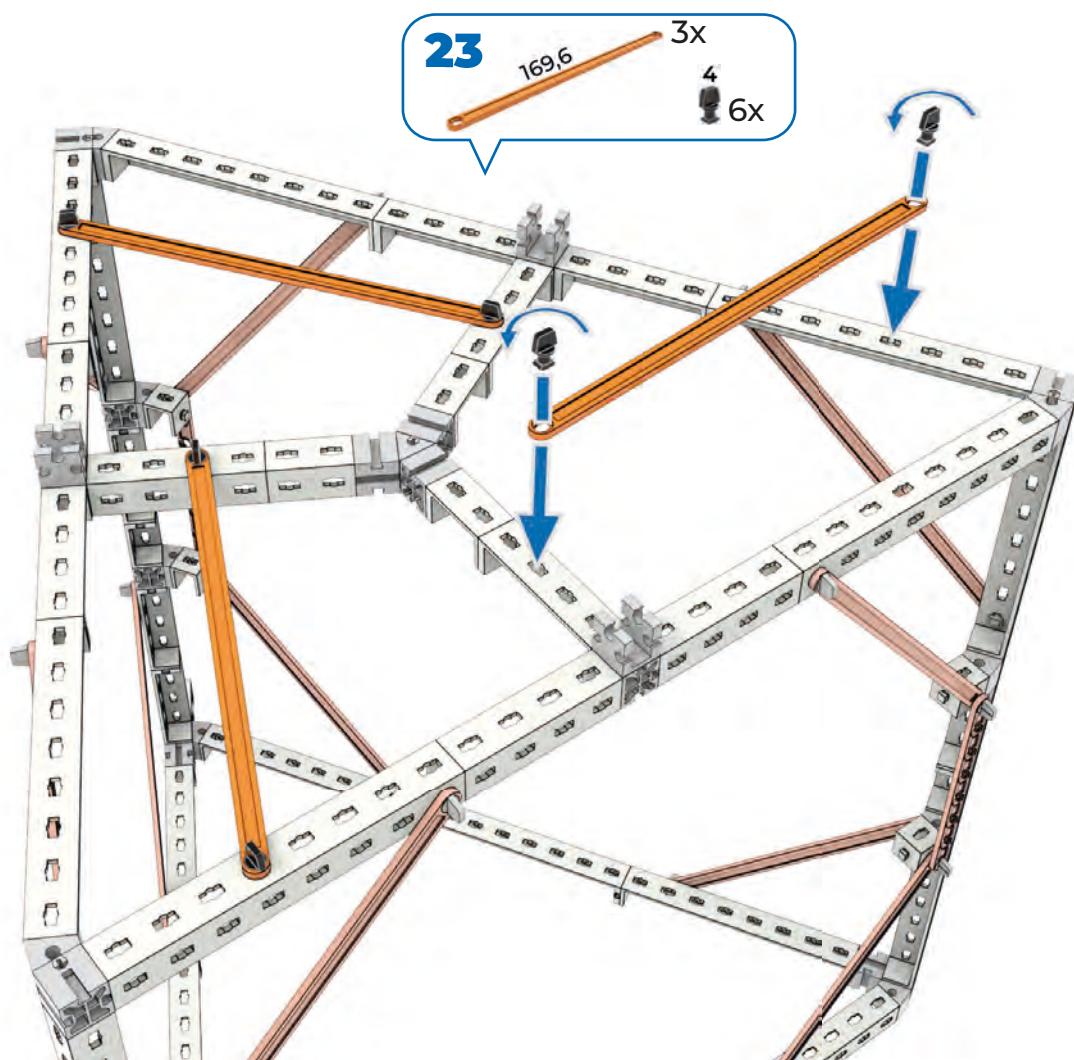
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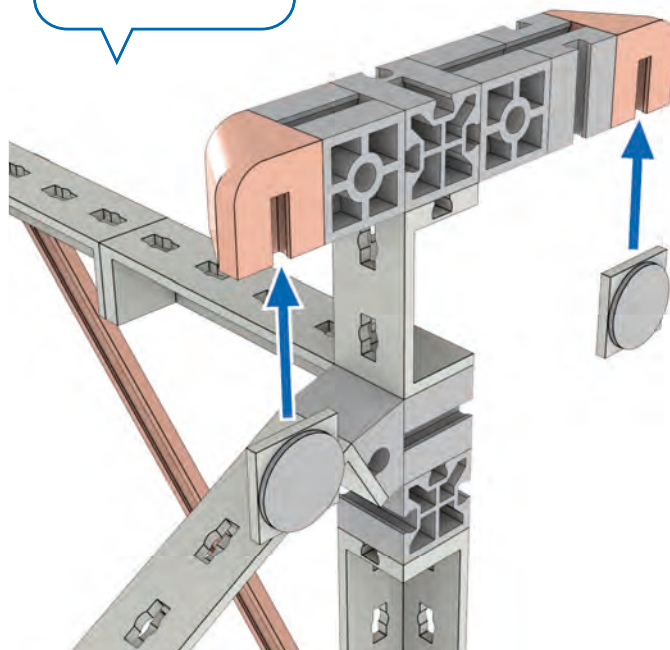
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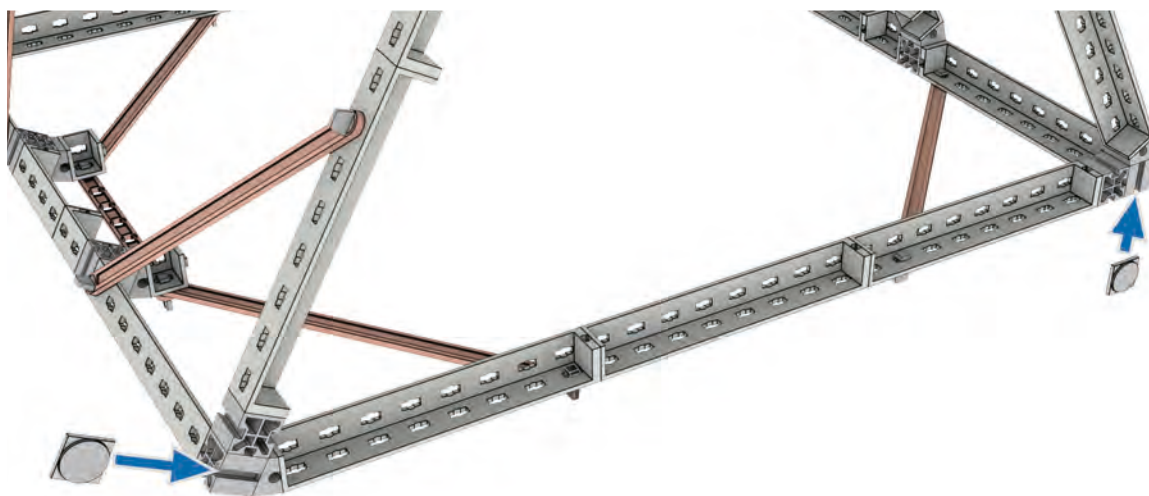




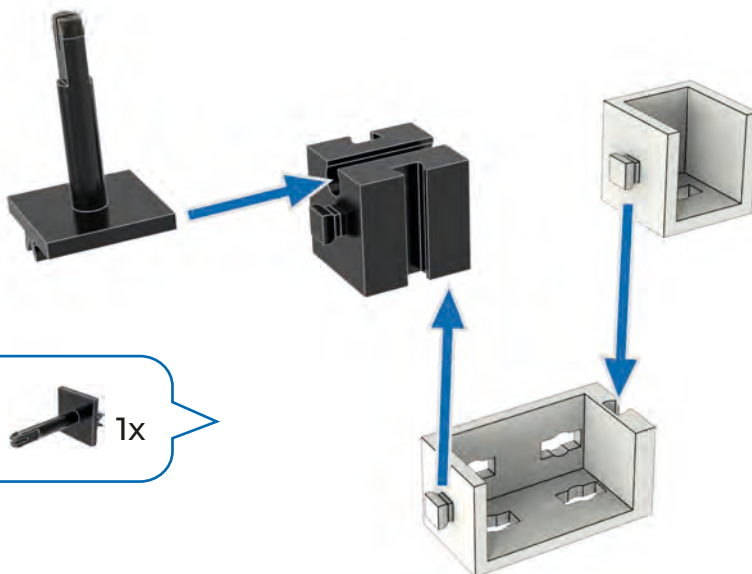
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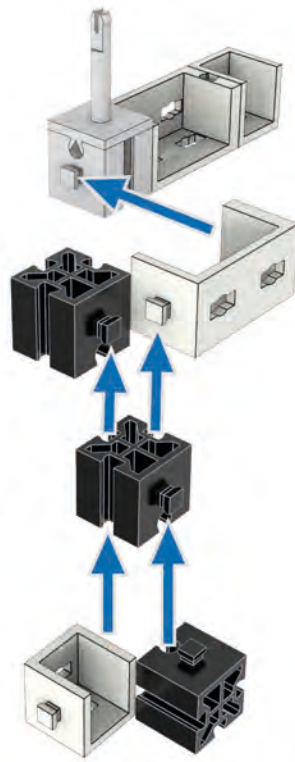
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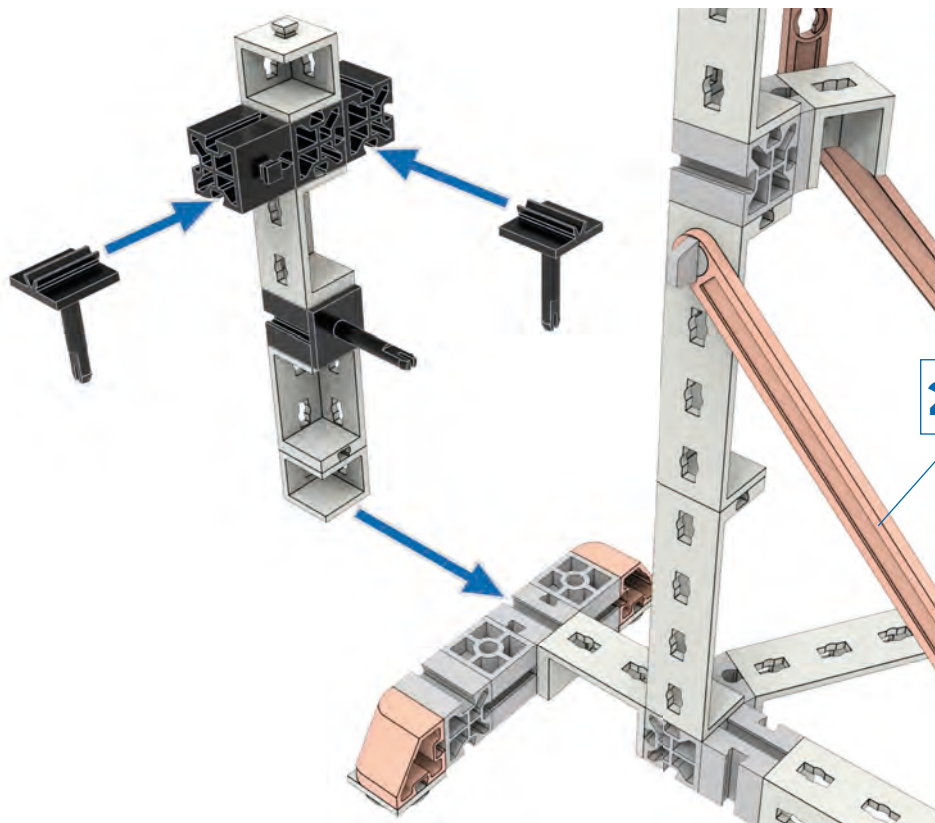
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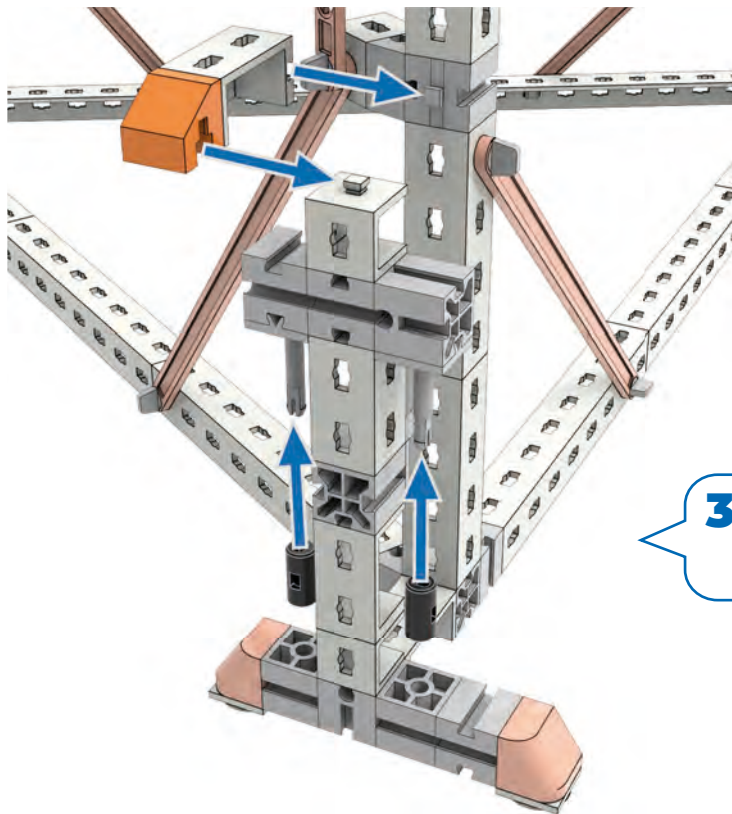


28 1x 1x 1x 3x



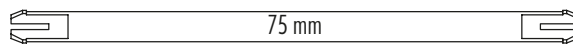
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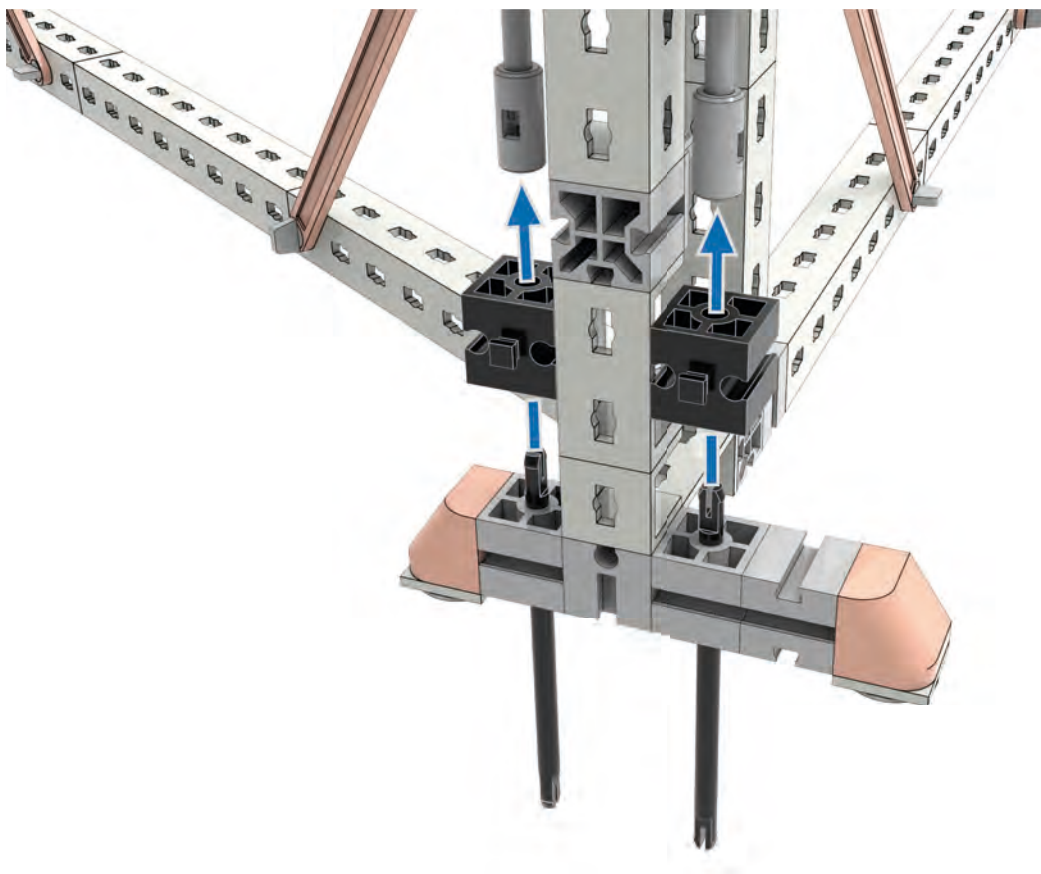
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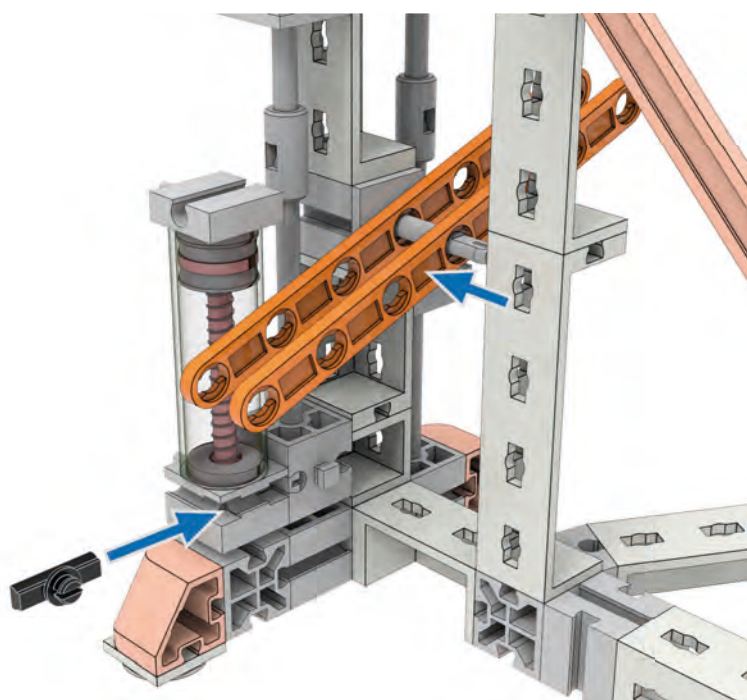
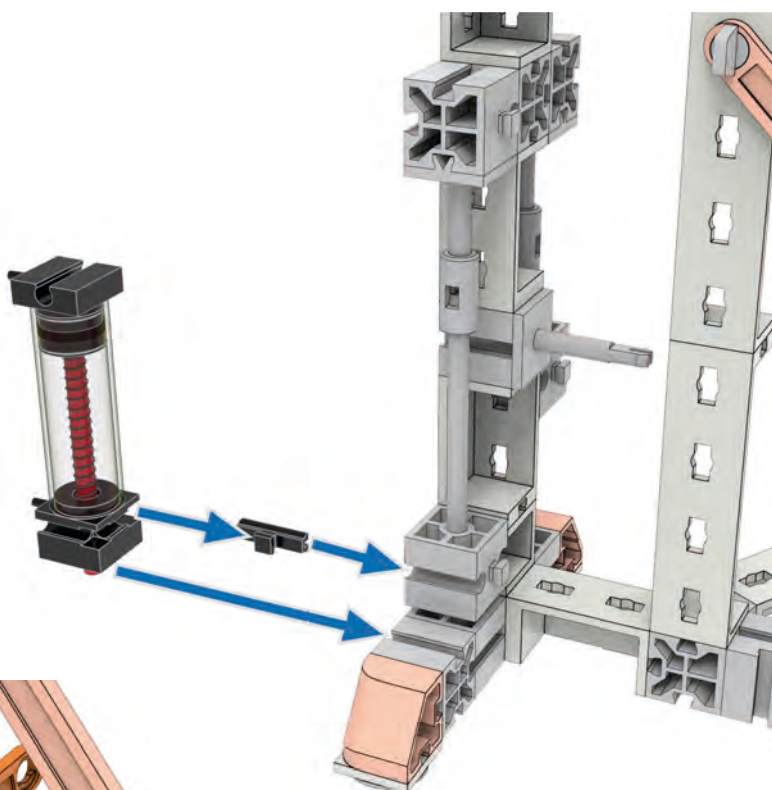


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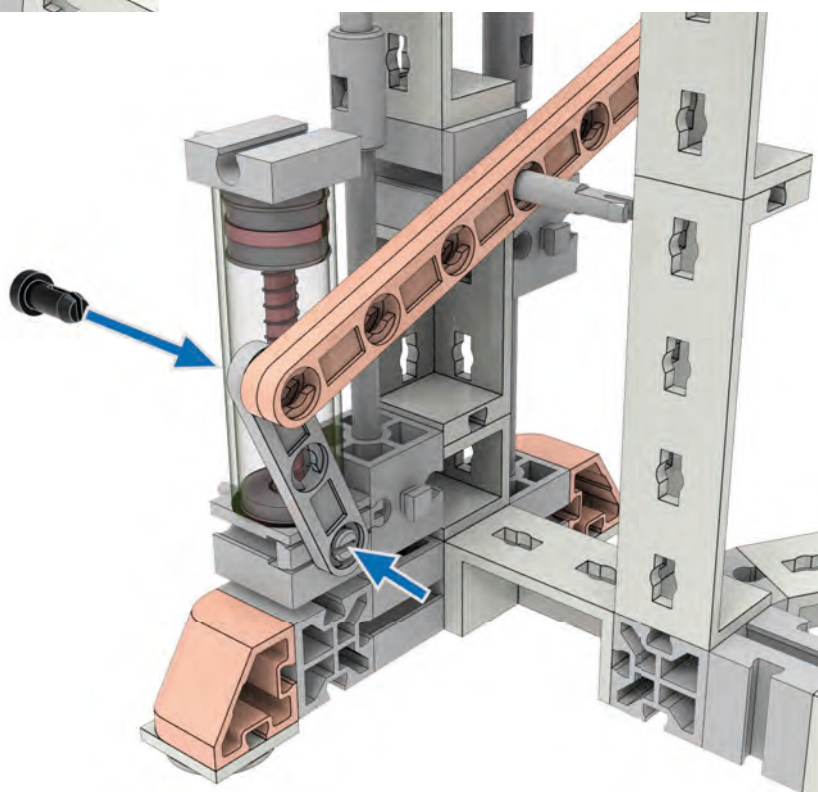
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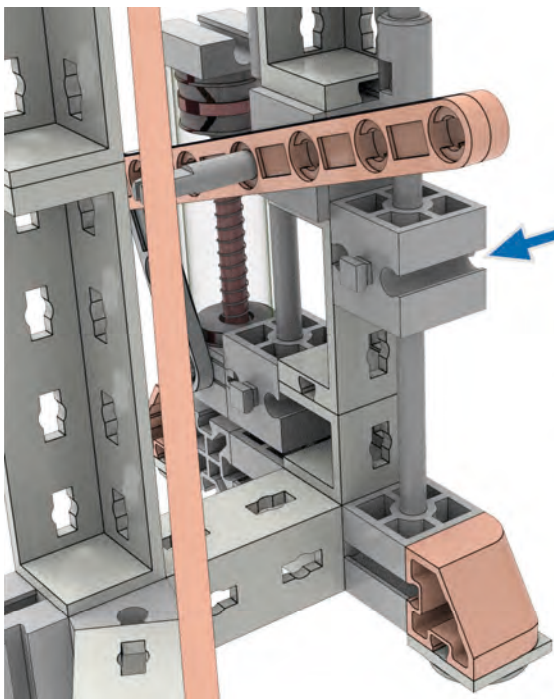


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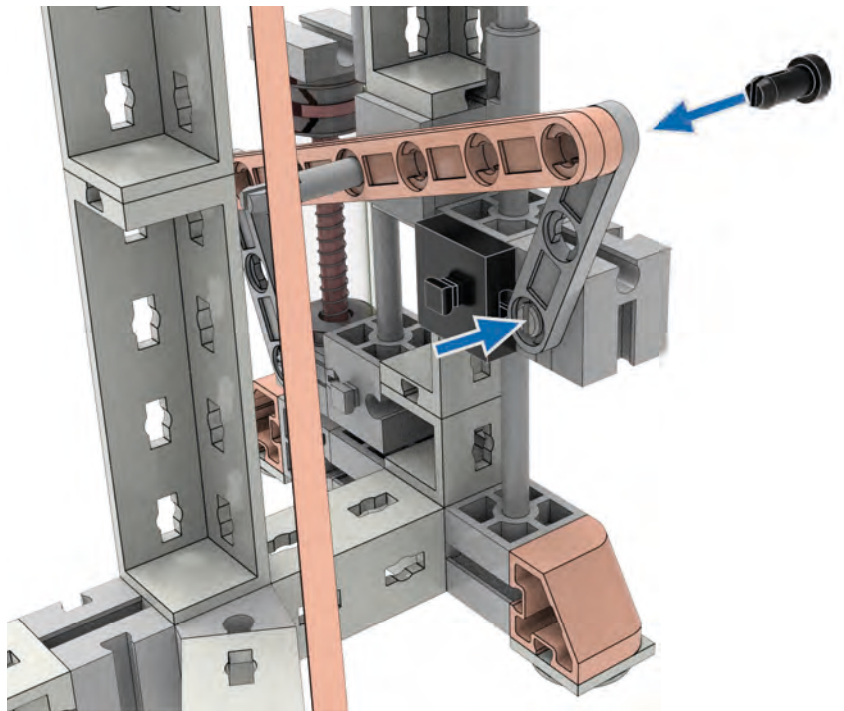


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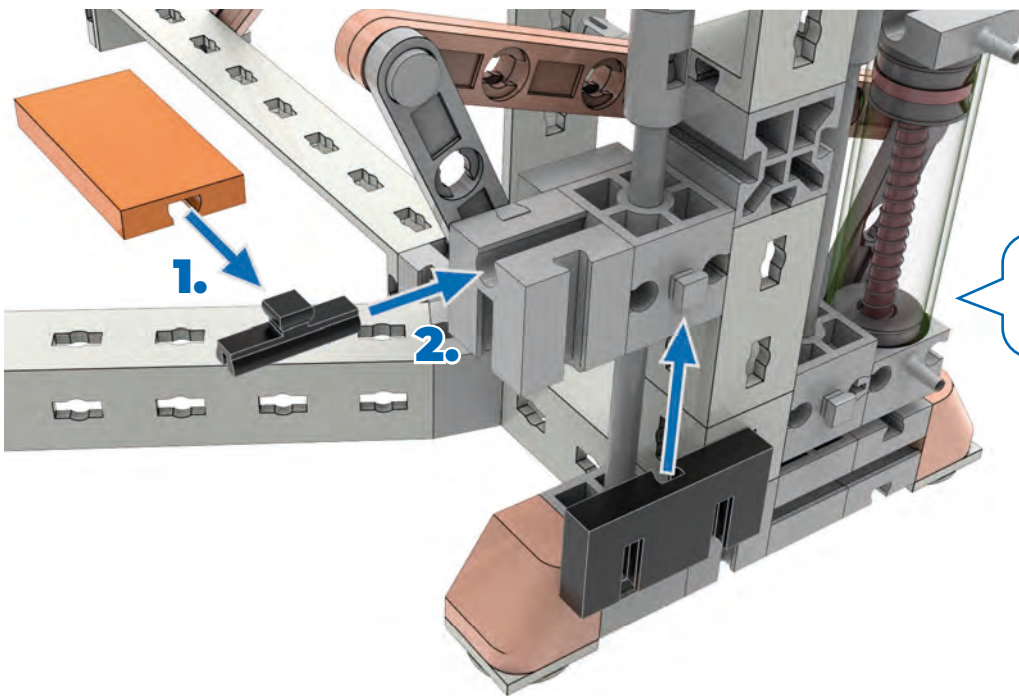




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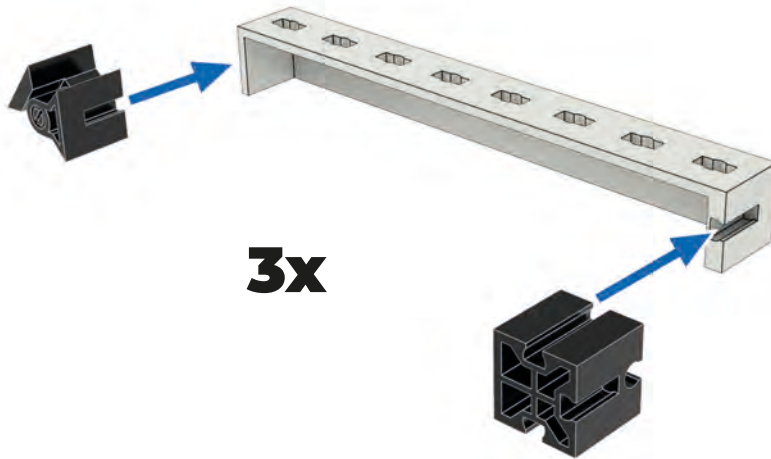
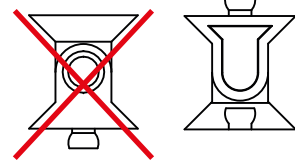


36 1x 30 1x 1x

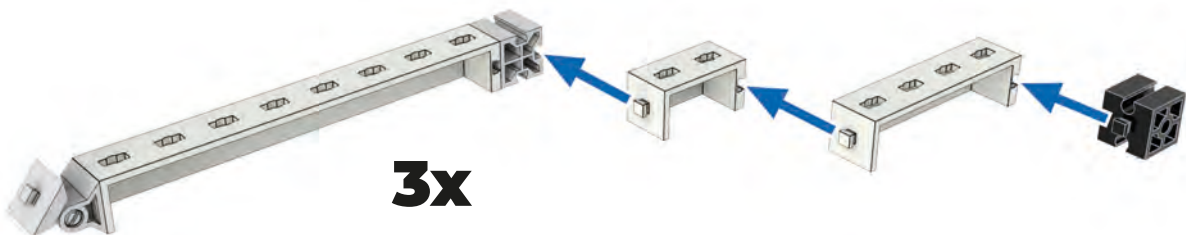


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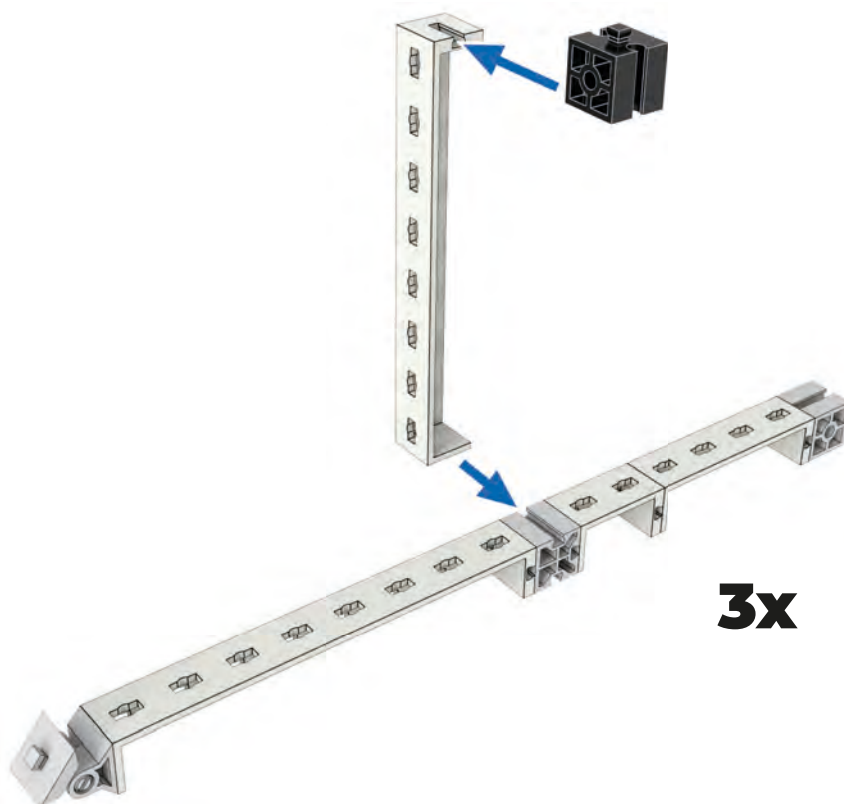
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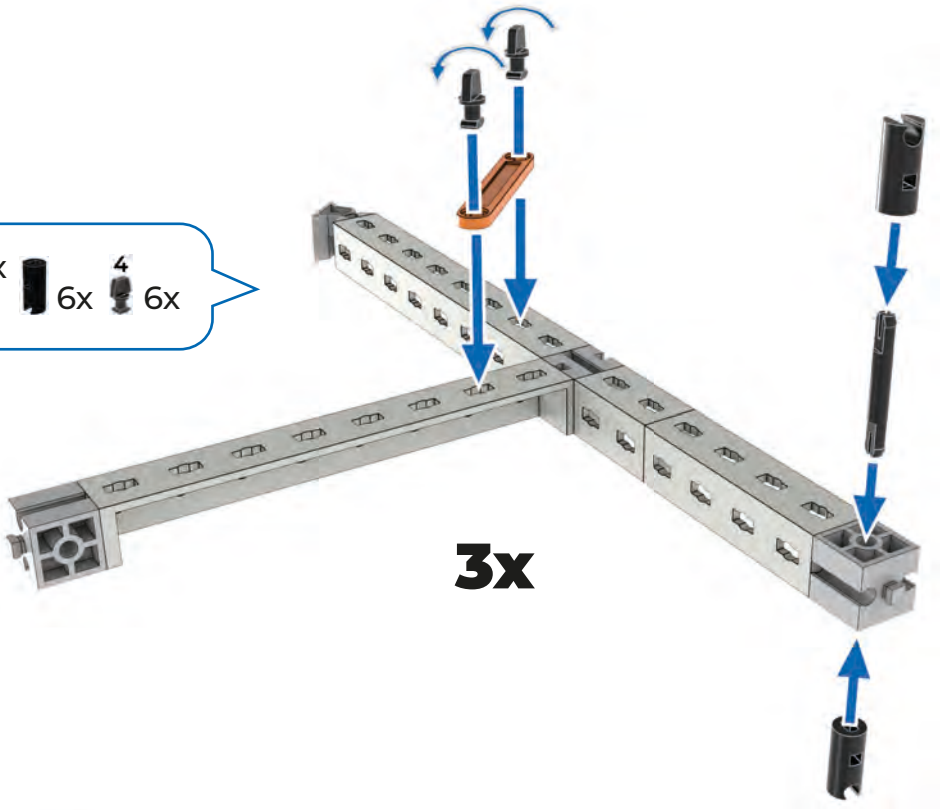
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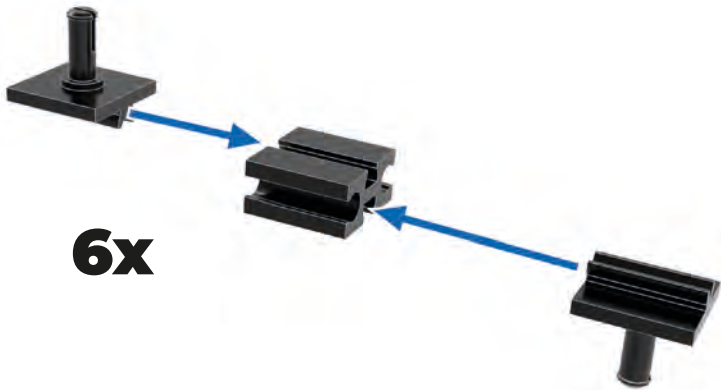
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- 41** 42, 4 3x 30 3x 6x 4 6x

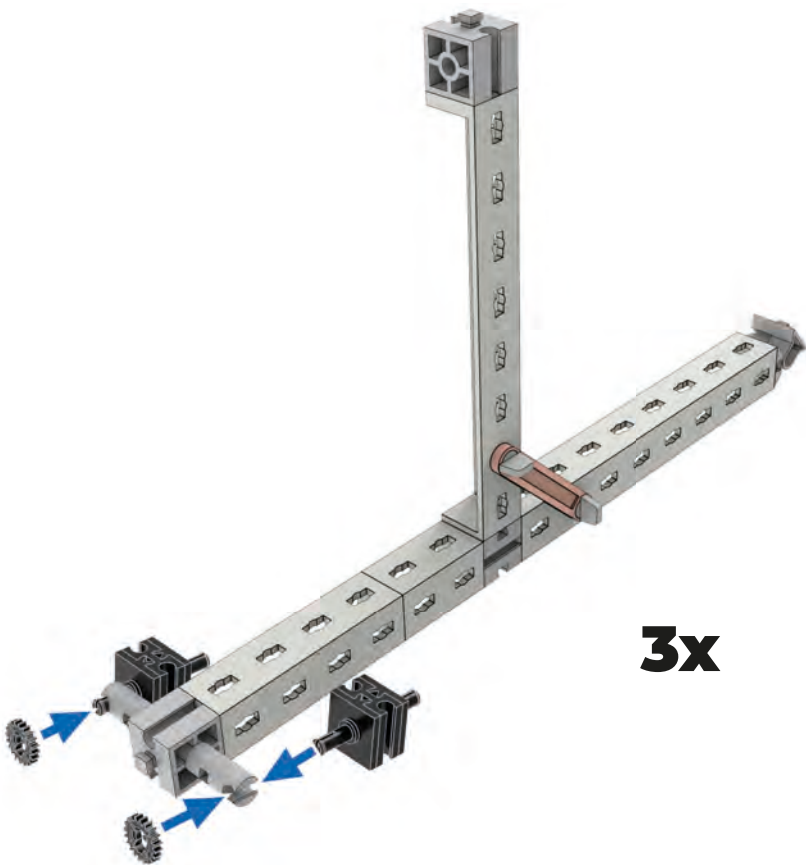


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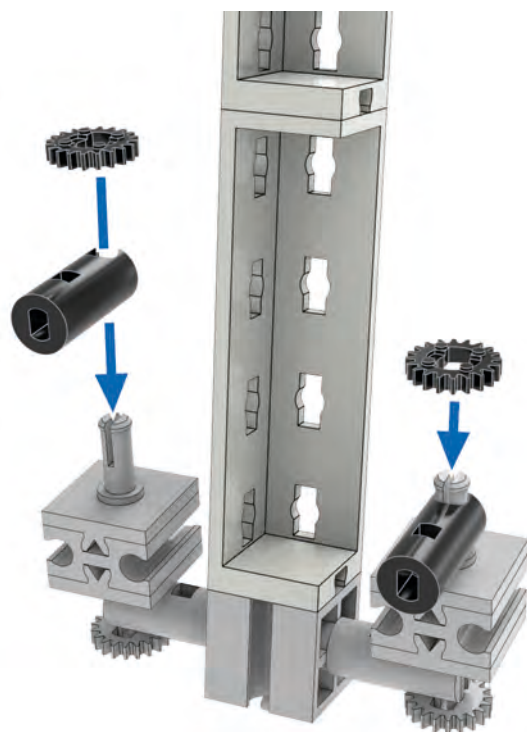
- 42** 12x 6x



- 43** 6x

3x

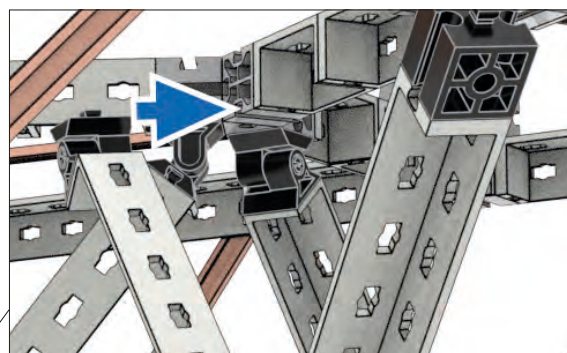
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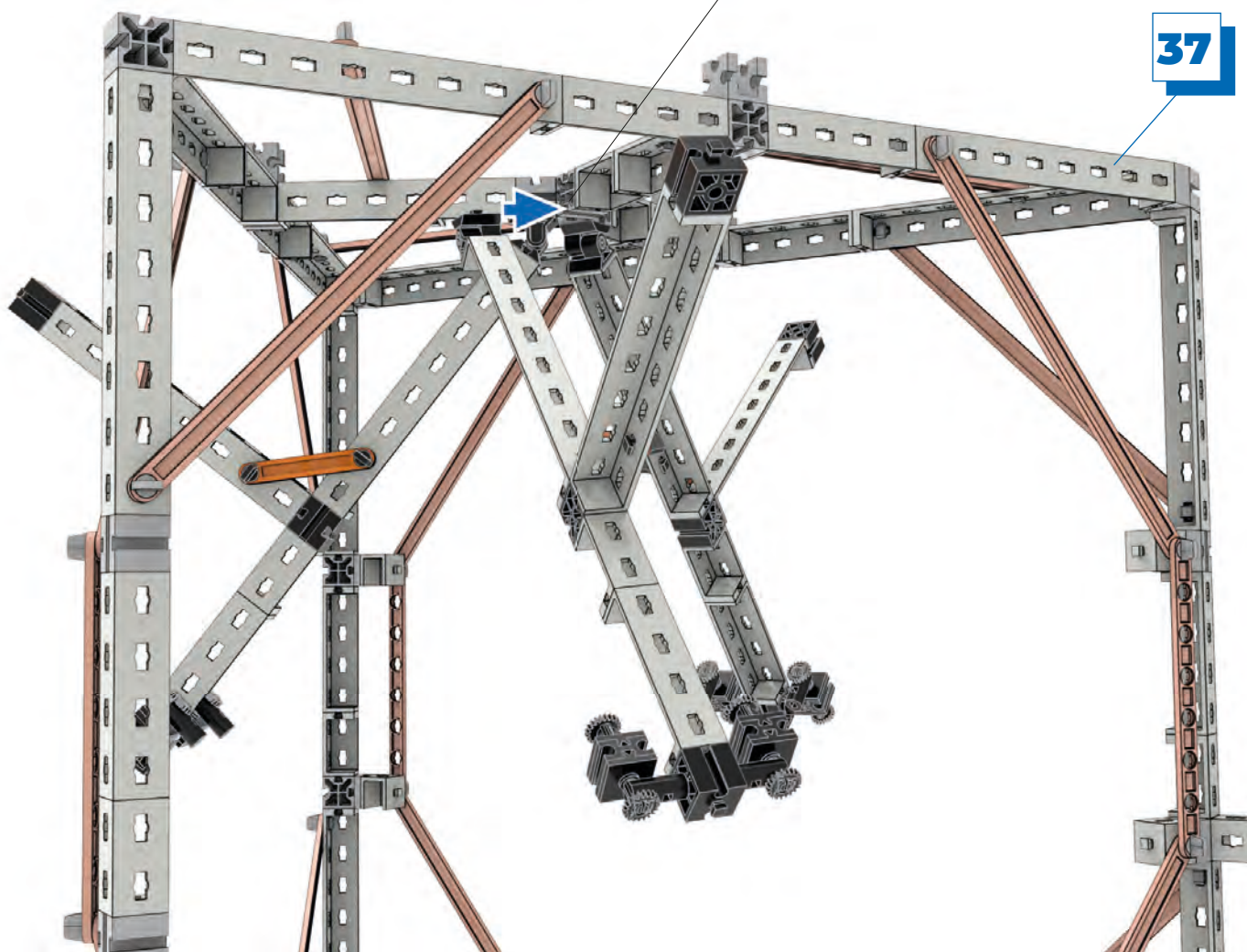
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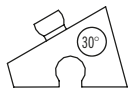
6x **6x**

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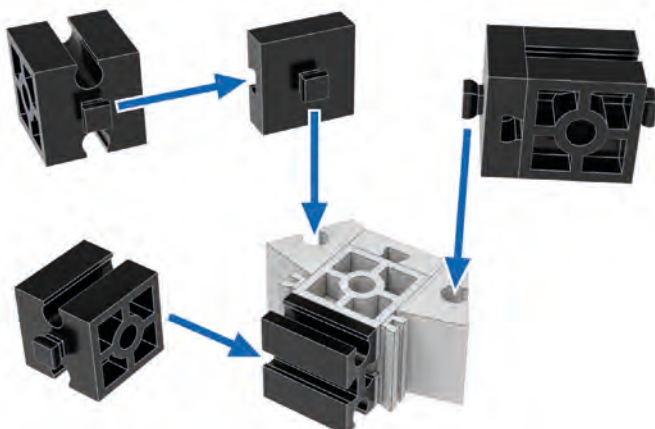
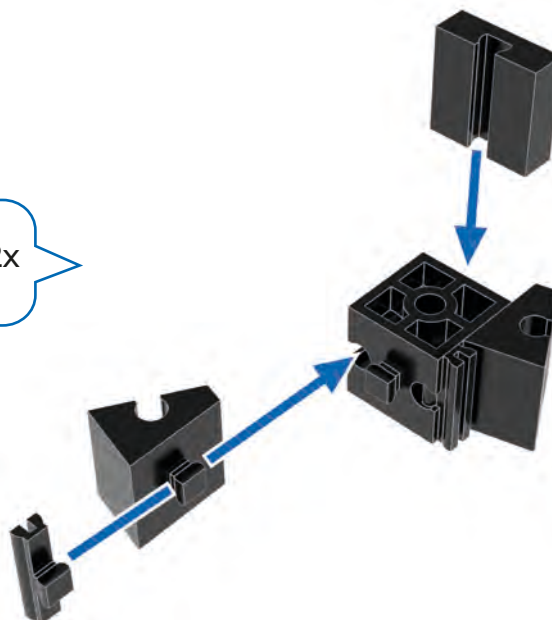
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46

1x 1x 30° 2x 2x

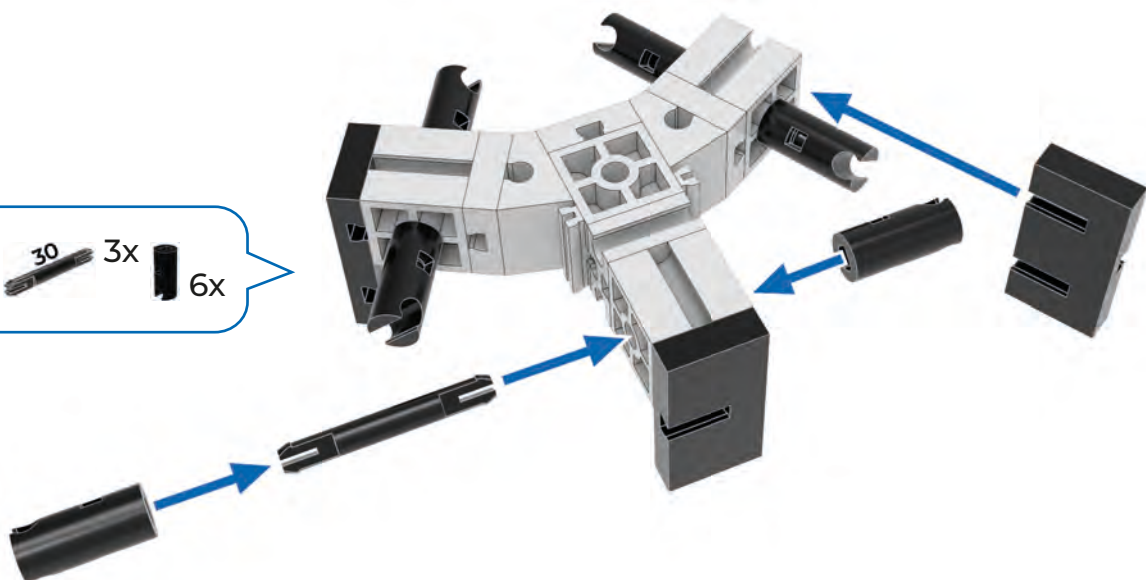


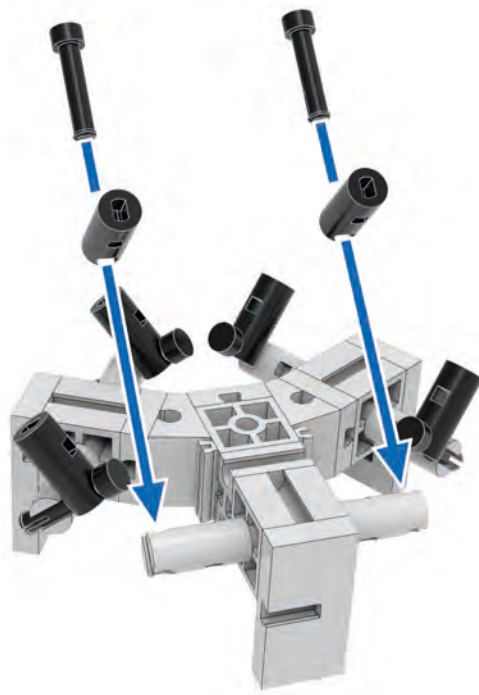
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3x 1x 2x

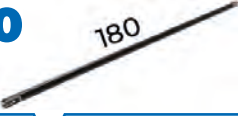
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3x 30 3x 6x

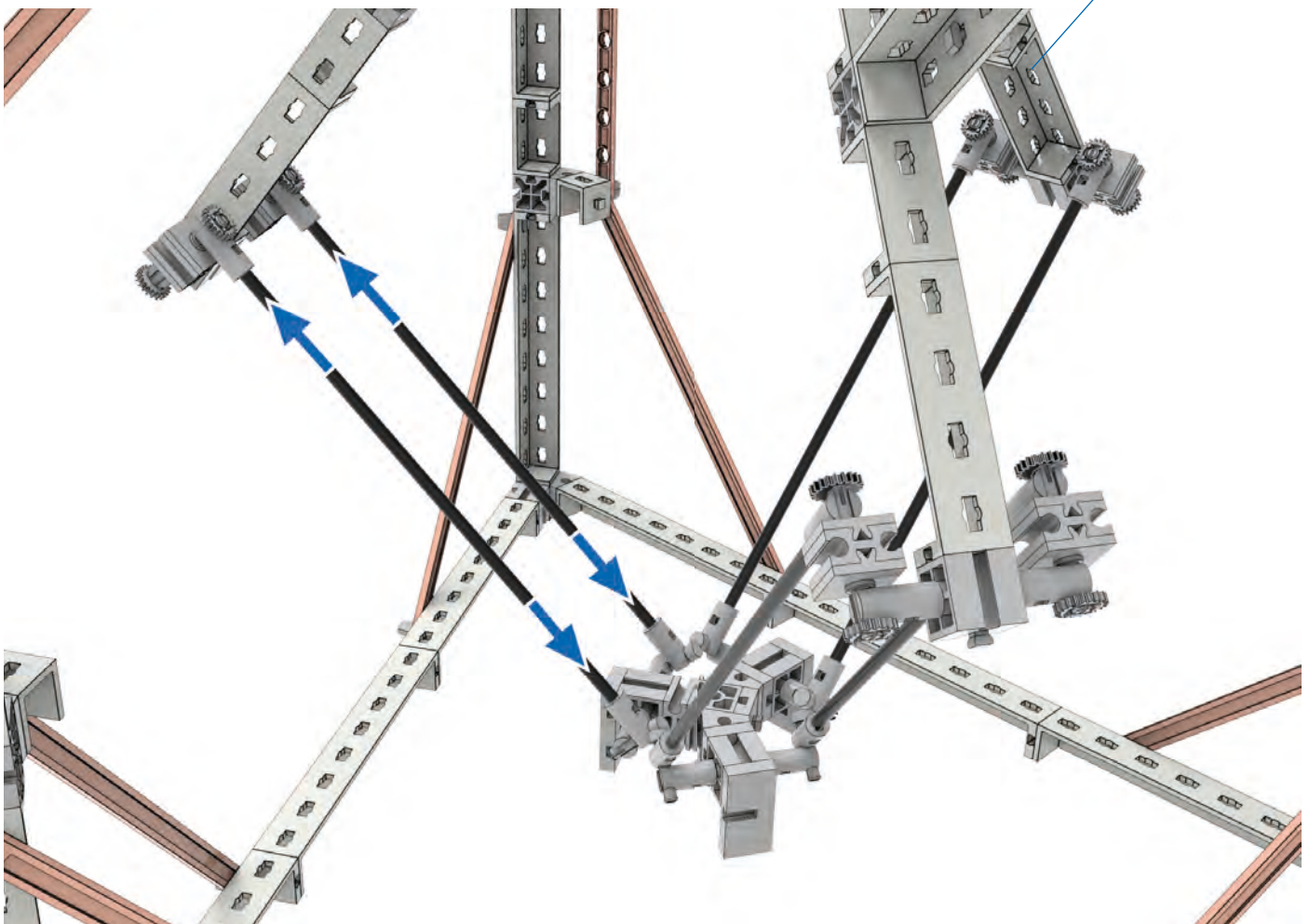




49  6x  6x

50  180 6x

45



51



3x



3x



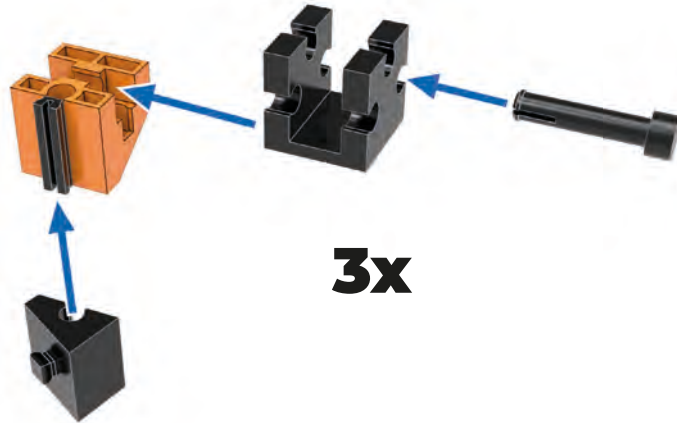
3x



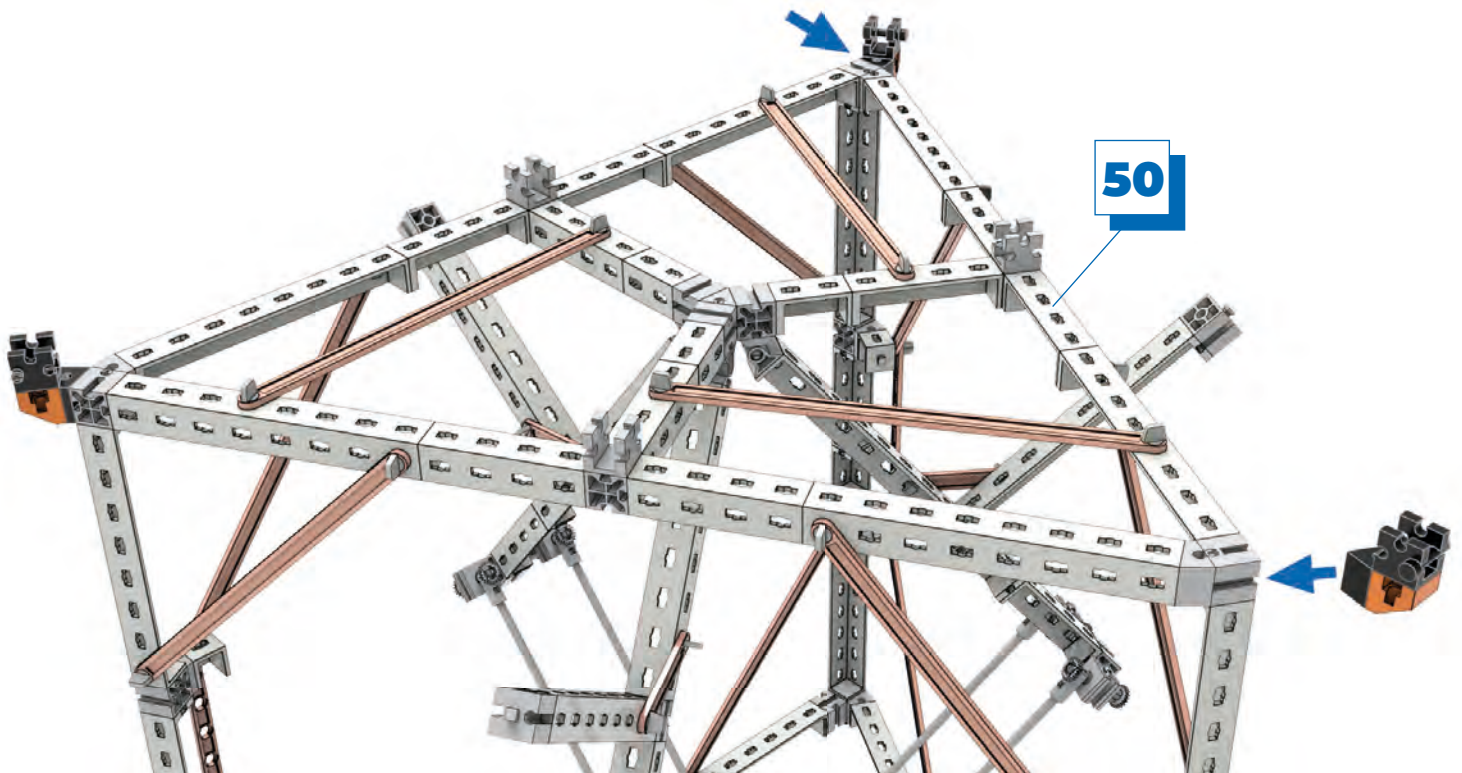
3x



3x

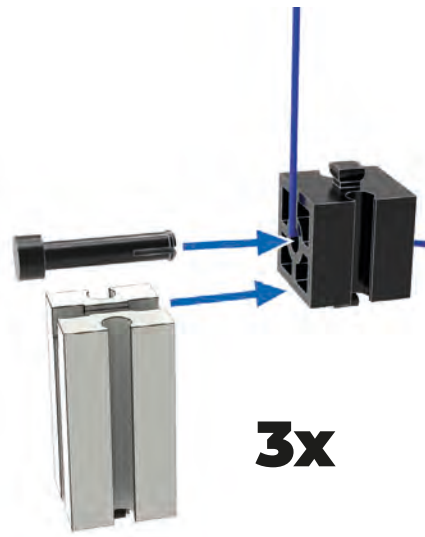


52



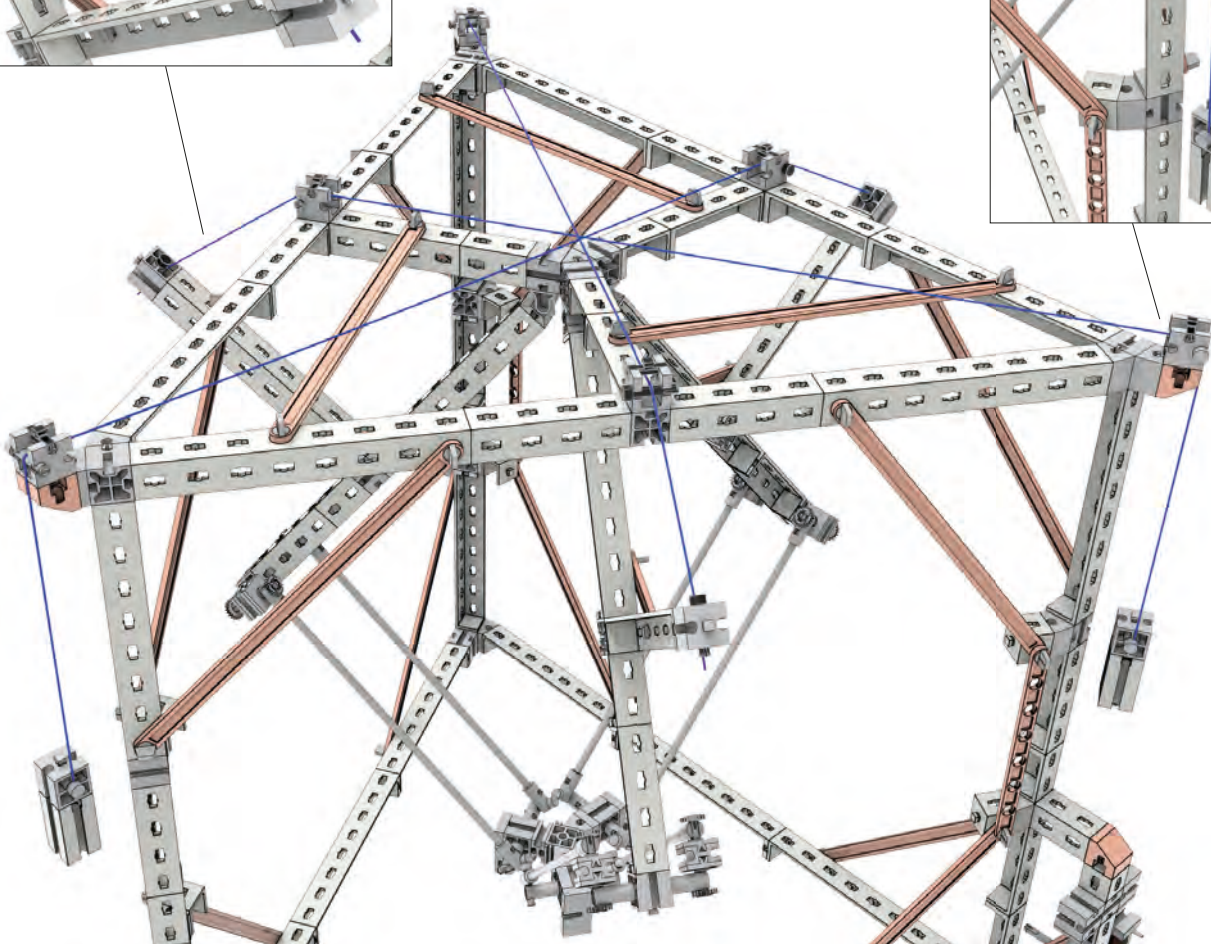
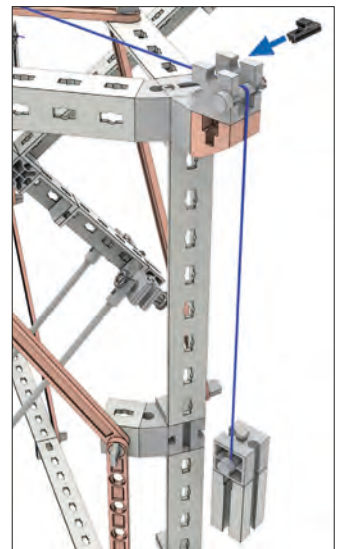
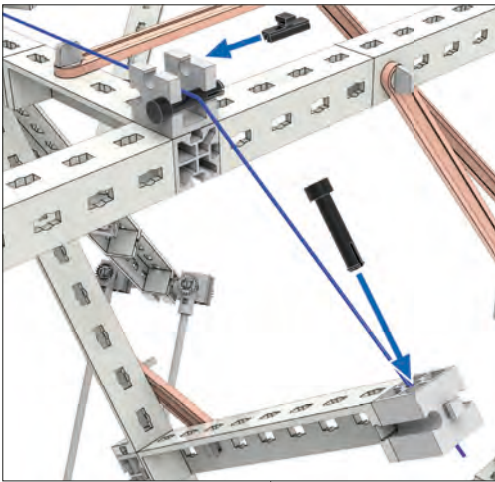
53

3x 3x 3x 3x 75 cm



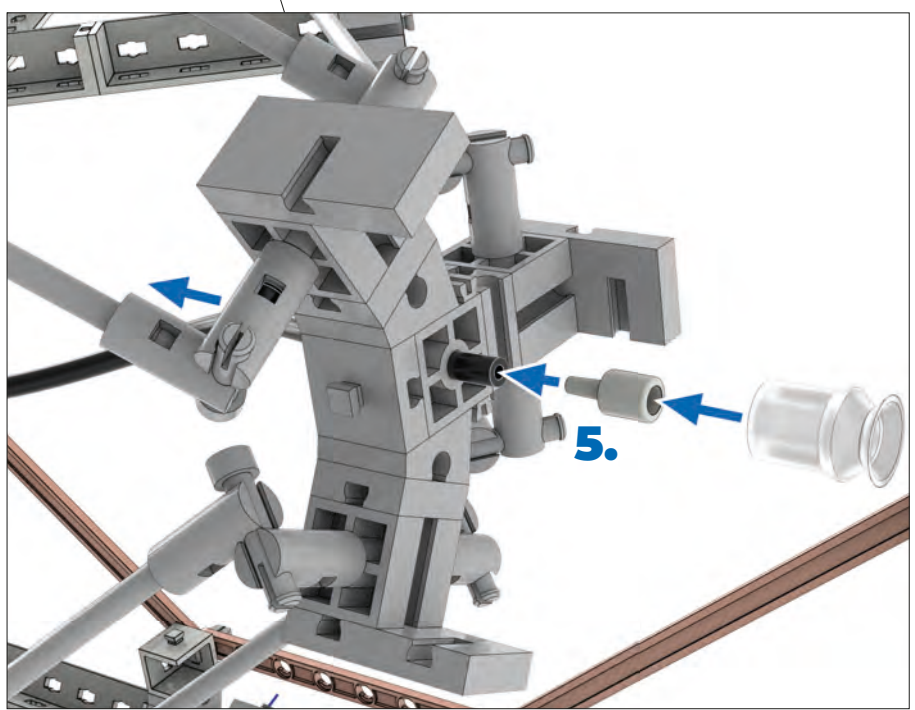
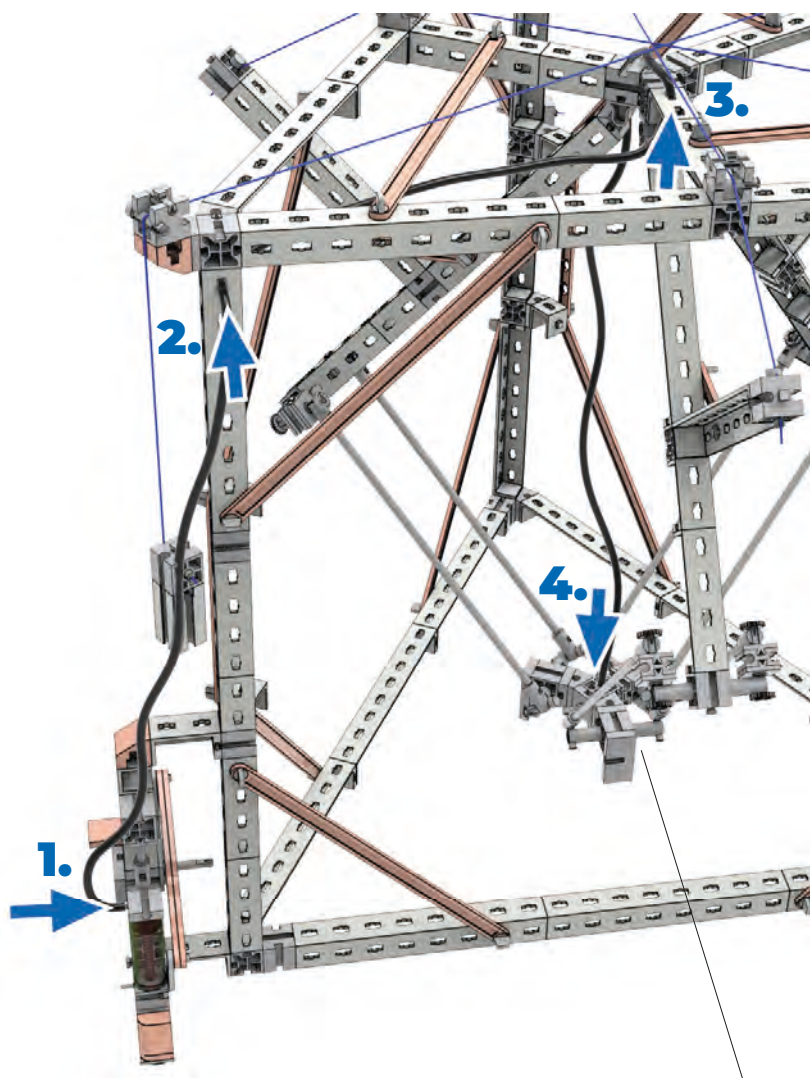
54

6x 6x



55

 1x
  1x
  1x



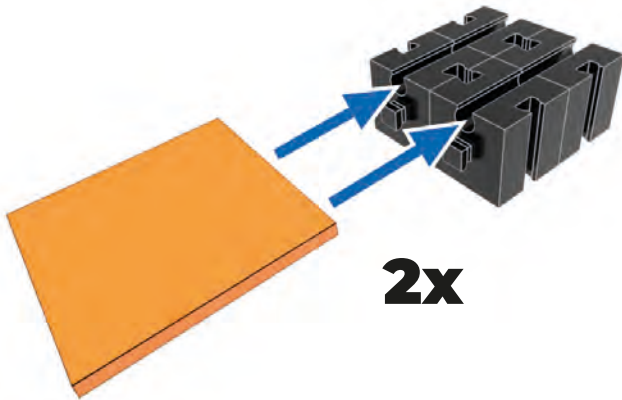
56



2x



8x



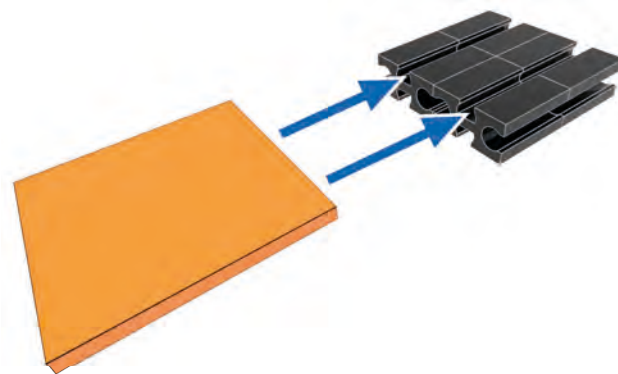
57



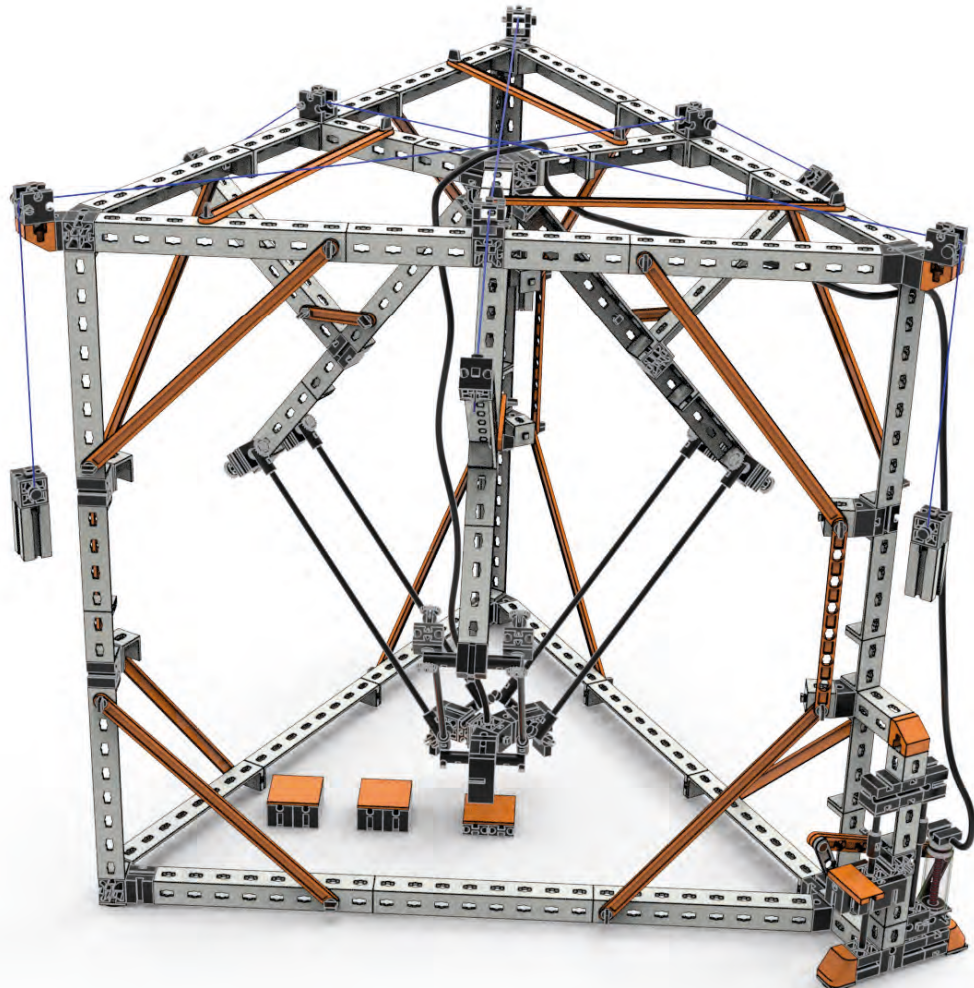
1x



4x



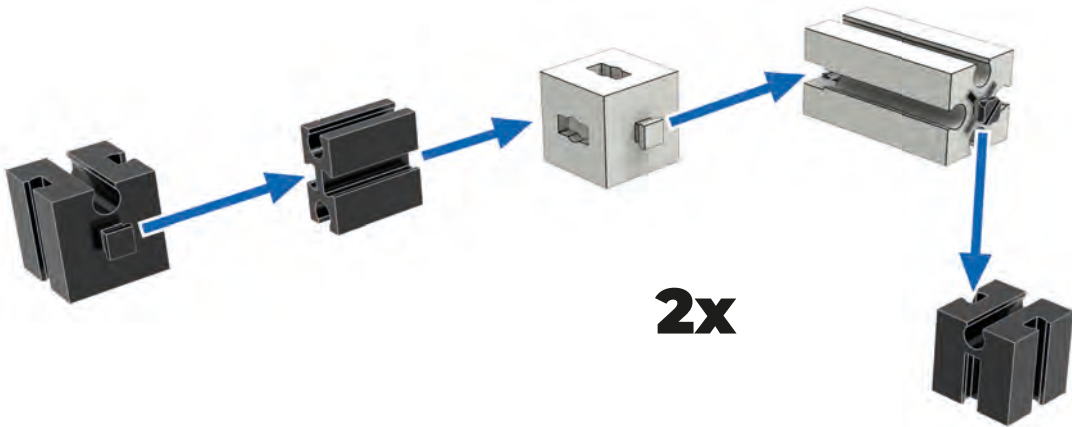
Tutorials &
Game instructions



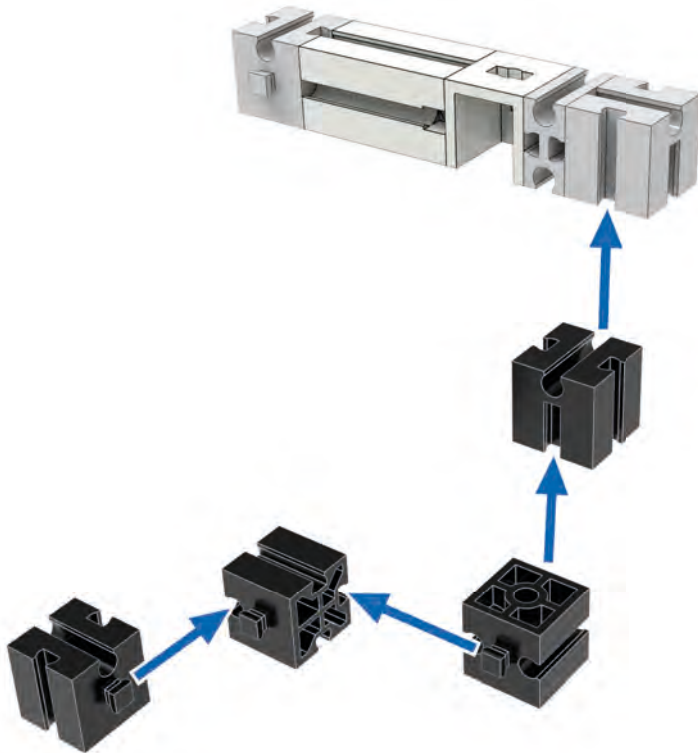


Freefall Tower

- 1**  2x  2x  4x  2x



- 2**  3x  1x



3 1x

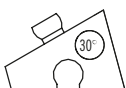
1

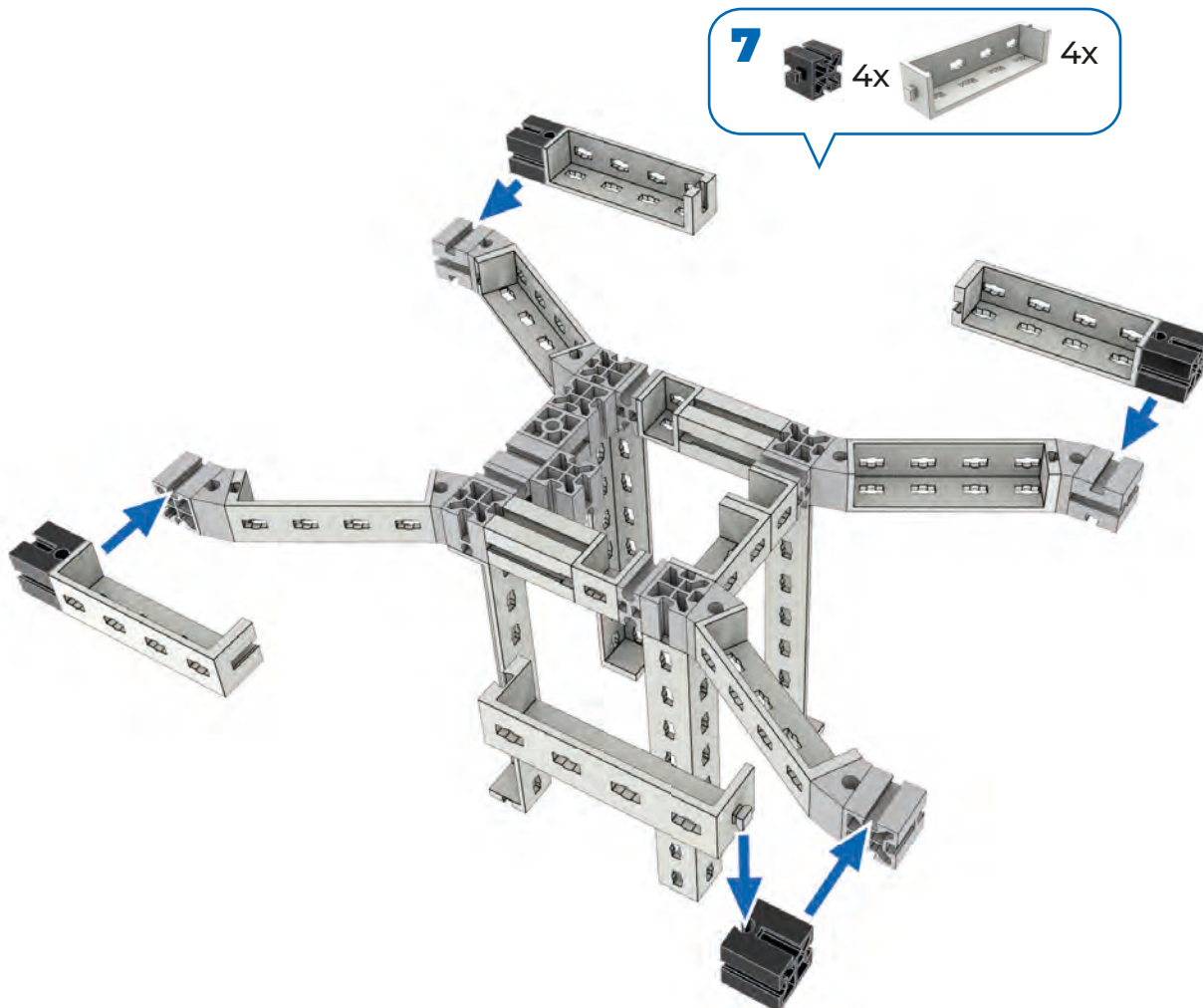
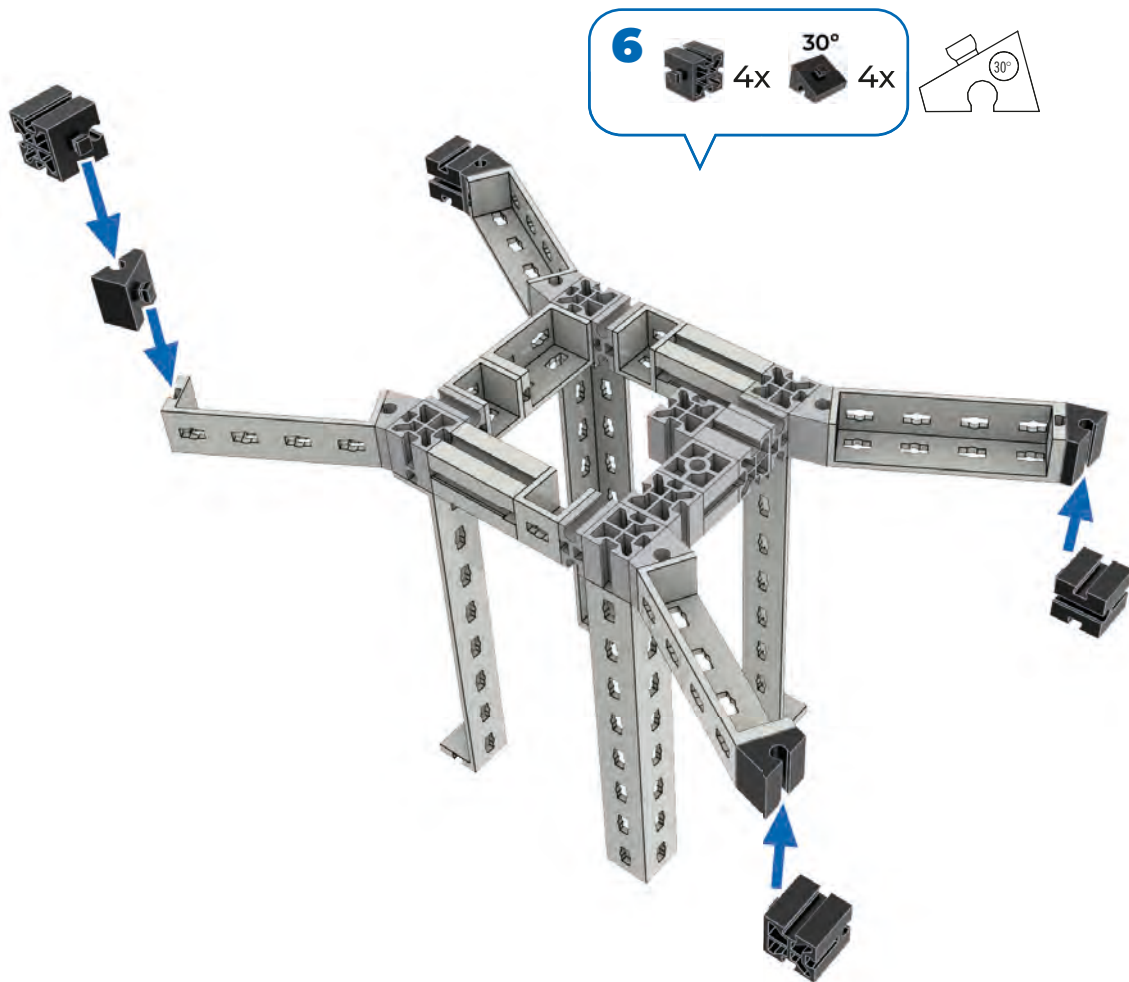
4

4x 1x 1x 1x

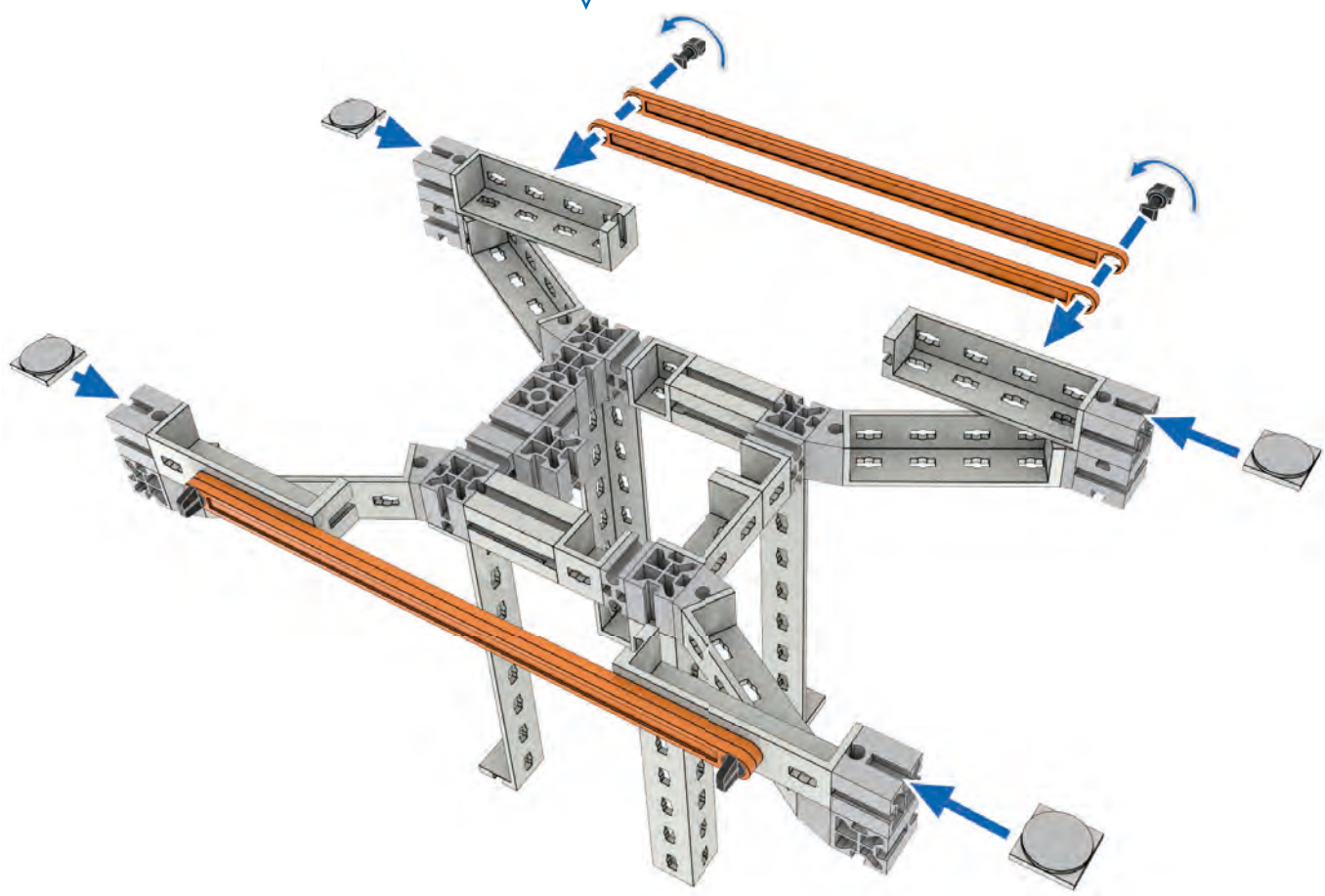
5

4x 30° 4x

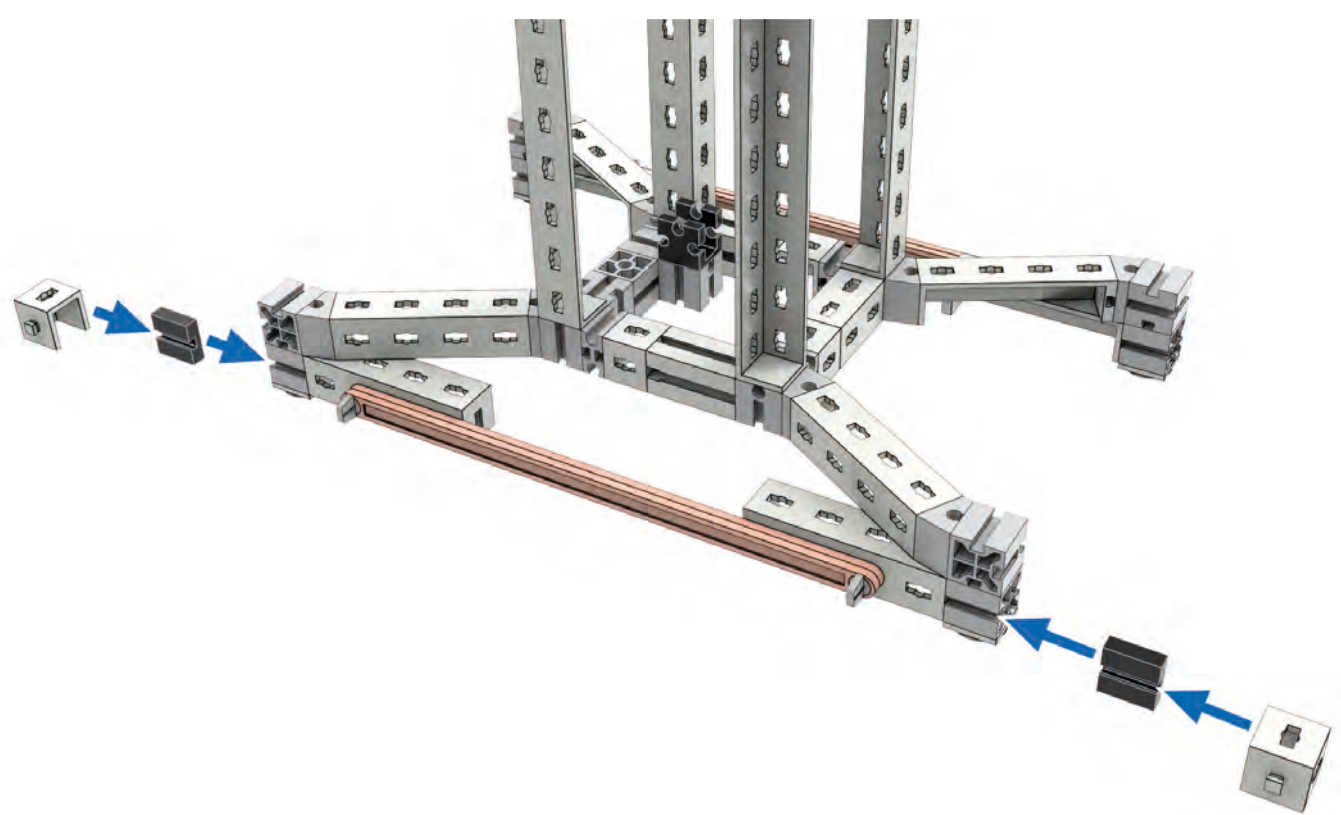




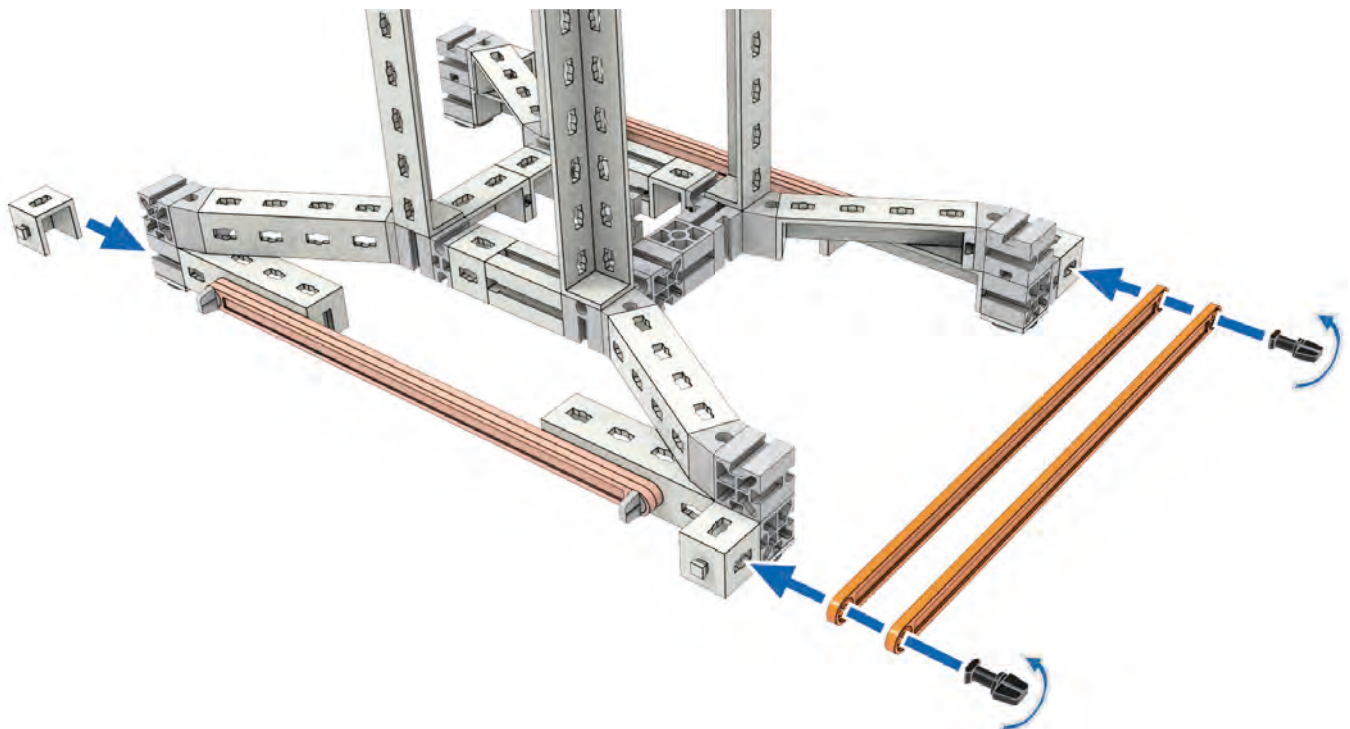
- 8** 169,6 4x 6 4x 4x



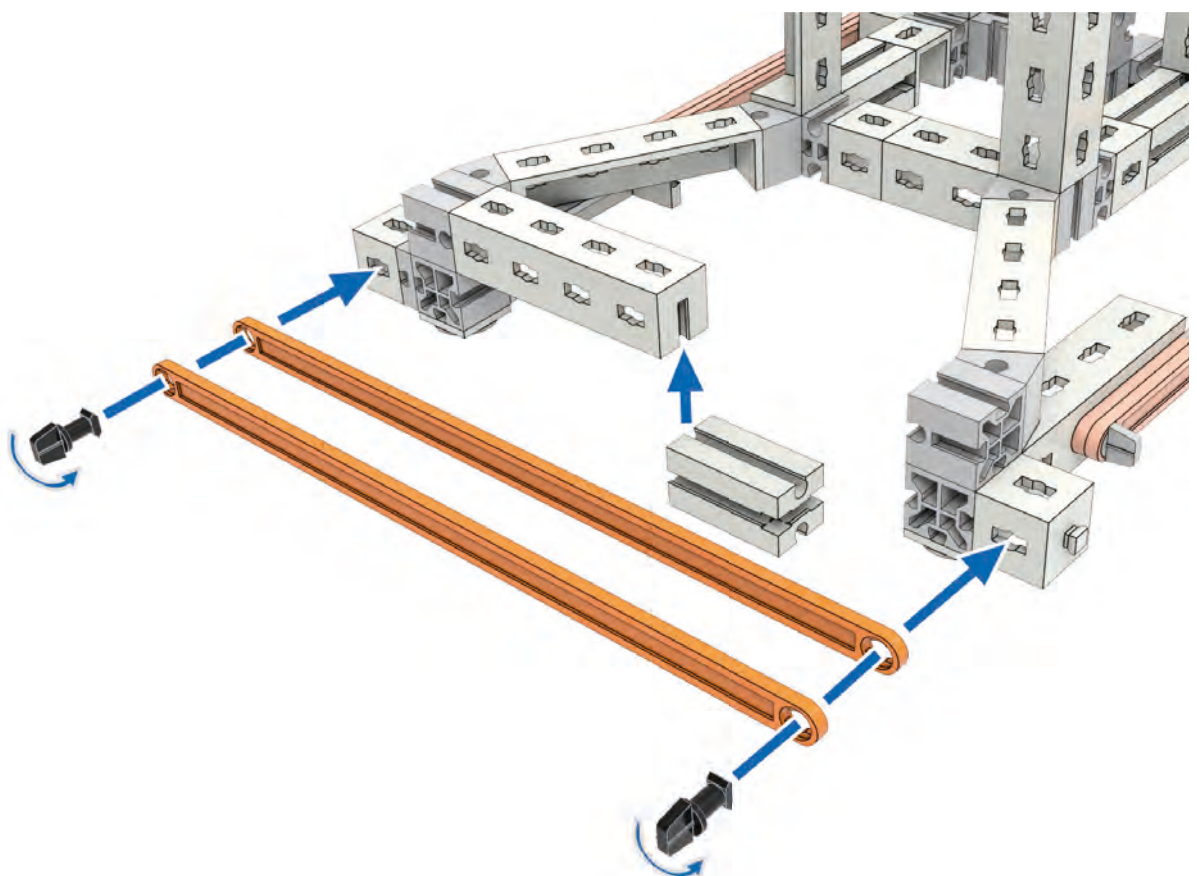
- 9** 2x 1x 2x



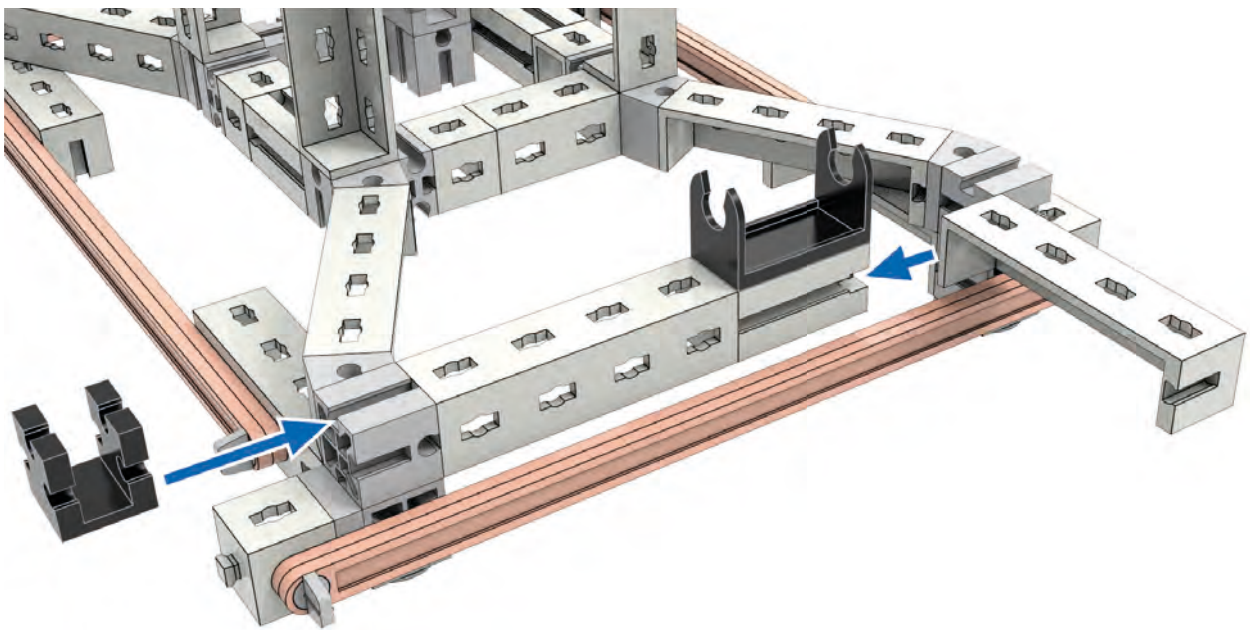
10 169,6 2x
 6 2x



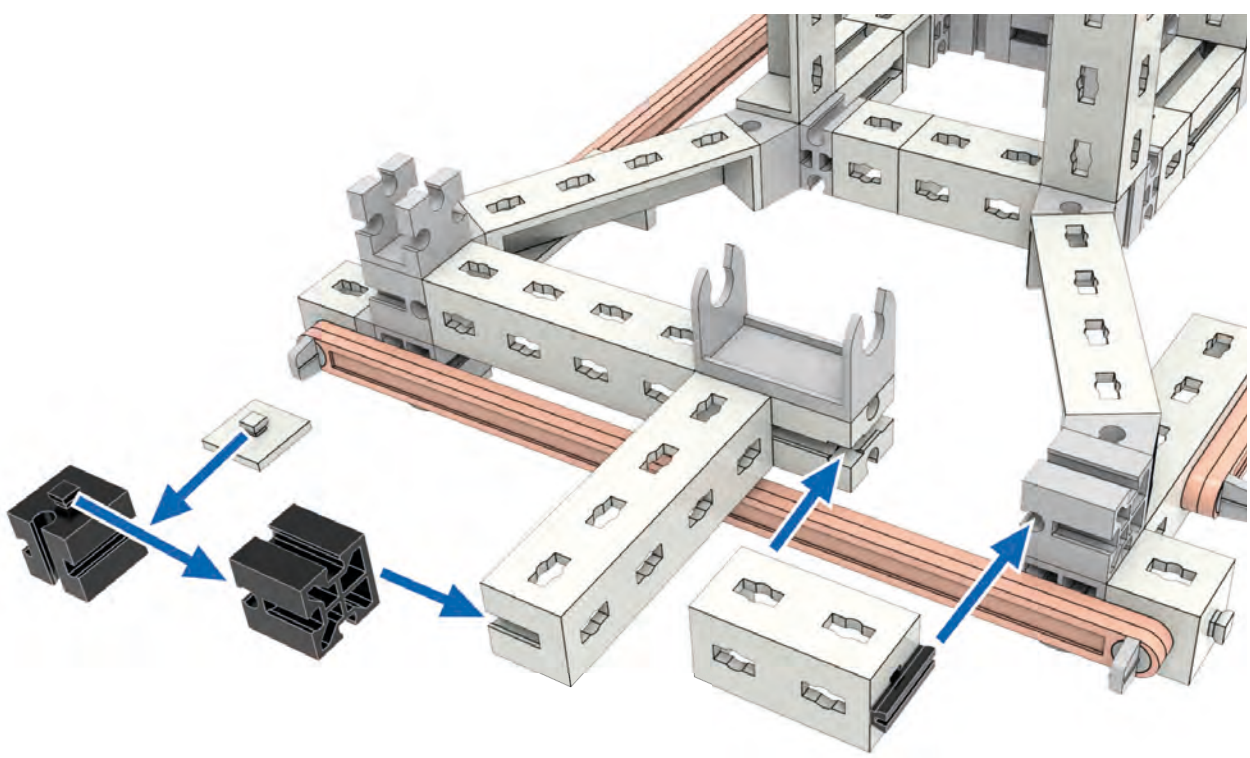
11 169,6 2x
 6 2x

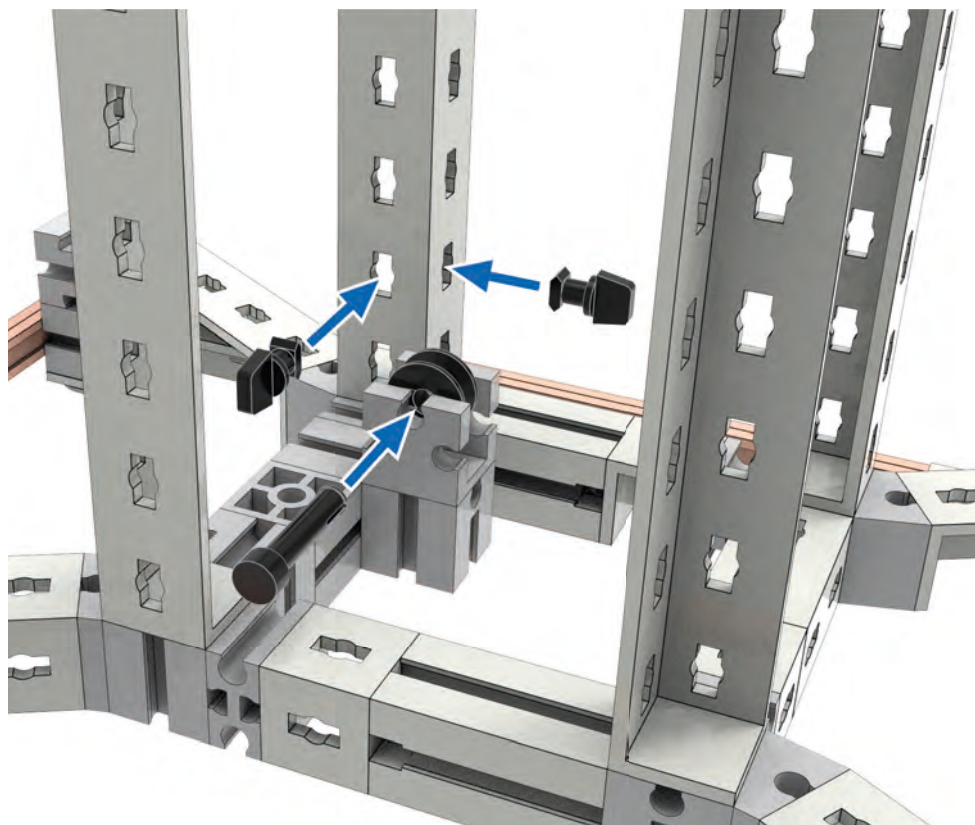
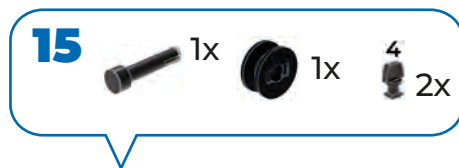
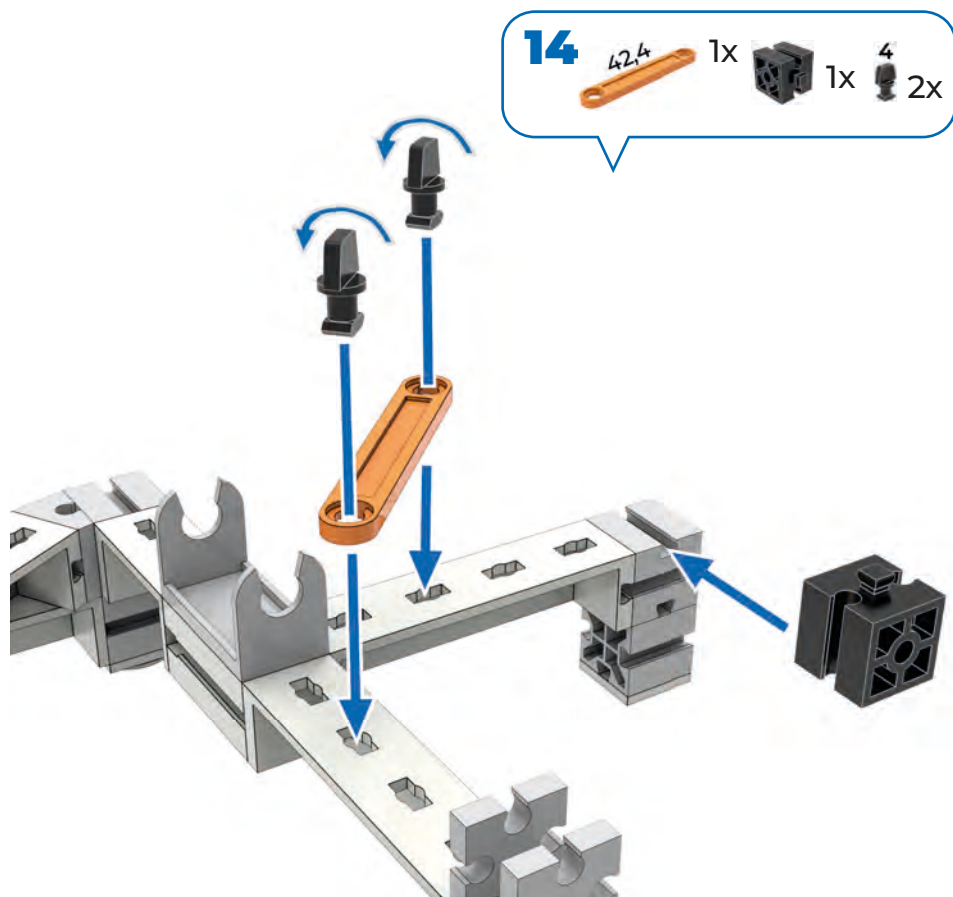


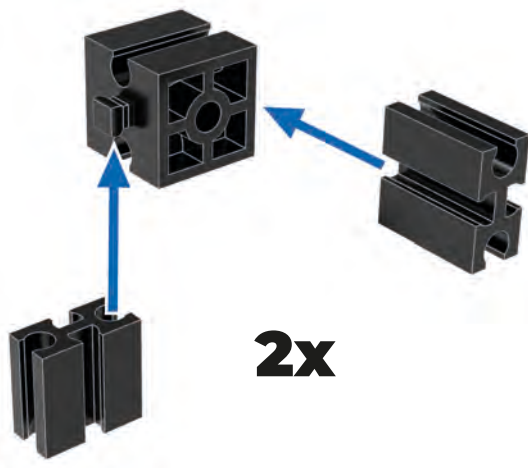
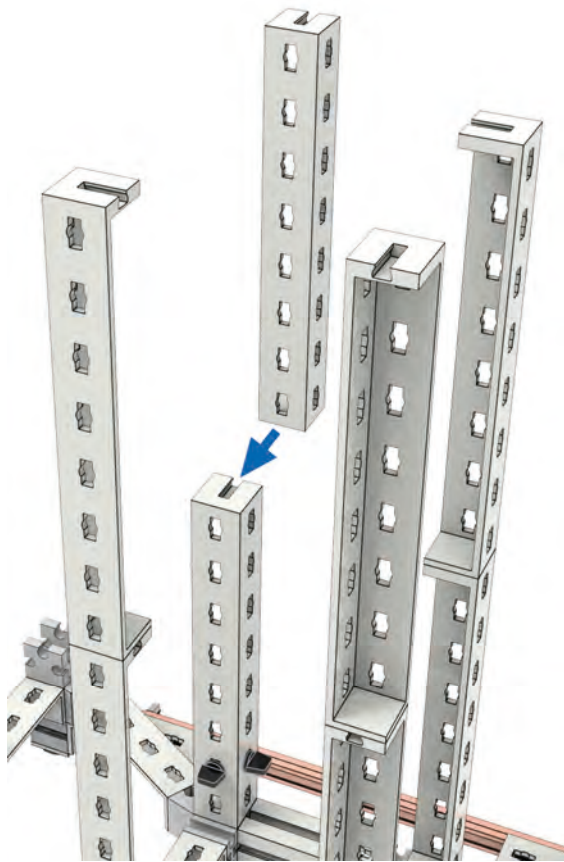
12 1x 1x 1x

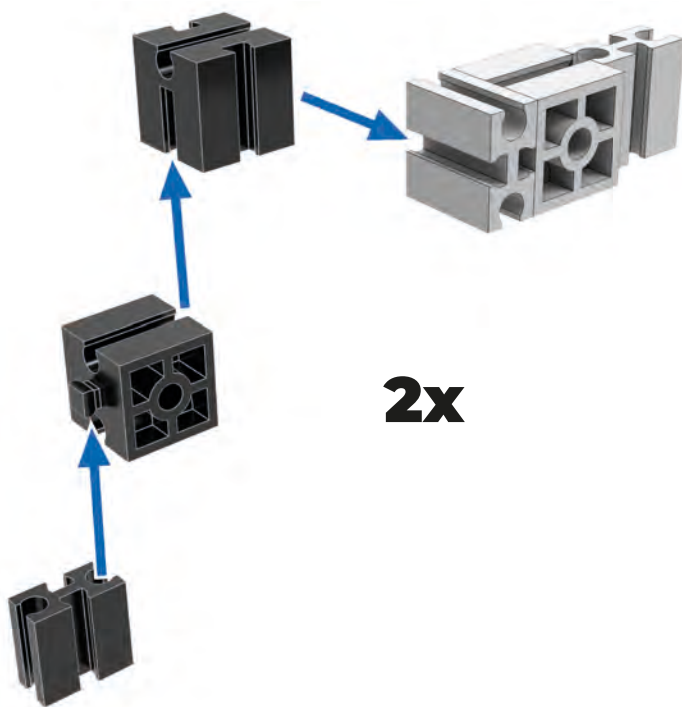


13 1x 1x 2x 1x







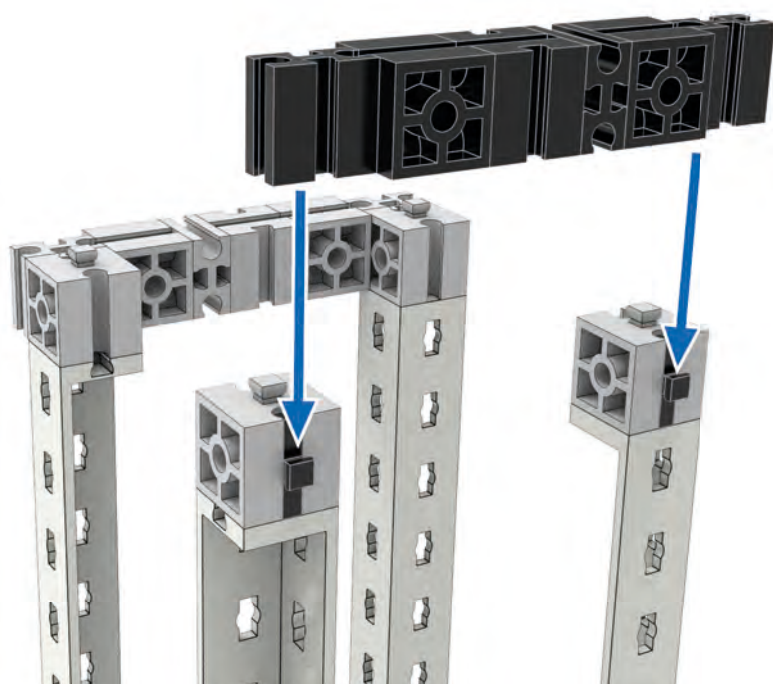


19

2x 2x 2x

20

2x

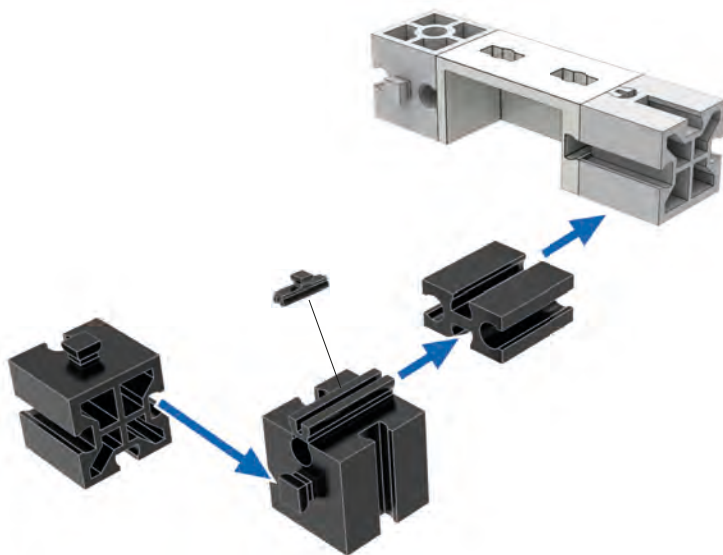
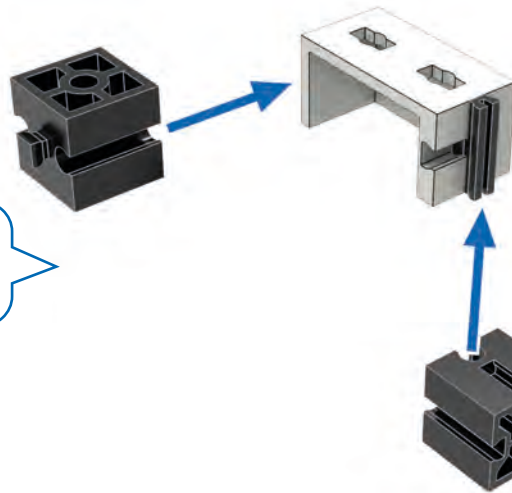


21

2x

22

1x 1x3 1x3 1x3 1x3 1x3

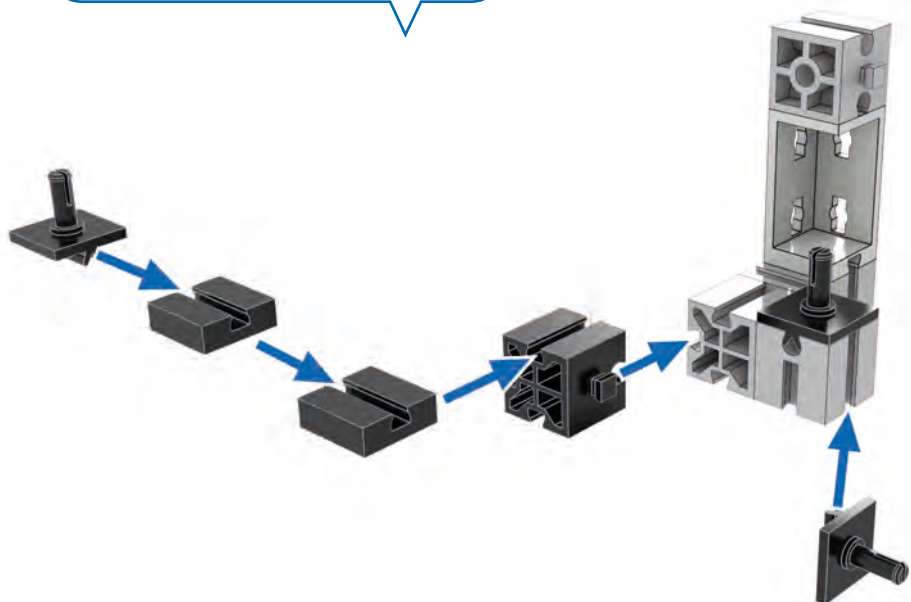


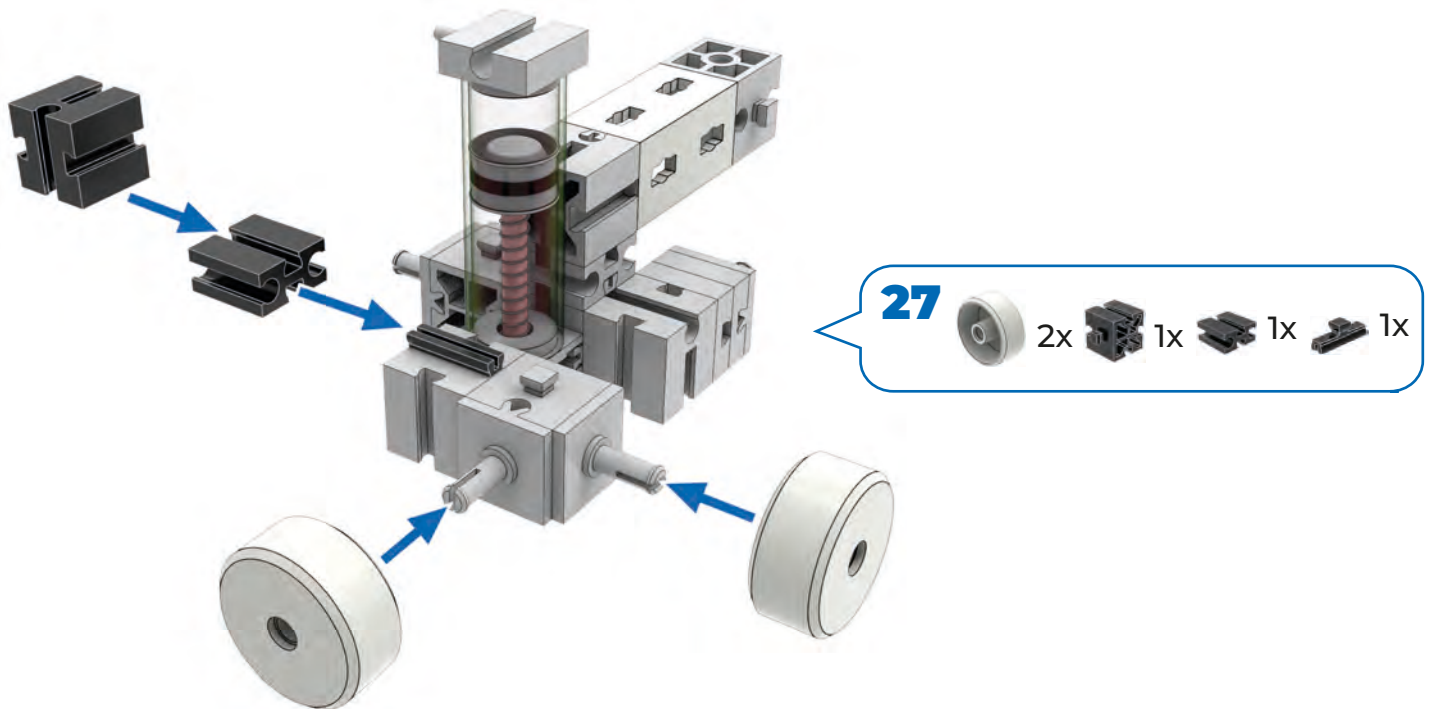
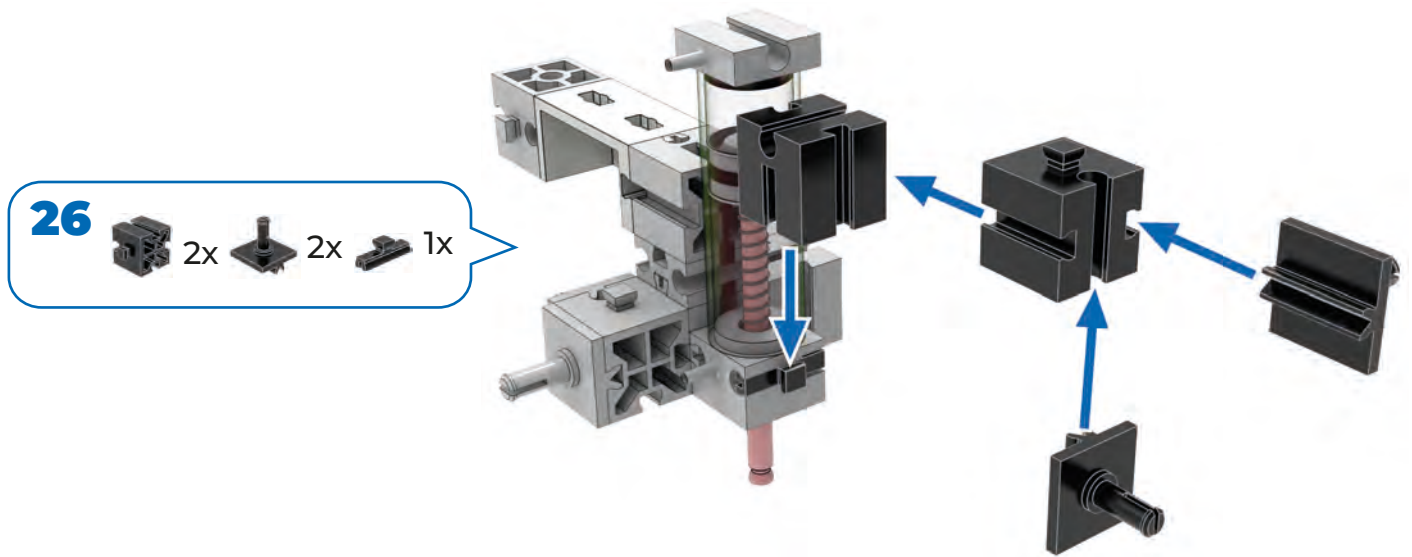
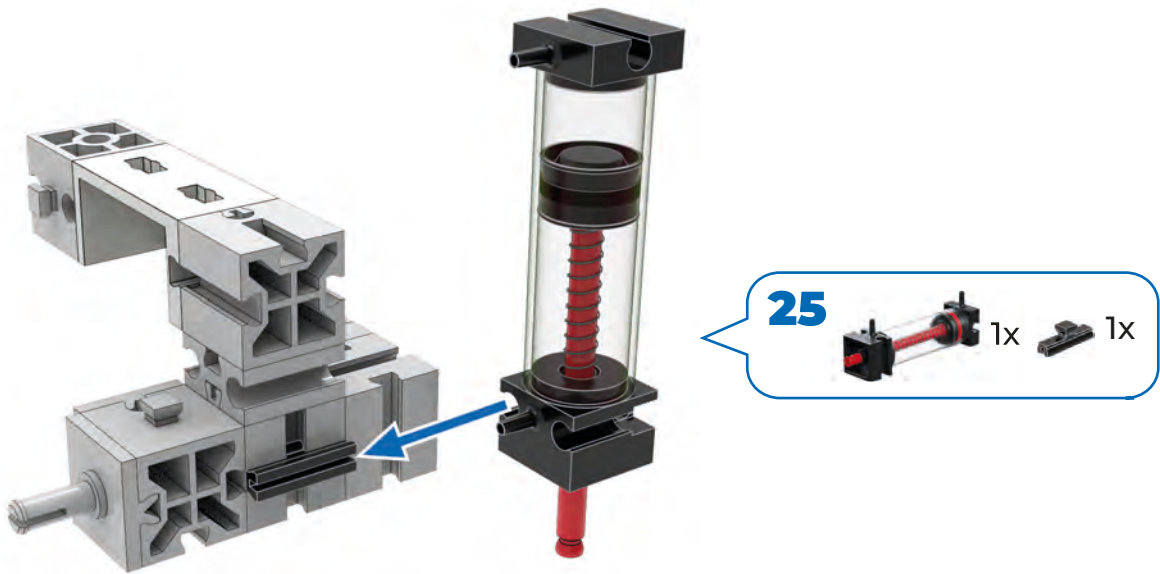
23

2x 1x3 1x3 1x3

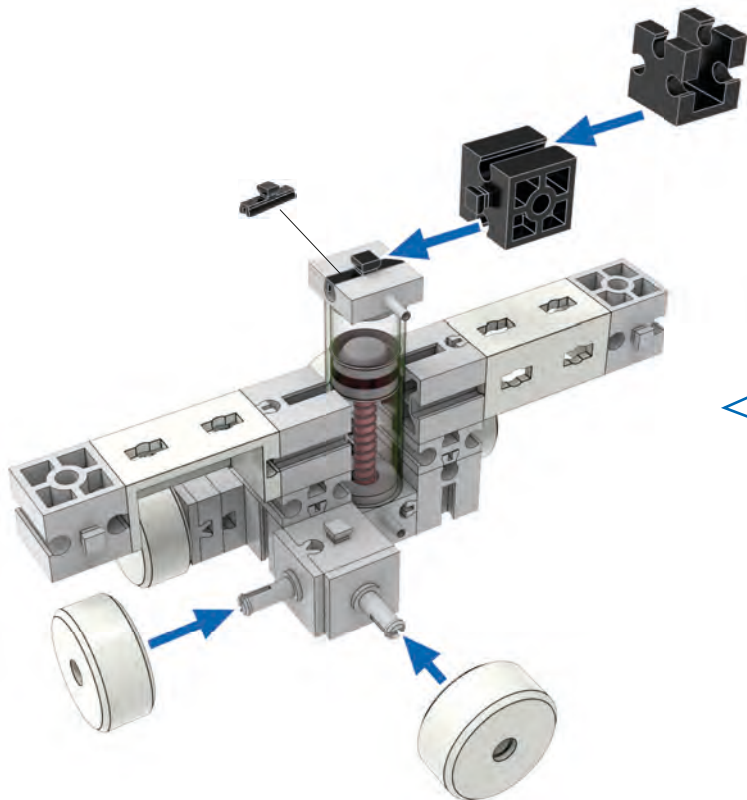
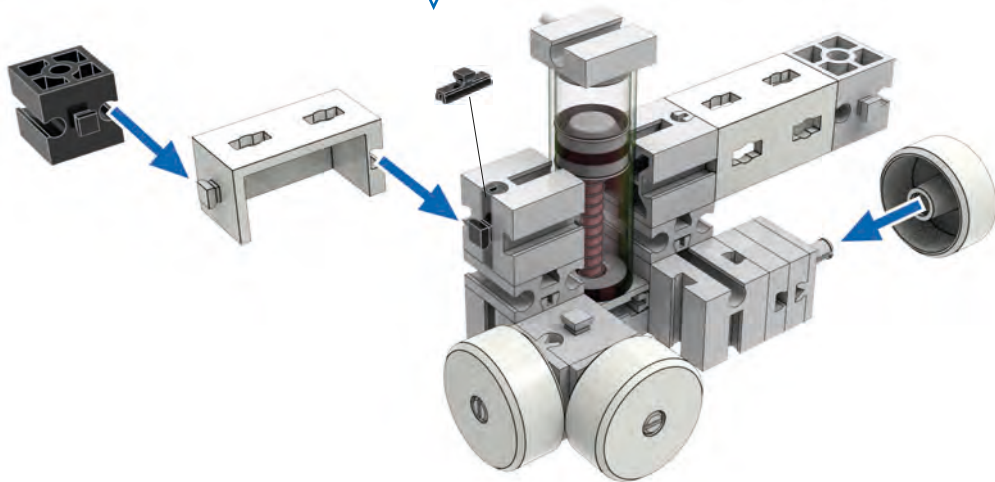
24

1x3 3x 2x

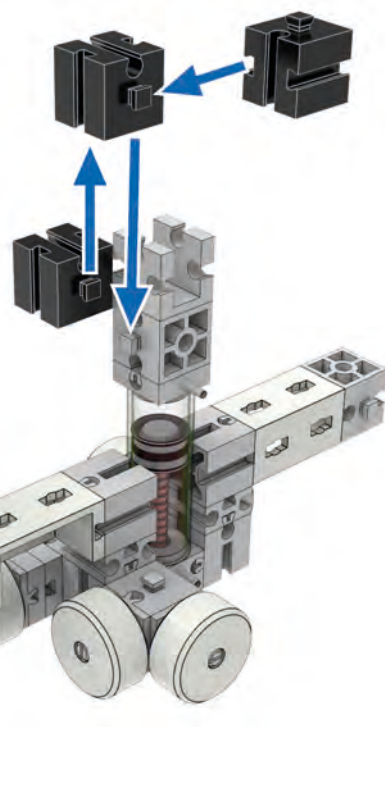




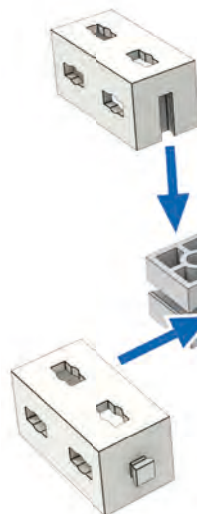
28



29



30



31



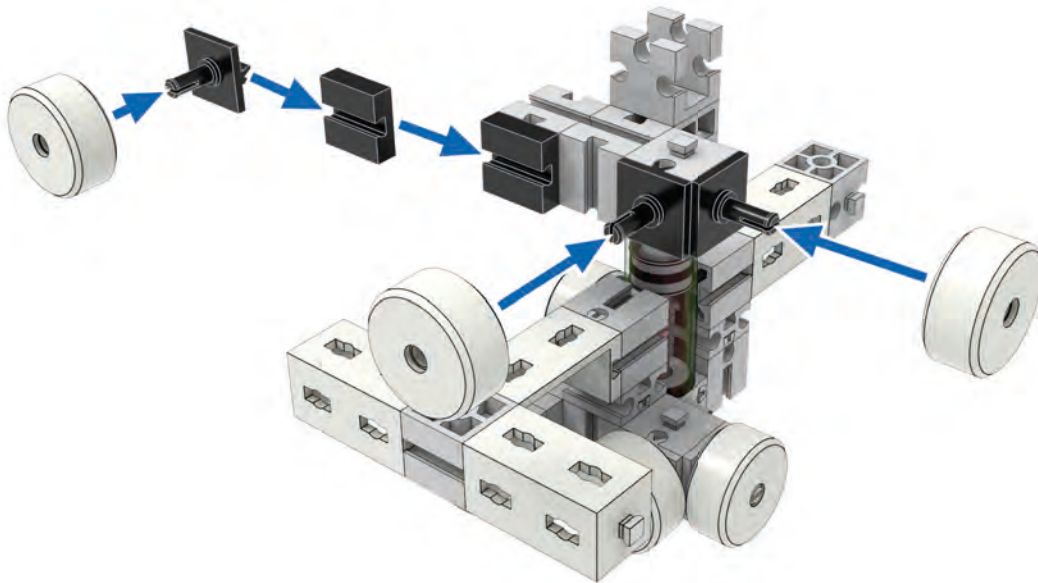
3x



3x



2x



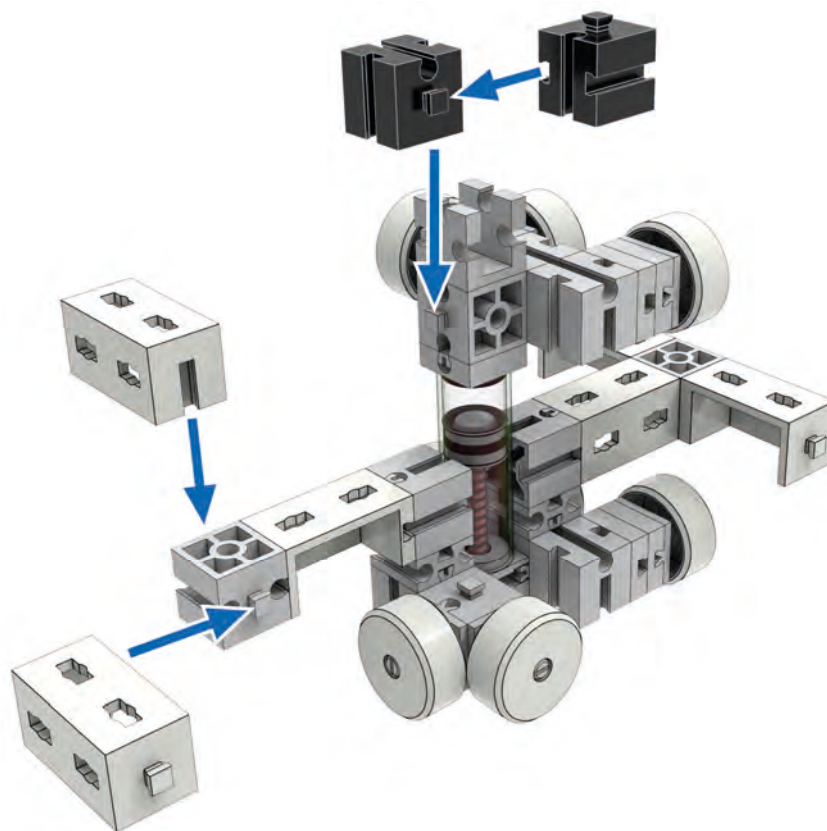
32



2x

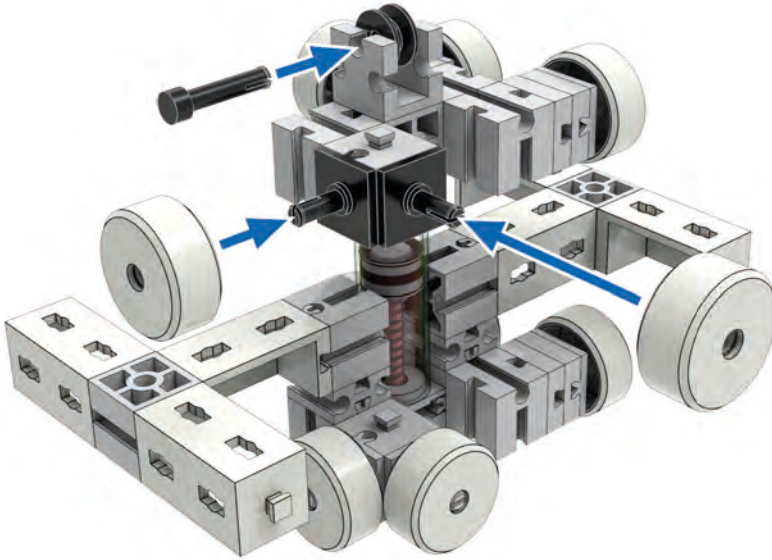


2x



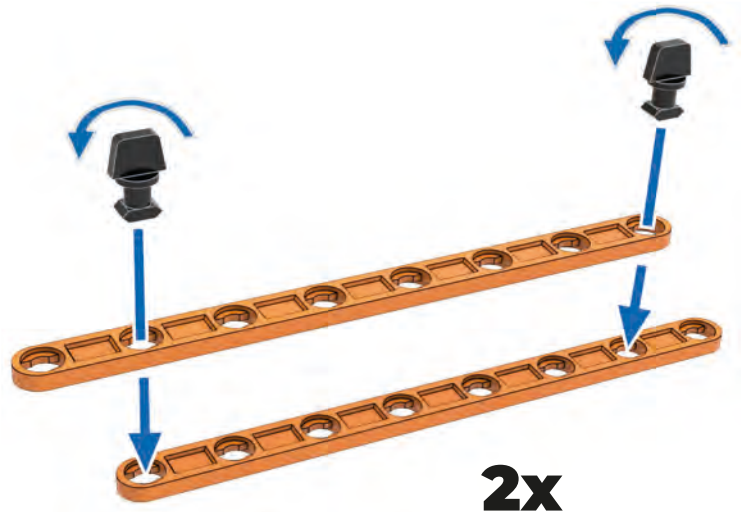
33

 2x  2x  1x  1x

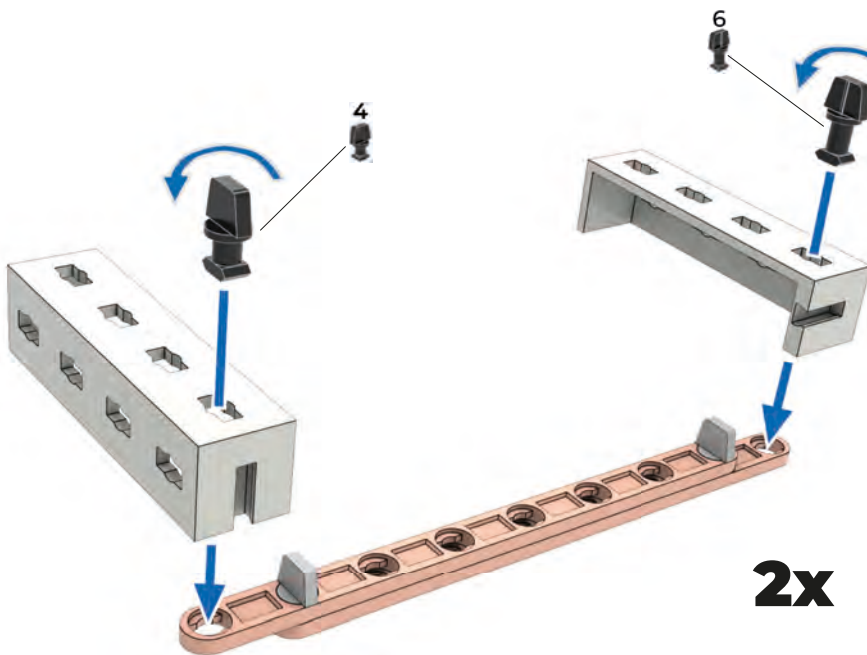


34

 4x  4x



2x



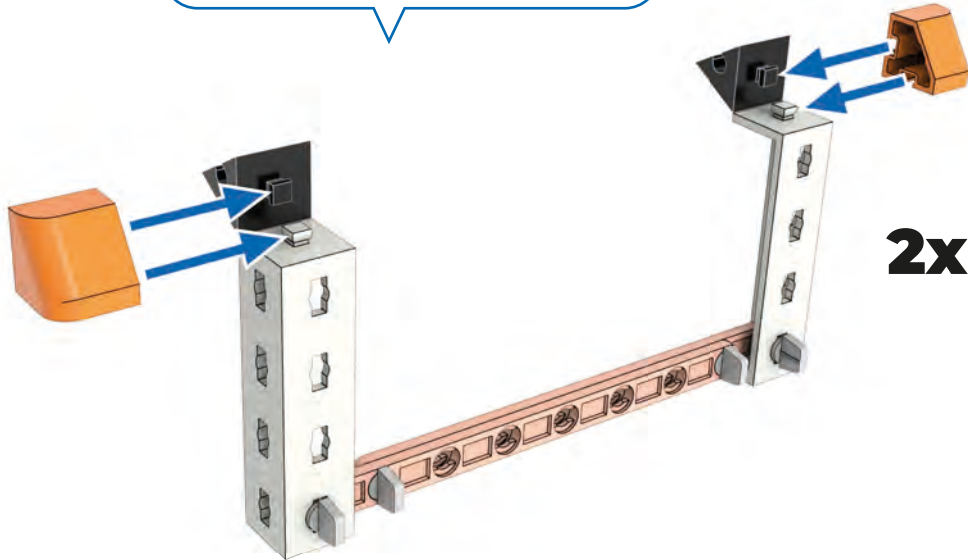
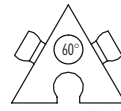
35

 4x  2x  2x

2x

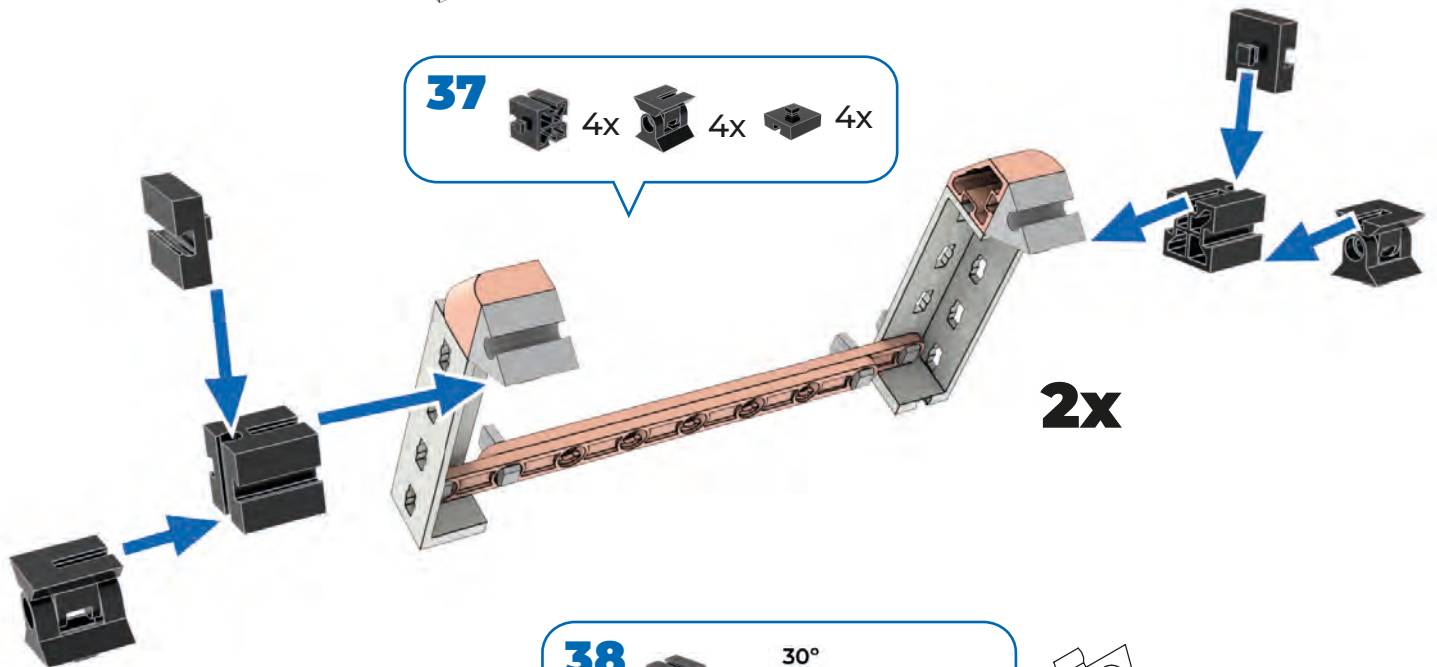
36

60° 4x 2x 2x



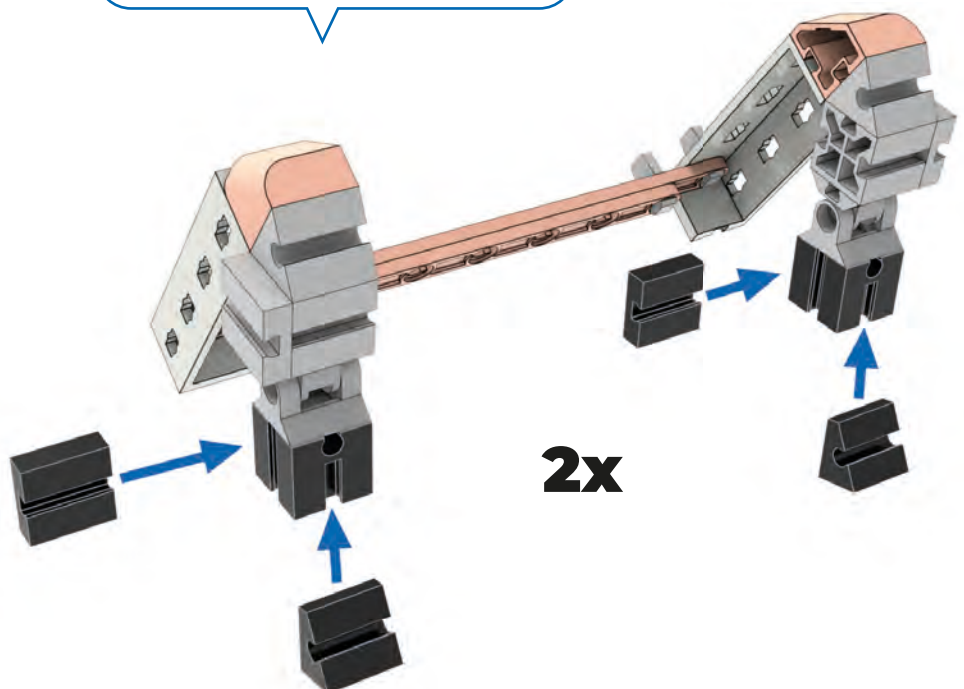
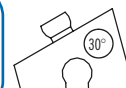
37

4x 4x 4x



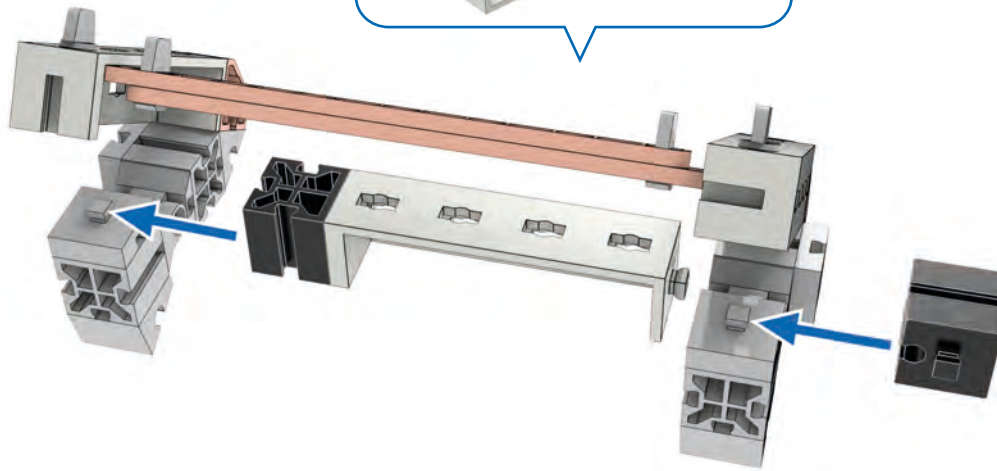
38

4x 30° 4x

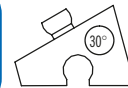


39 2x 2x 4x

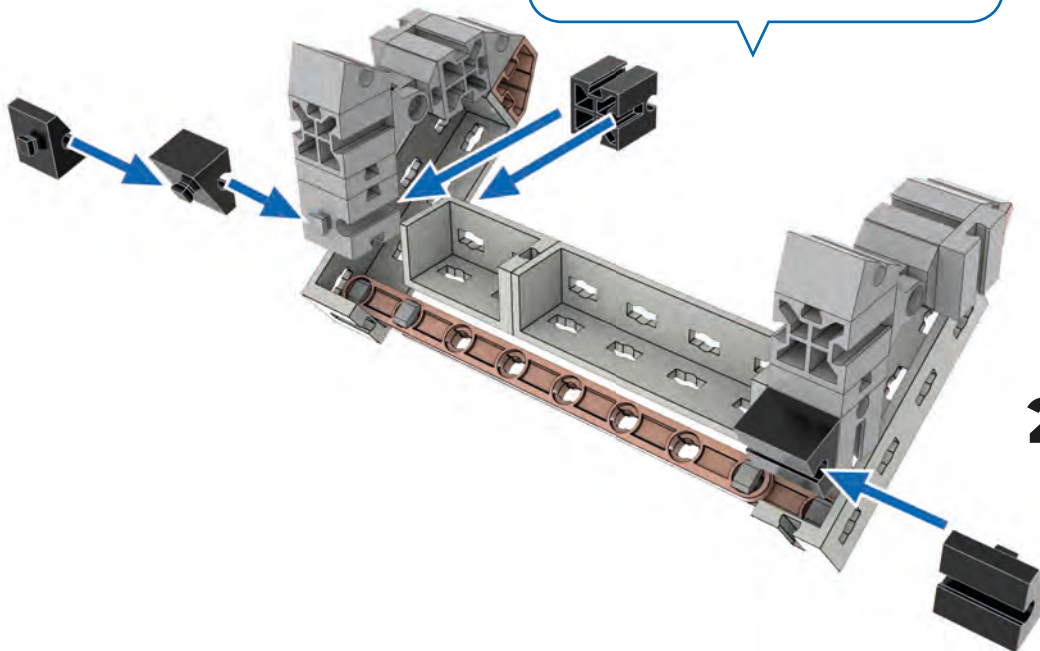
2x



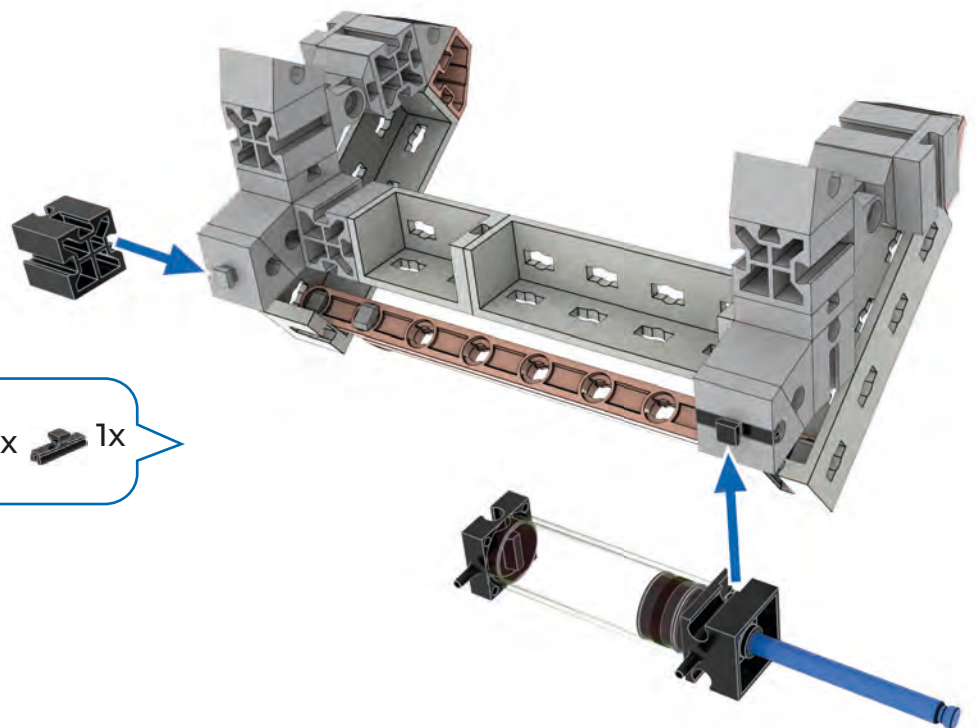
40 2x 2x 2x 30° 8x



2x



41 1x 1x 1x



42



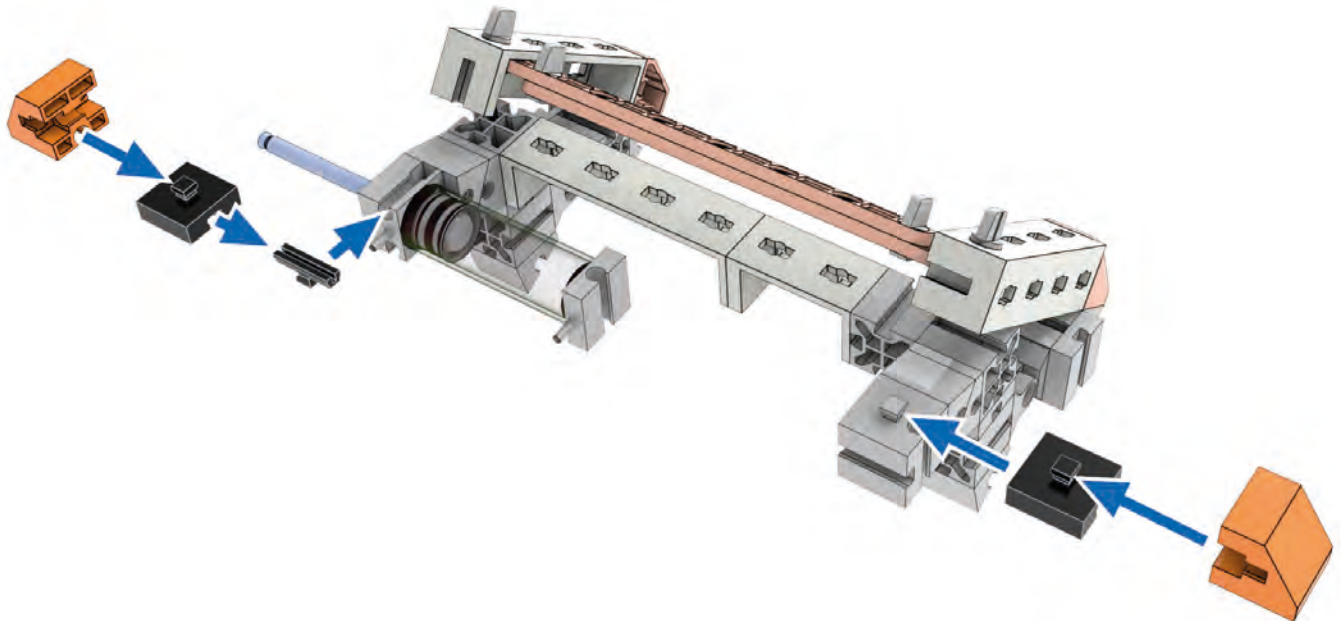
2x



2x



1x



43



1x



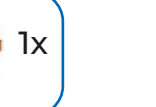
1x



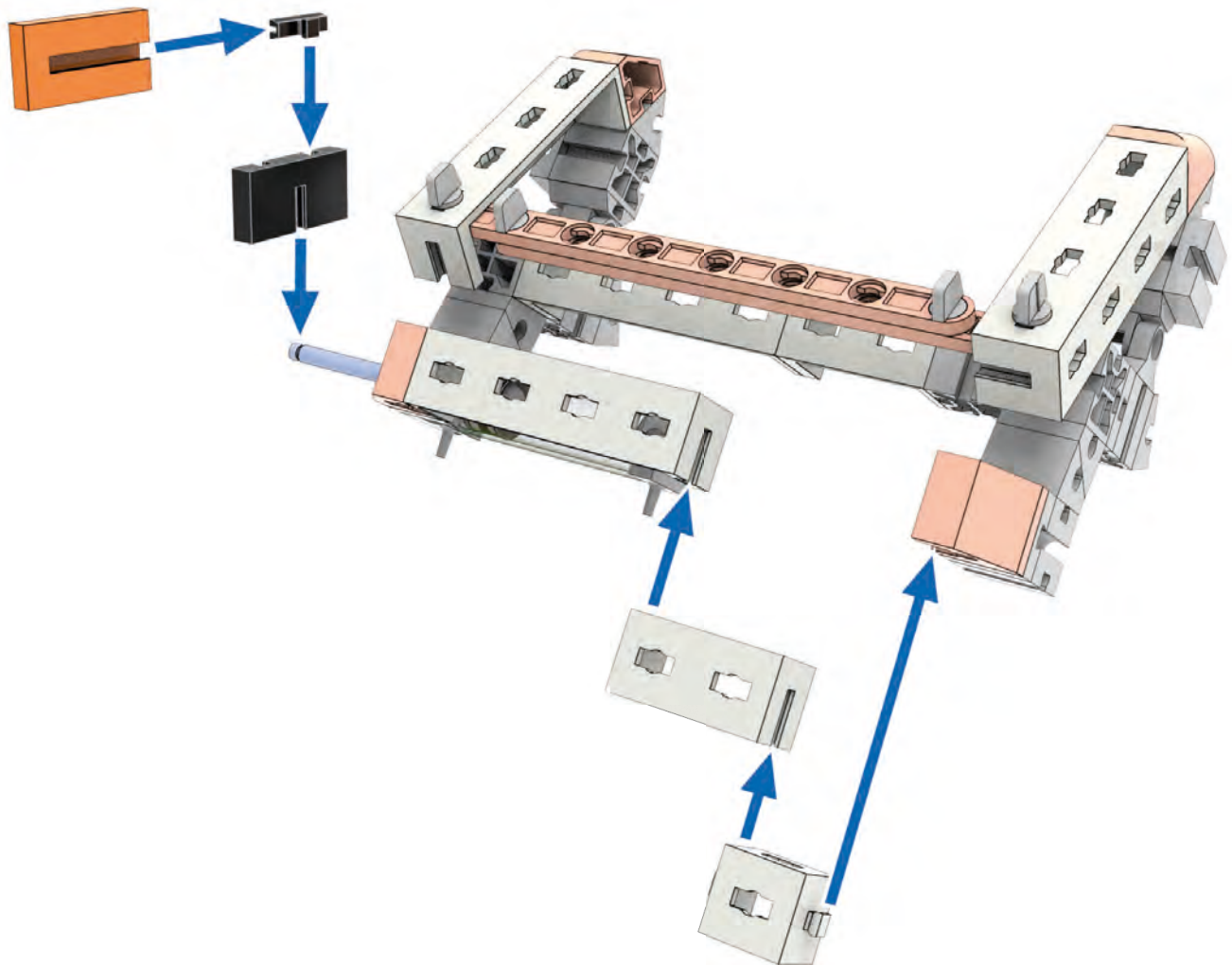
1x

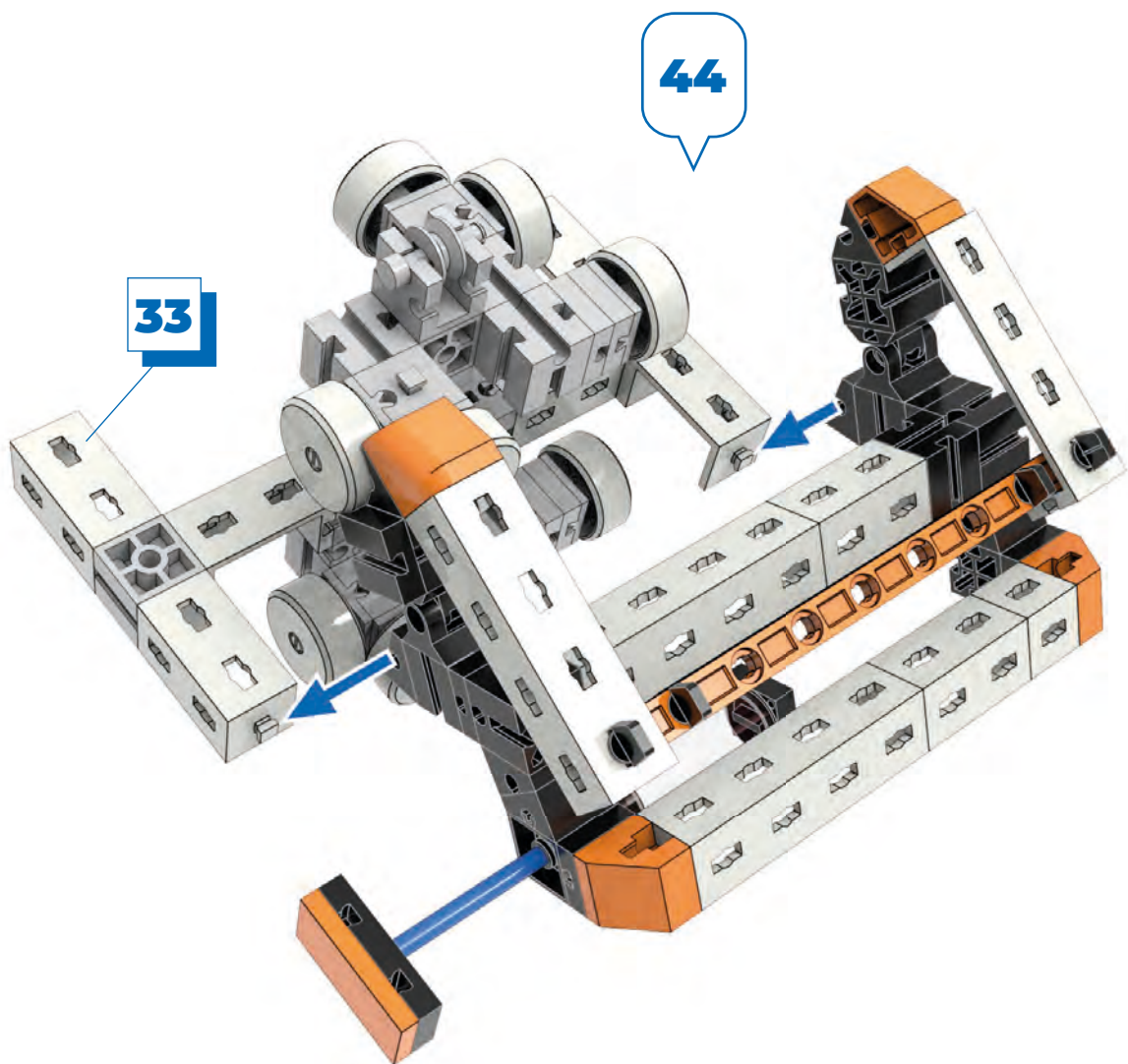


1x

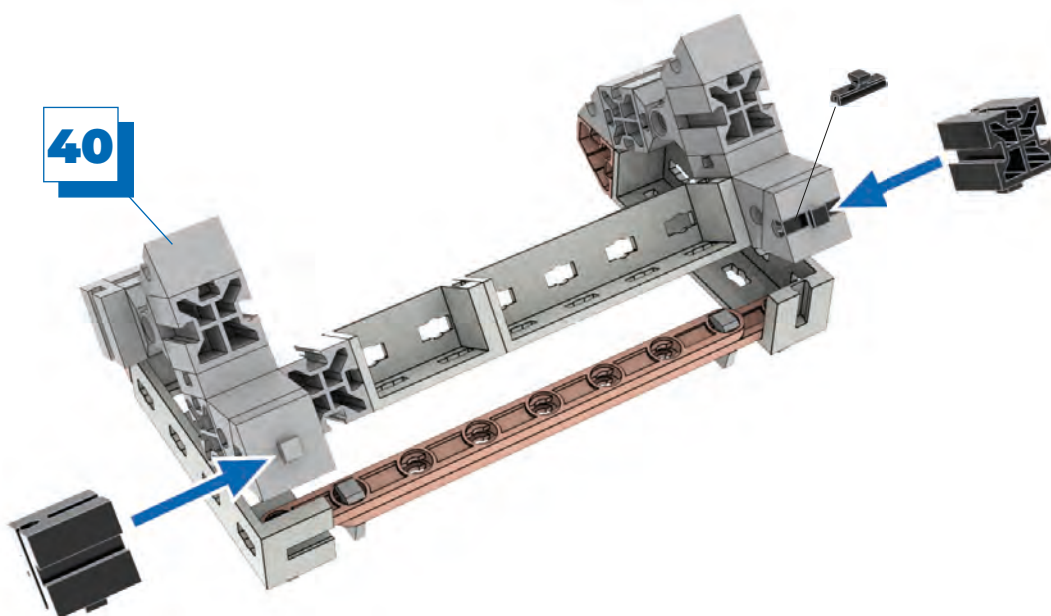


1x

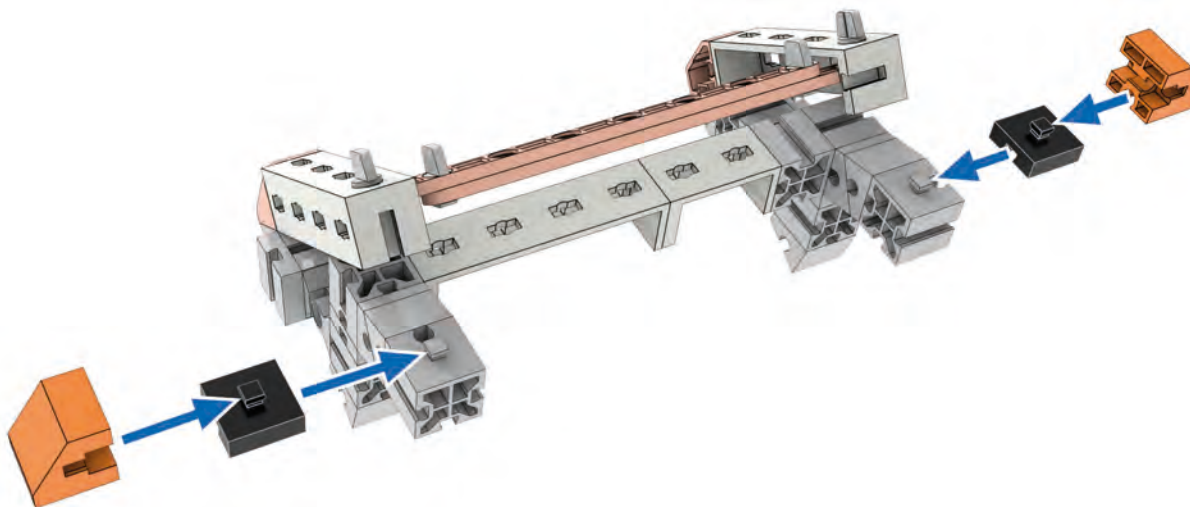




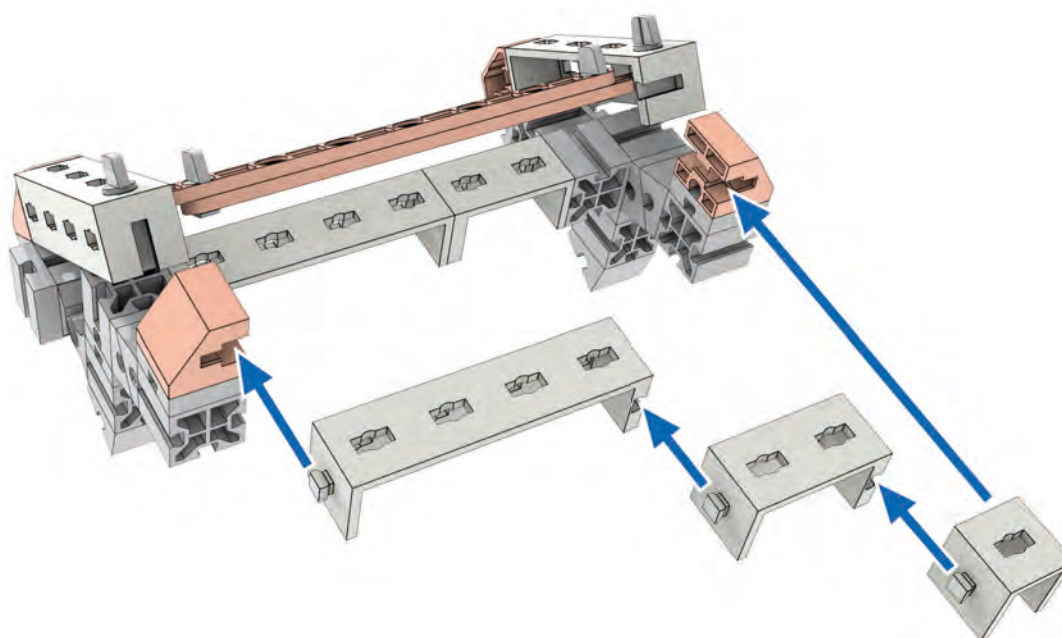
45  2x  1x



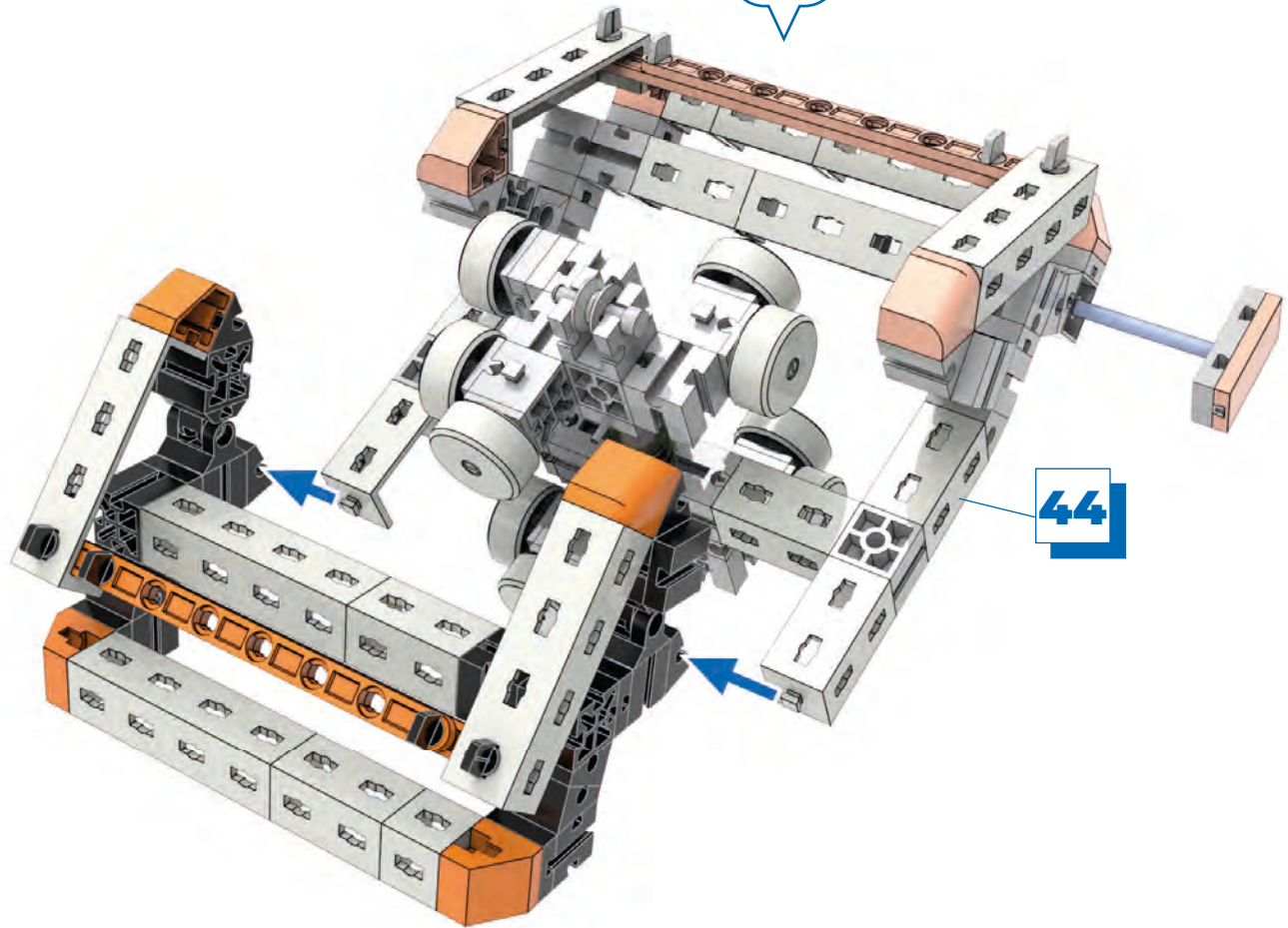
46  2x  2x



47  1x  1x  1x



48



49

180

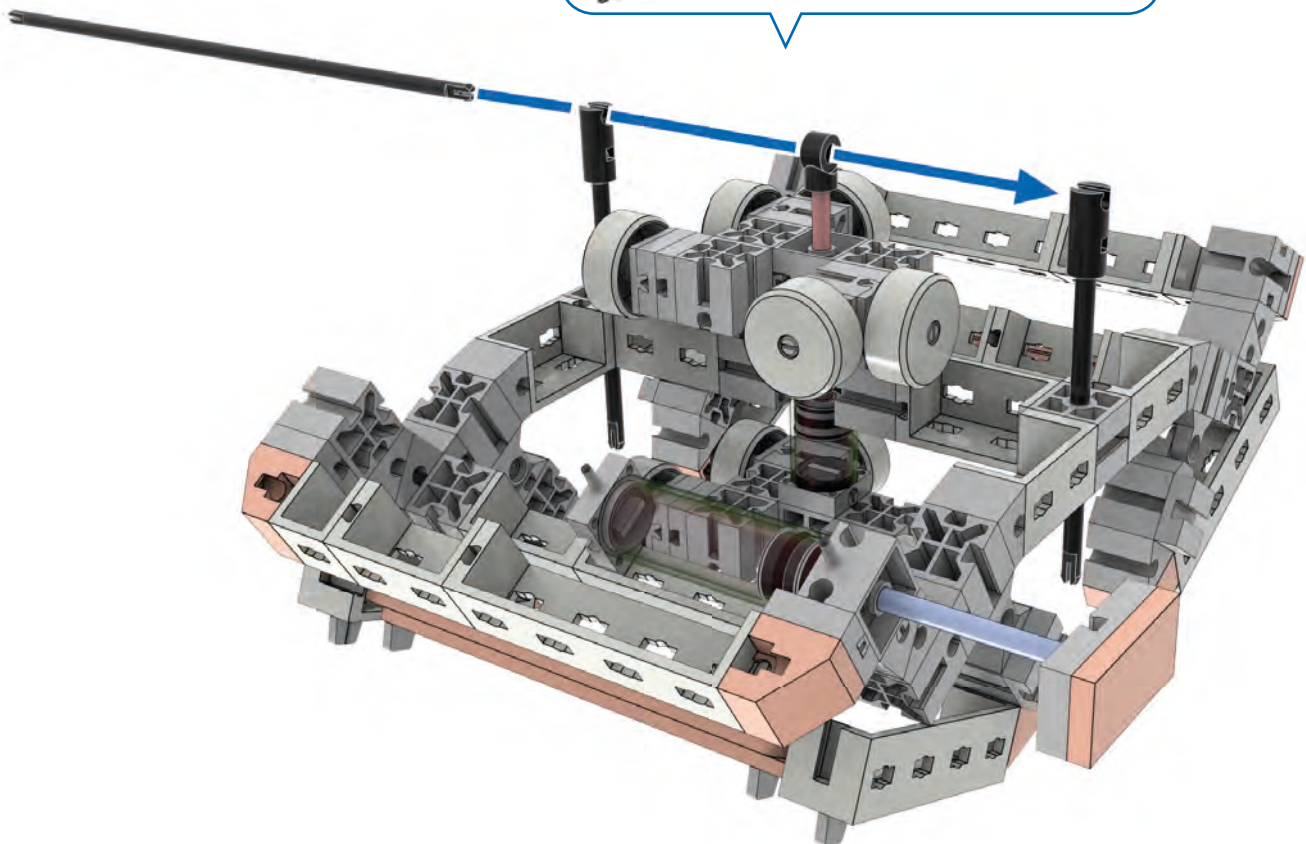
1x

75

2x

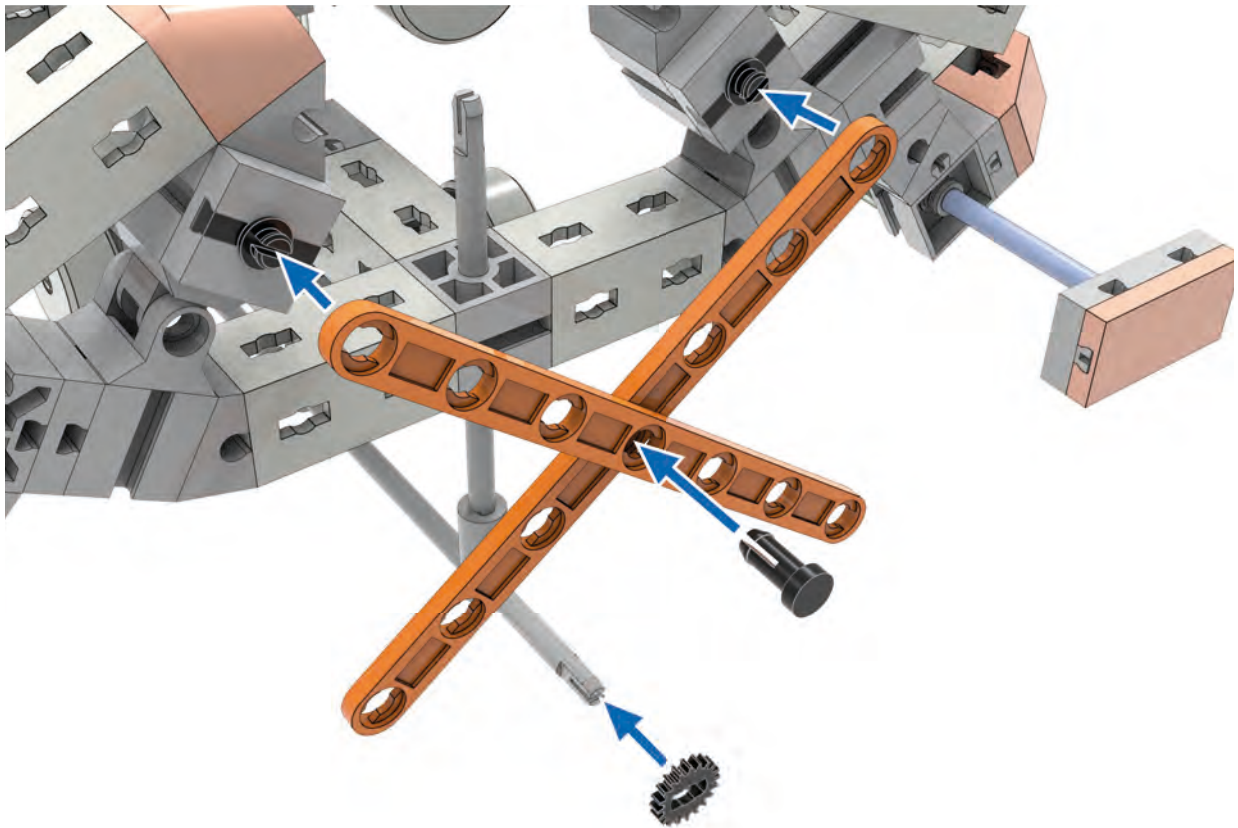
1x

2x



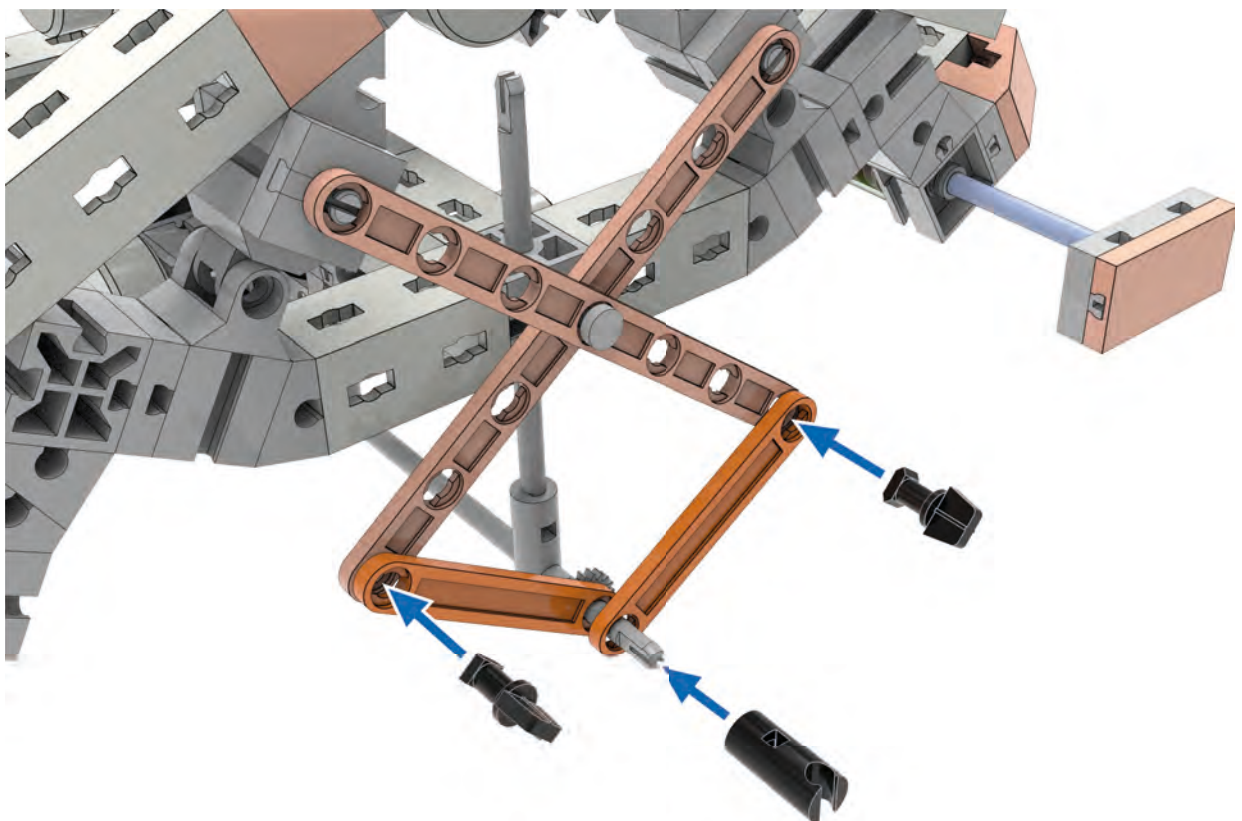
50

90 2x
2x 1x 1x



51

42,4 2x
1x 6 2x



52

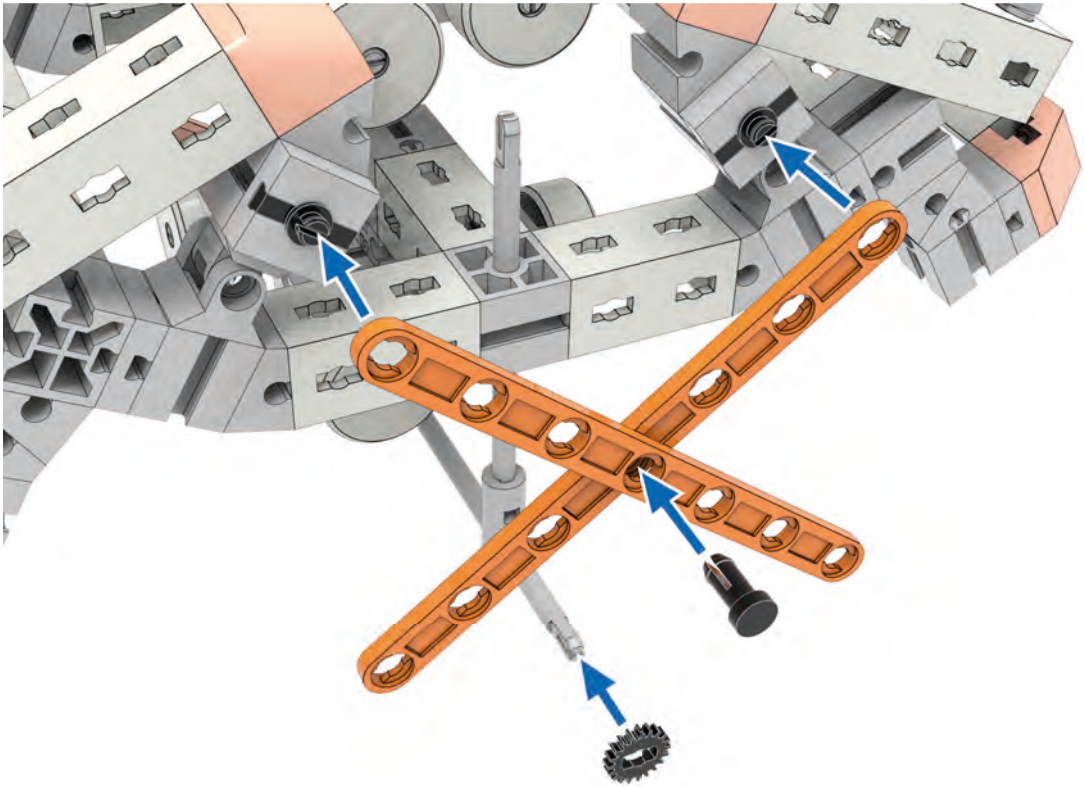
90

2x

2x

1x

1x



53

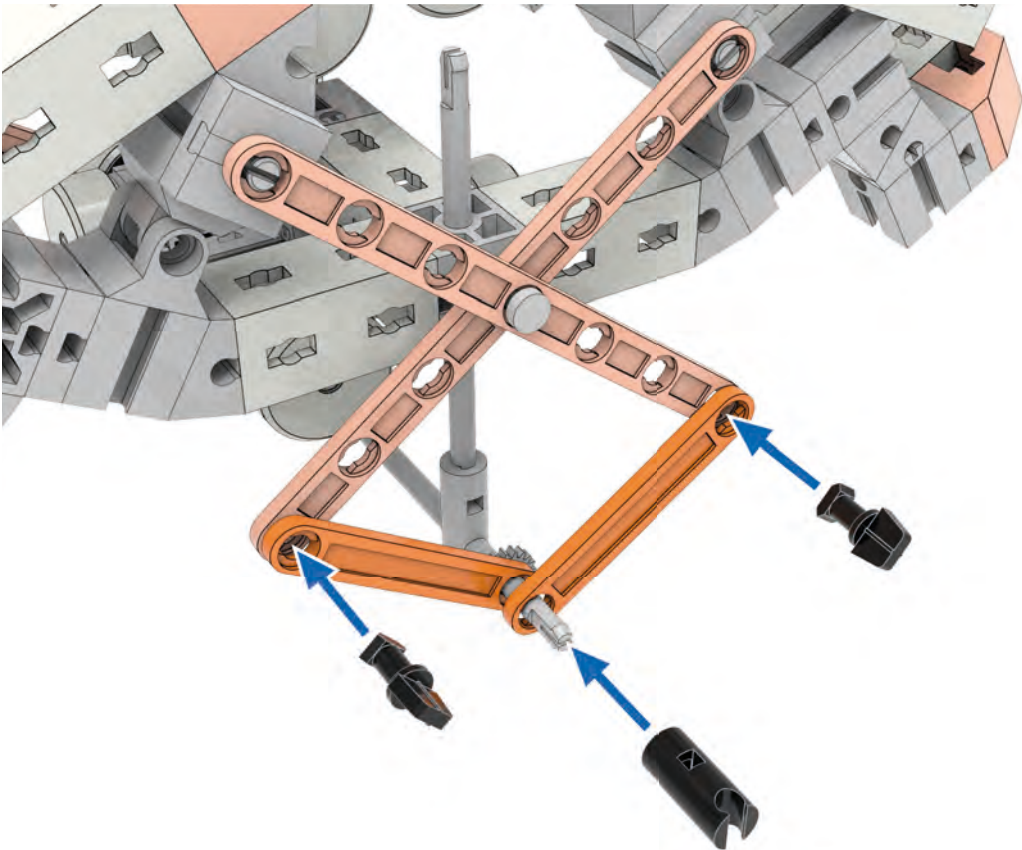
42,4

2x

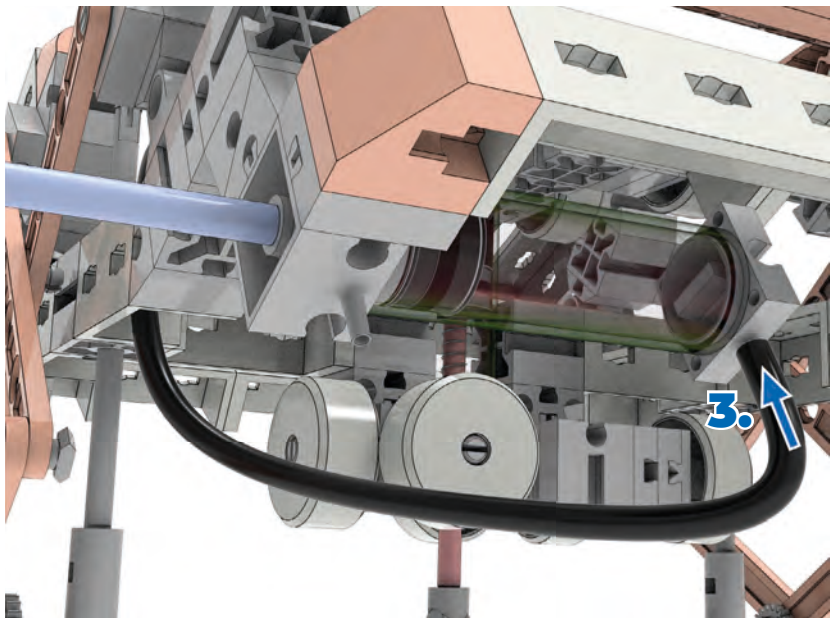
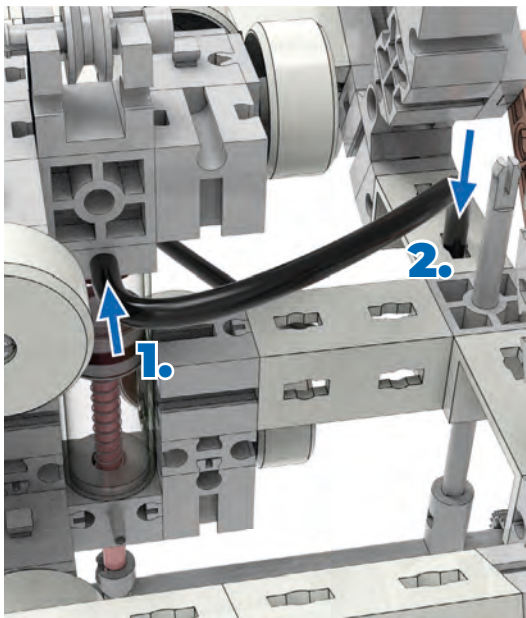
1x

6

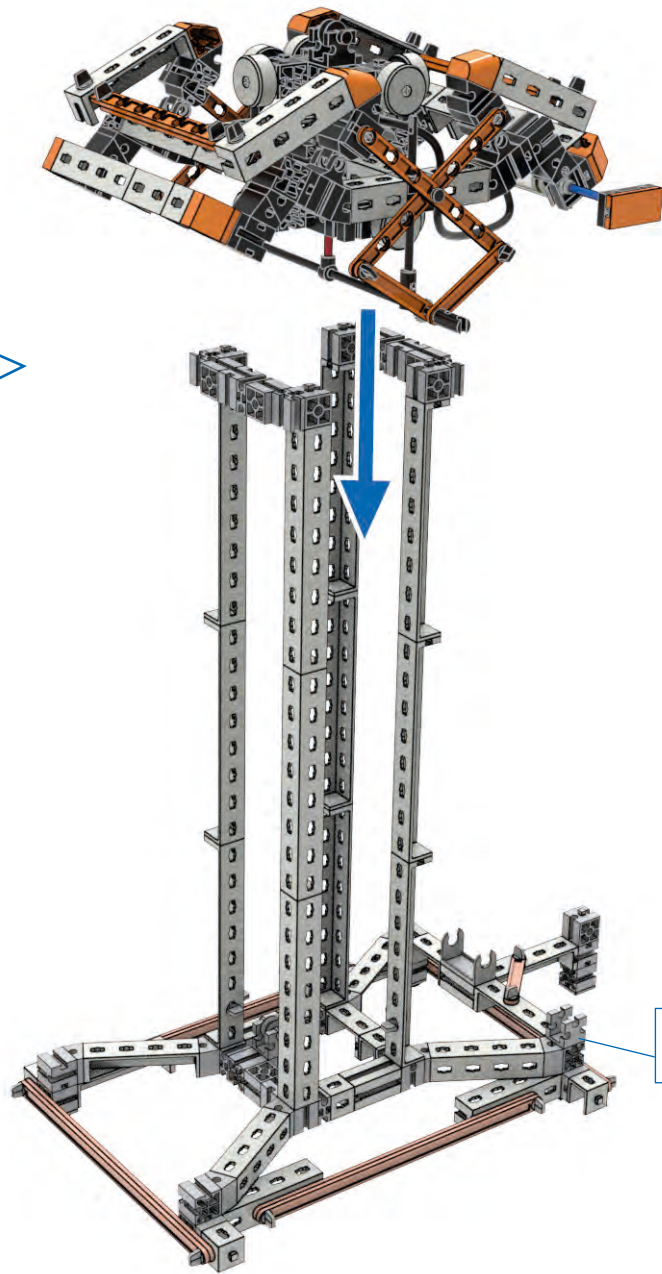
2x



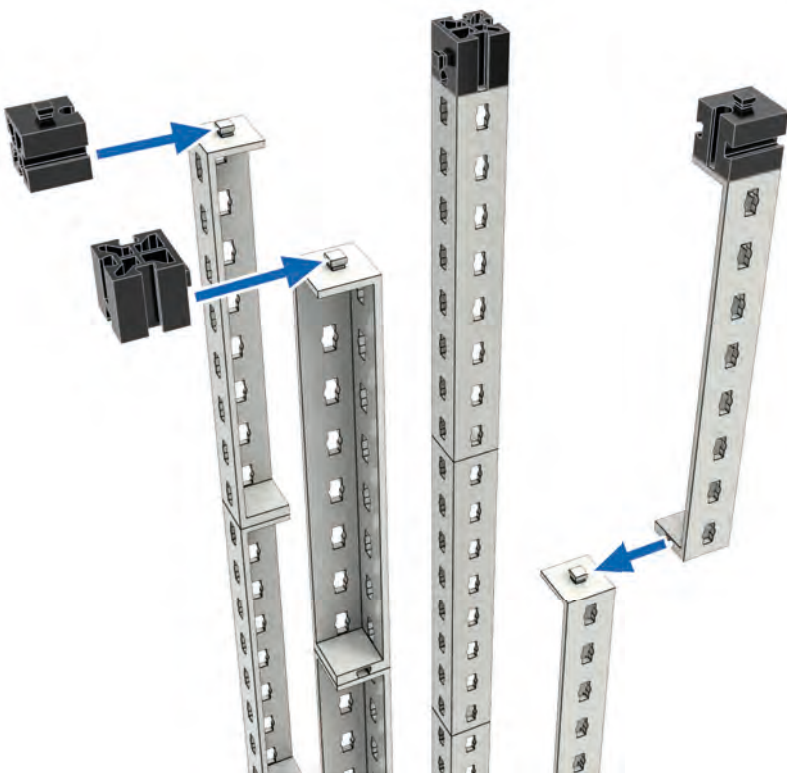
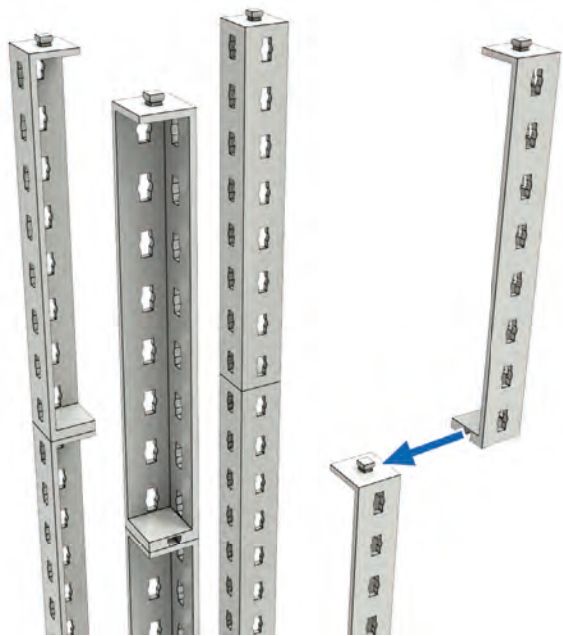
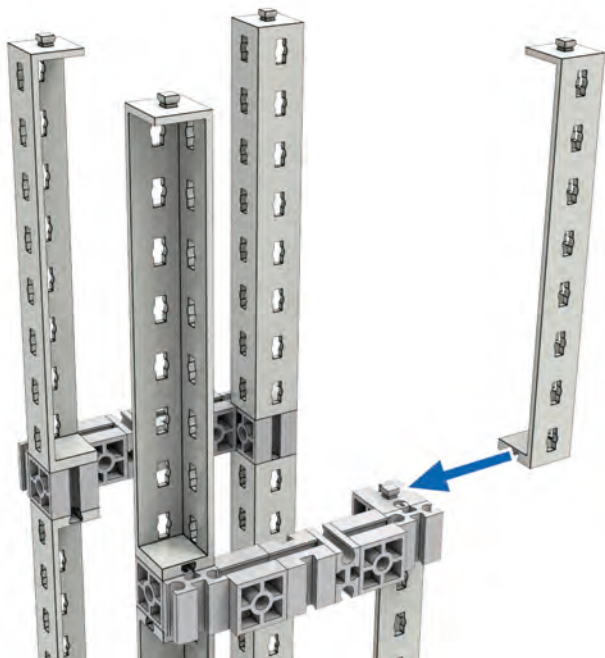
54 1x
25cm



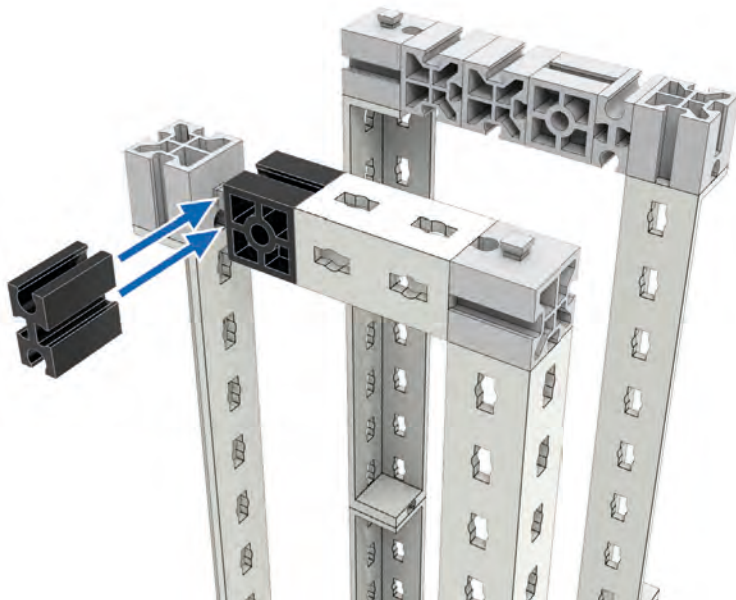
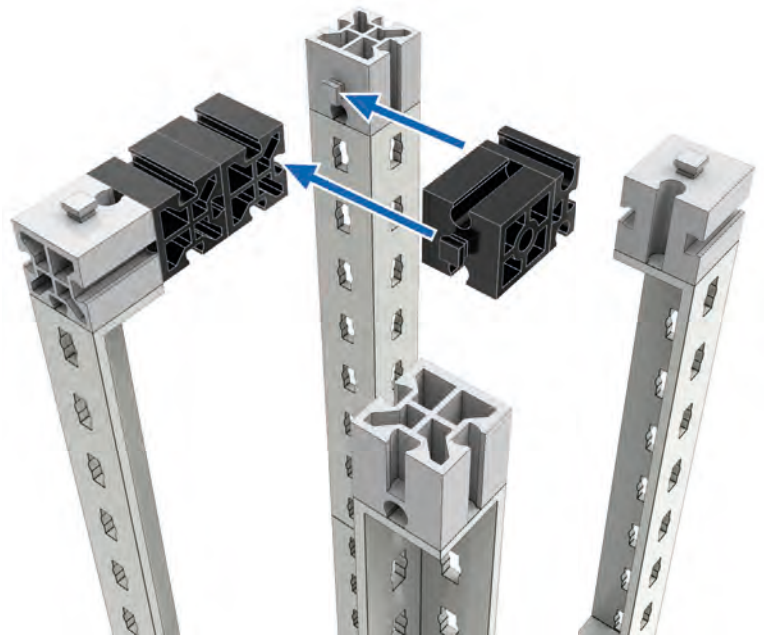
55



21

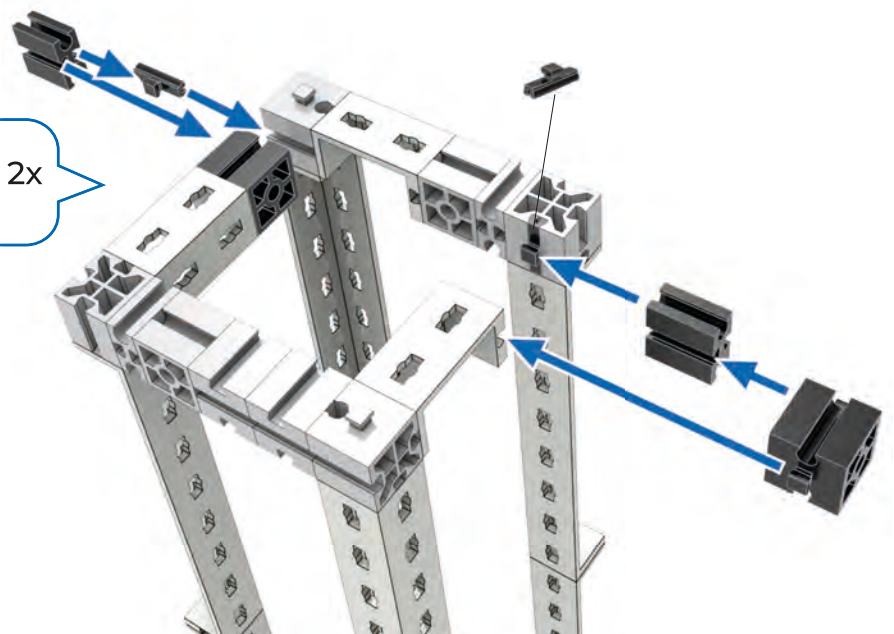


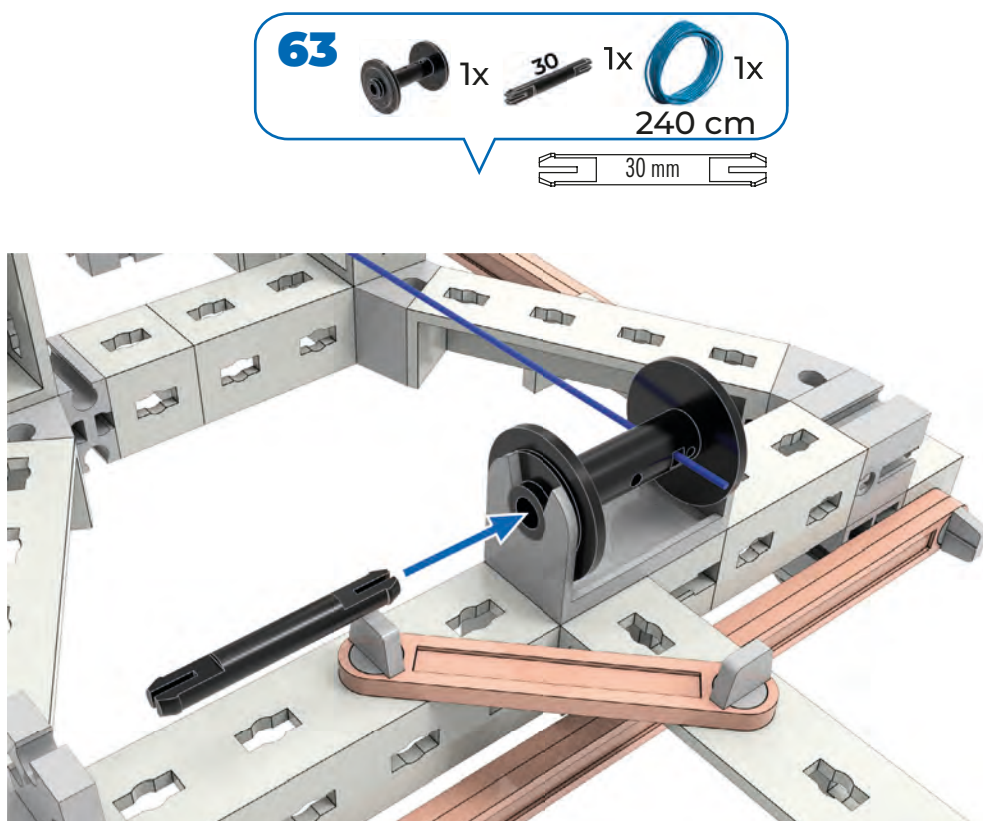
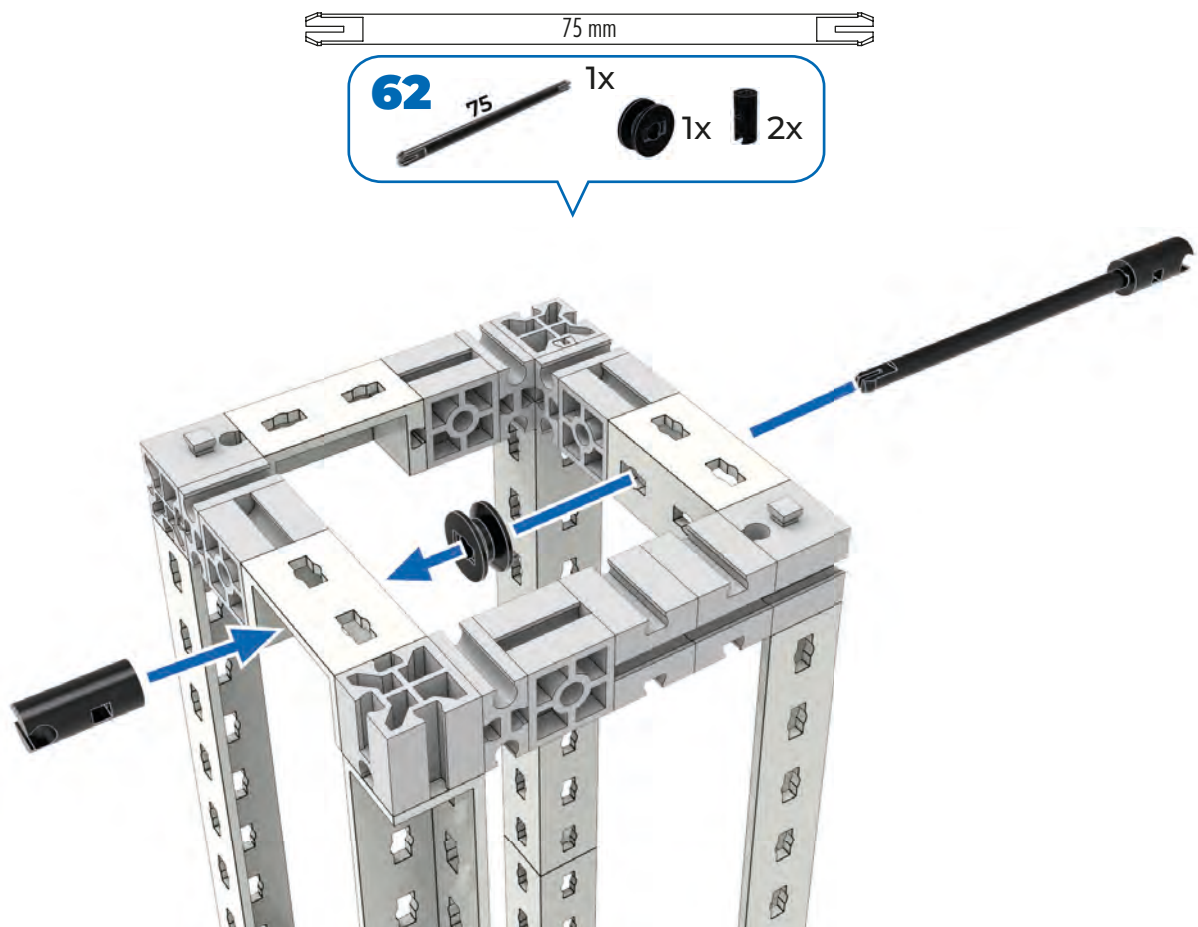
59 2x 1x 1x

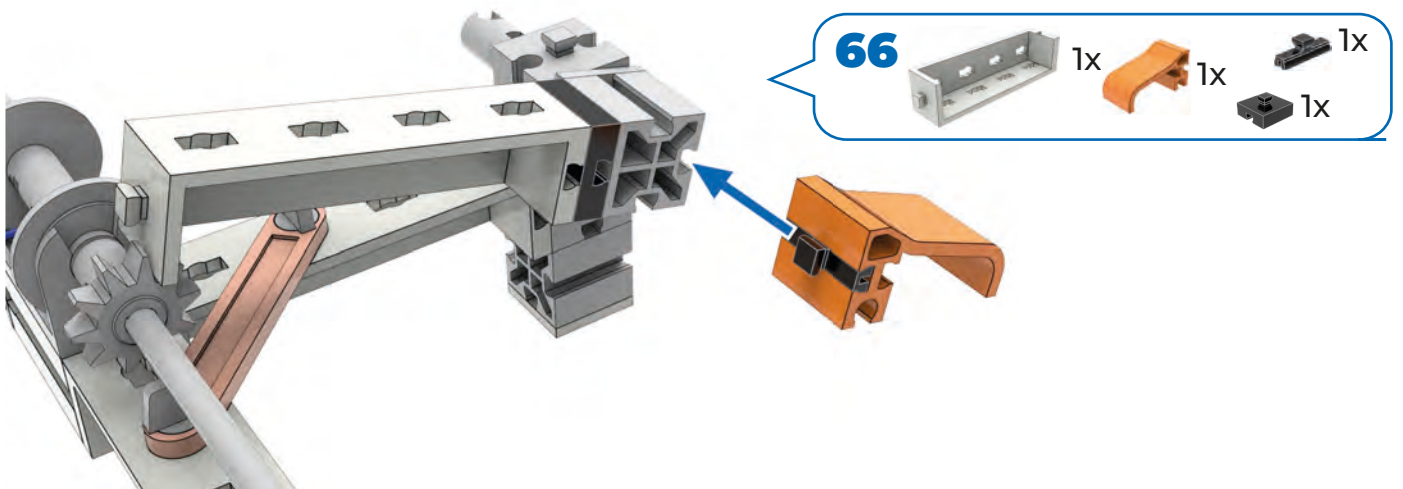
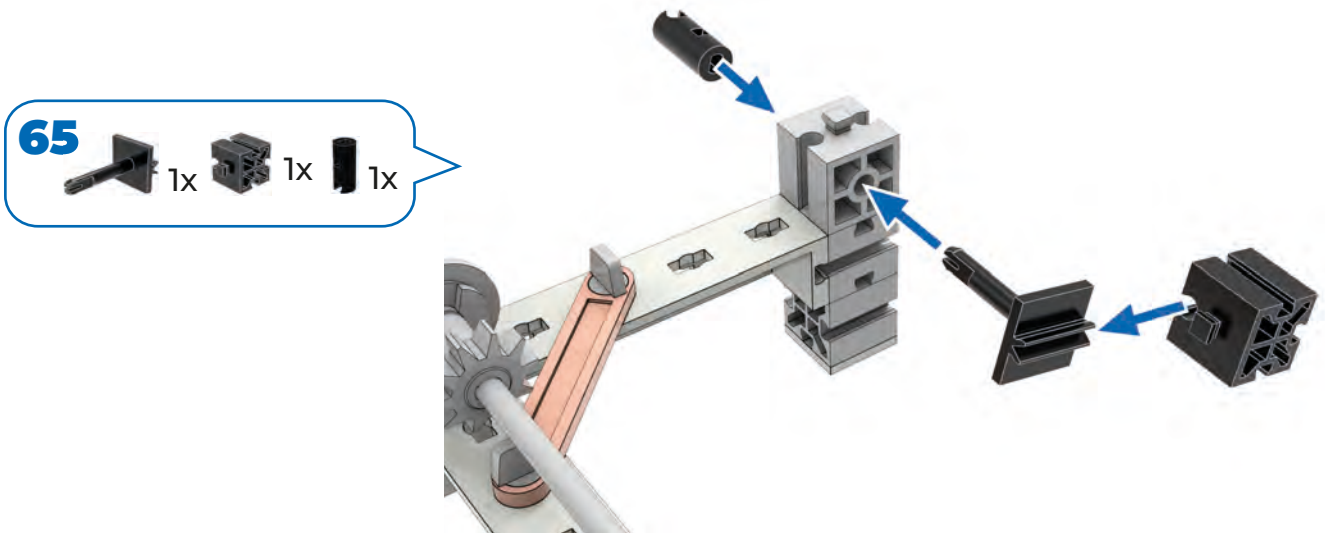
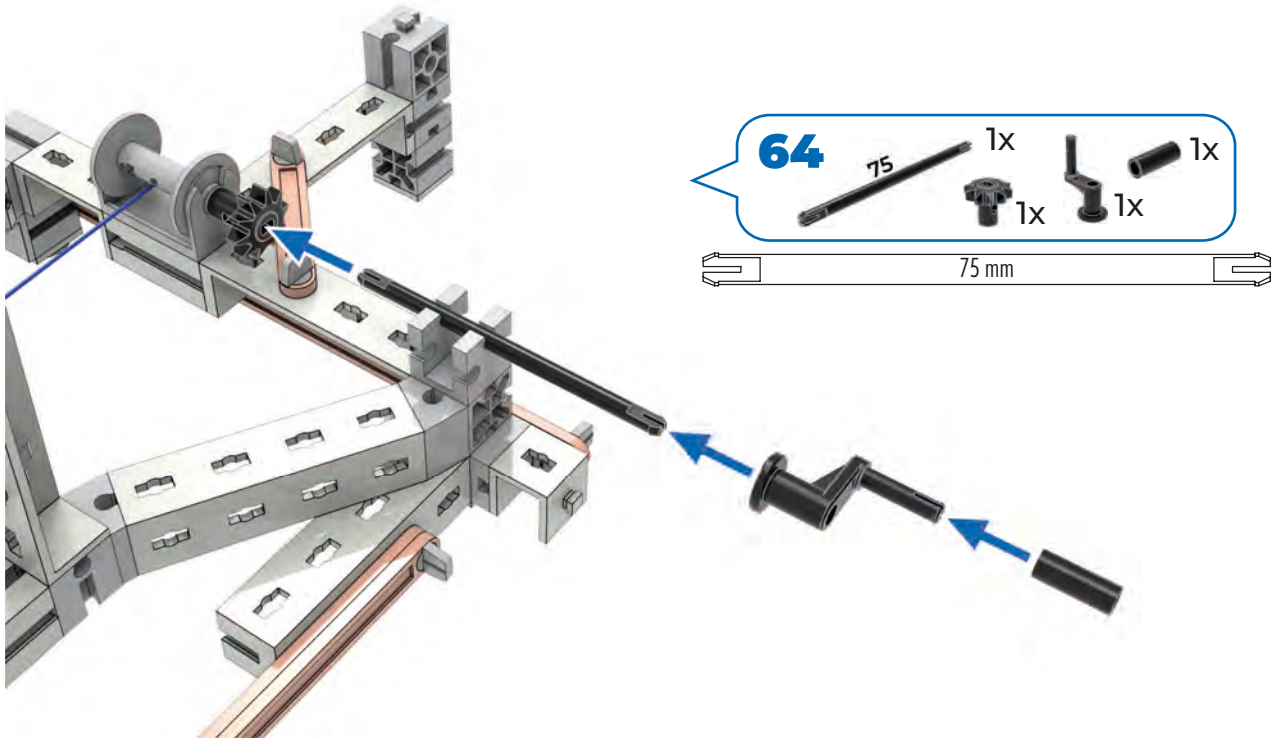


60 1x 1x 1x

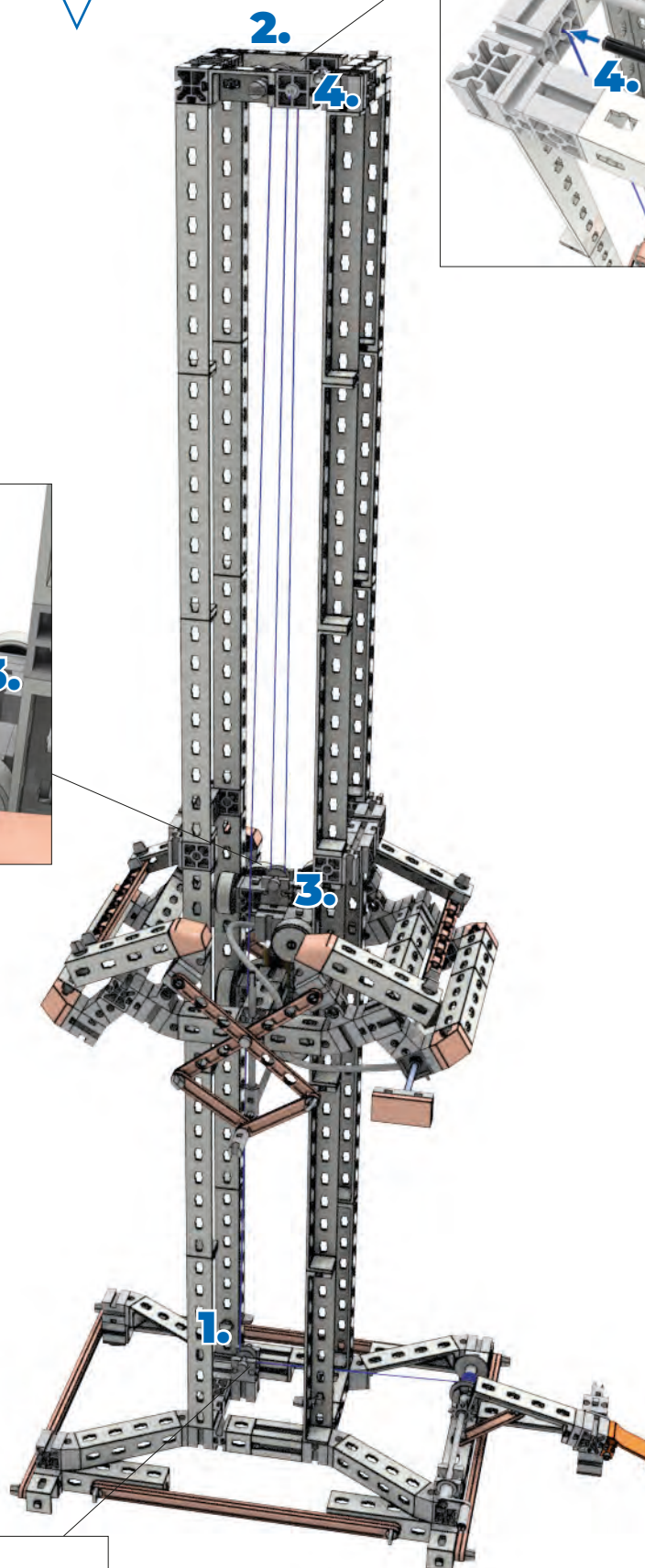
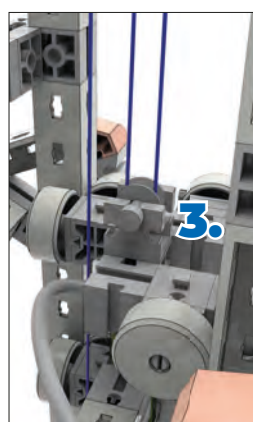
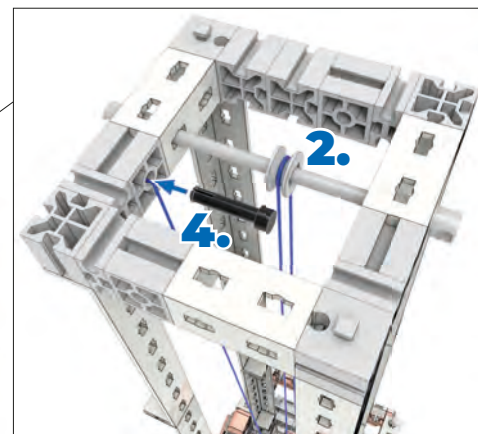
61 2x 2x 2x 2x







67 1x



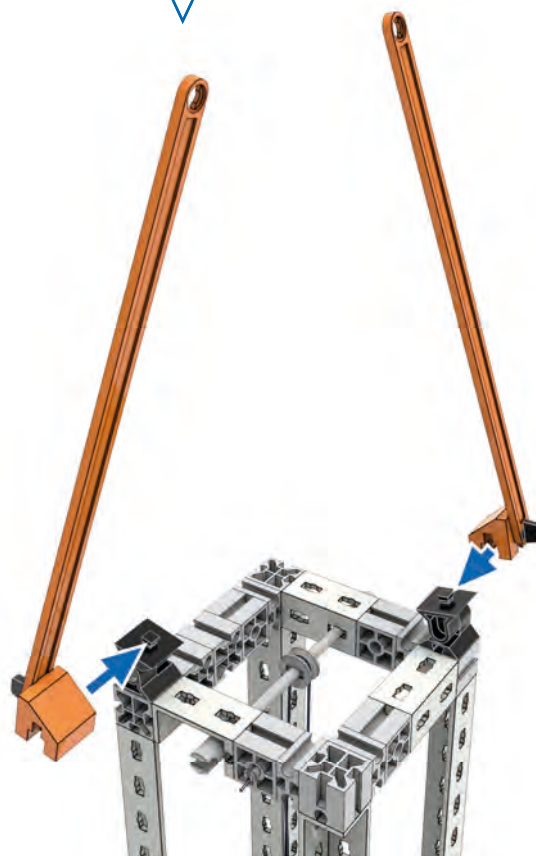
68

169,6 2x

2x

2x

4 2x



69

1x

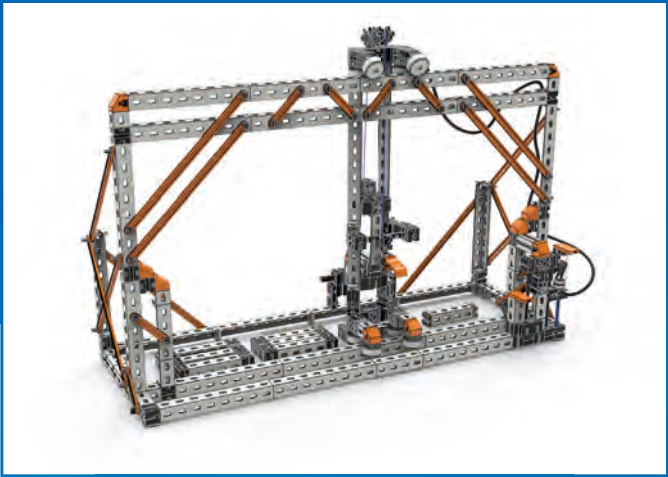
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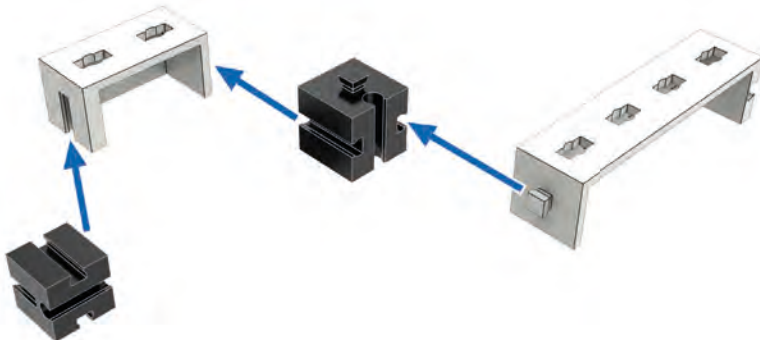
Tutorials &
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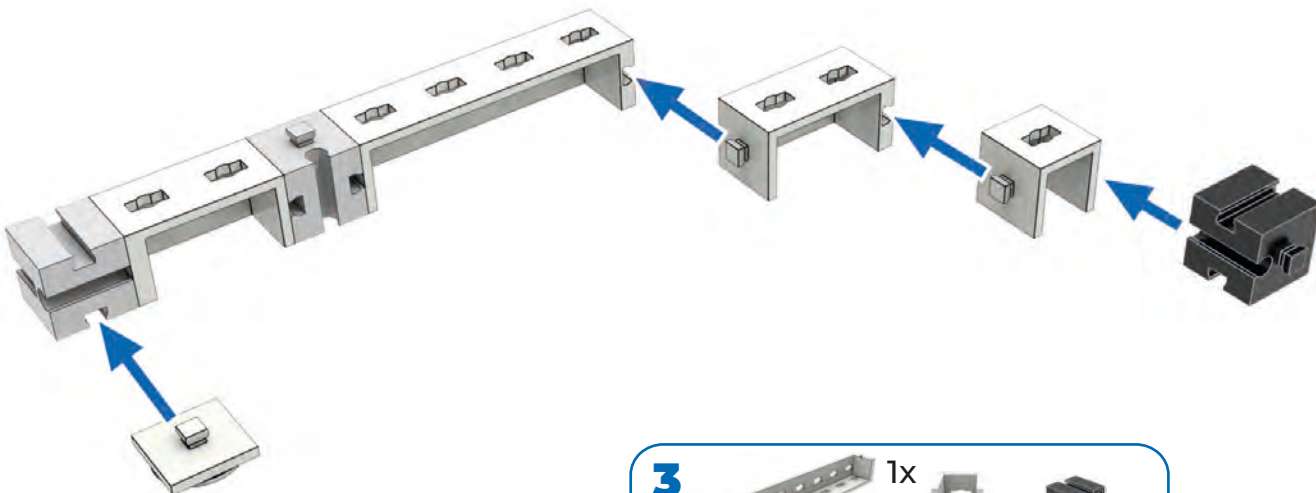


StapelChef StackMaster

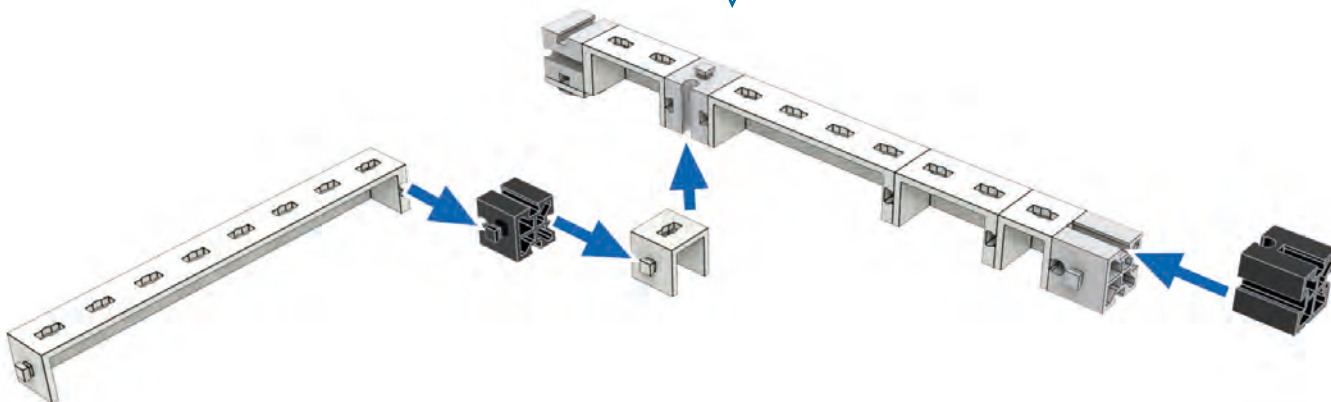
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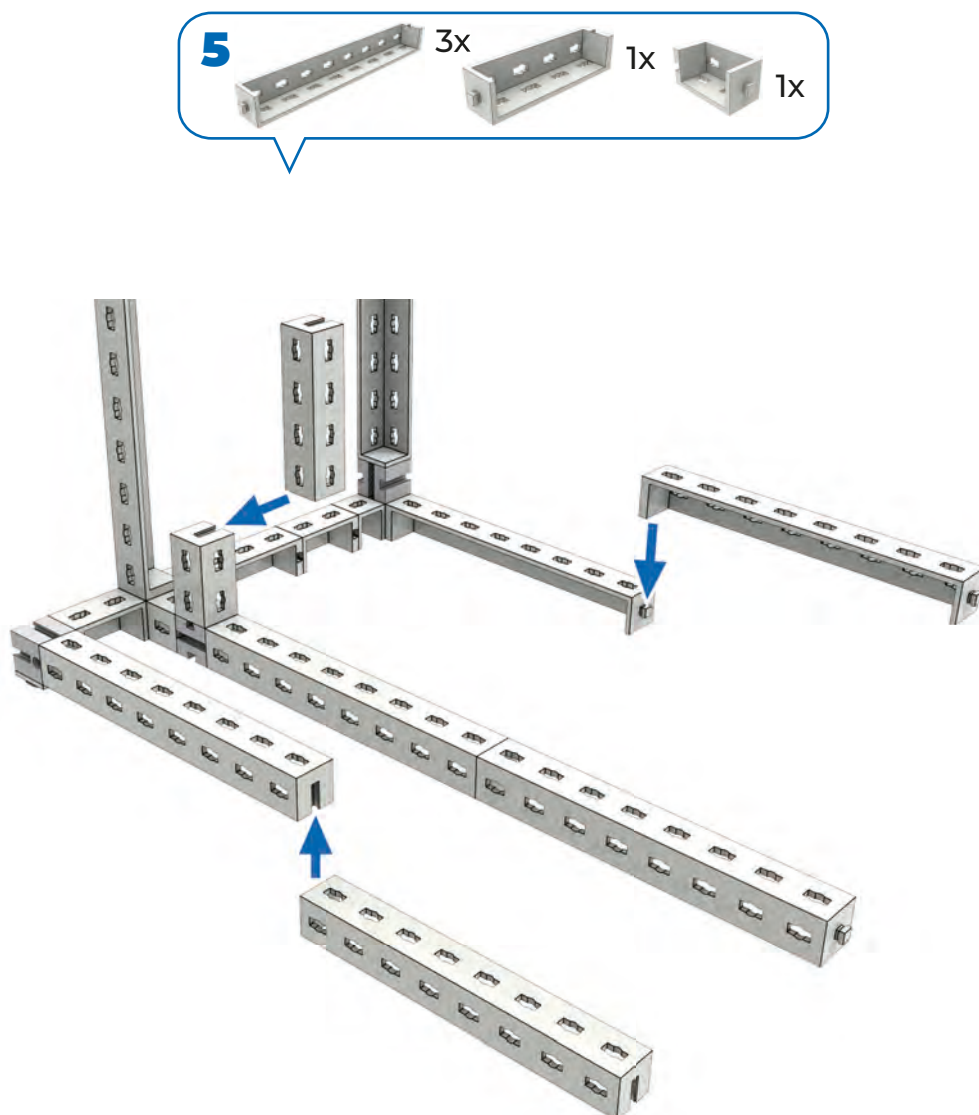
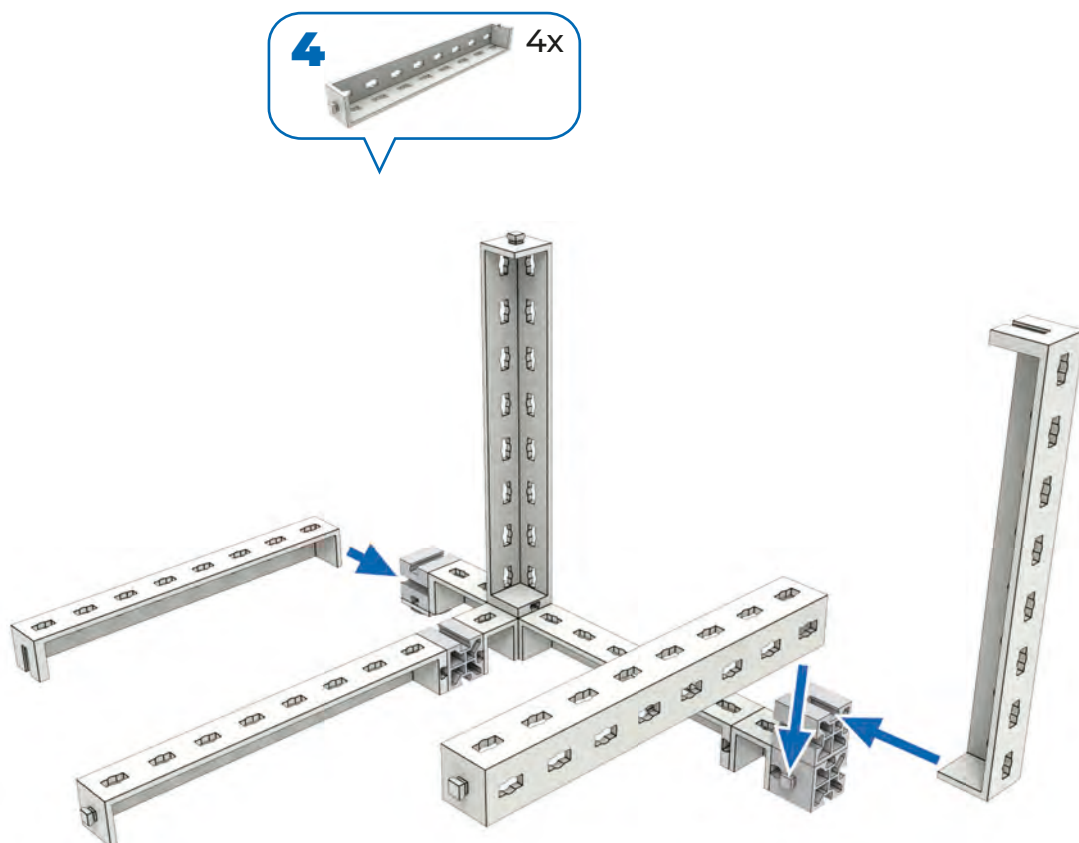


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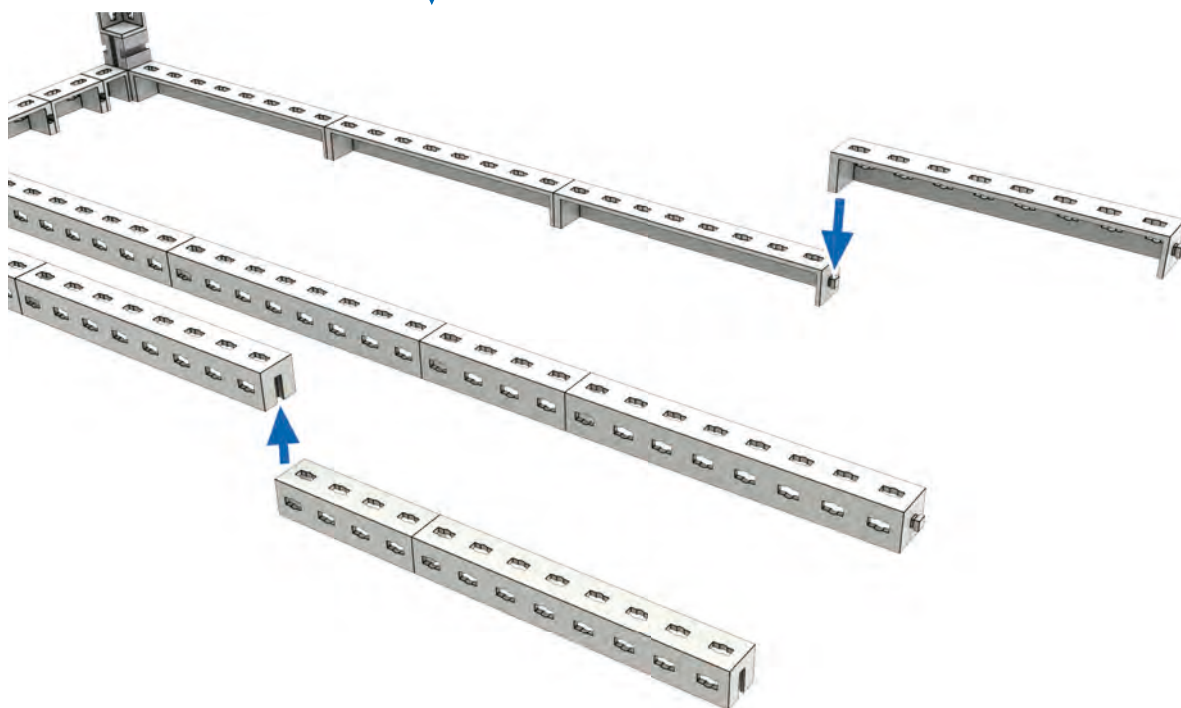


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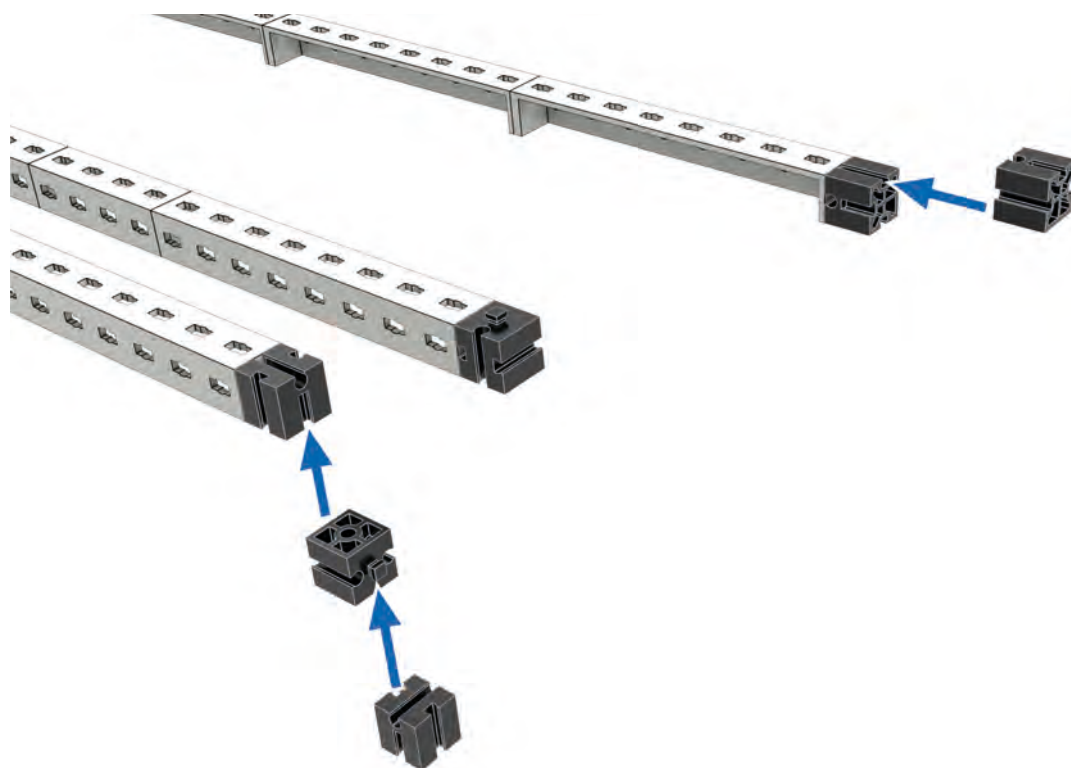




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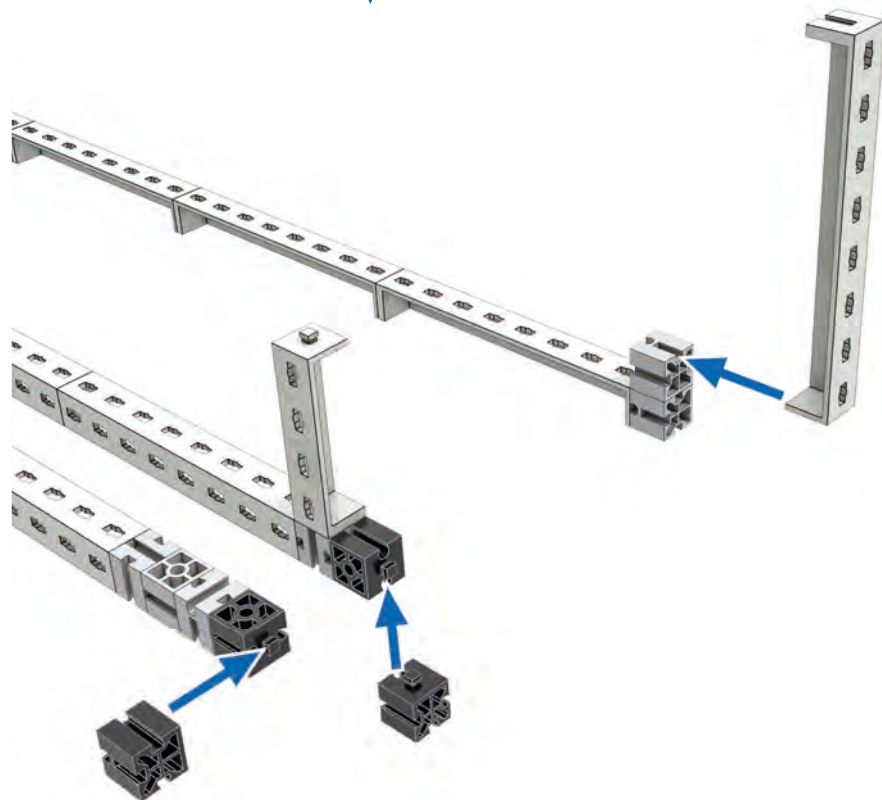


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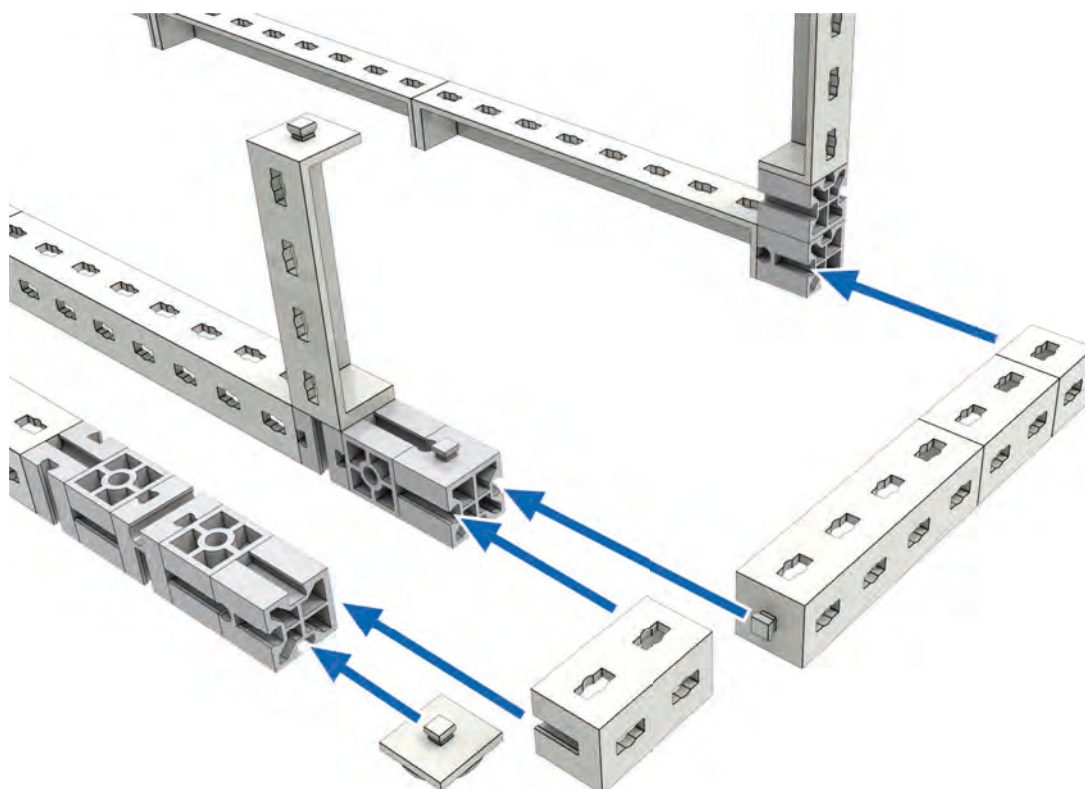
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1x 1x 1x 2x 2x



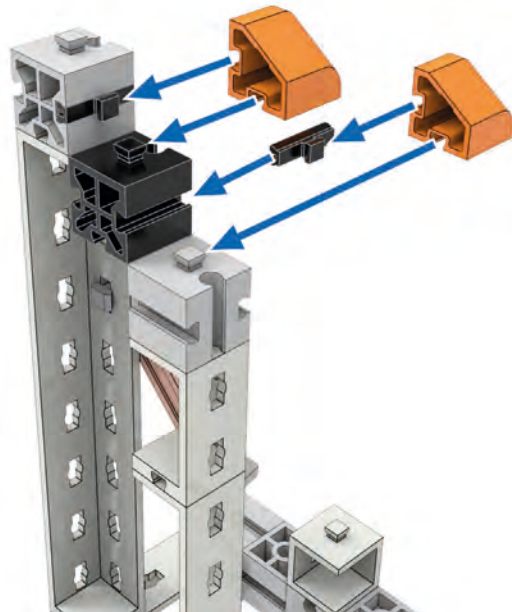
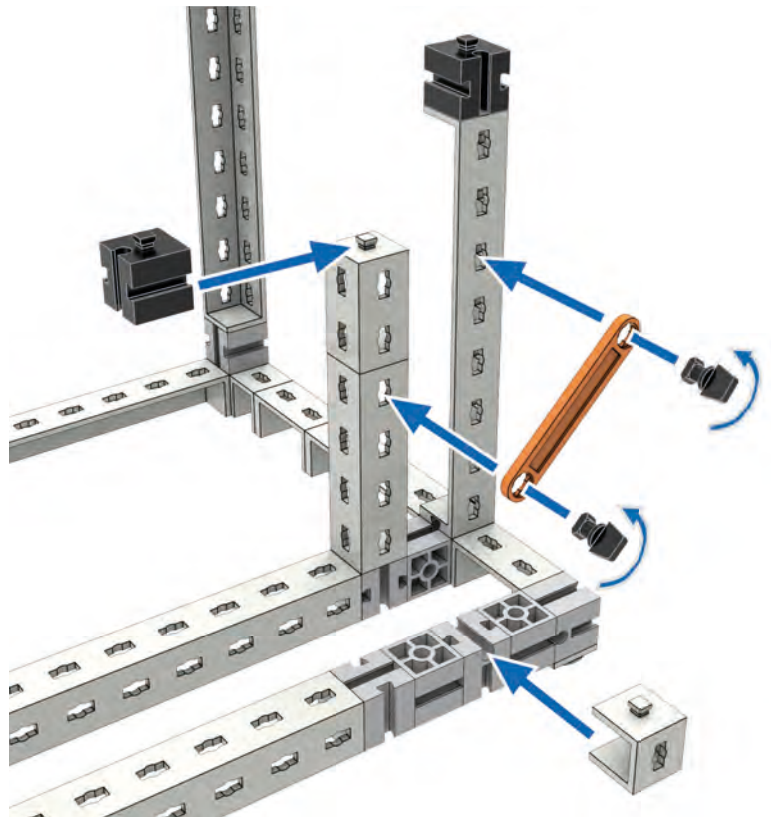
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1x 2x 1x 1x



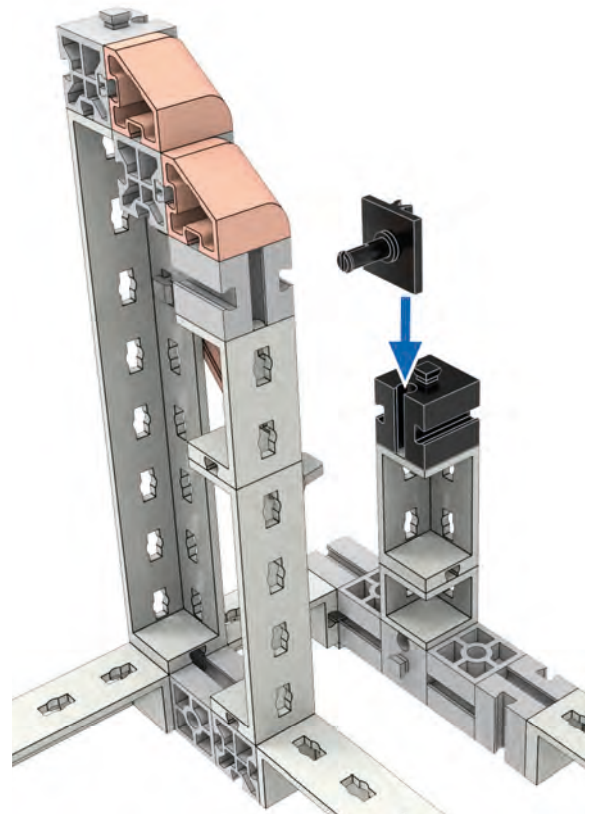
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42,4 1x 2x 4 2x 1x



11

2x 1x 2x

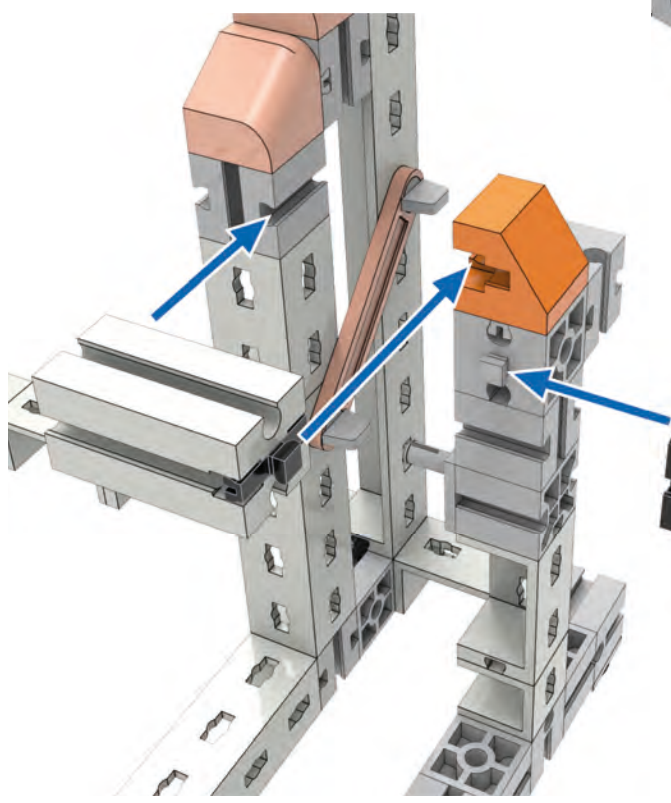
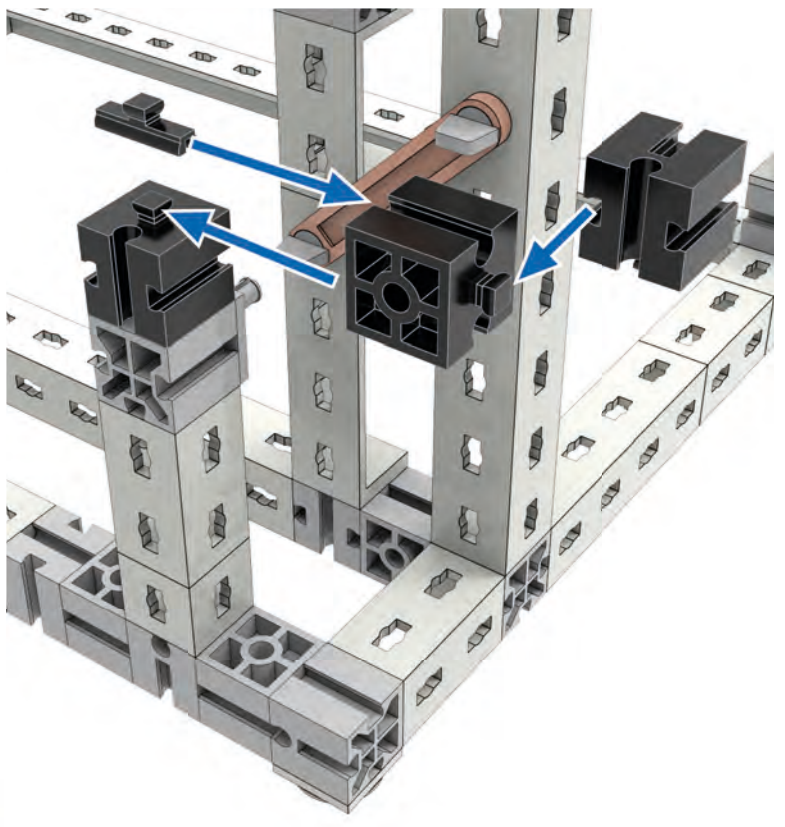


12

1x 1x

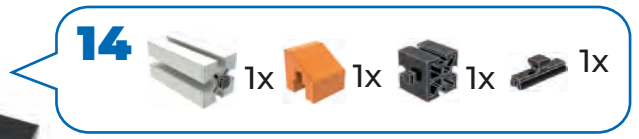
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2x 1x 1x



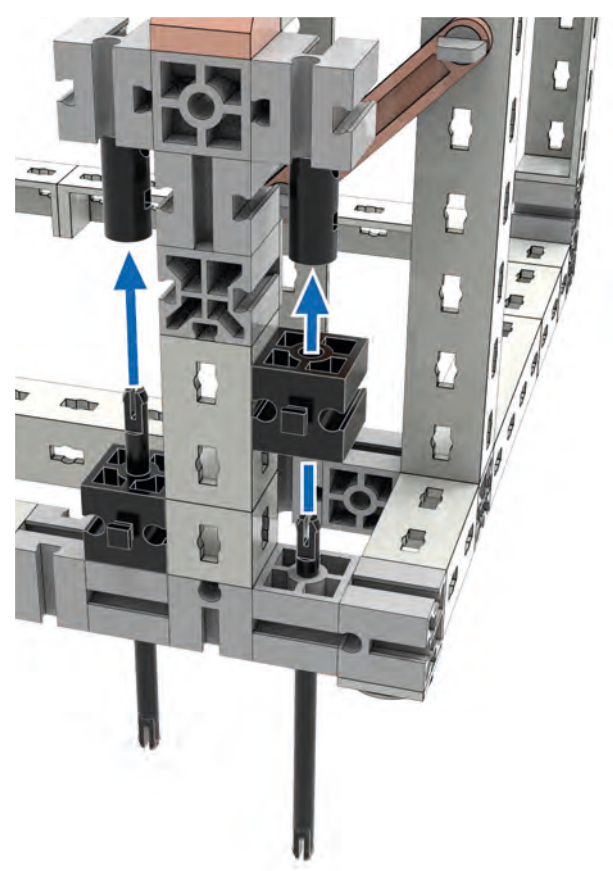
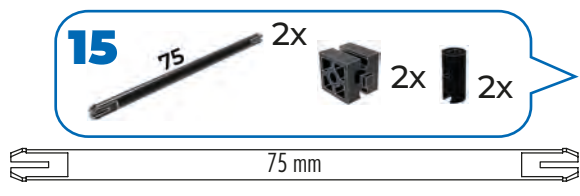
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1x 1x 1x 1x



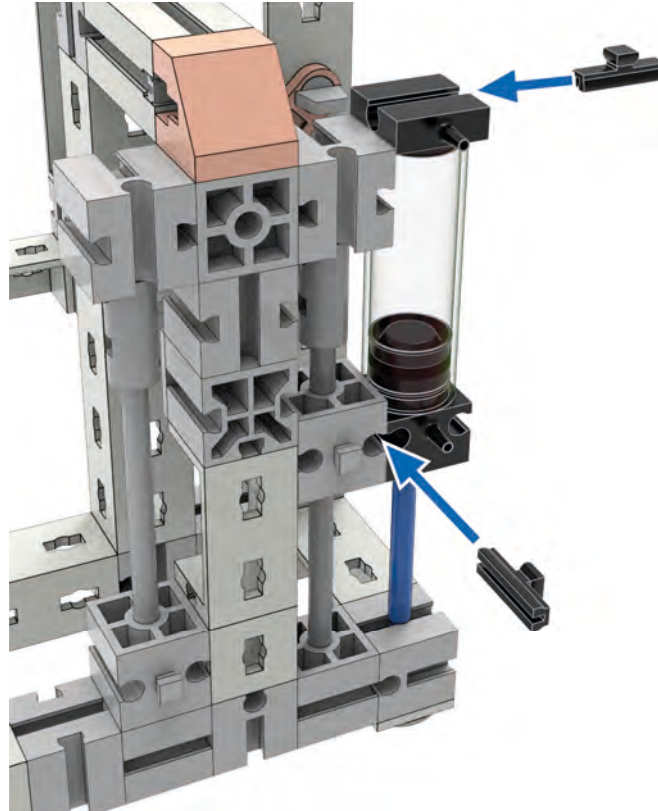
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75 2x 2x 2x



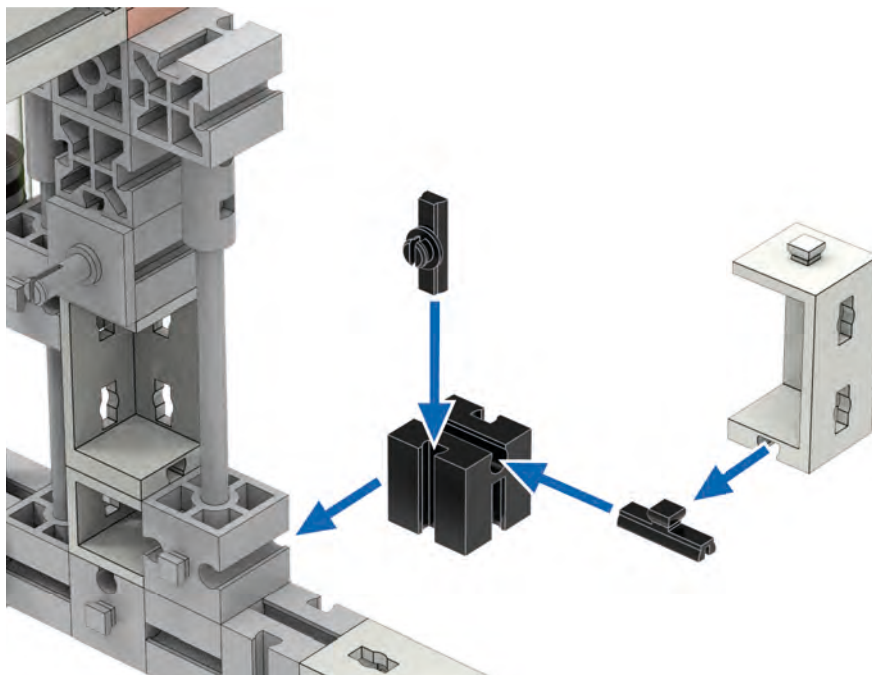
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1x 2x



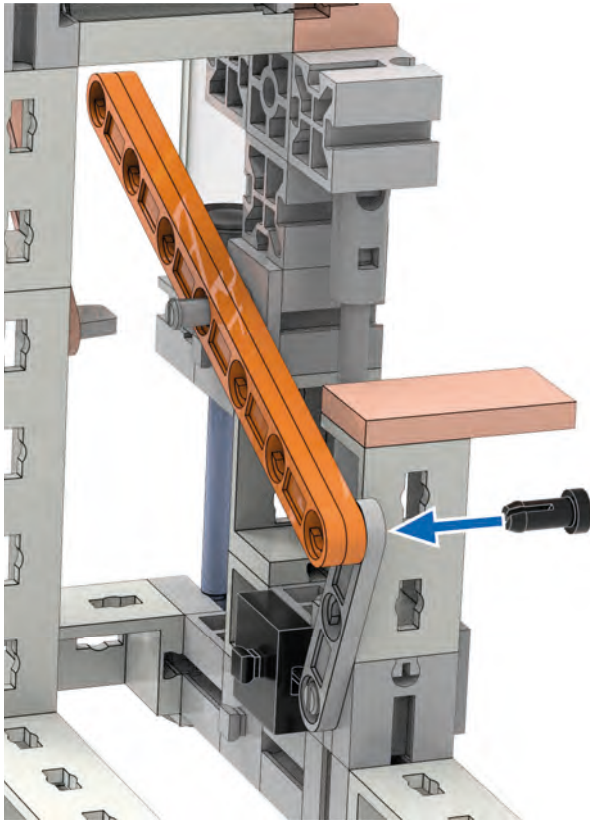
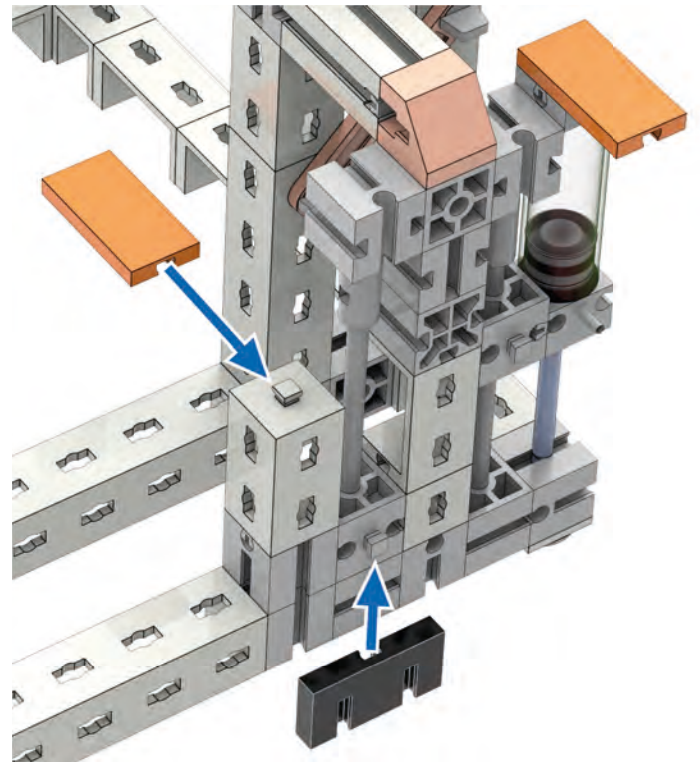
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1x 1x 1x 1x 1x



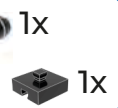
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1x 2x



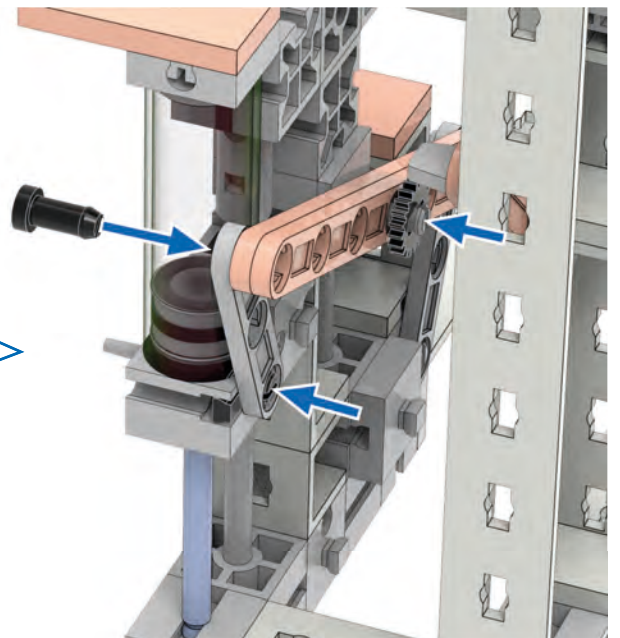
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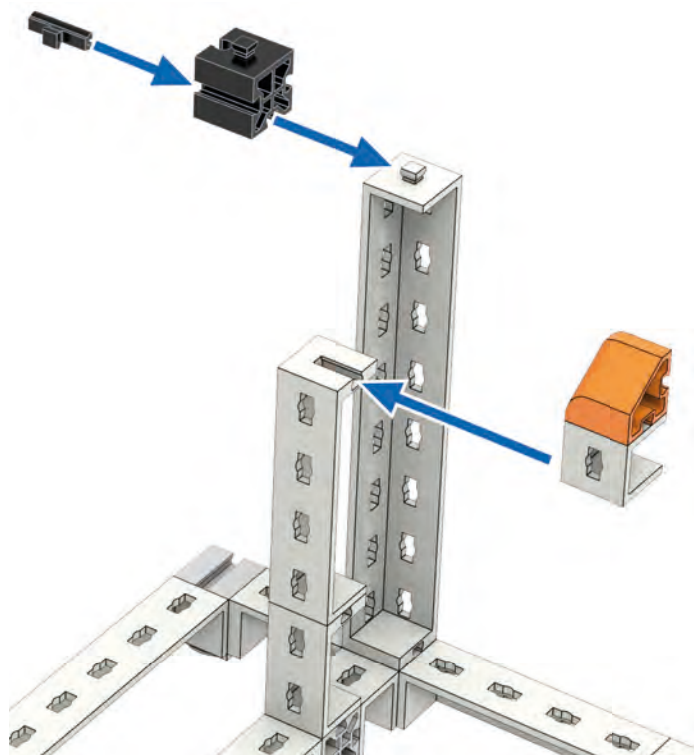
90 2x 30 1x 1x 1x



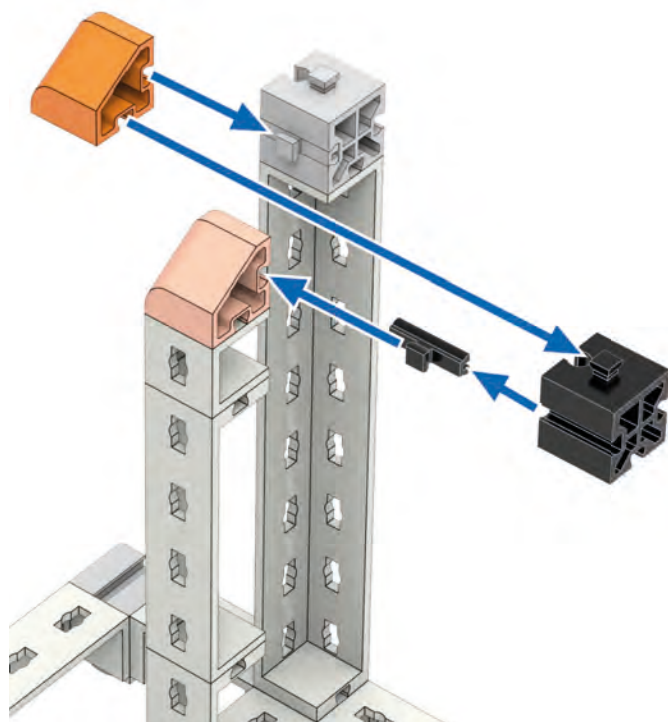
20

30 1x 1x 1x 1x

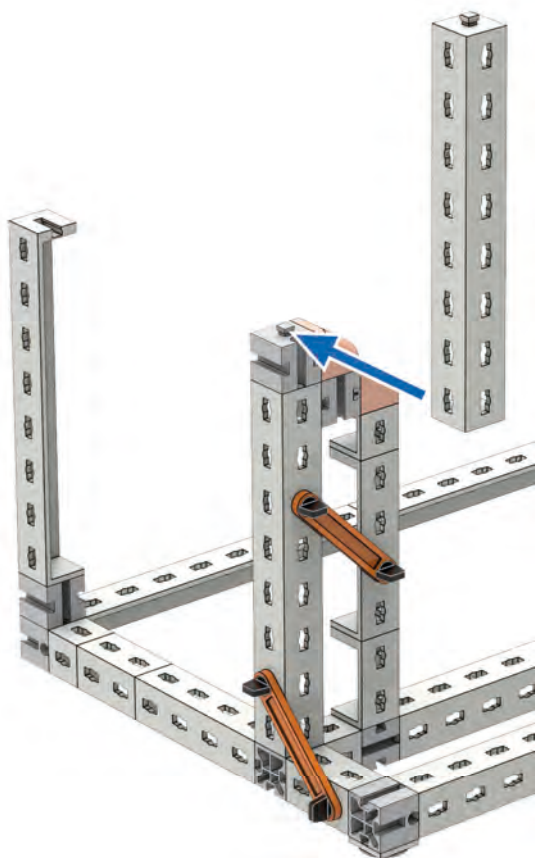




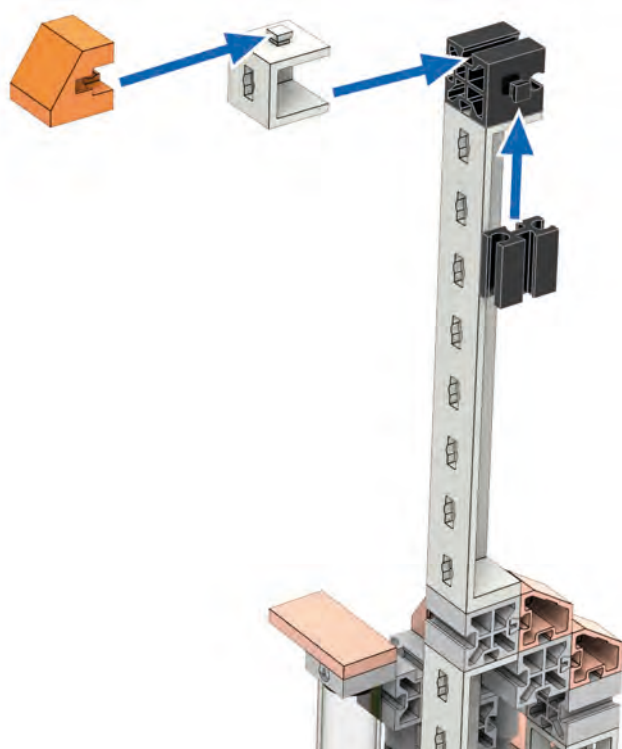
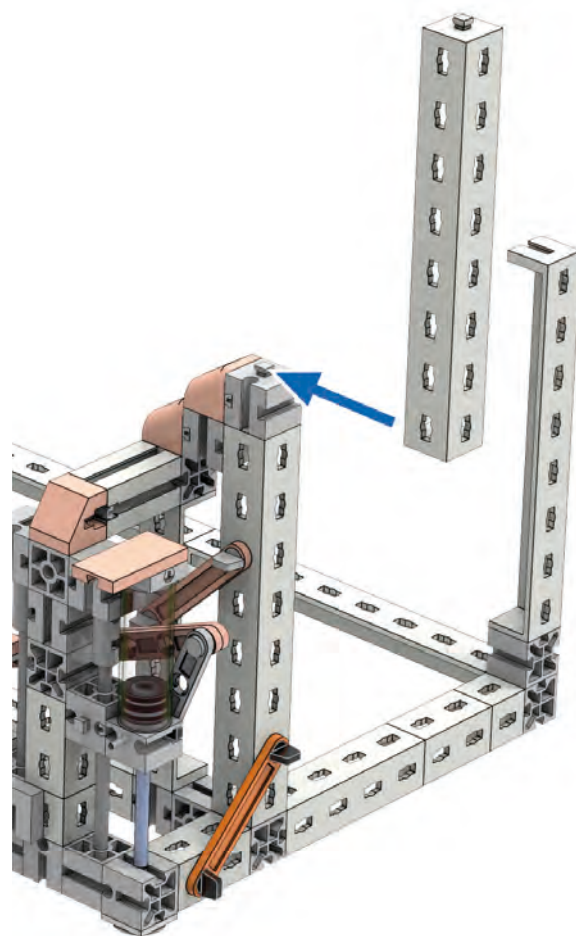
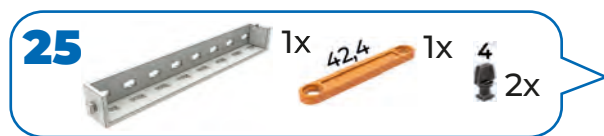
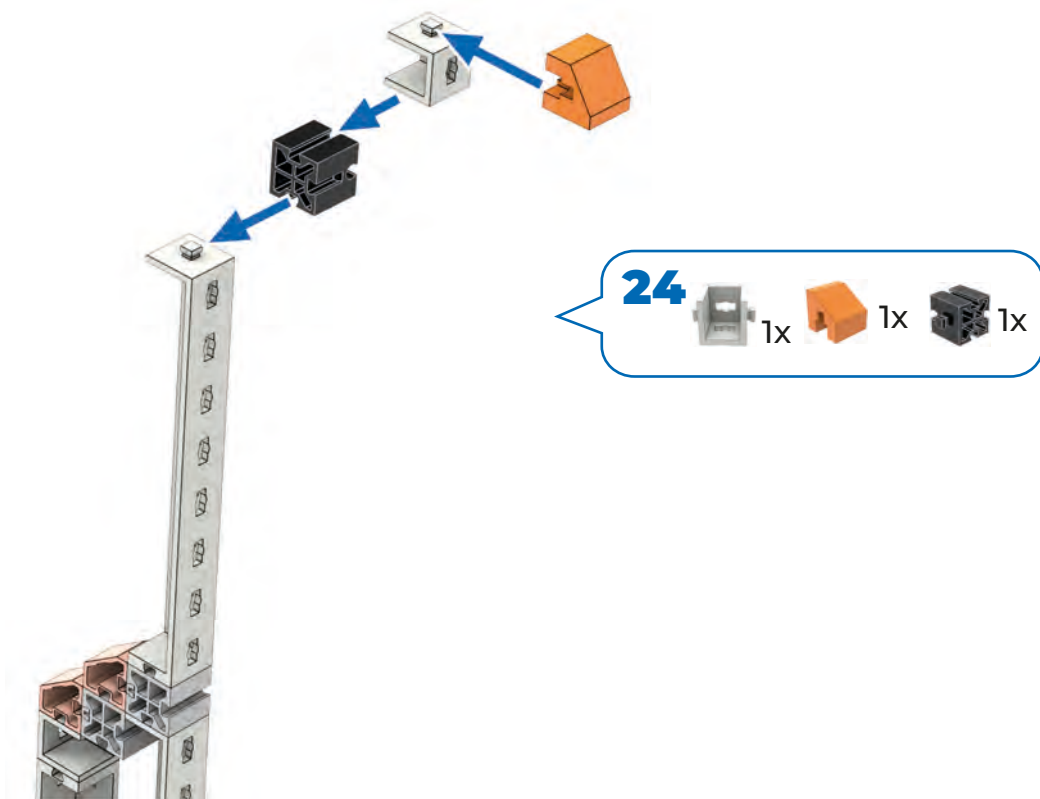
- 21** 1x 1x 1x 1x

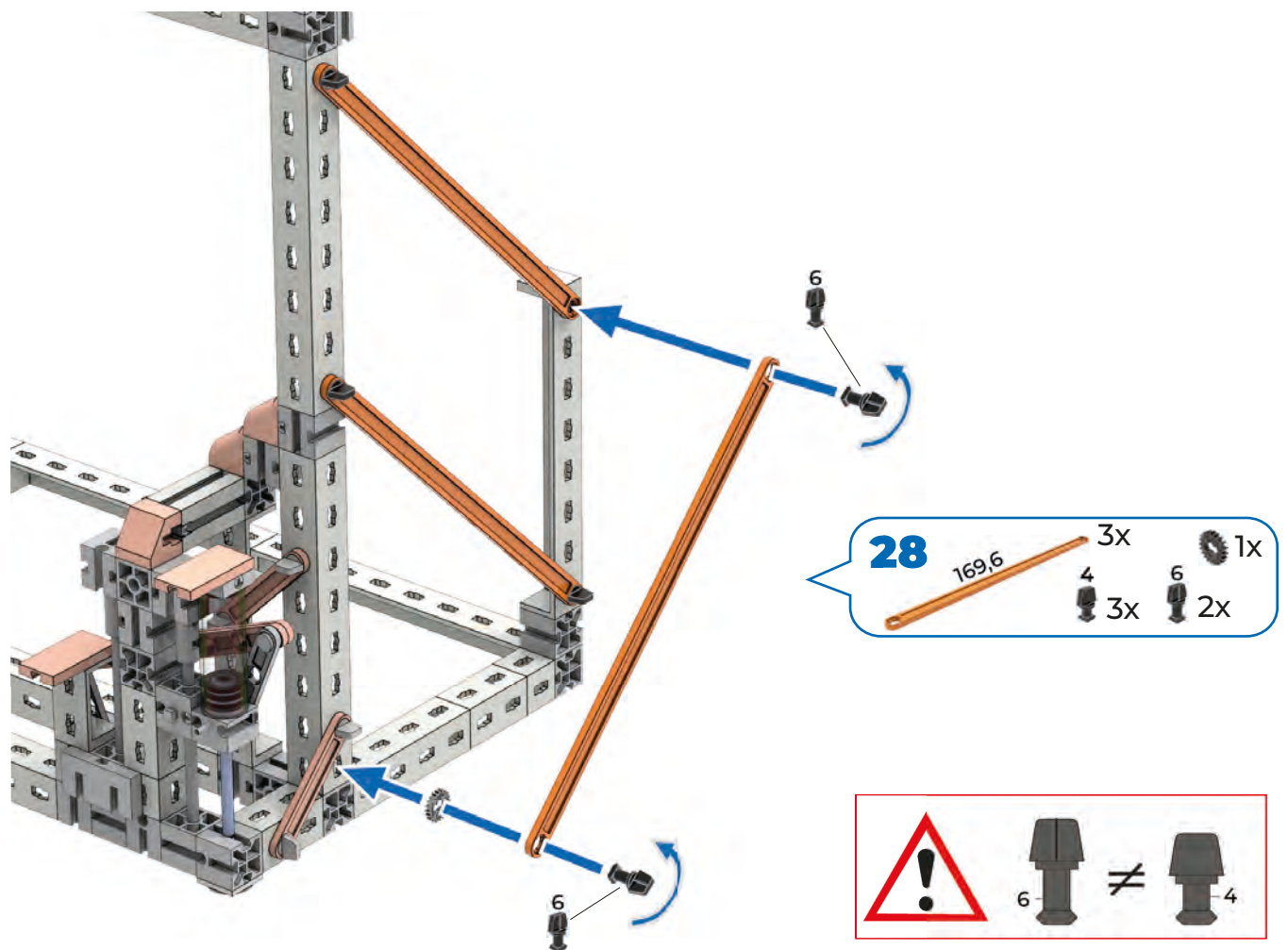
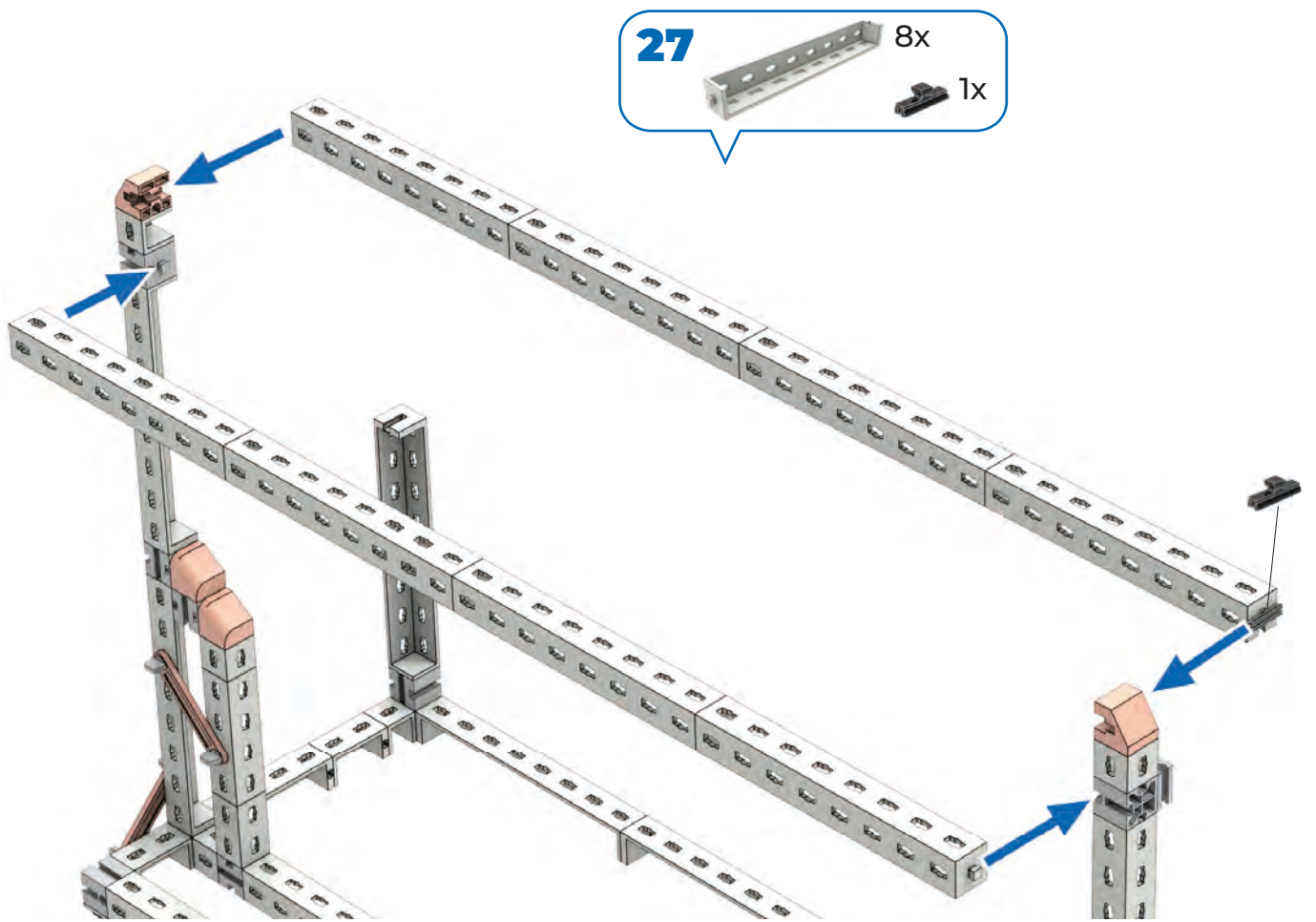


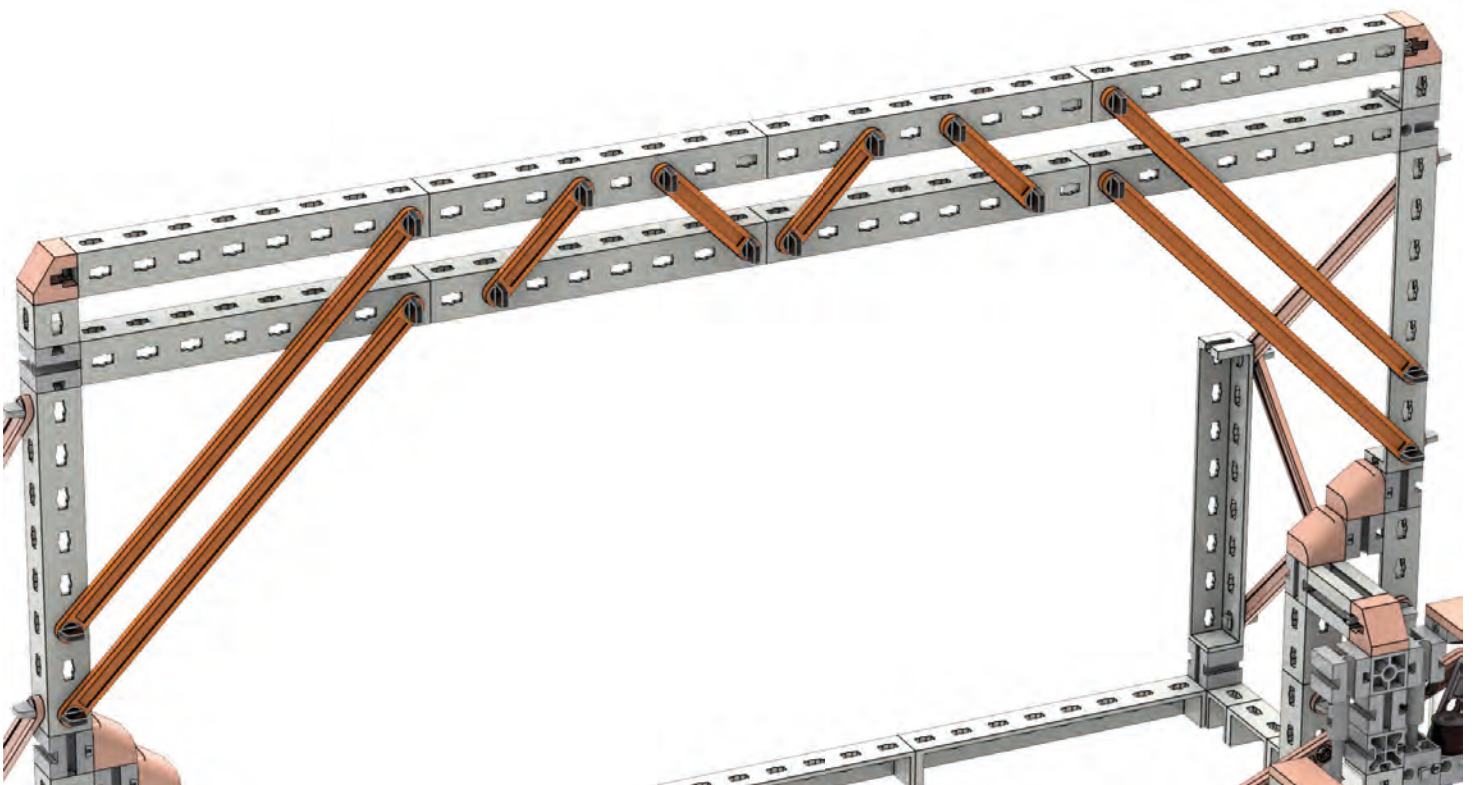
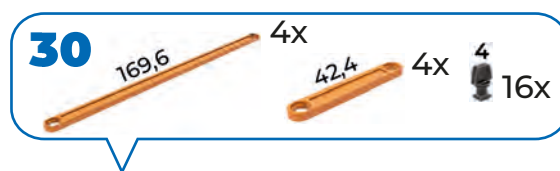
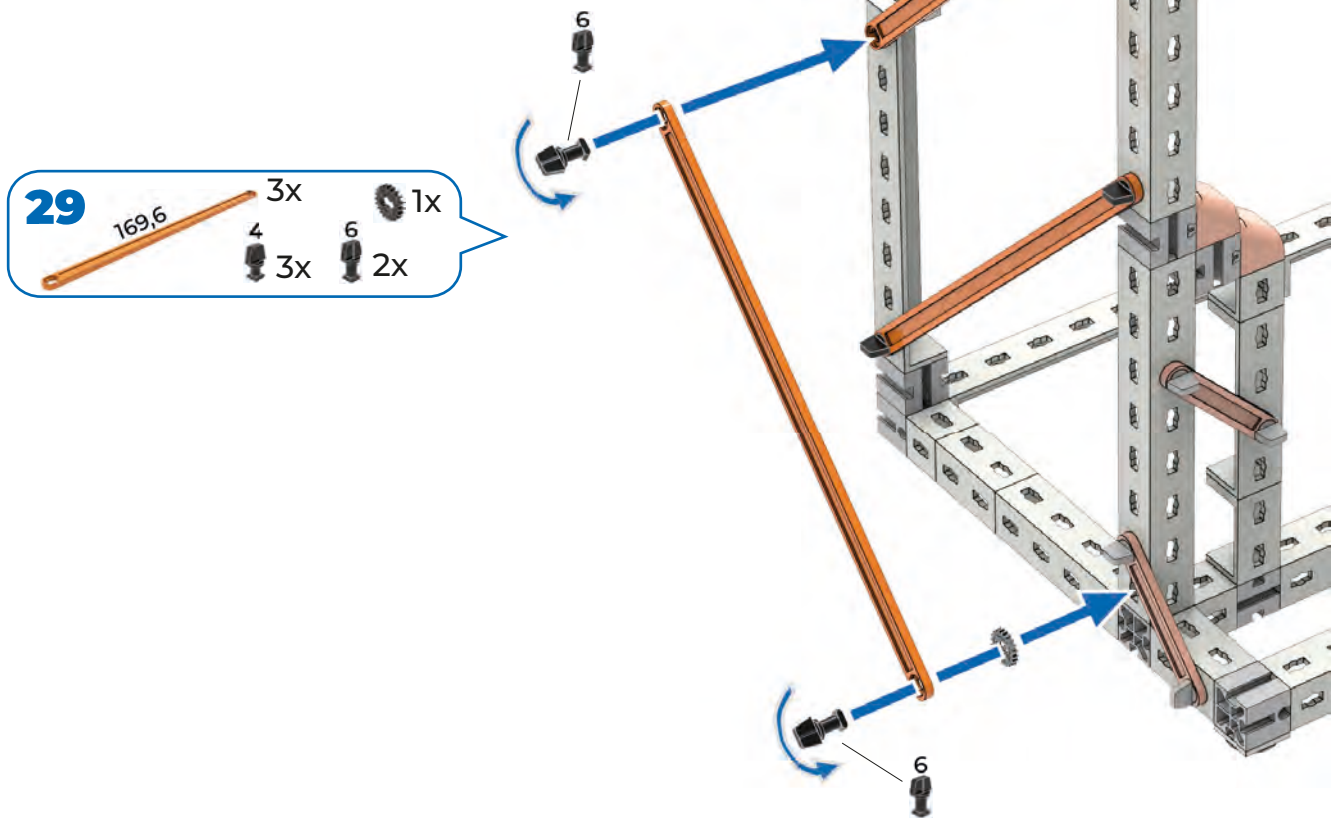
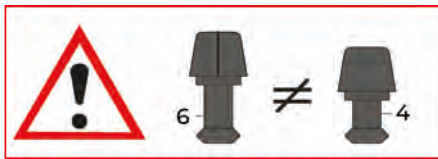
- 22** 1x 1x 1x

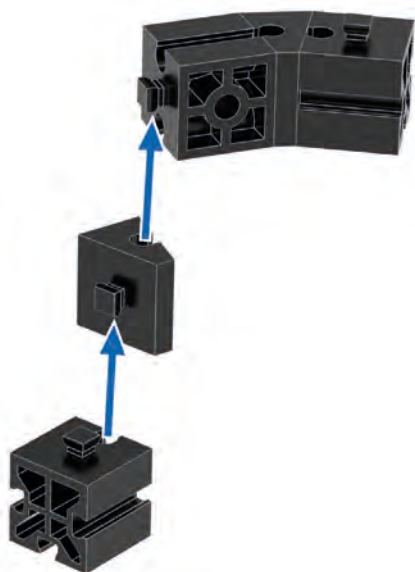


- 23** 1x 2x 4x

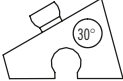




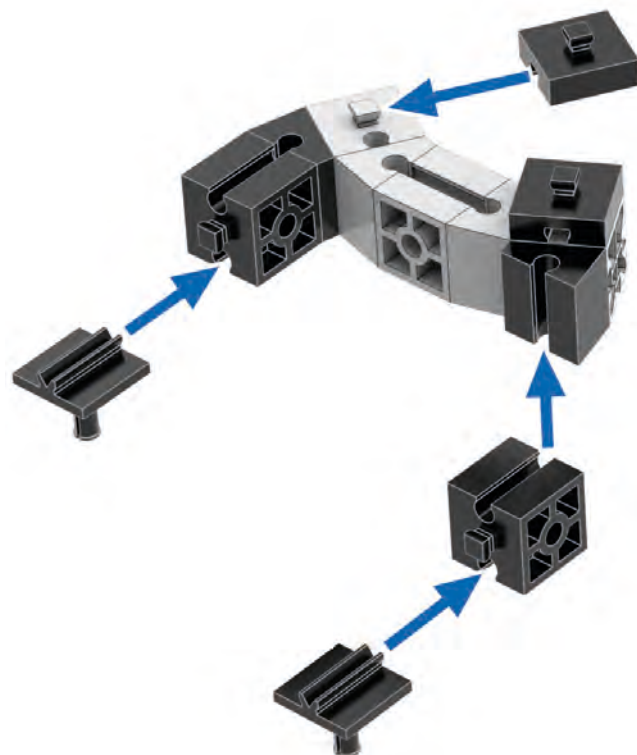




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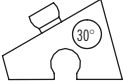
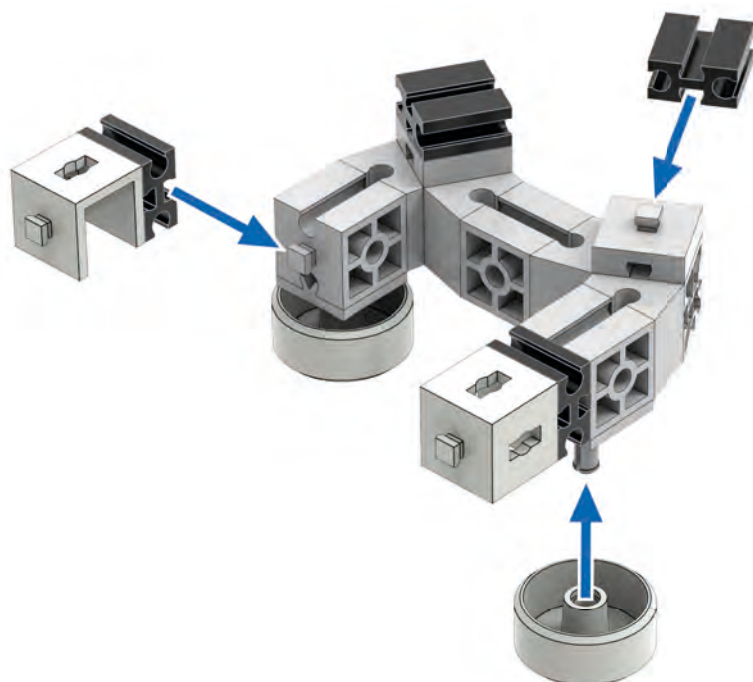


1x 2x 30° 2x



32

2x 30° 2x 2x 2x

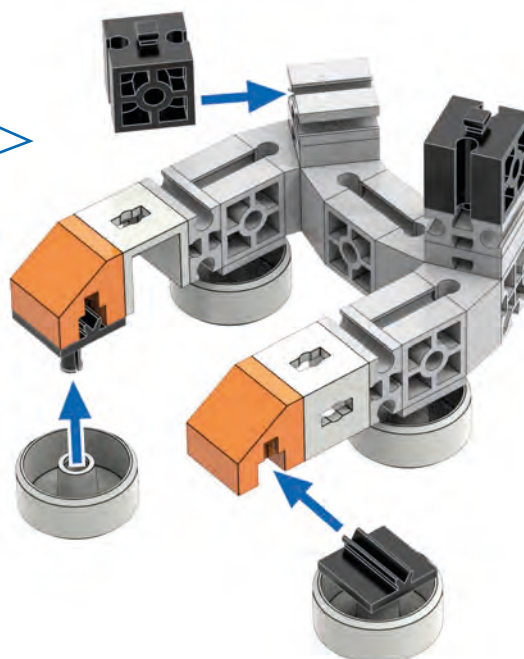



33

2x 2x 4x

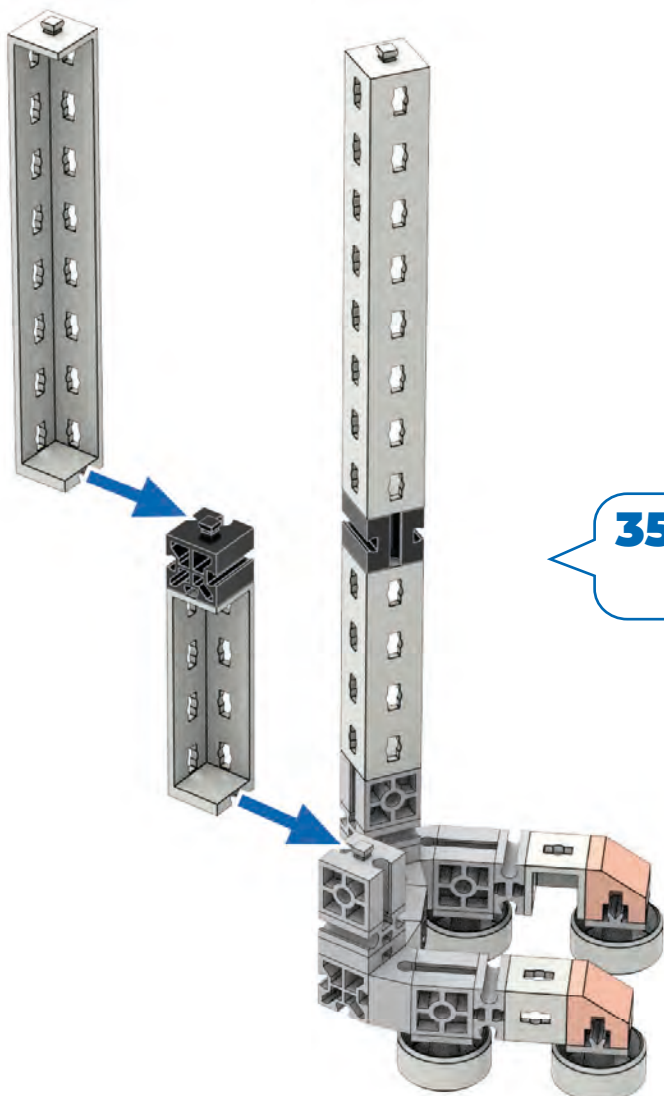
34

2x 2x 2x 2x 2x



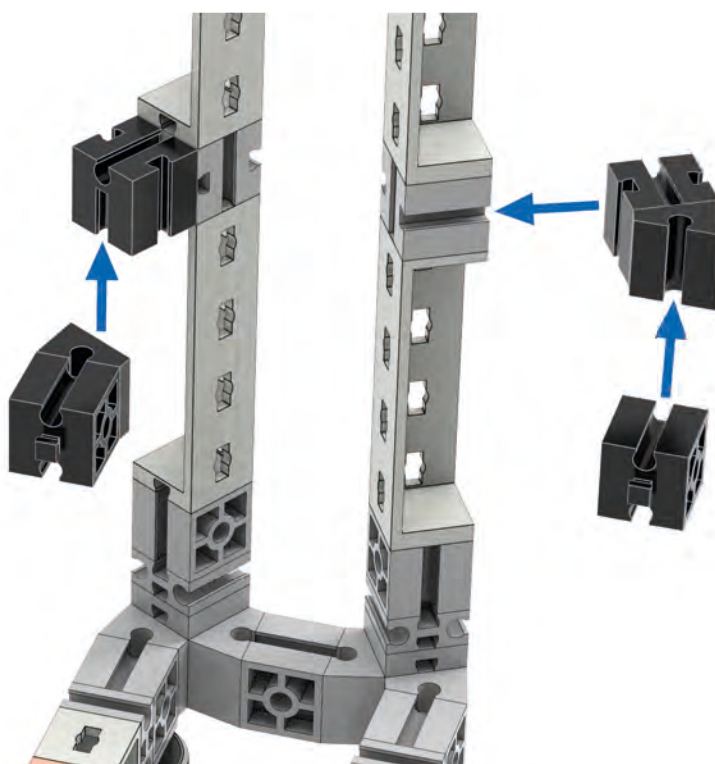
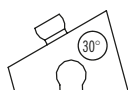
35

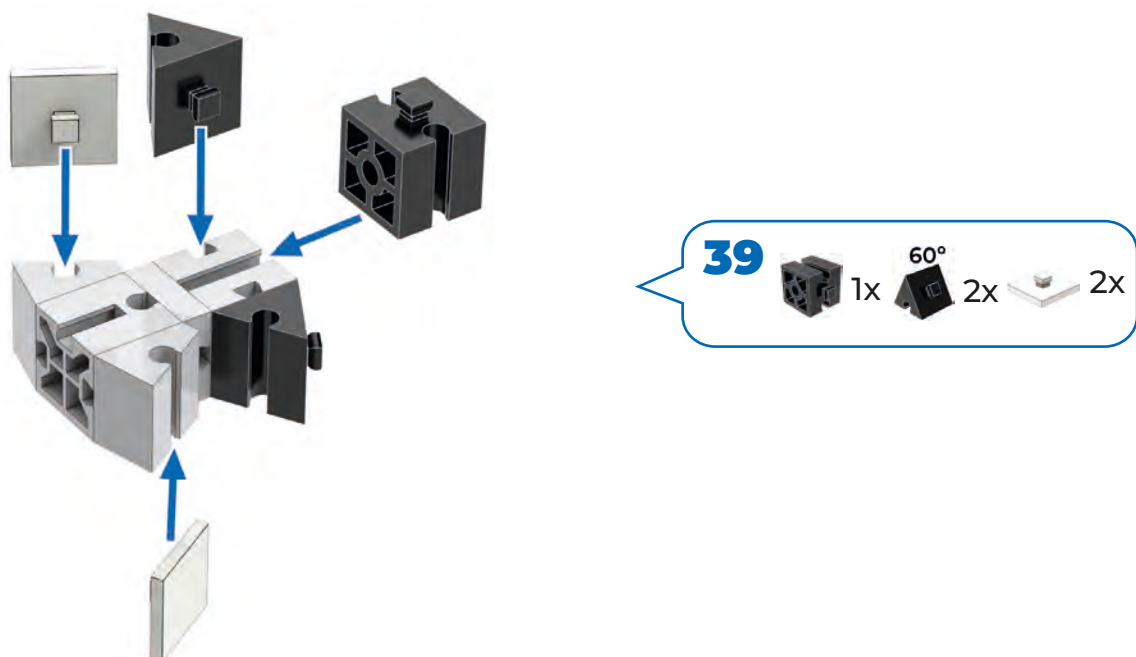
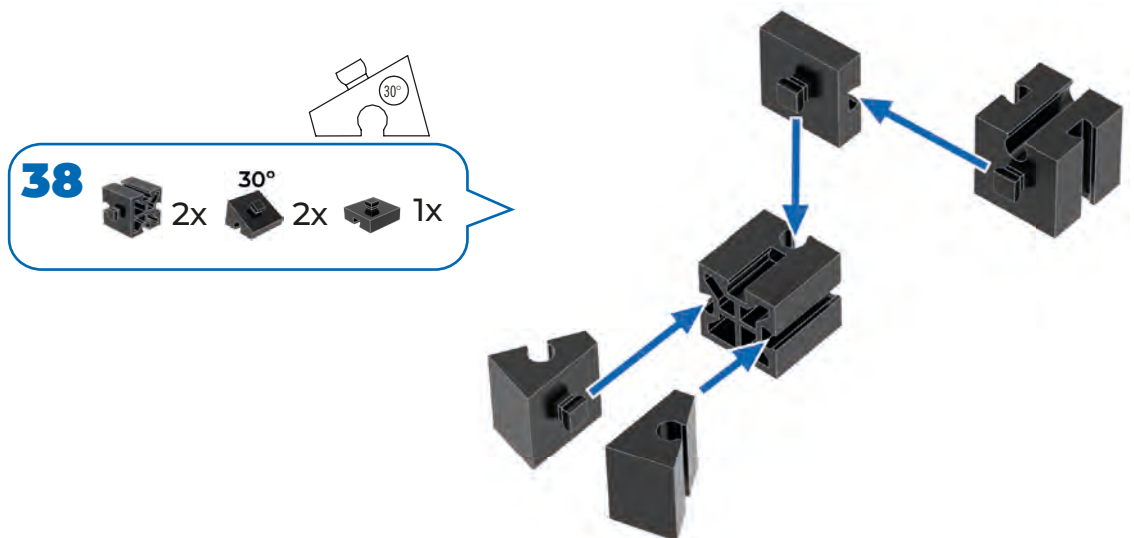
2x 2x 2x

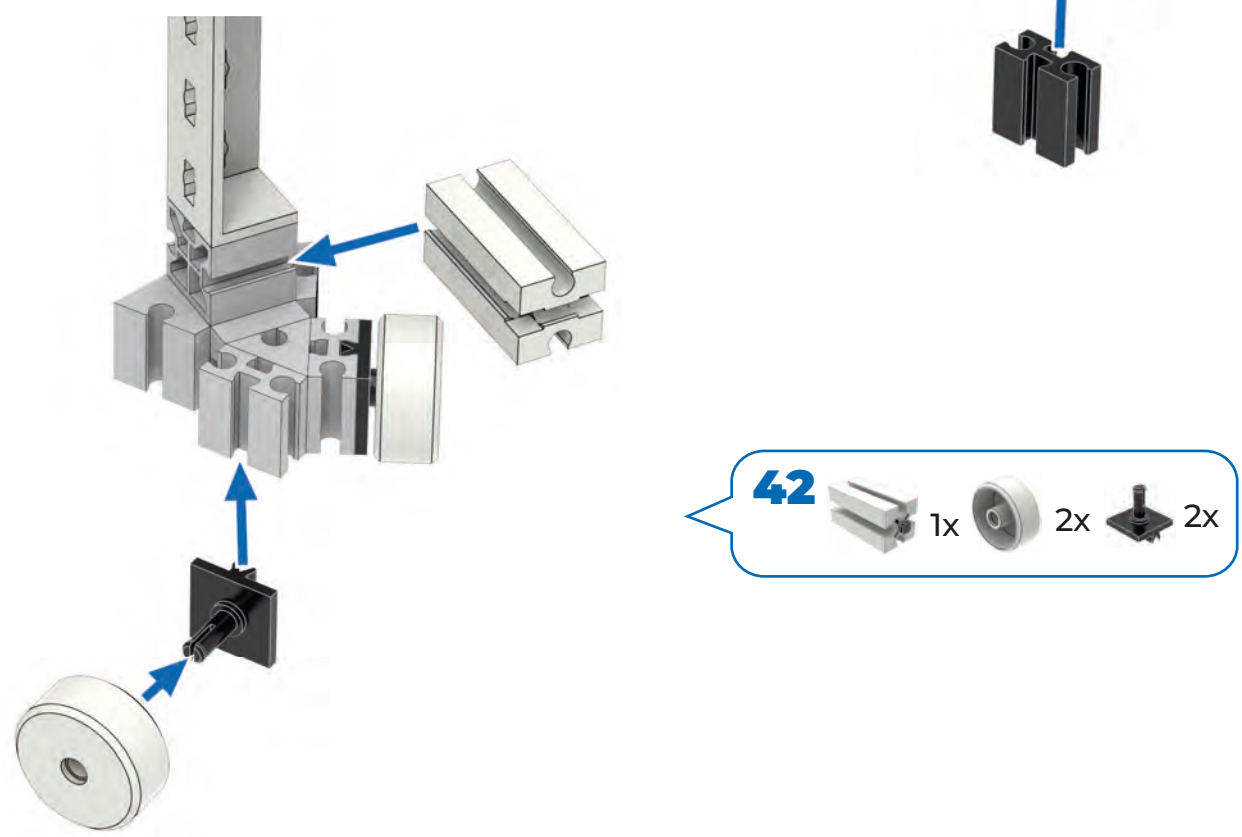
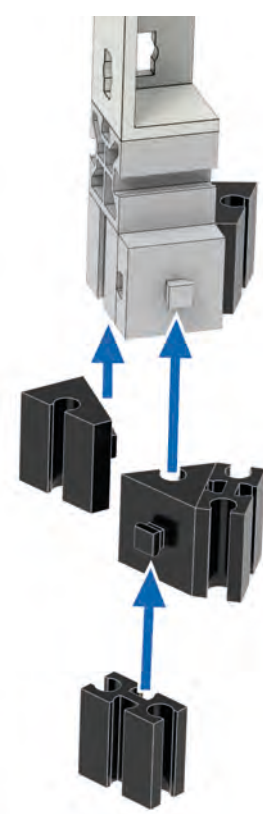
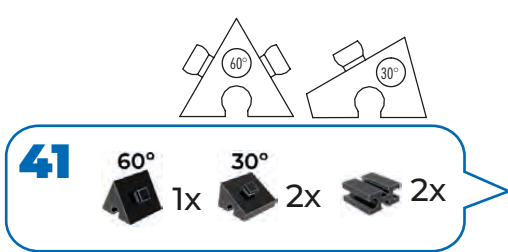
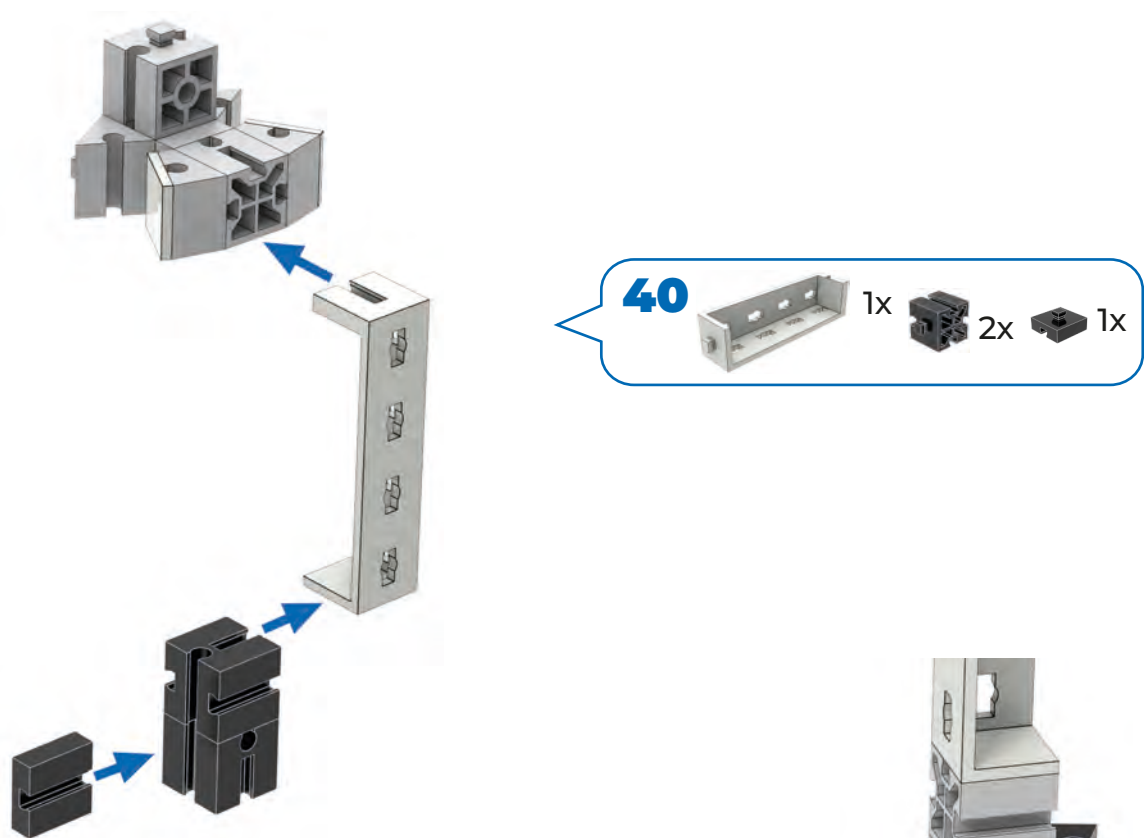


36

2x 2x 2x







43



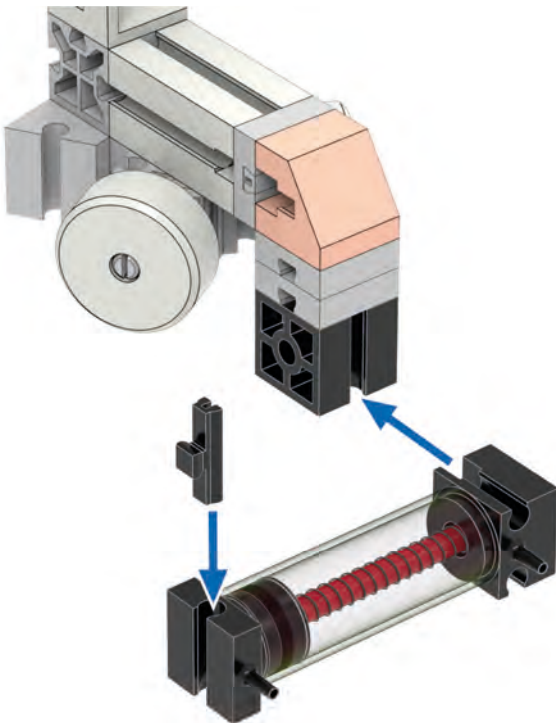
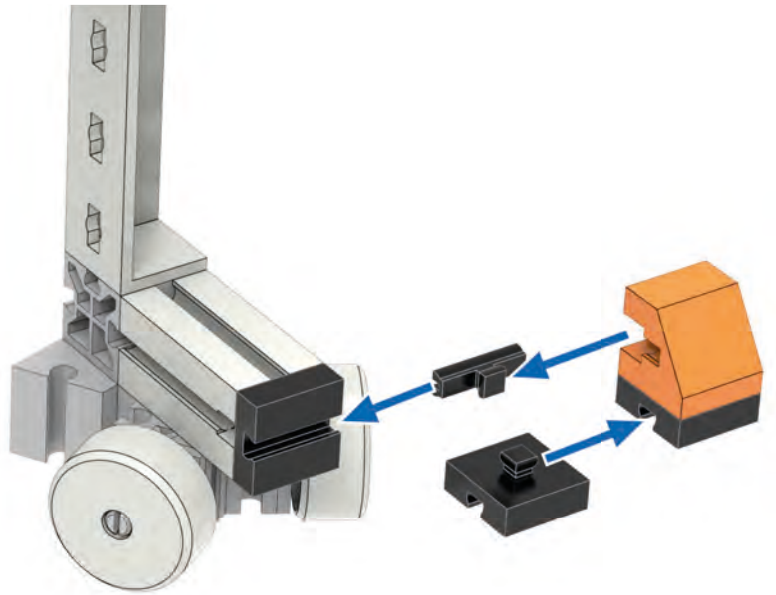
1x



3x



1x



44



1x



1x



1x

45



1x



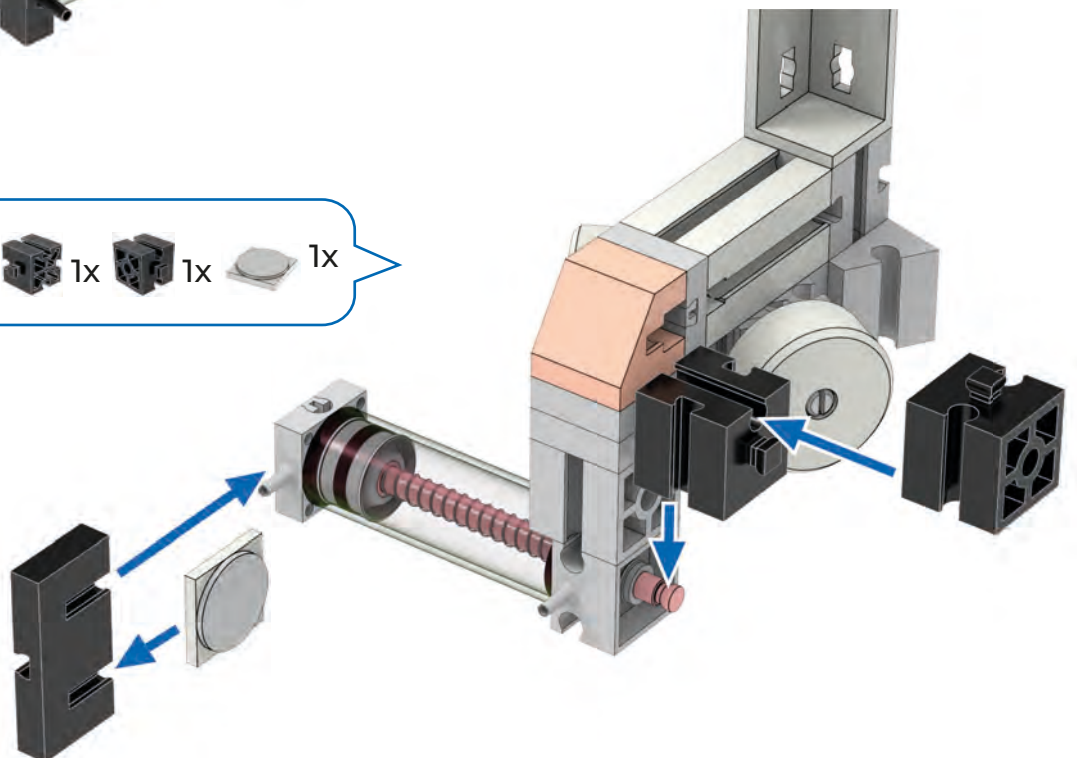
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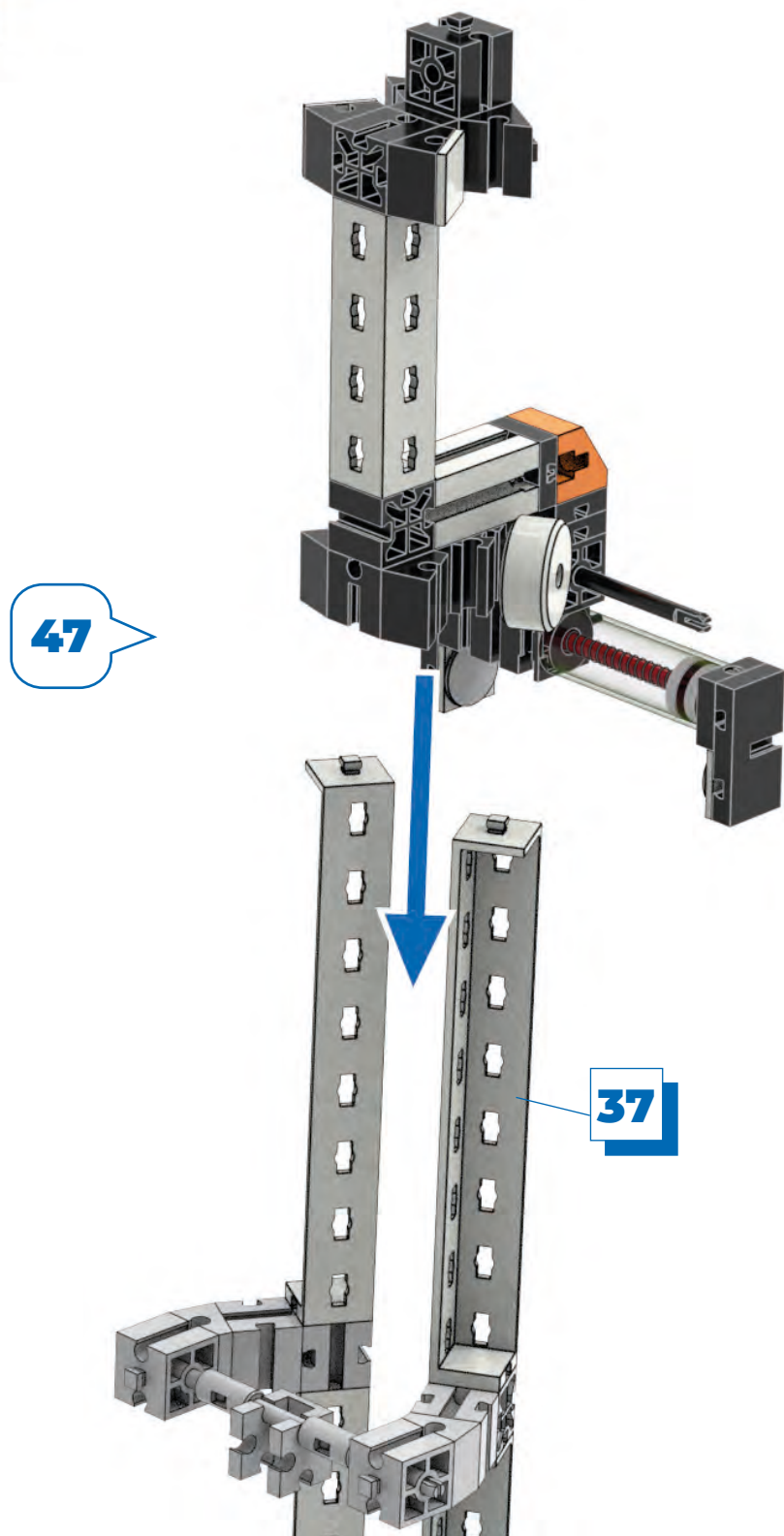
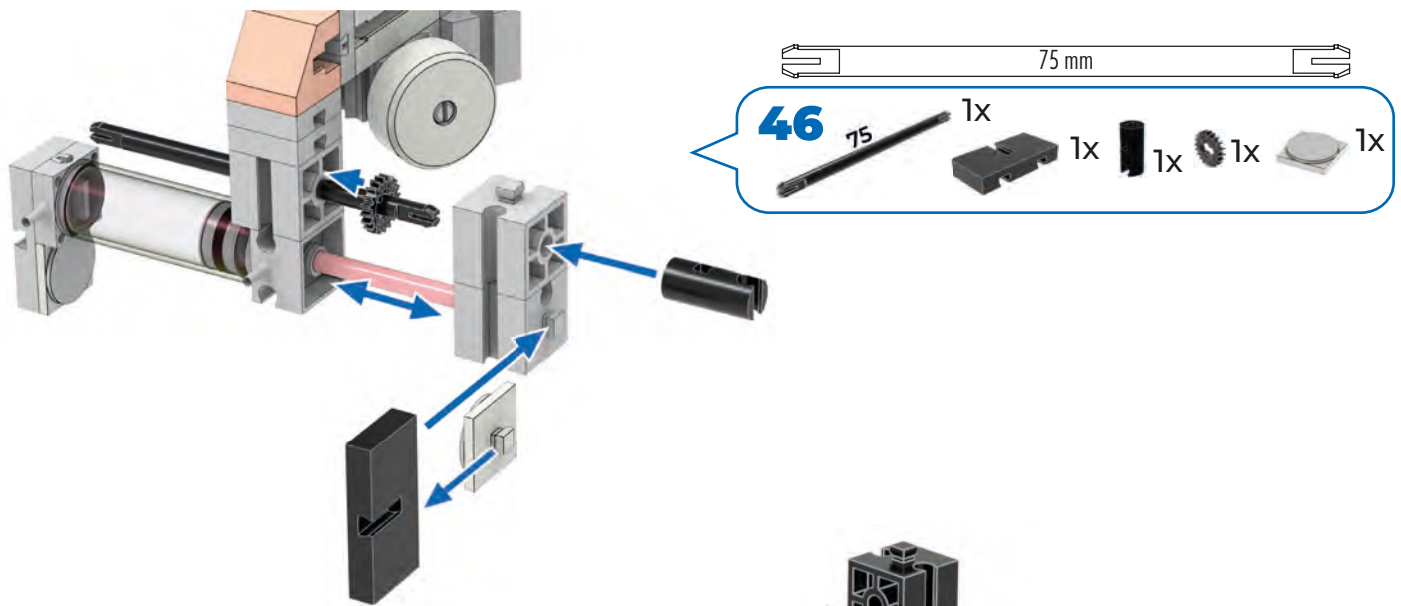


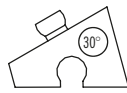
1x



1x







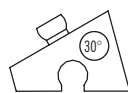
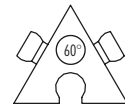
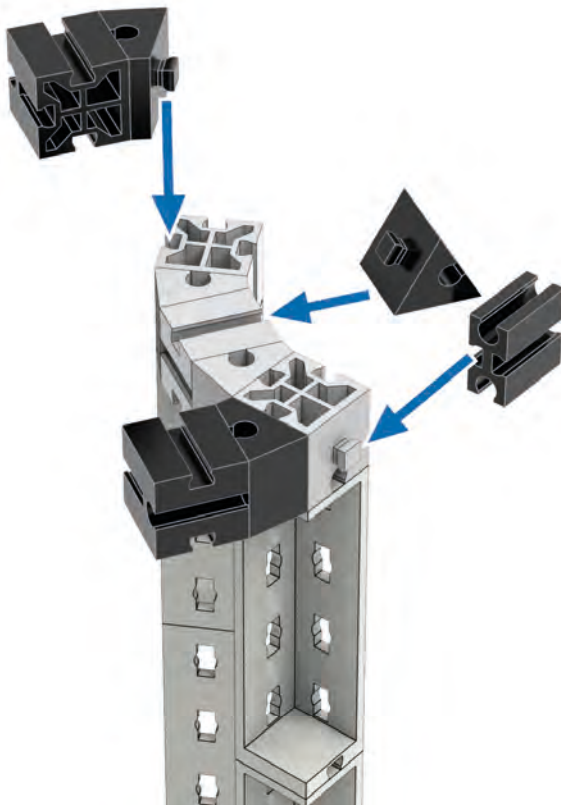
48



3x



30° 2x



49



2x



60°

1x



30°

2x



1x

50



2x



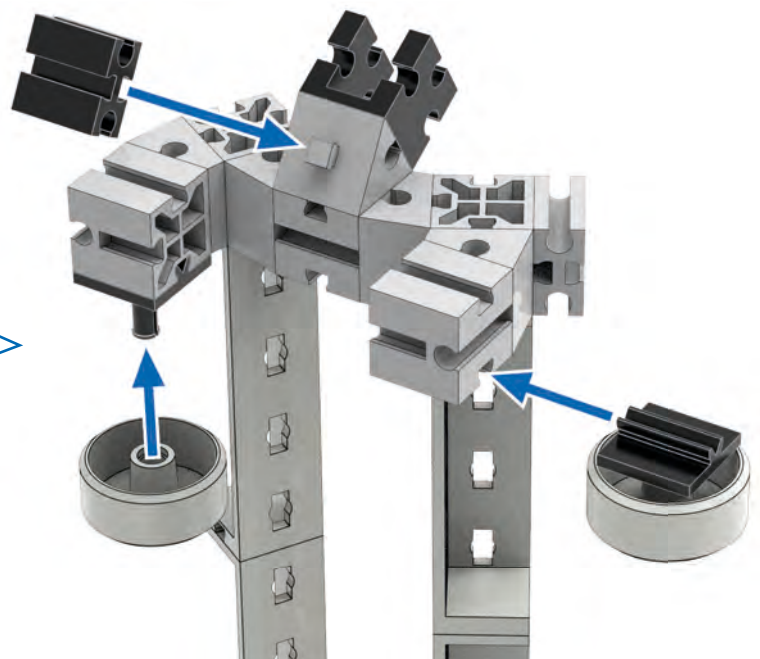
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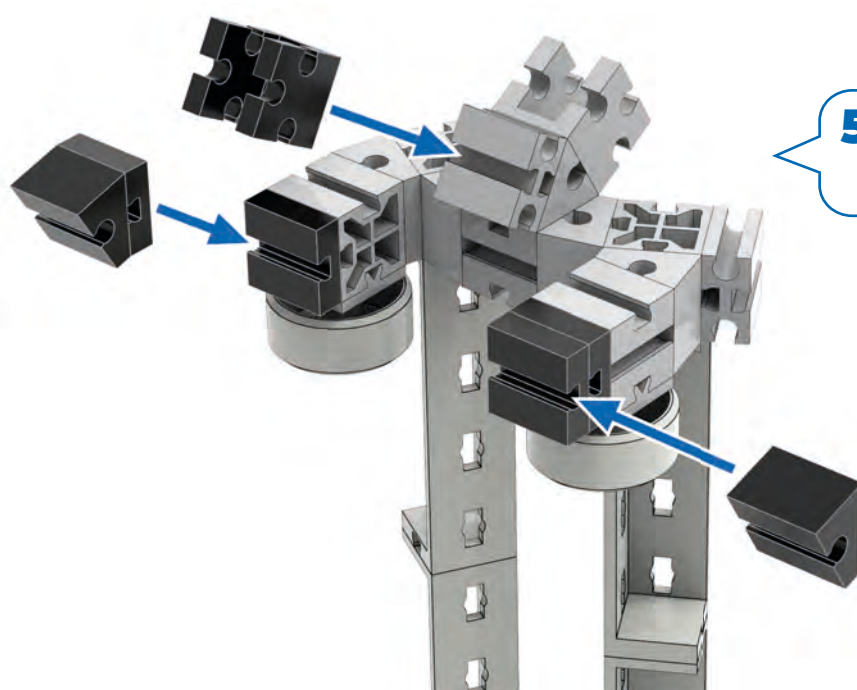


2x



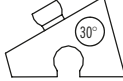
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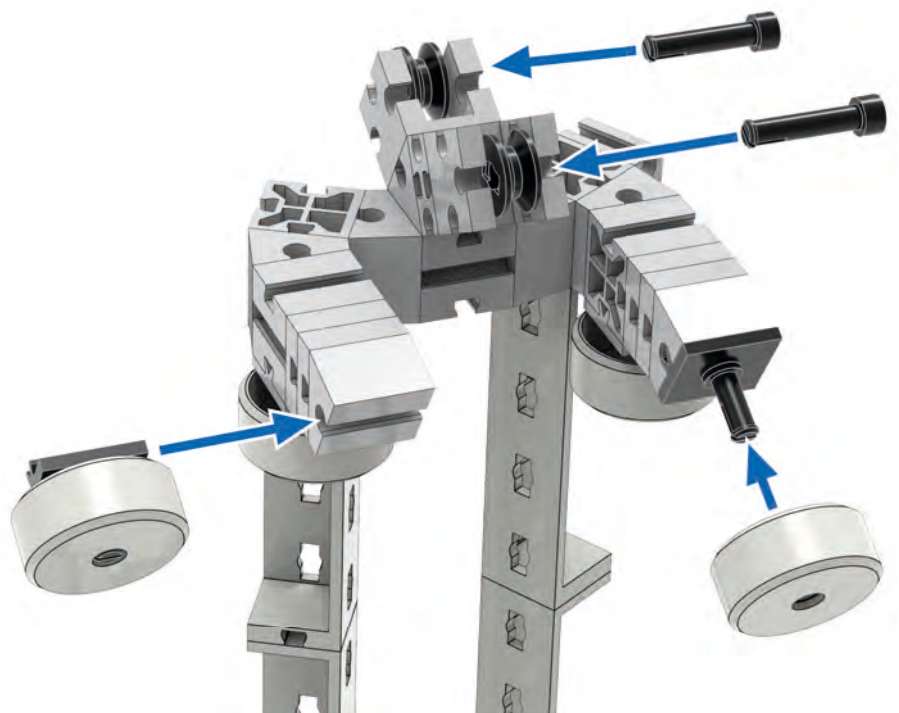
51

 1x
  2x
  4x



52

 2x
  2x
  2x
  2x



53



1x



1x

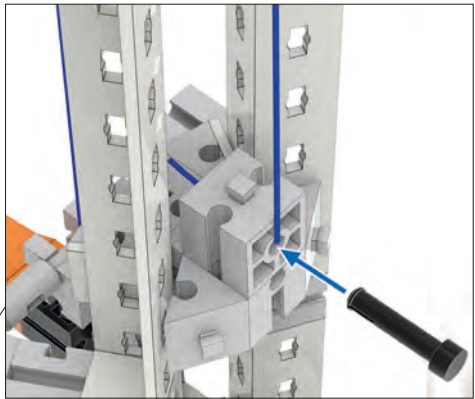
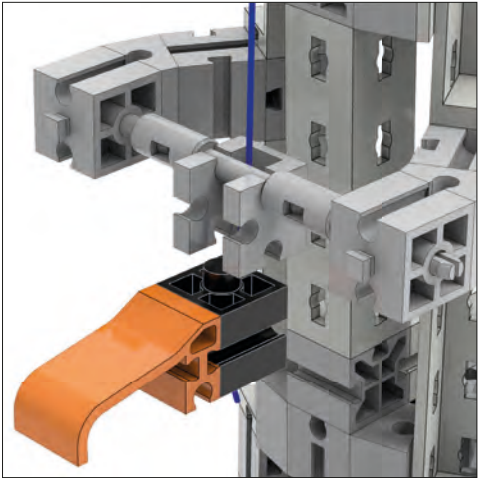
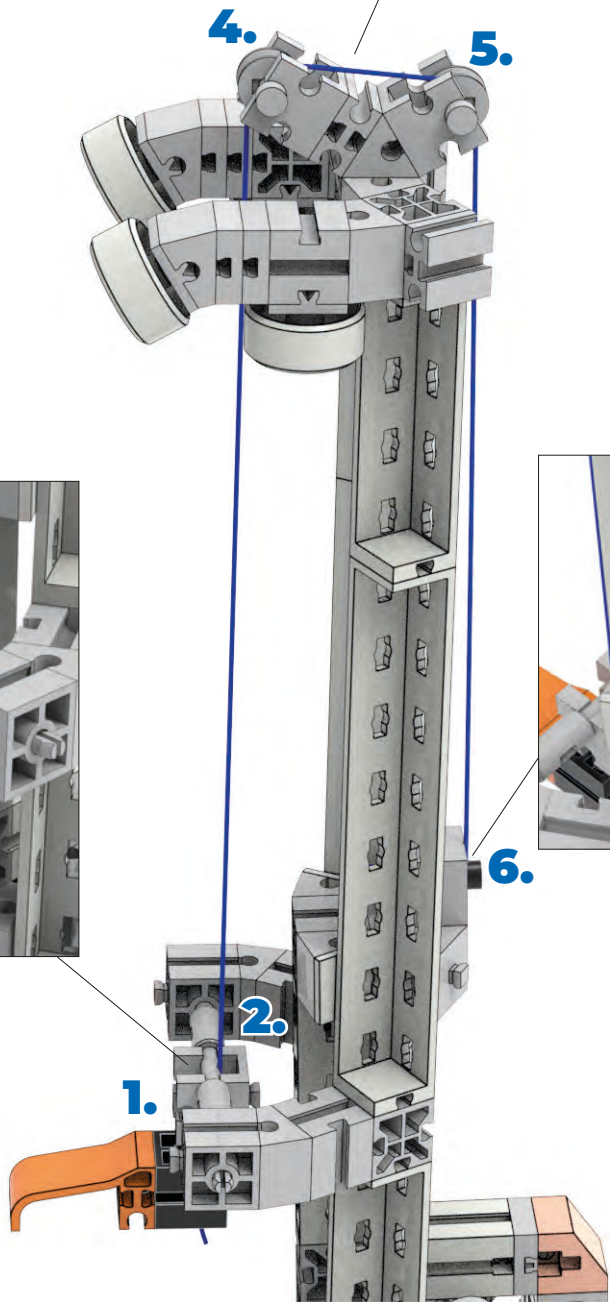
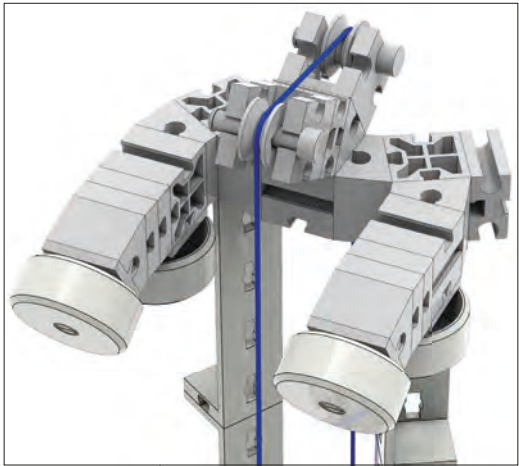


1x

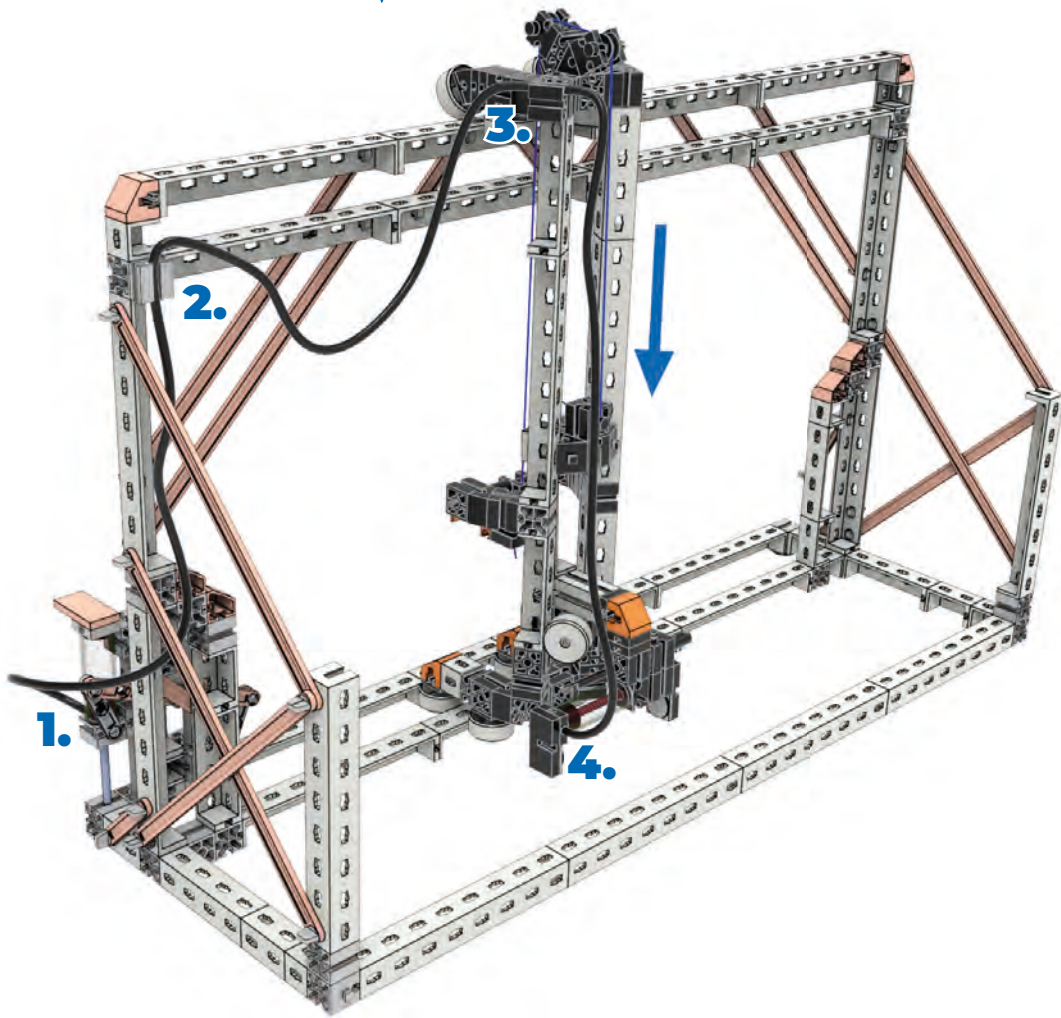


2x

75 cm



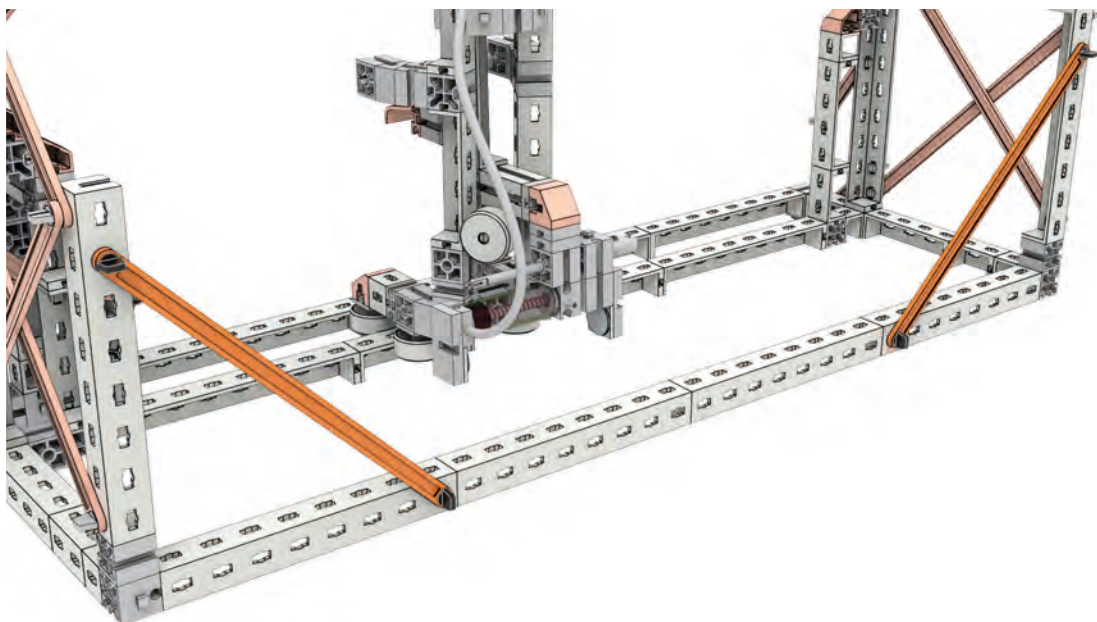
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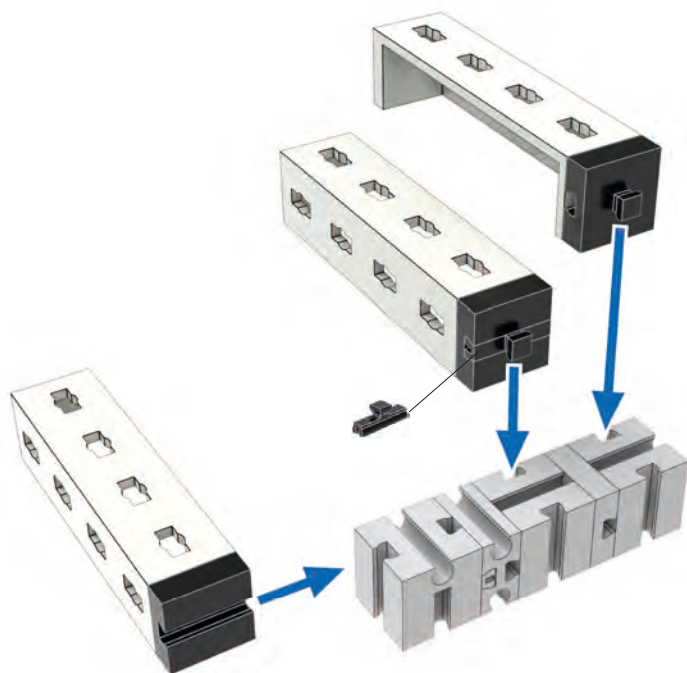
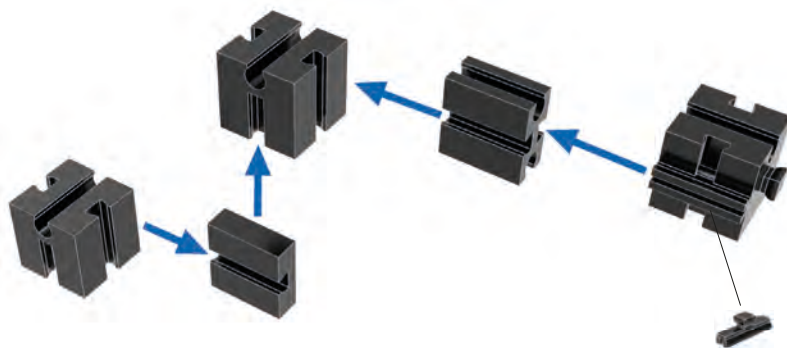
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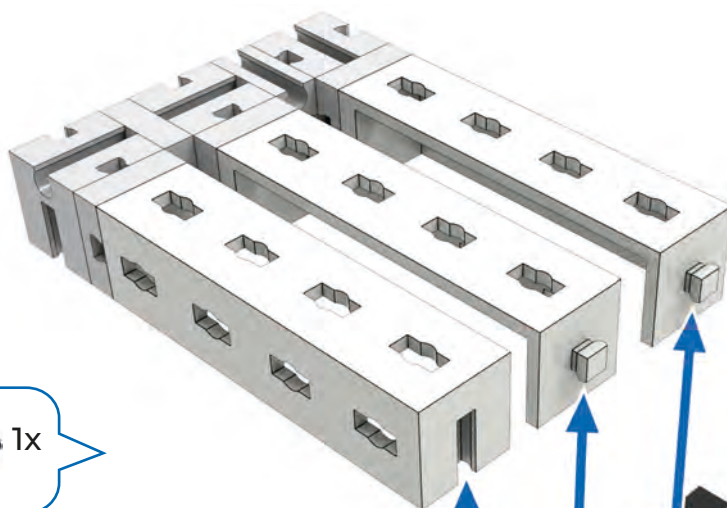
2x



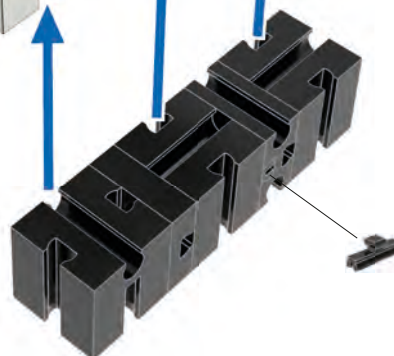
3x 1x 1x 1x

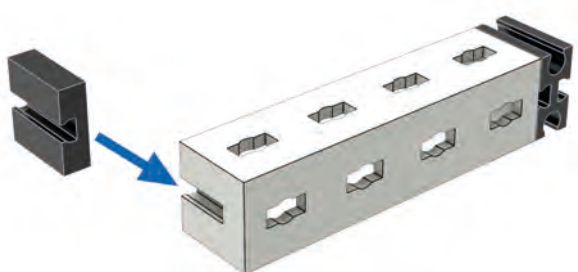
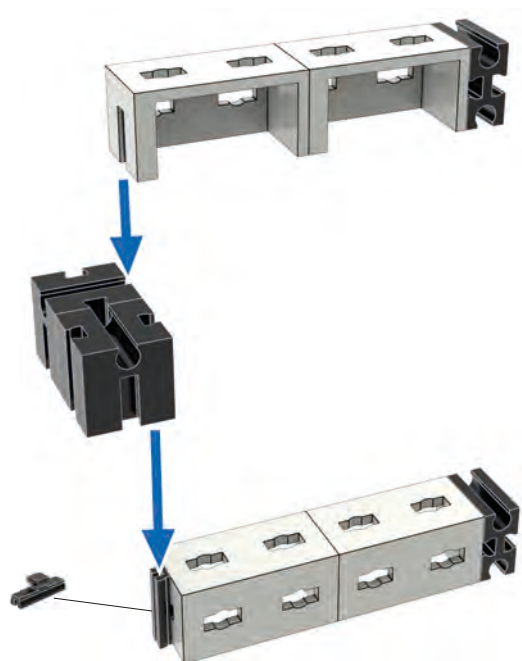
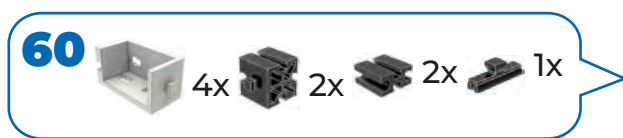
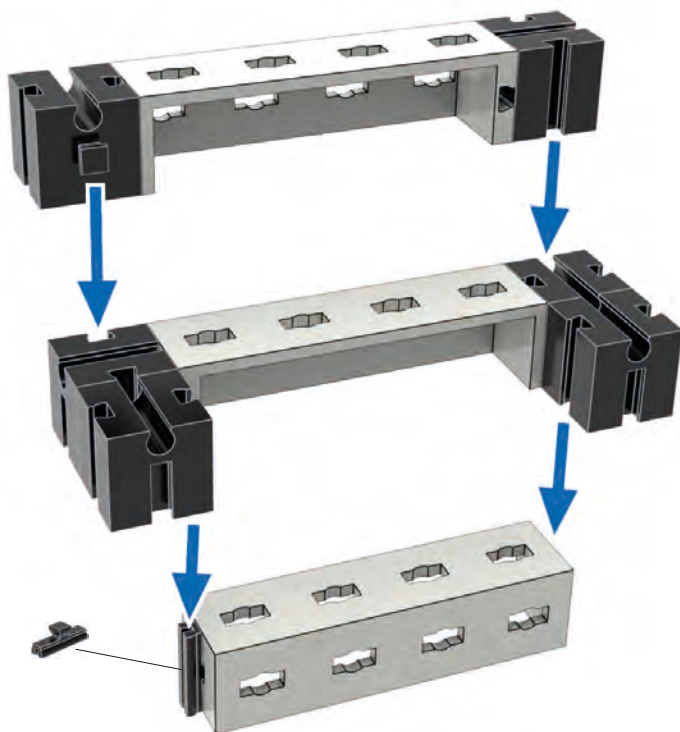


3x 3x 3x 1x



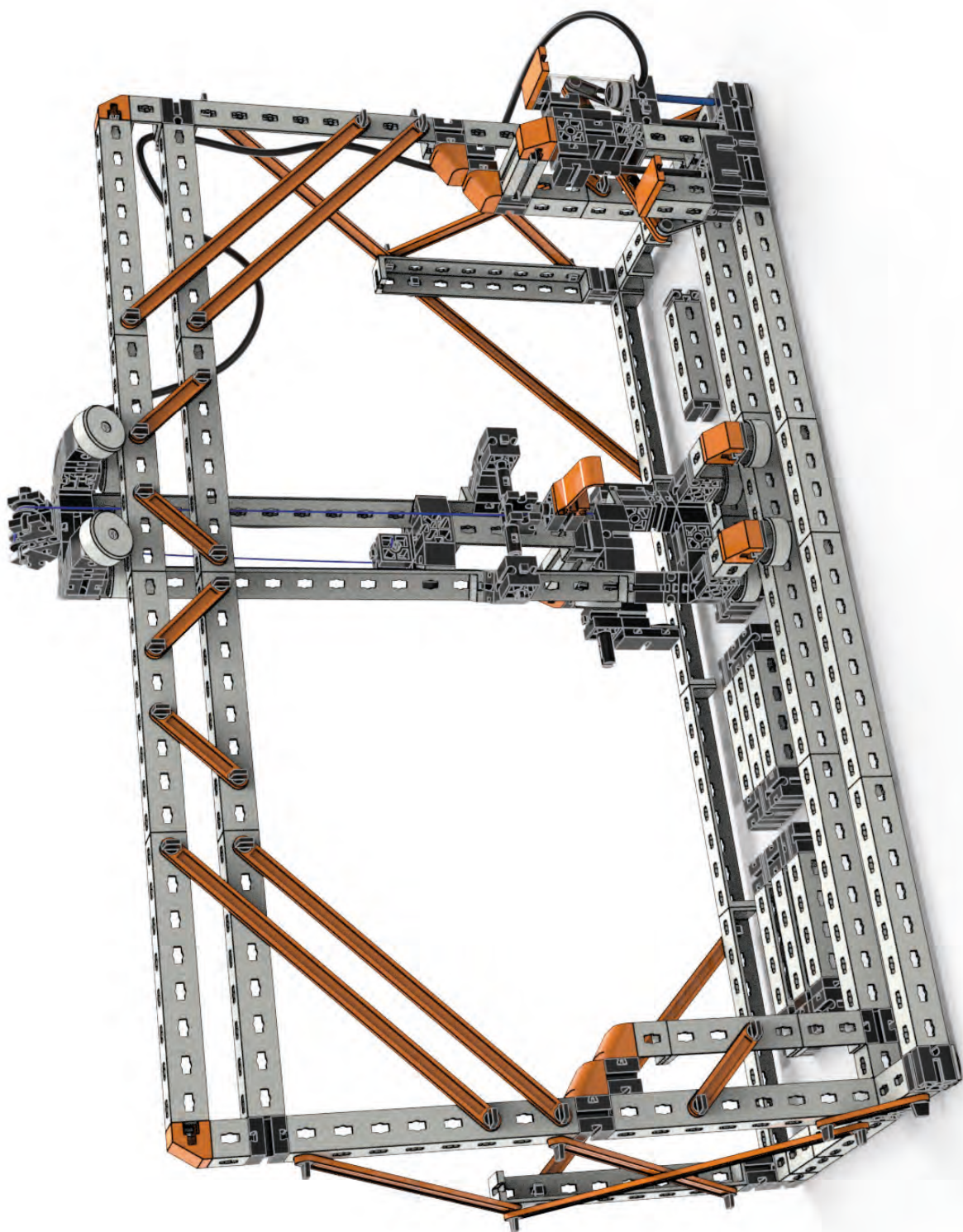
 3x
  1x
  1x
  1x

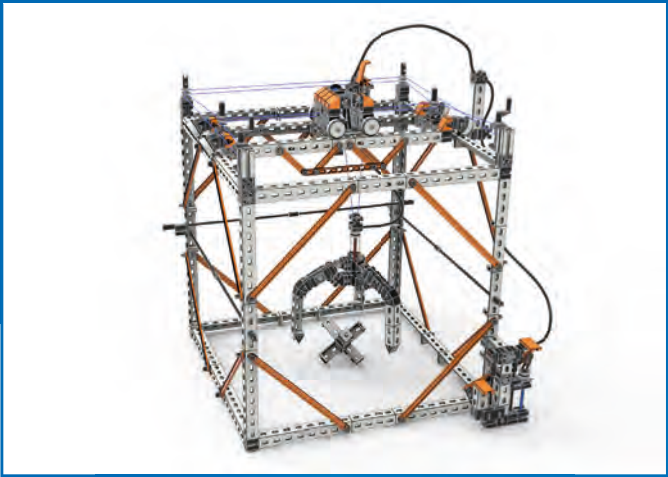






Tutorials &
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XY Greifer
XY Control Gripper

1

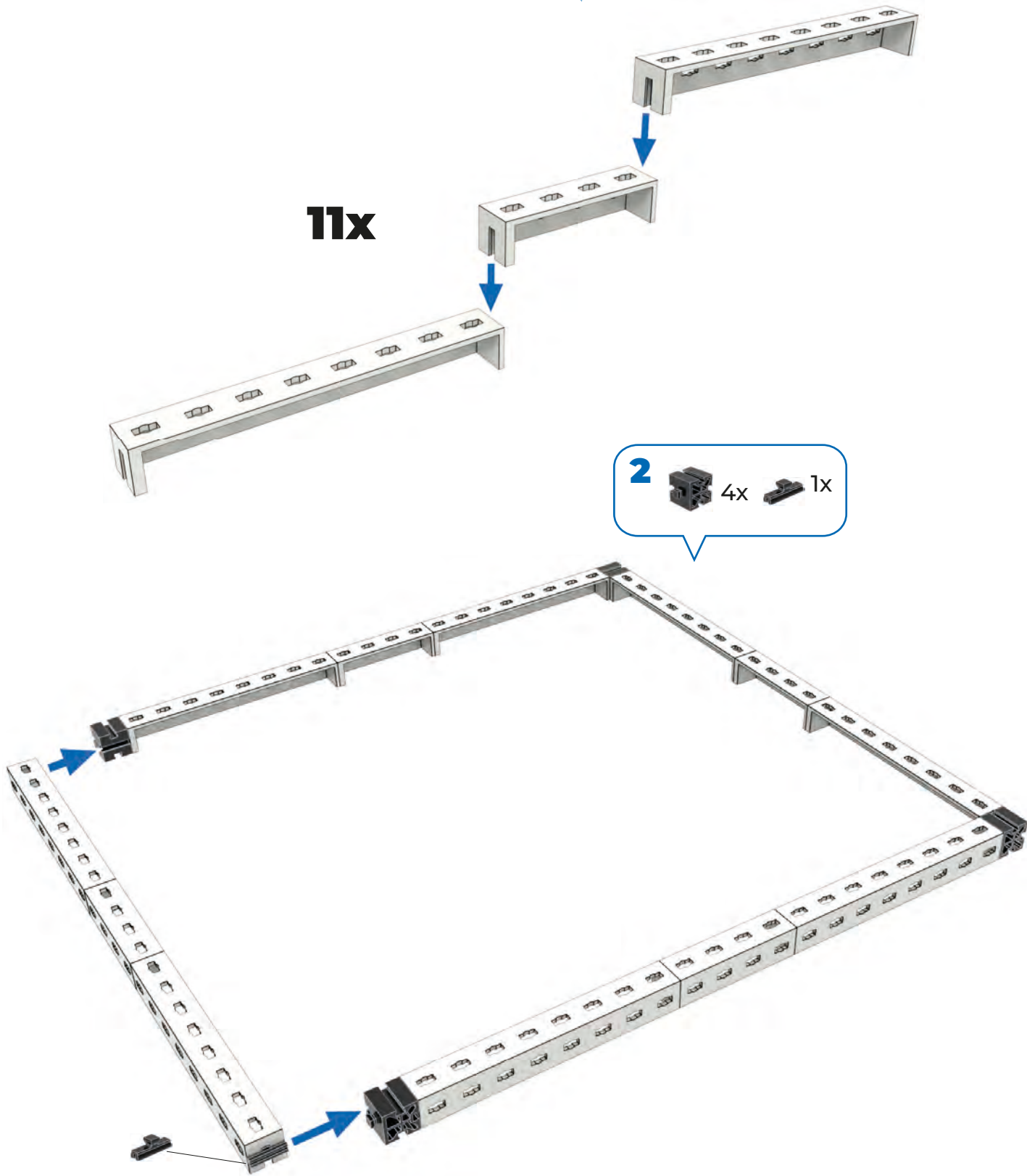


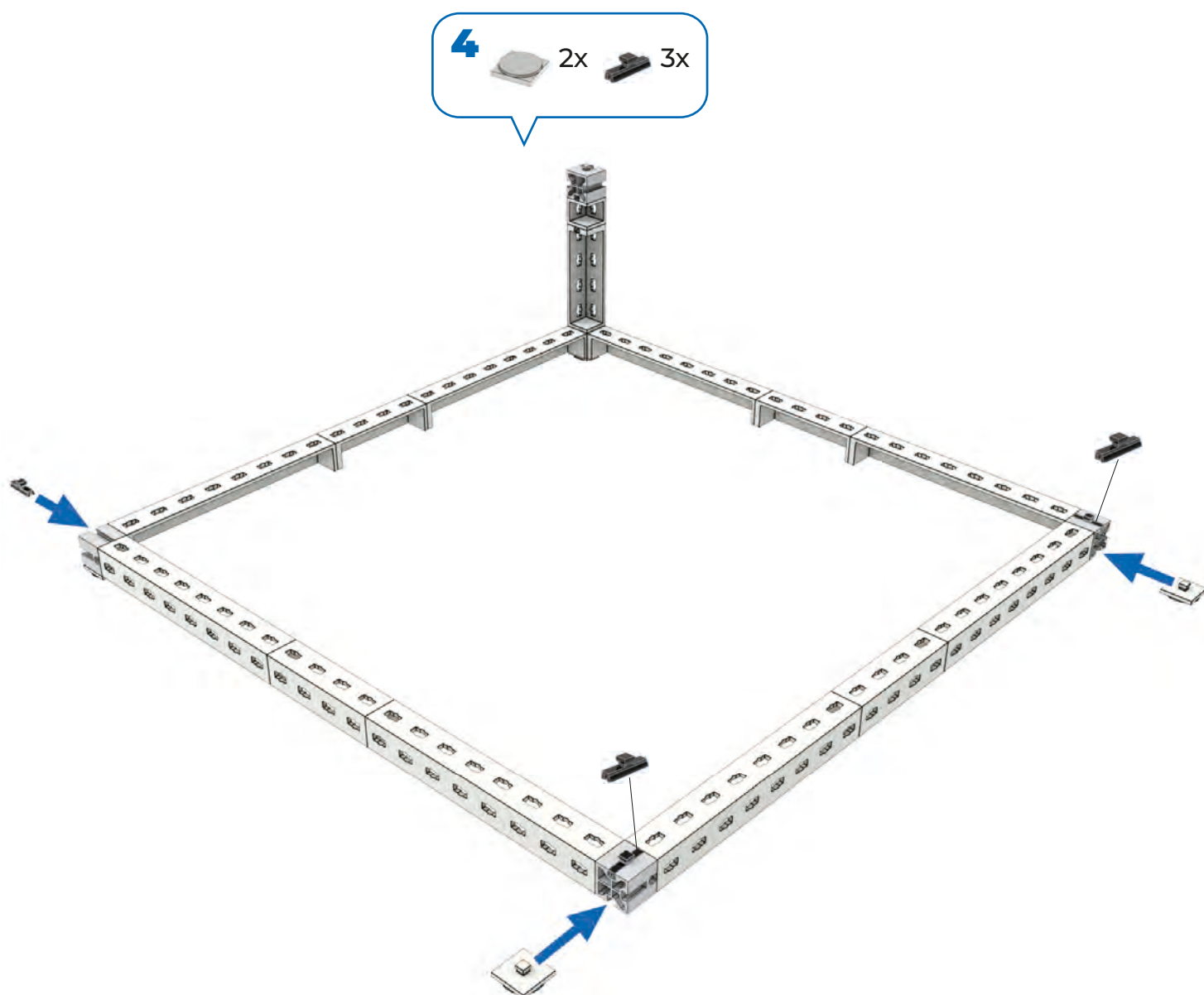
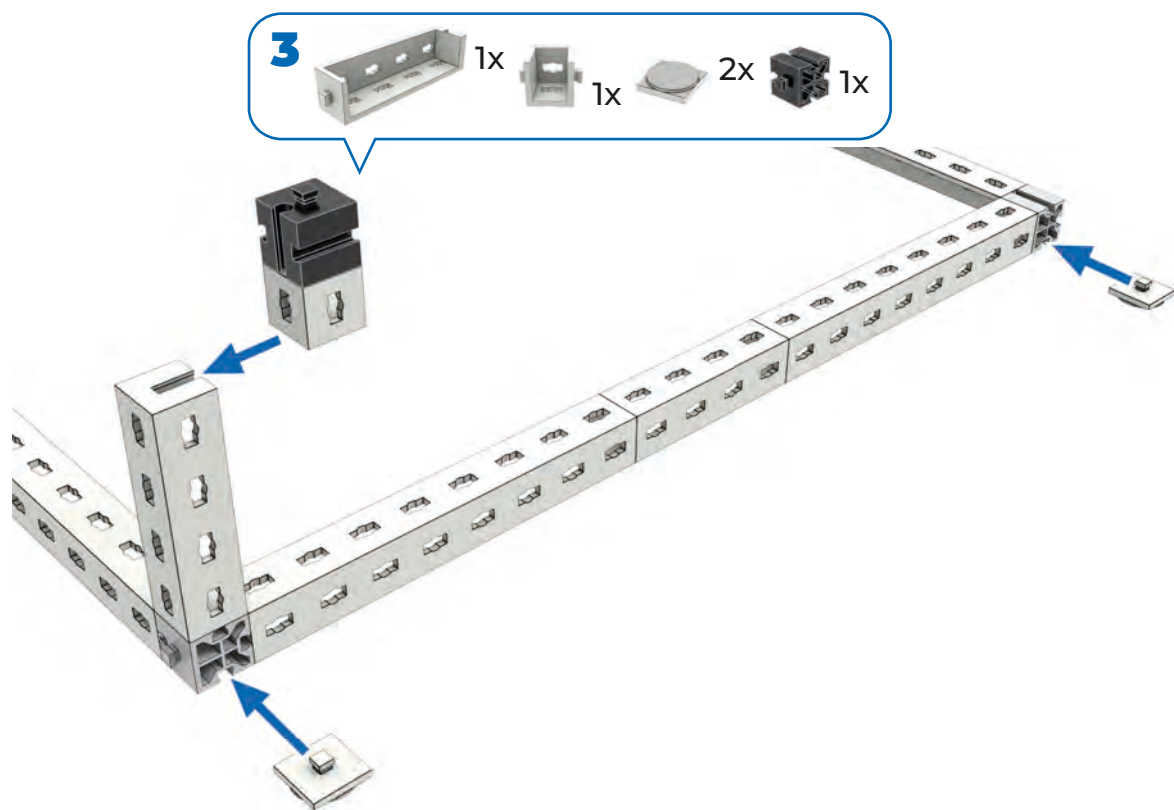
22x

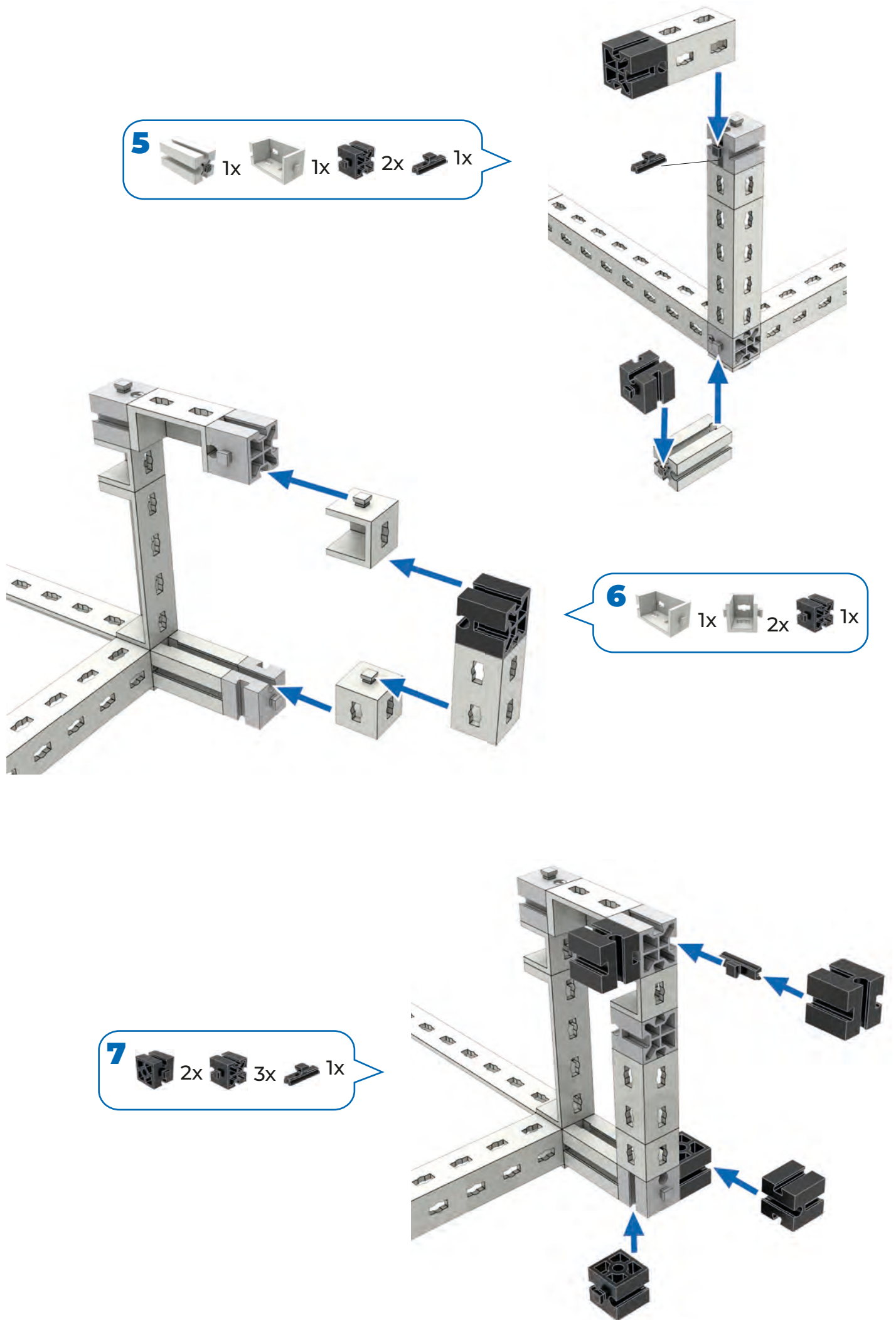


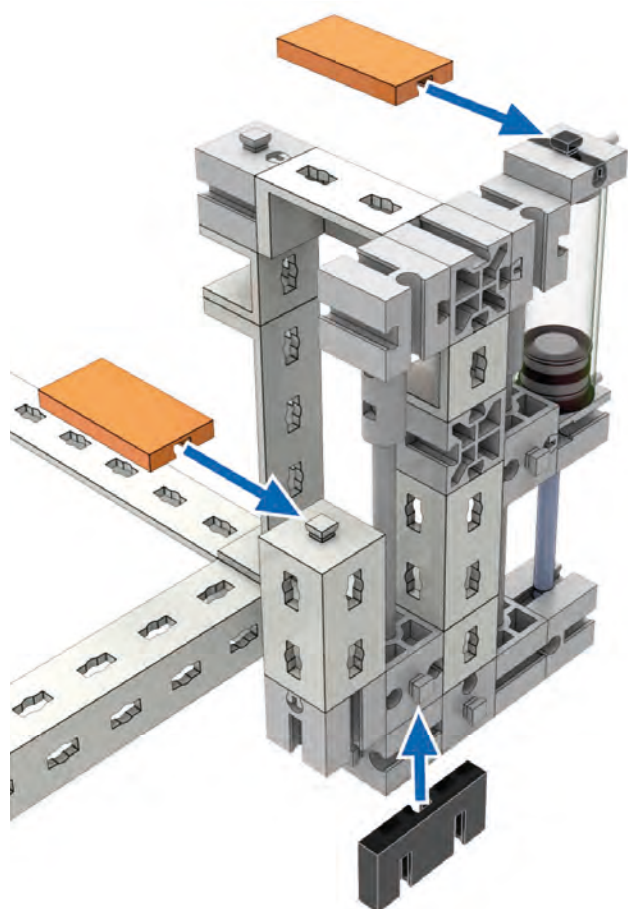
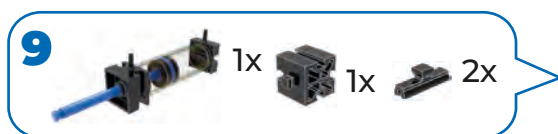
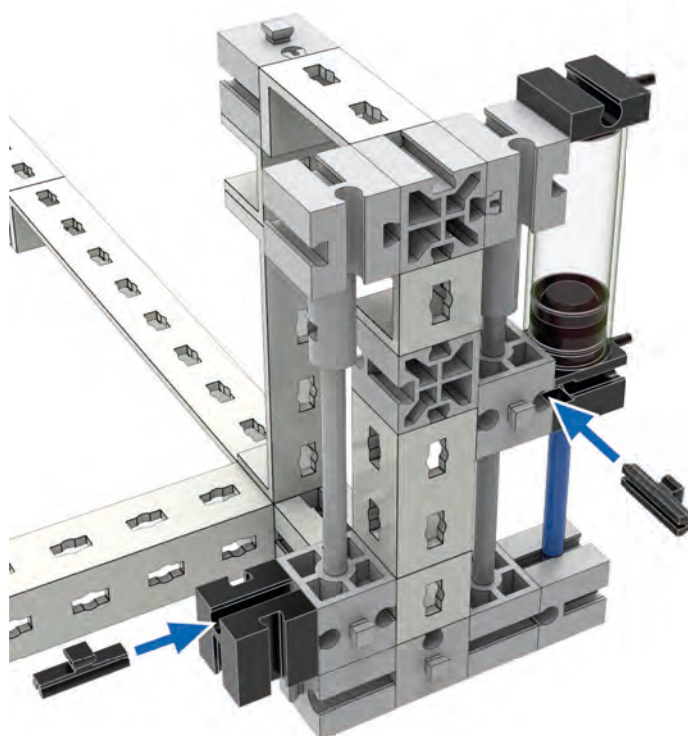
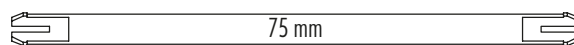
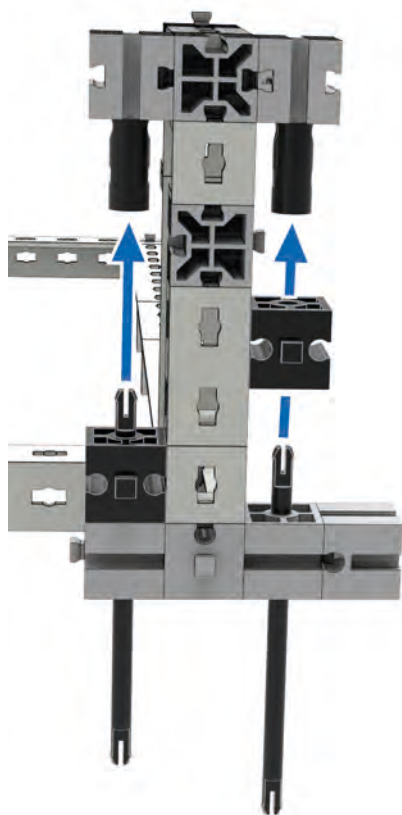
11x

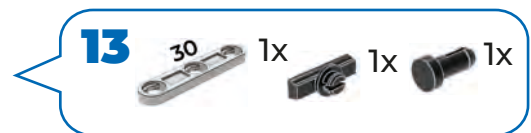
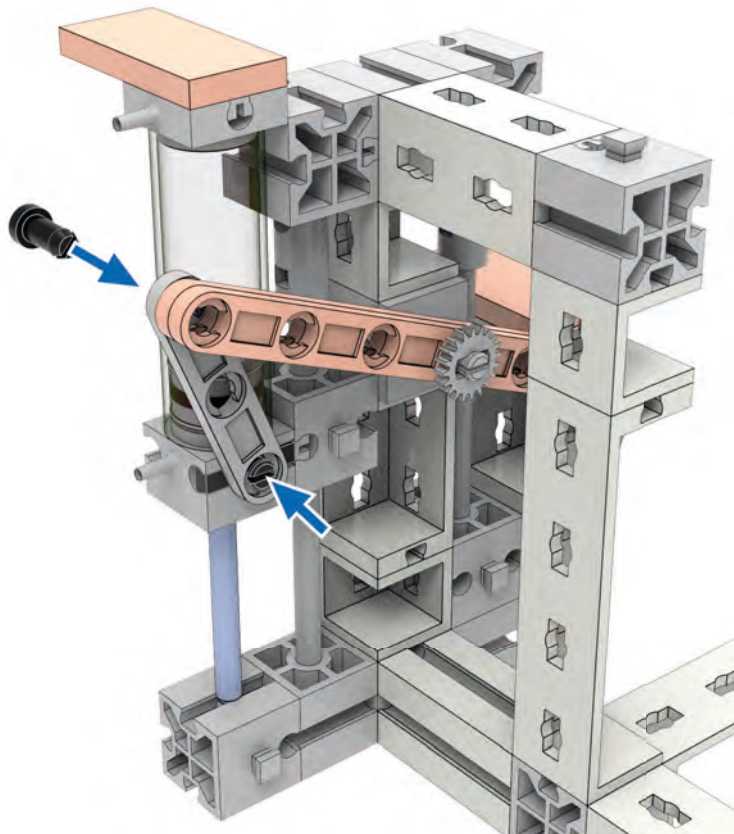
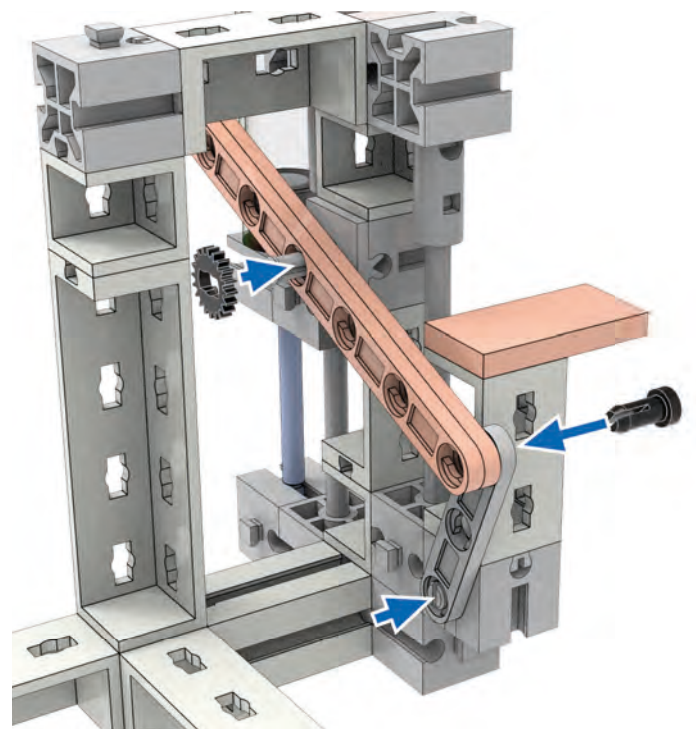
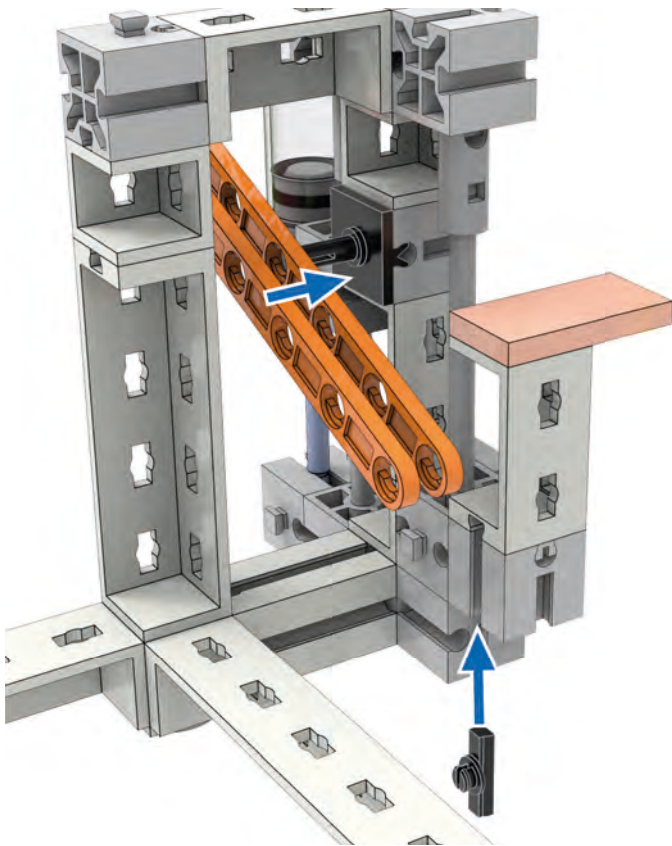
11x

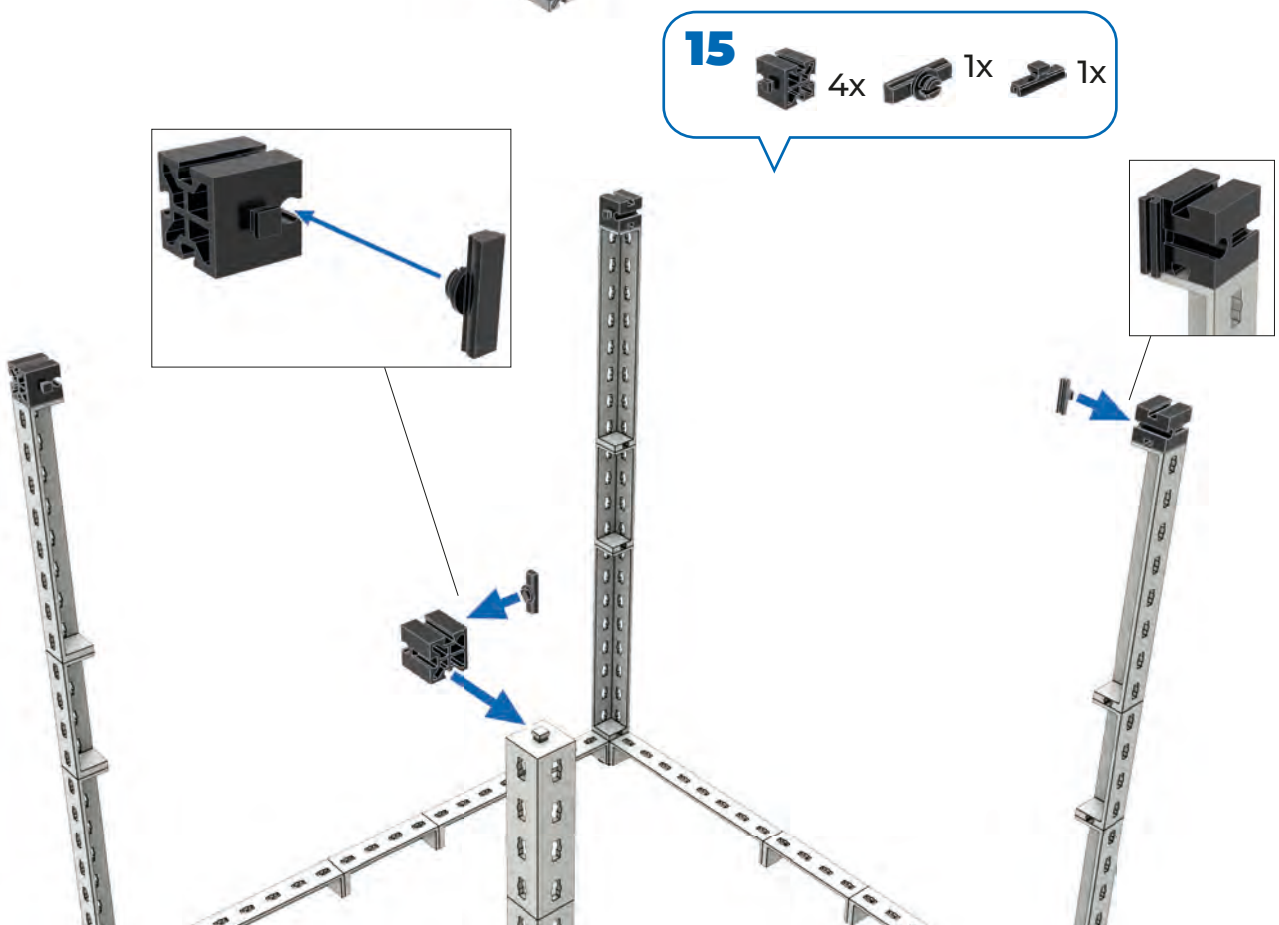
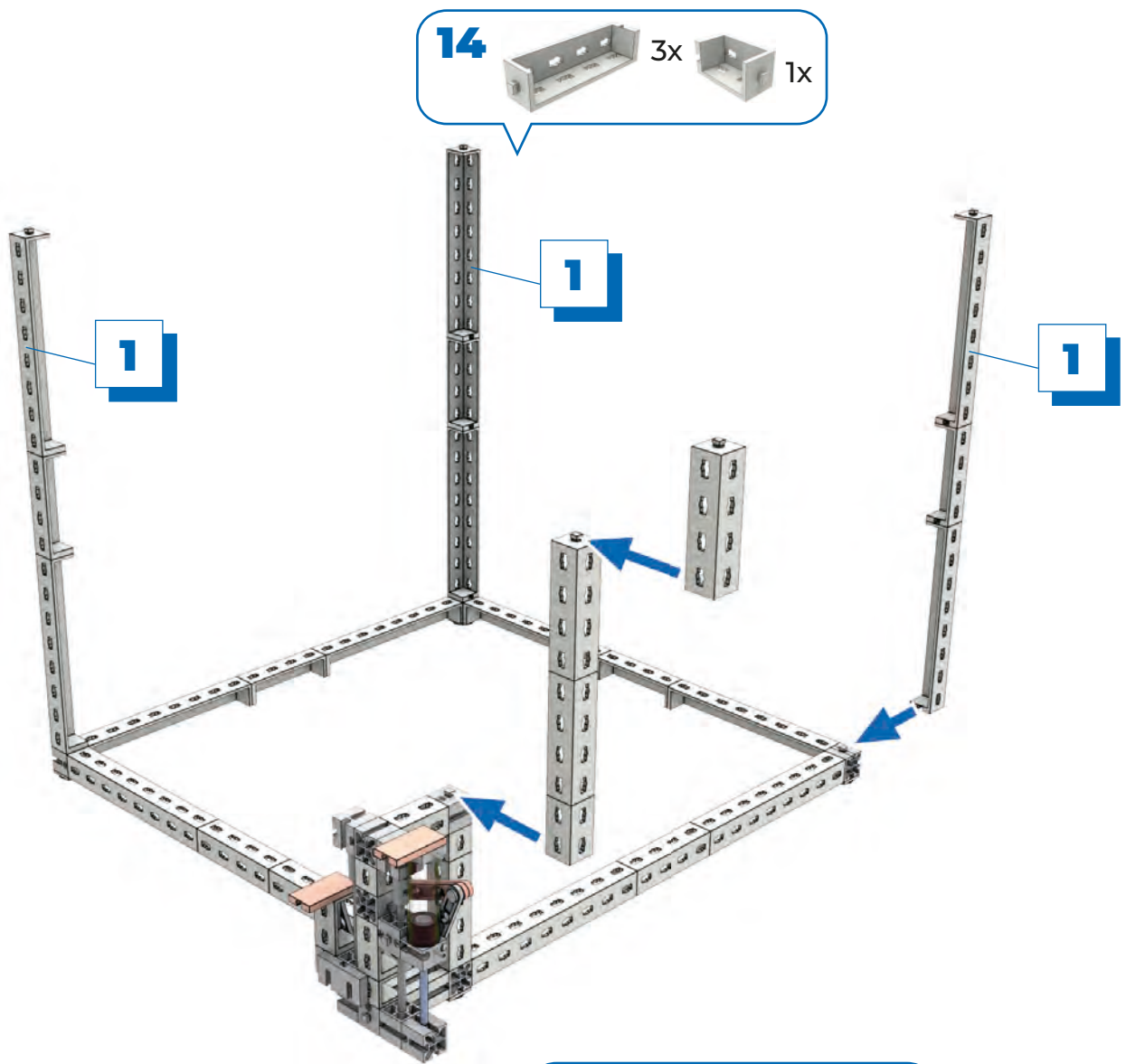


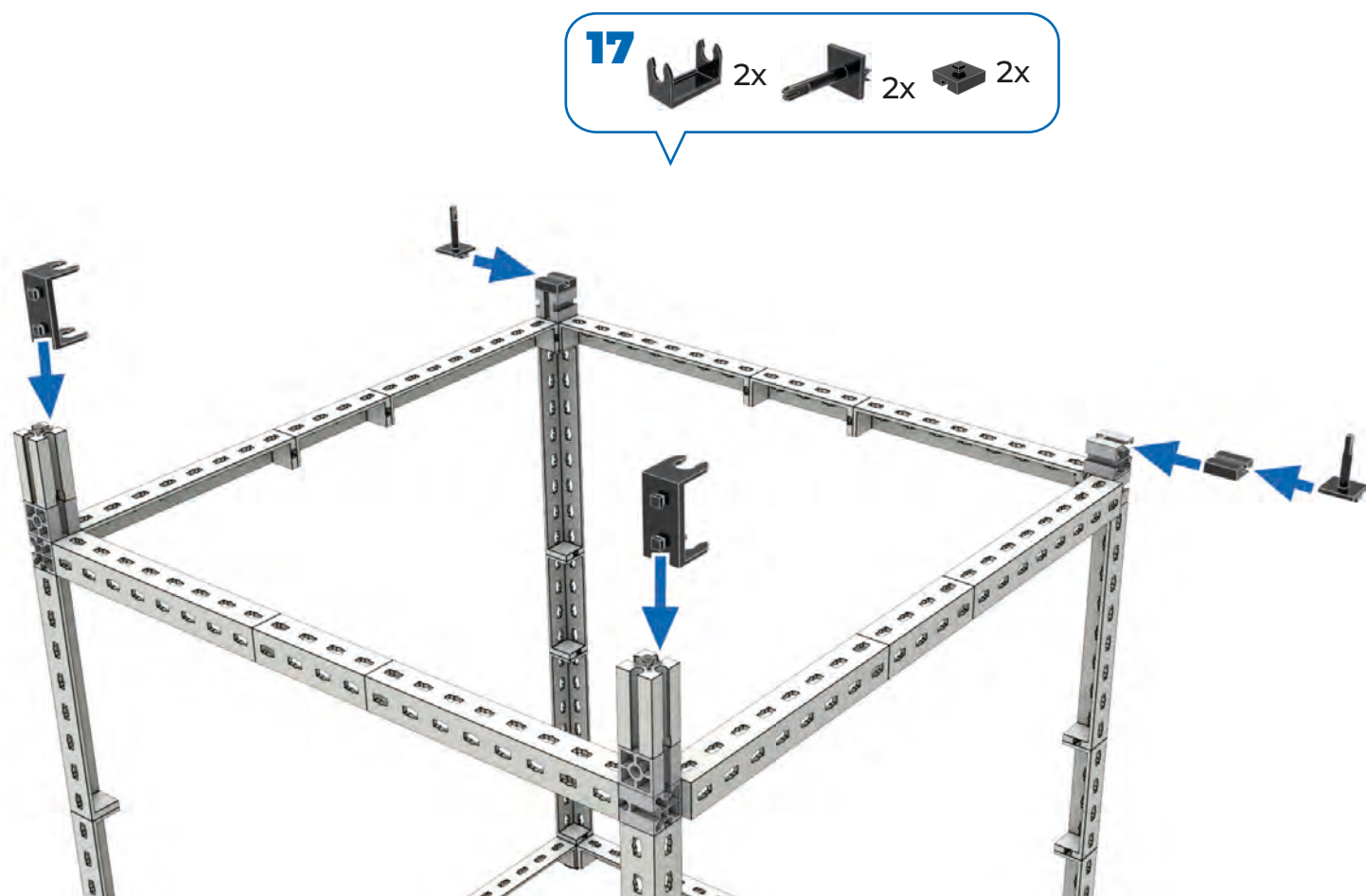
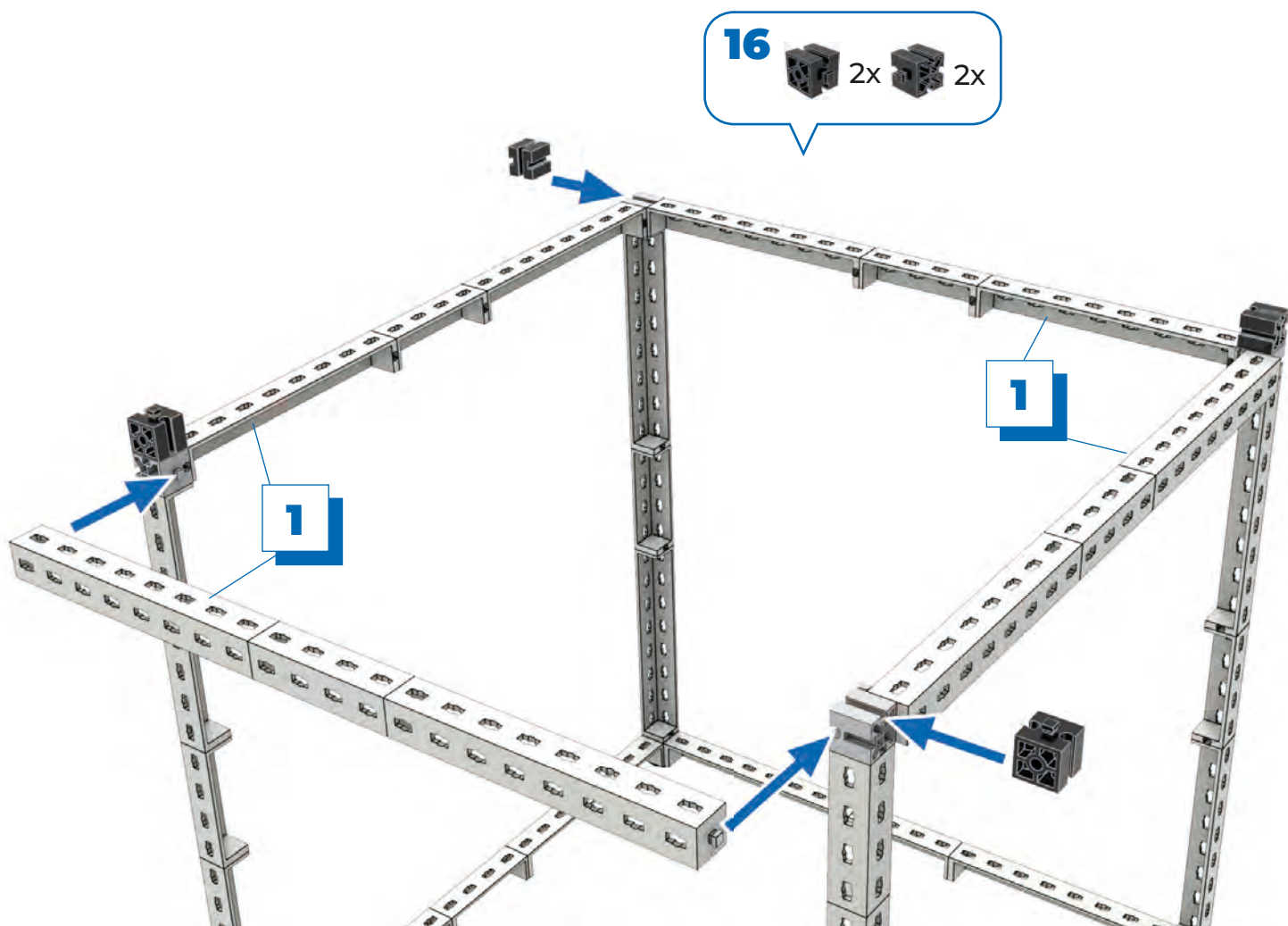




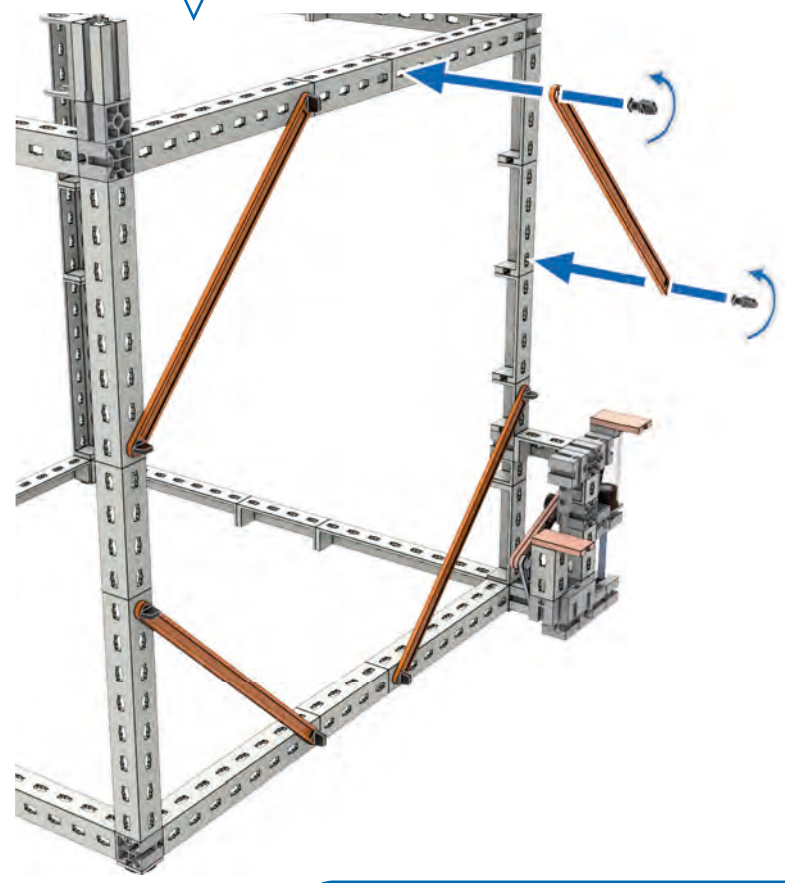




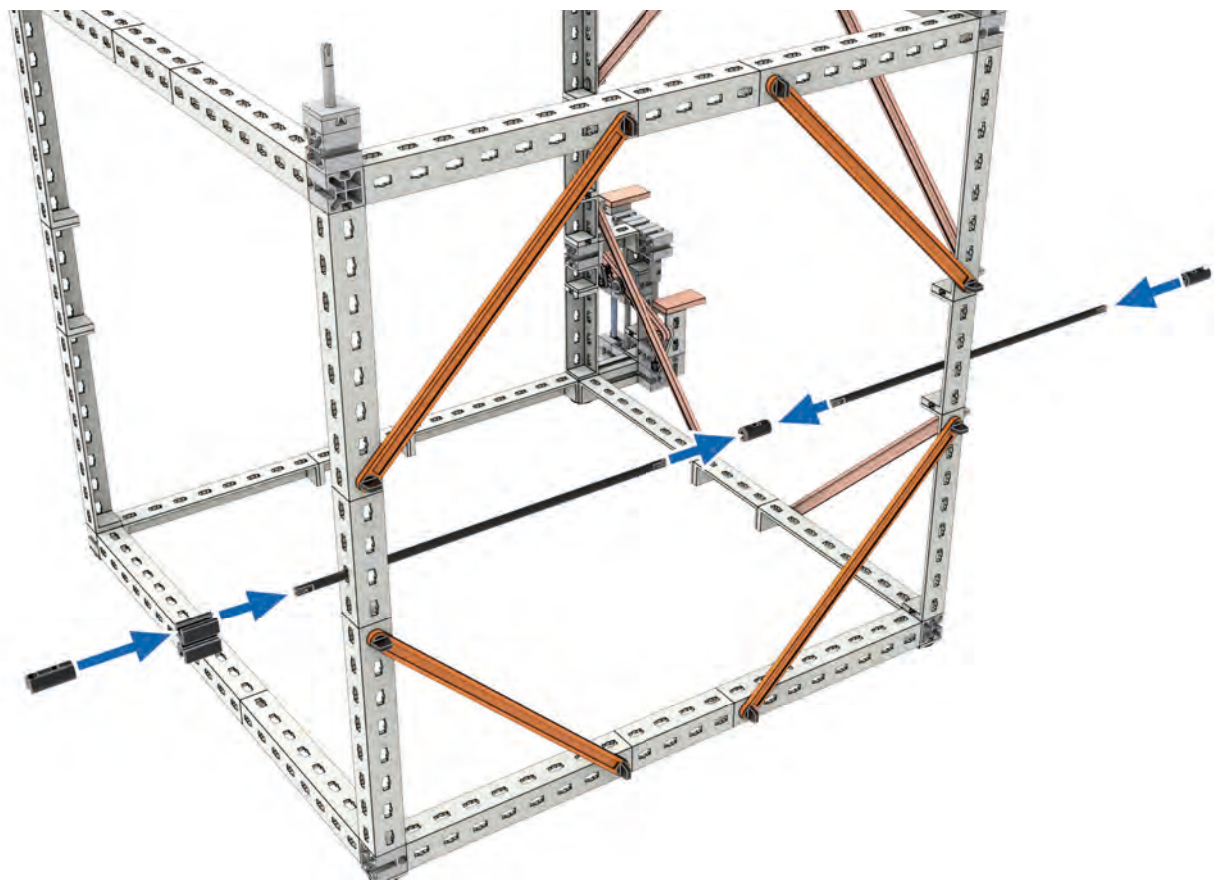




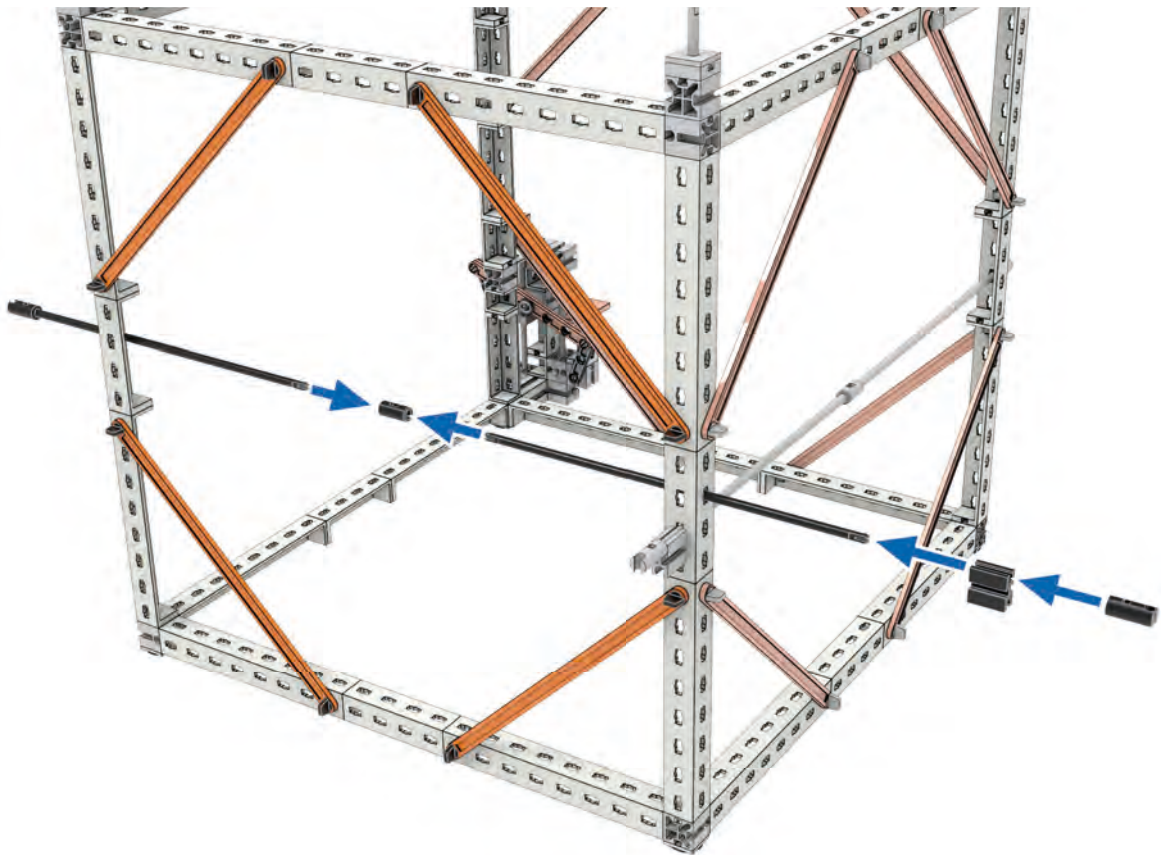
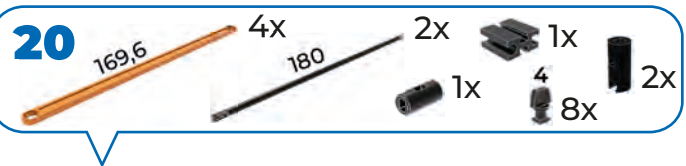
- 18** 169,6 4x 4 8x



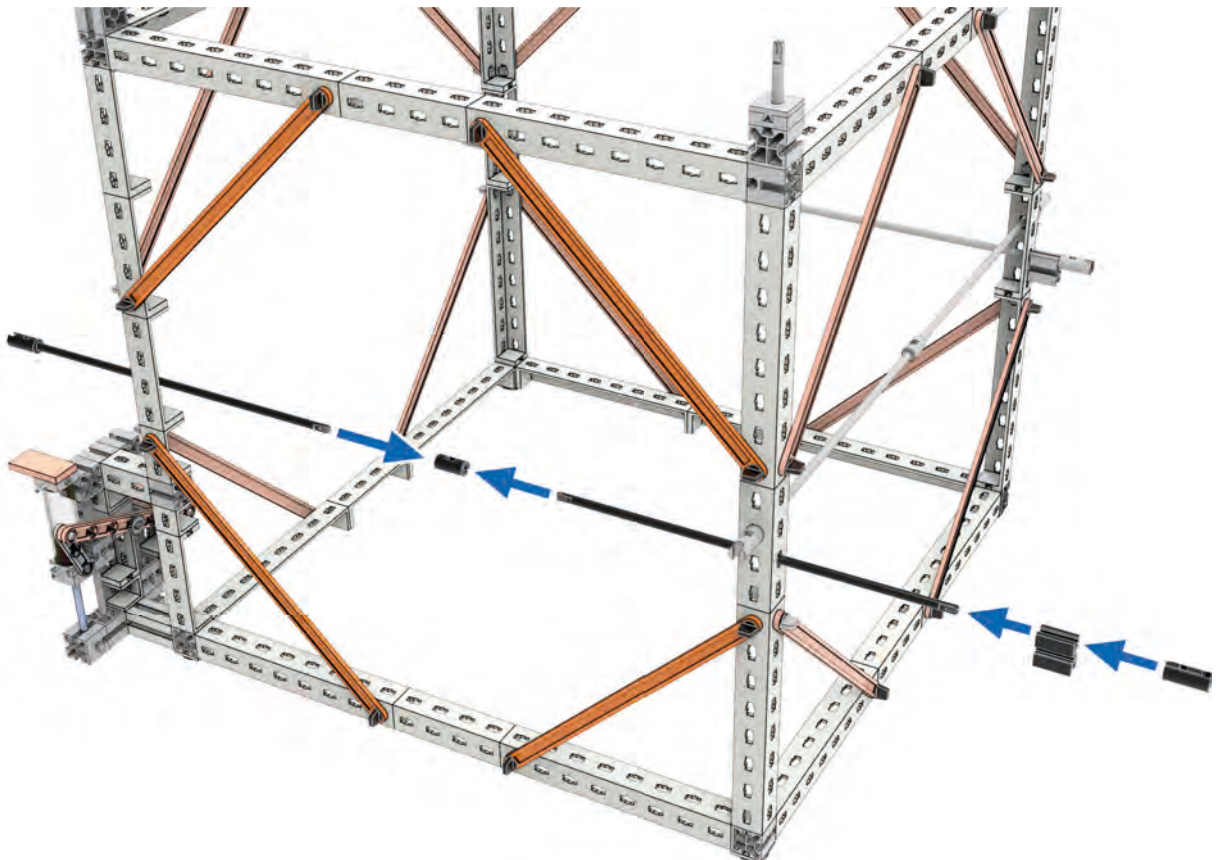
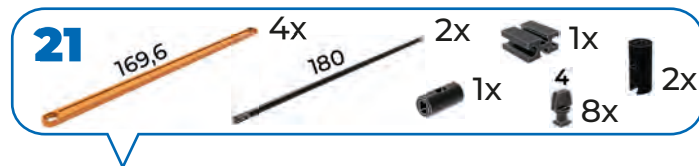
- 19** 169,6 4x 180 2x 2x 1x 1x 4 8x 2x

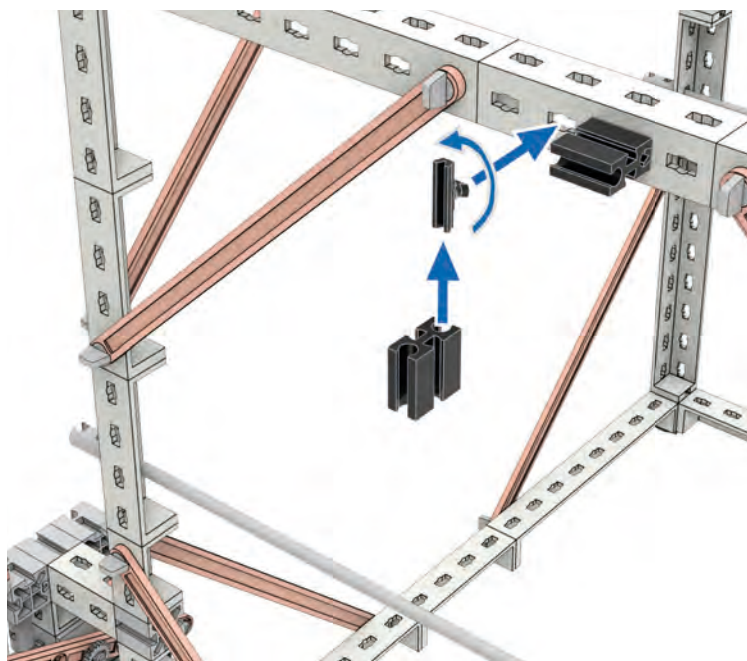


20

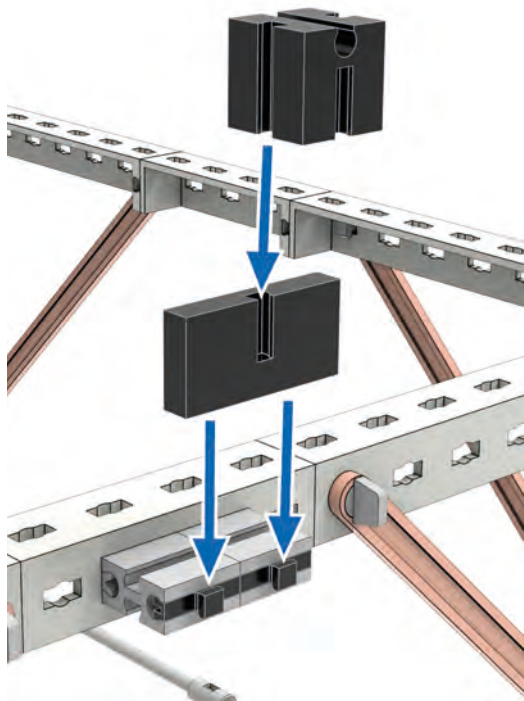


21

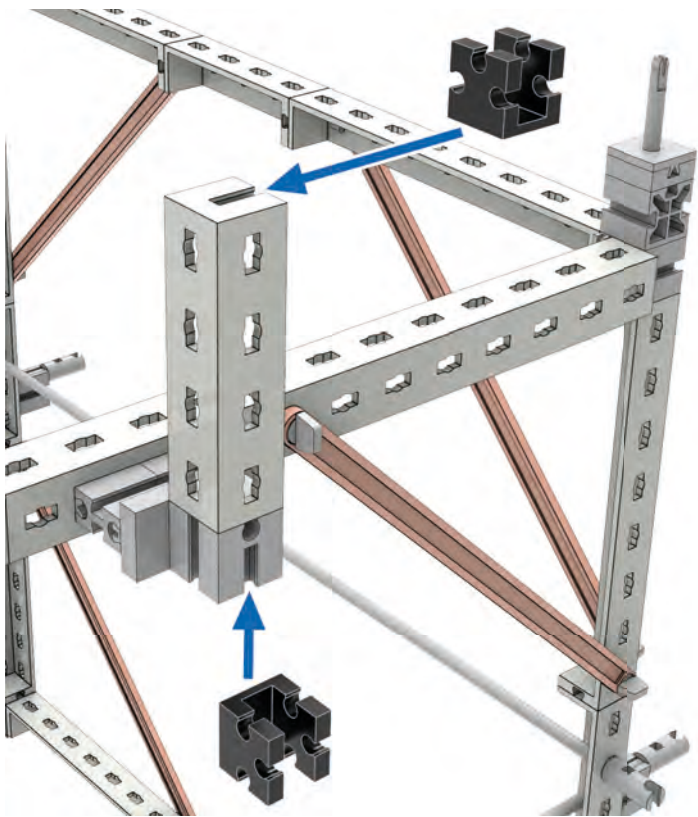




22 2x 2x



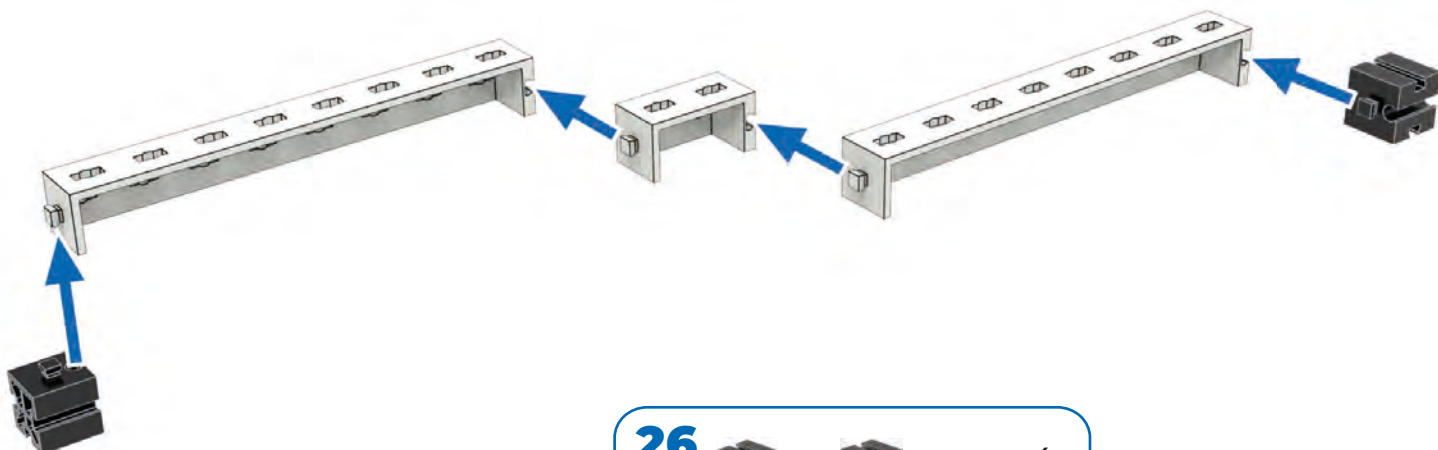
23 1x 1x 2x



24 1x 2x

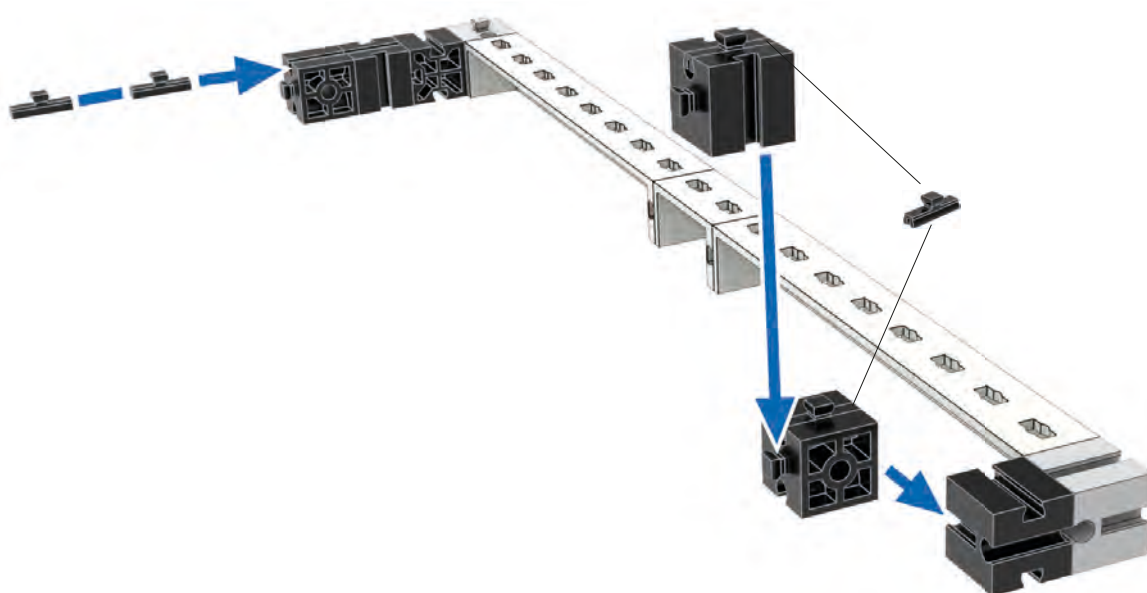
25

2x 1x 2x



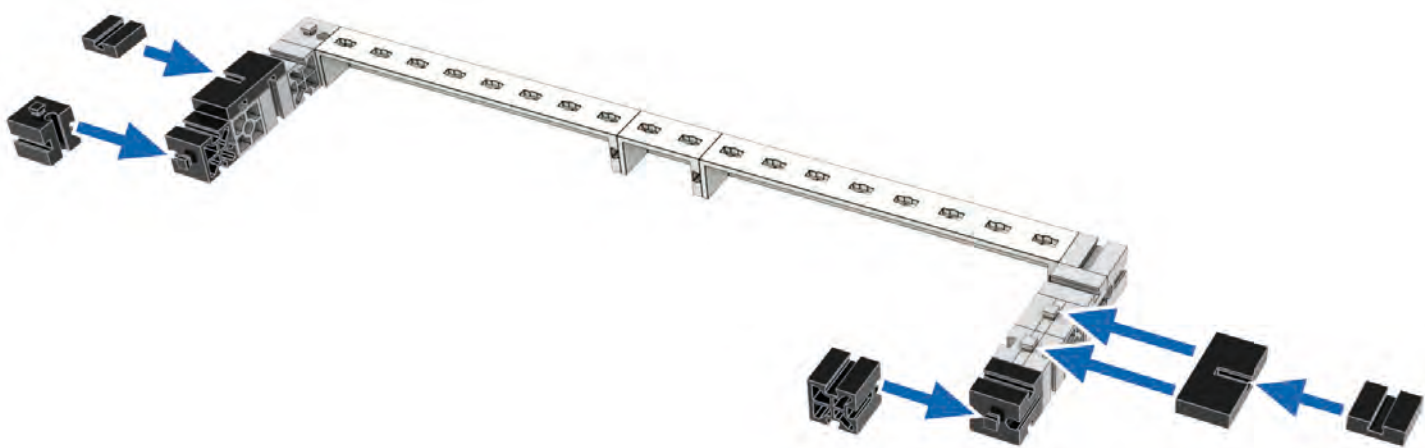
26

4x 2x 4x

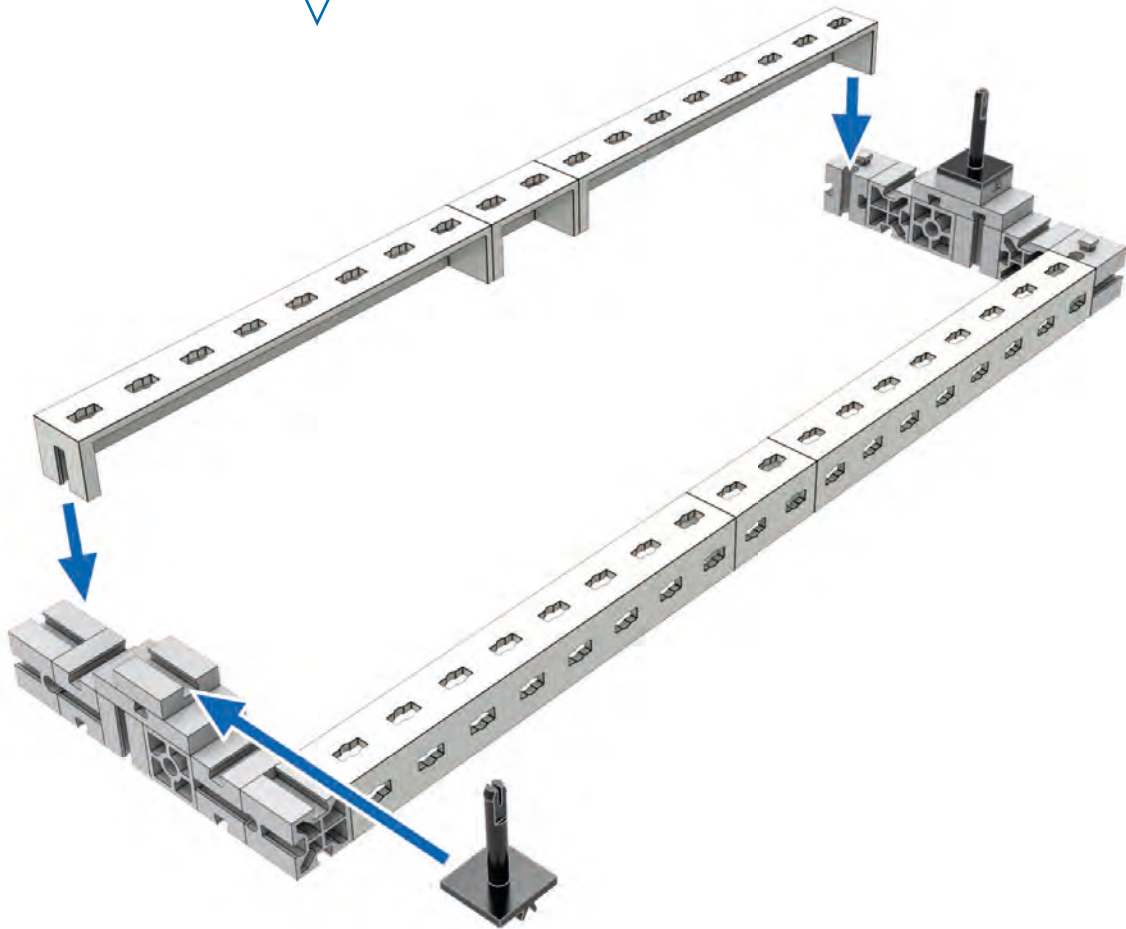


27

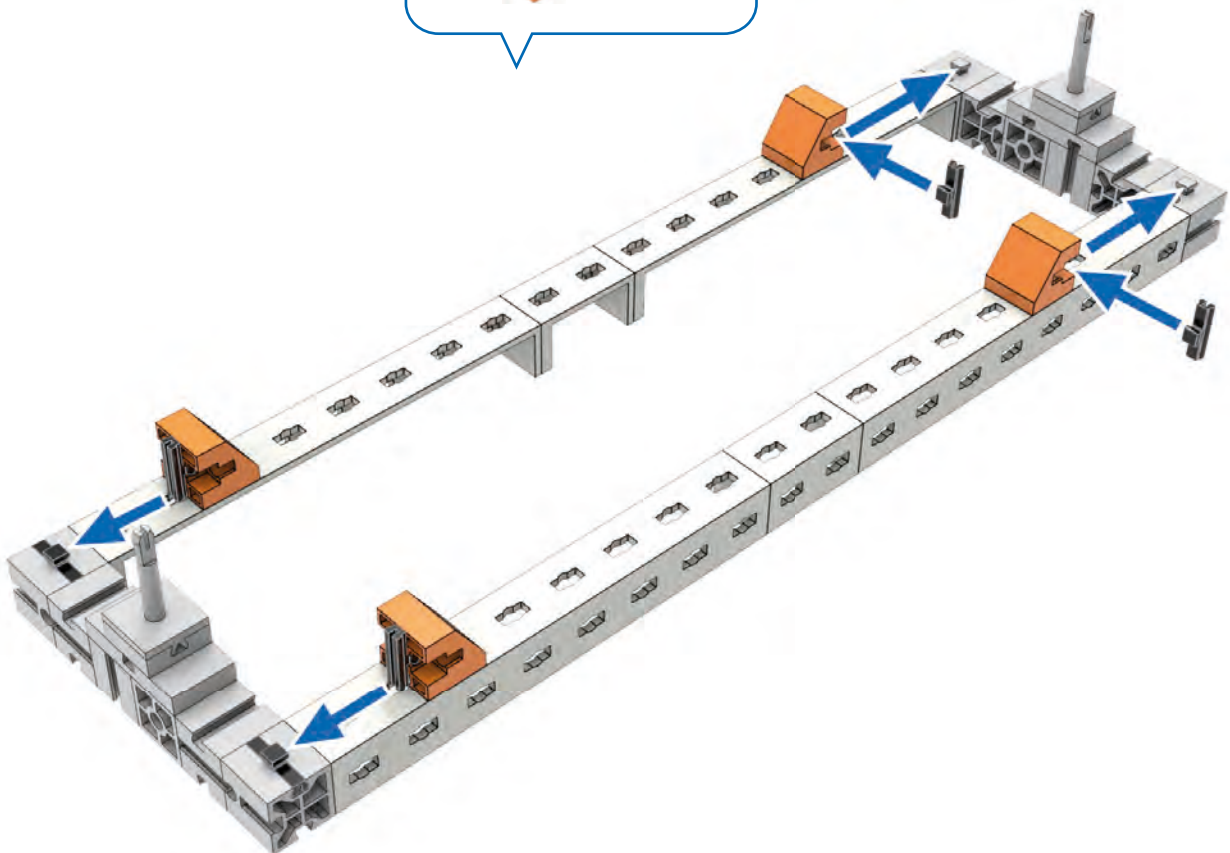
2x 4x 2x

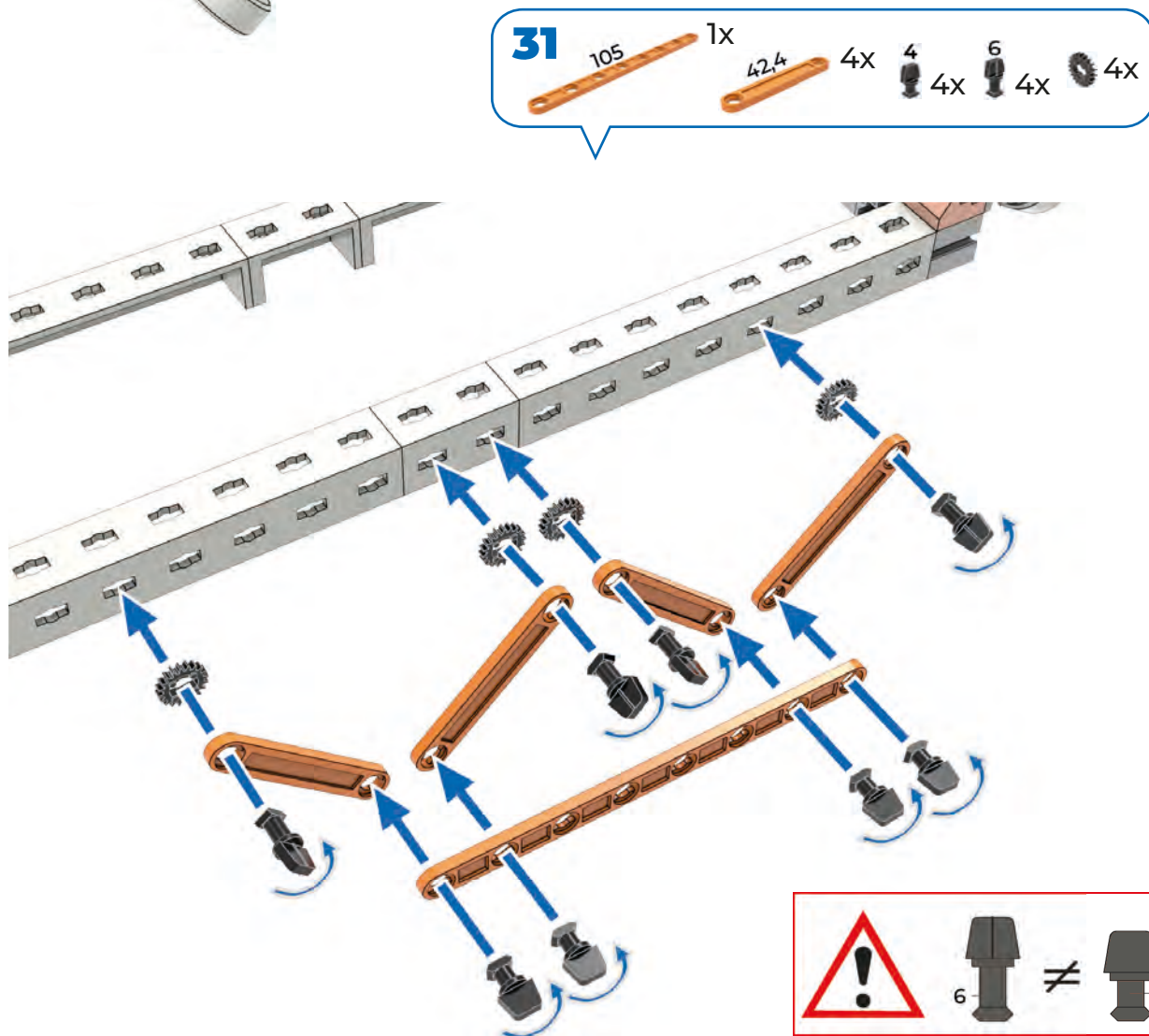
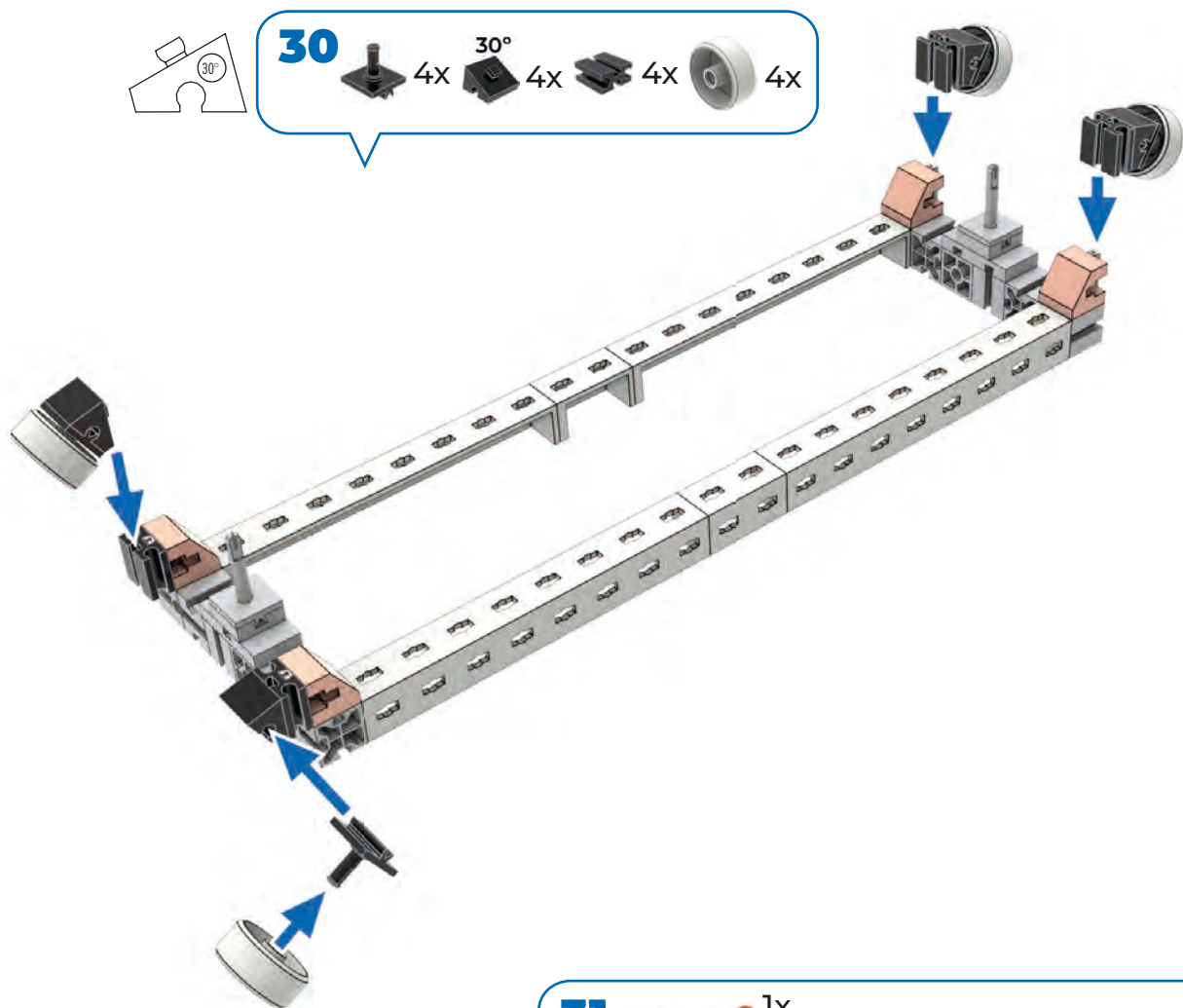


28



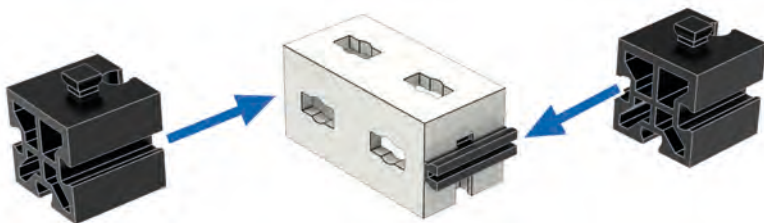
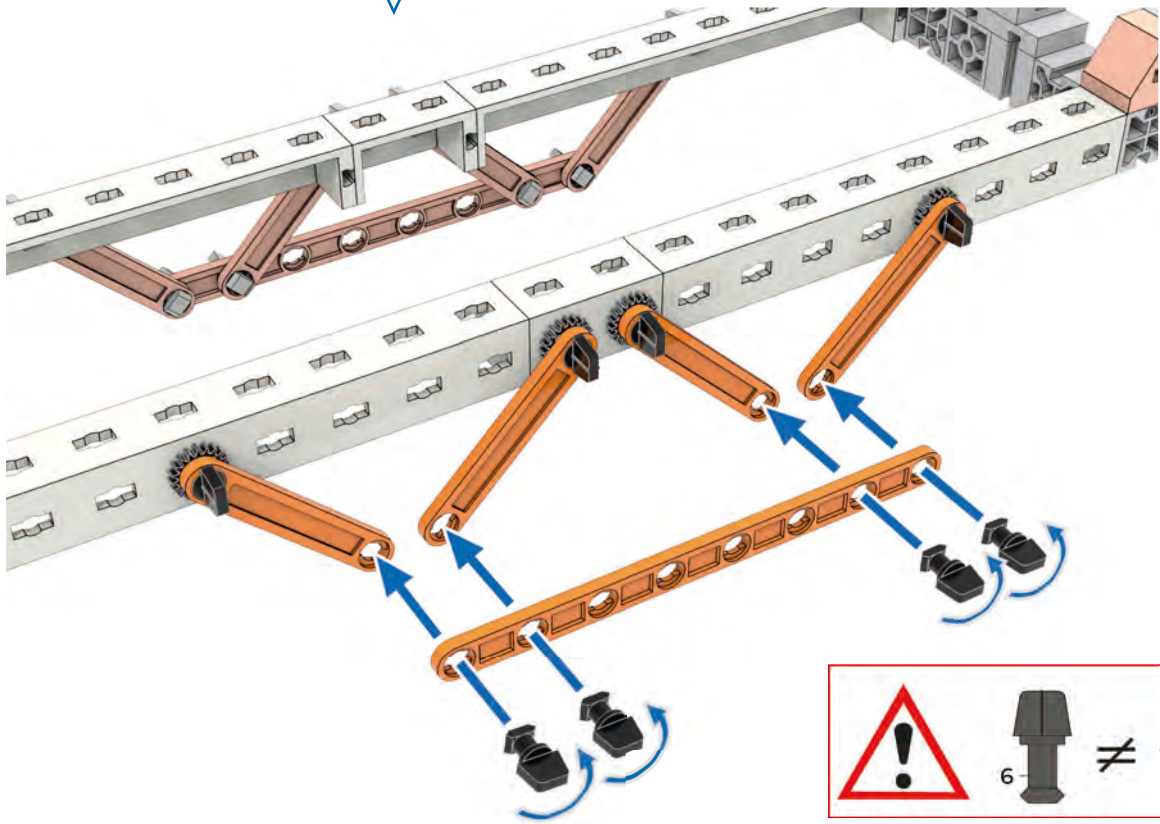
29





32

105 1x 42,4 4x 4 4x 6 4x 4x

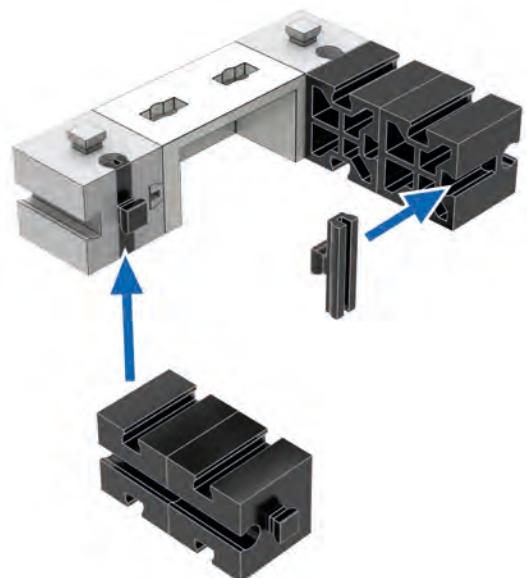


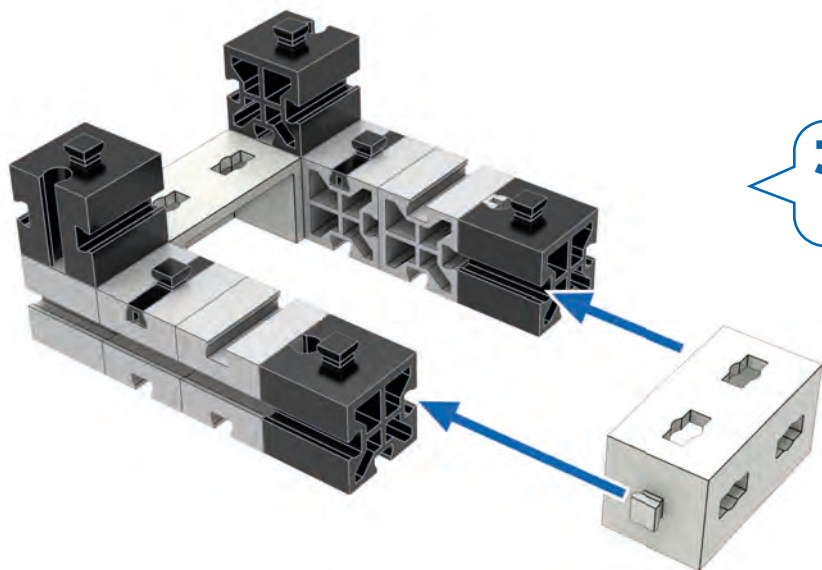
33

1x 2x 1x

34

4x 2x





35



1x



4x



2x

36



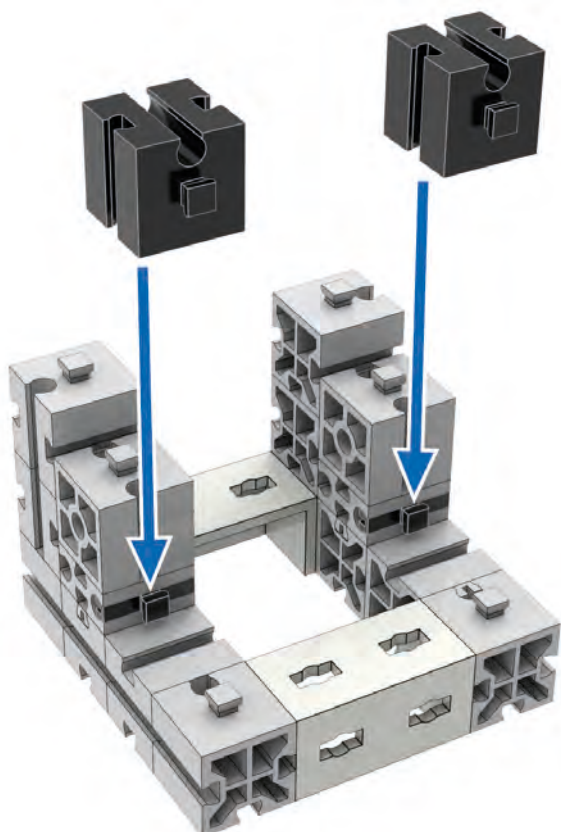
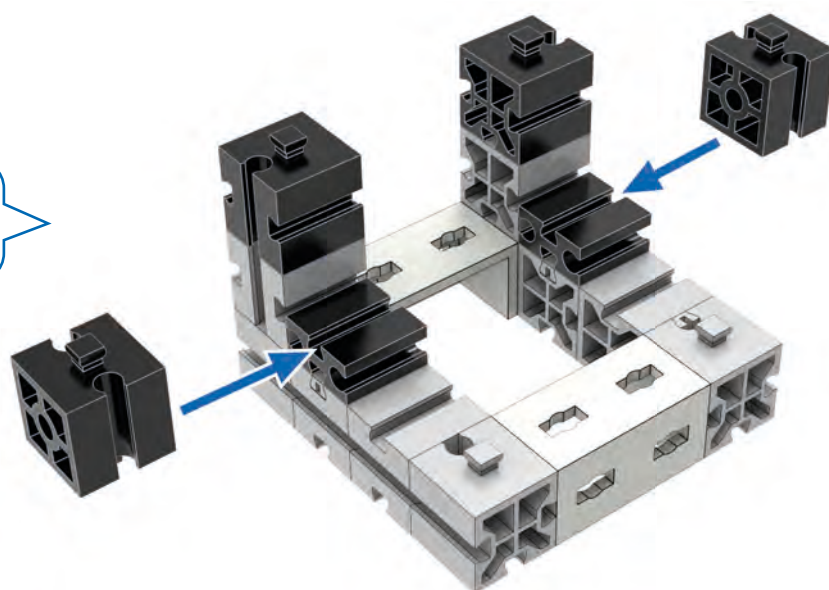
2x



2x



2x



37



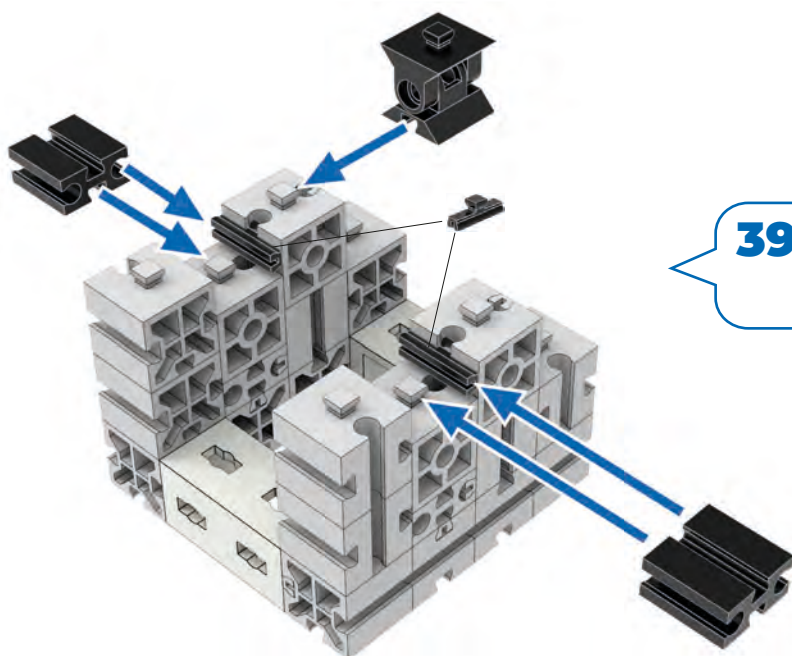
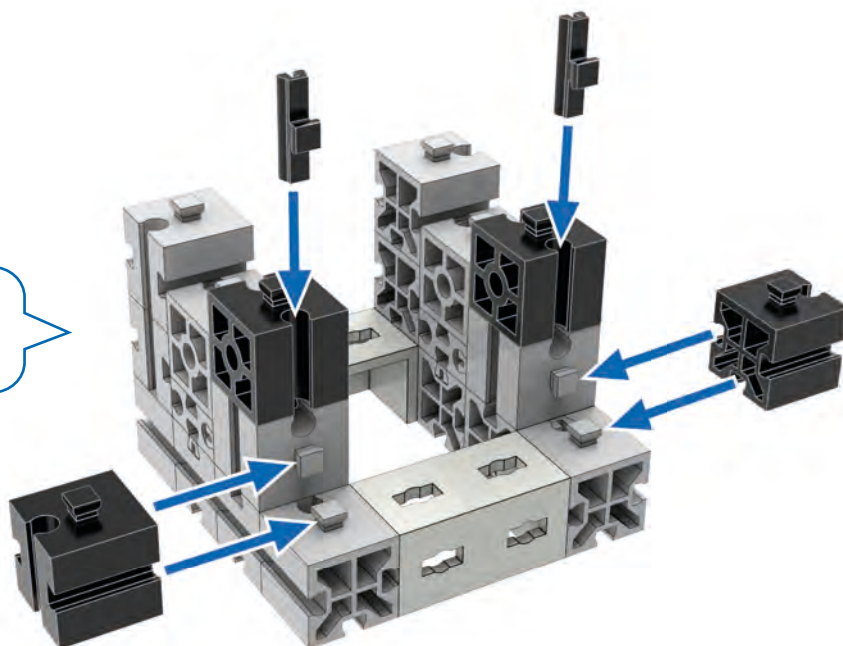
2x



2x

38

2x 2x 2x 2x

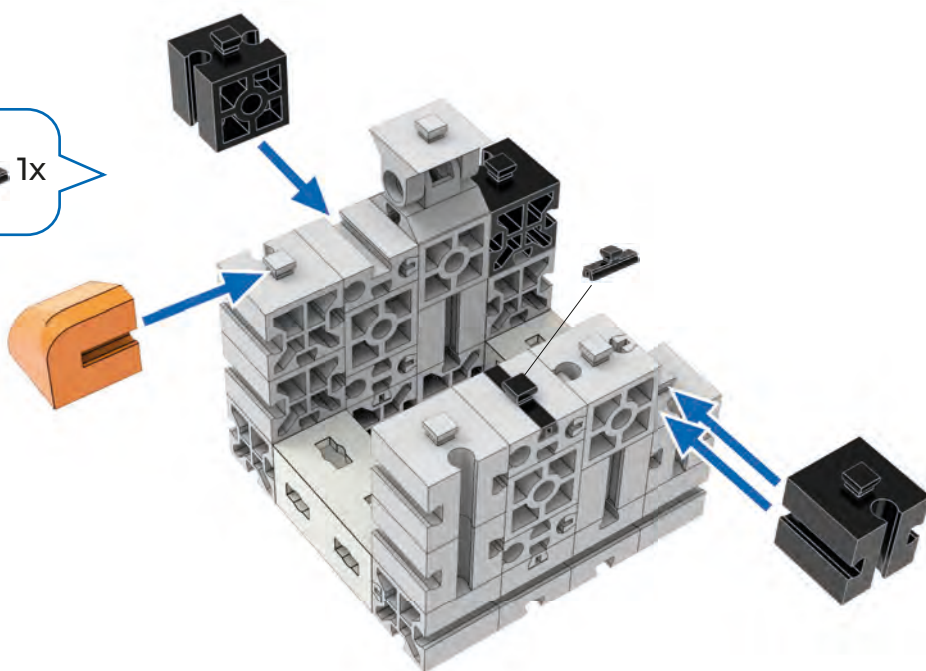


39

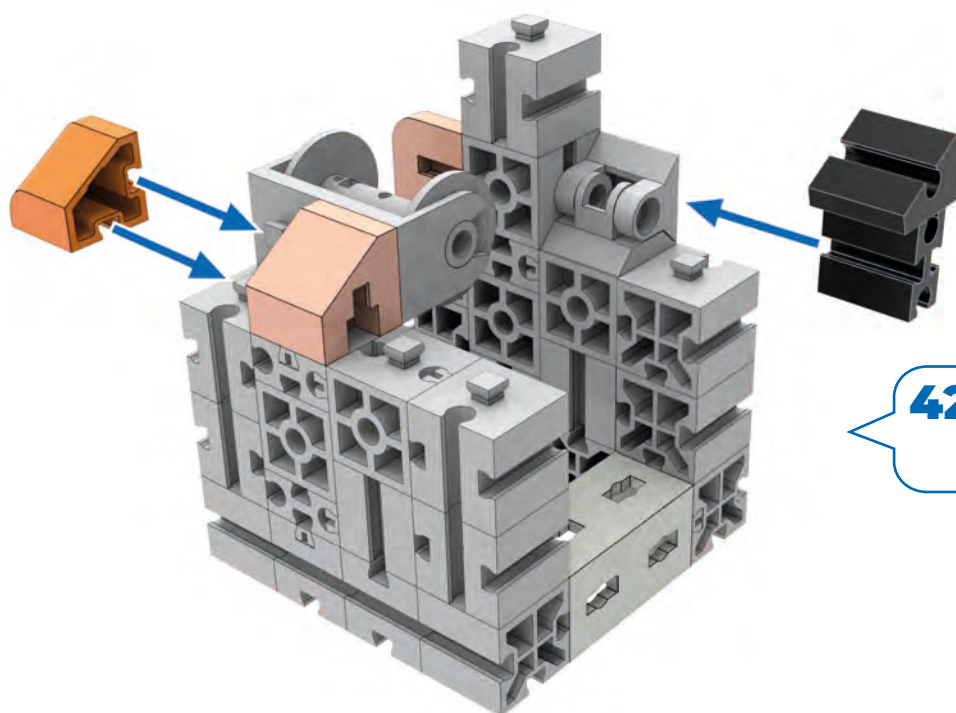
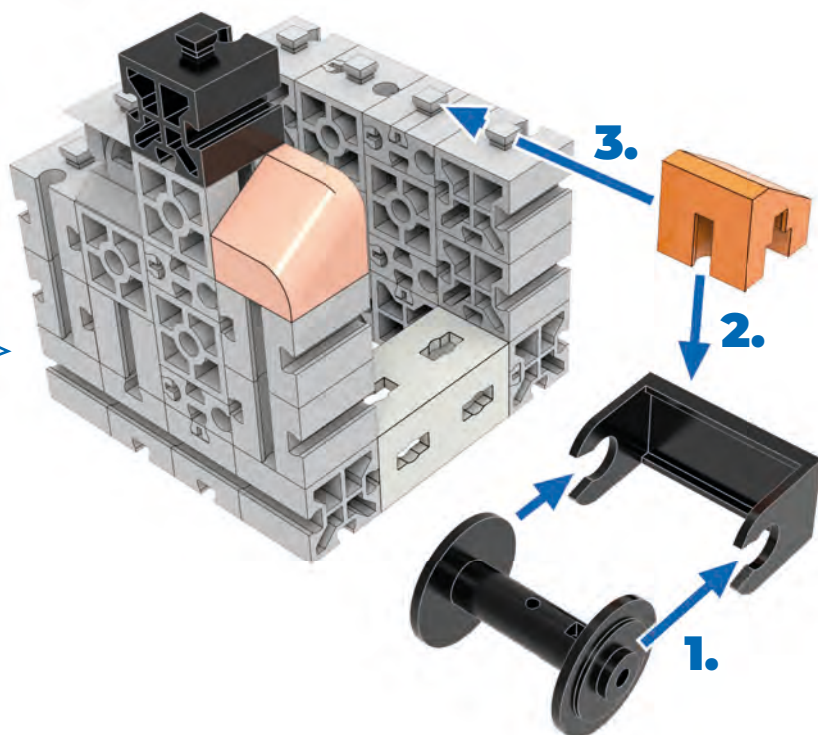
1x 2x 2x

40

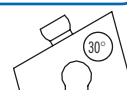
1x 2x 1x 1x



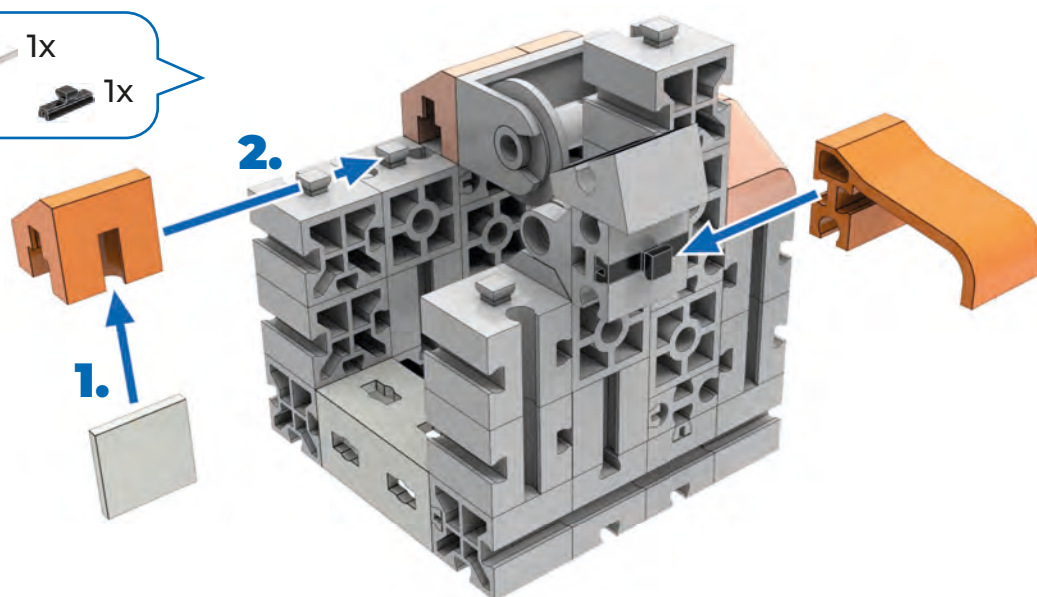
- 41** 1x 1x 1x 1x



- 42** 1x 30° 1x 1x

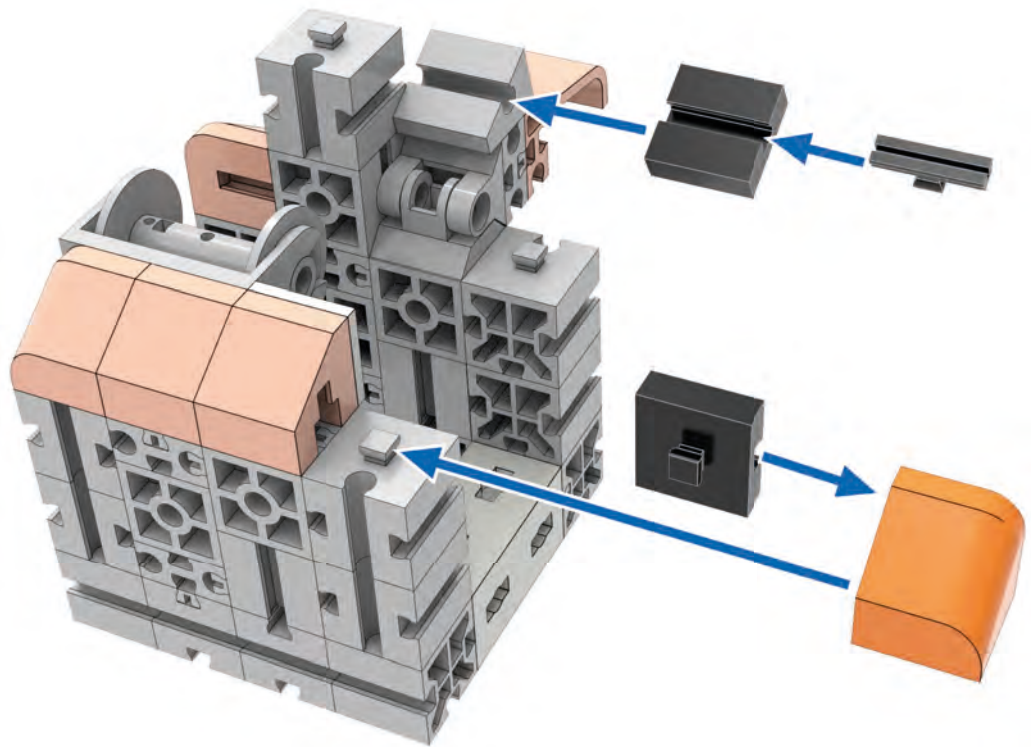


- 43** 1x 1x 1x 1x



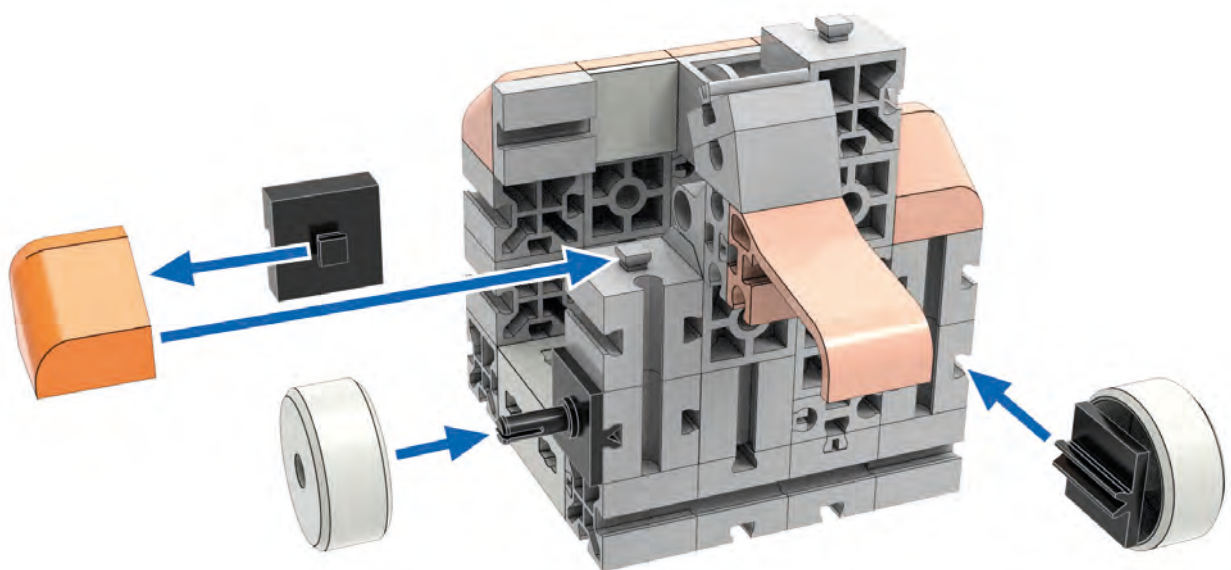
44

1x 2x 1x



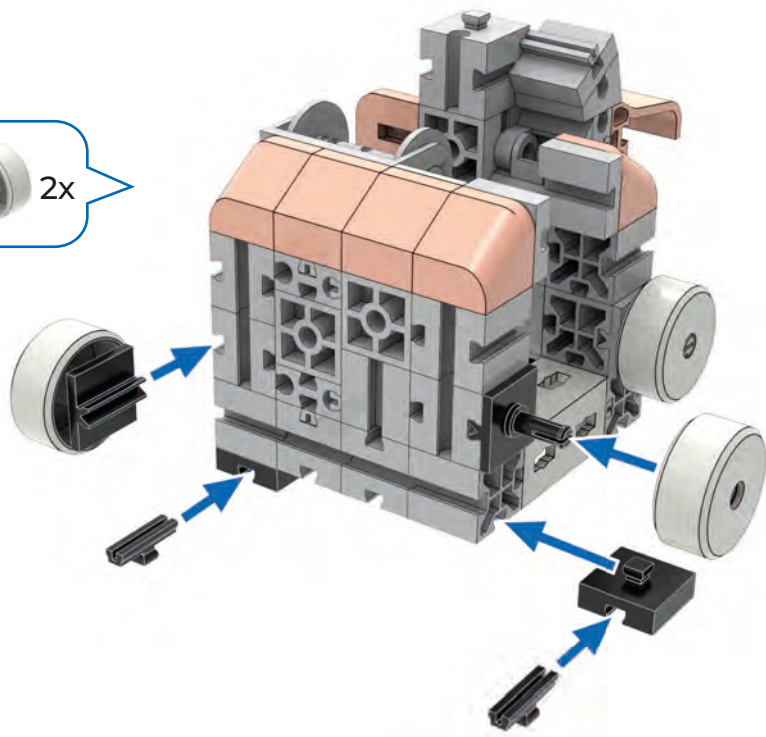
45

1x 2x 1x 2x

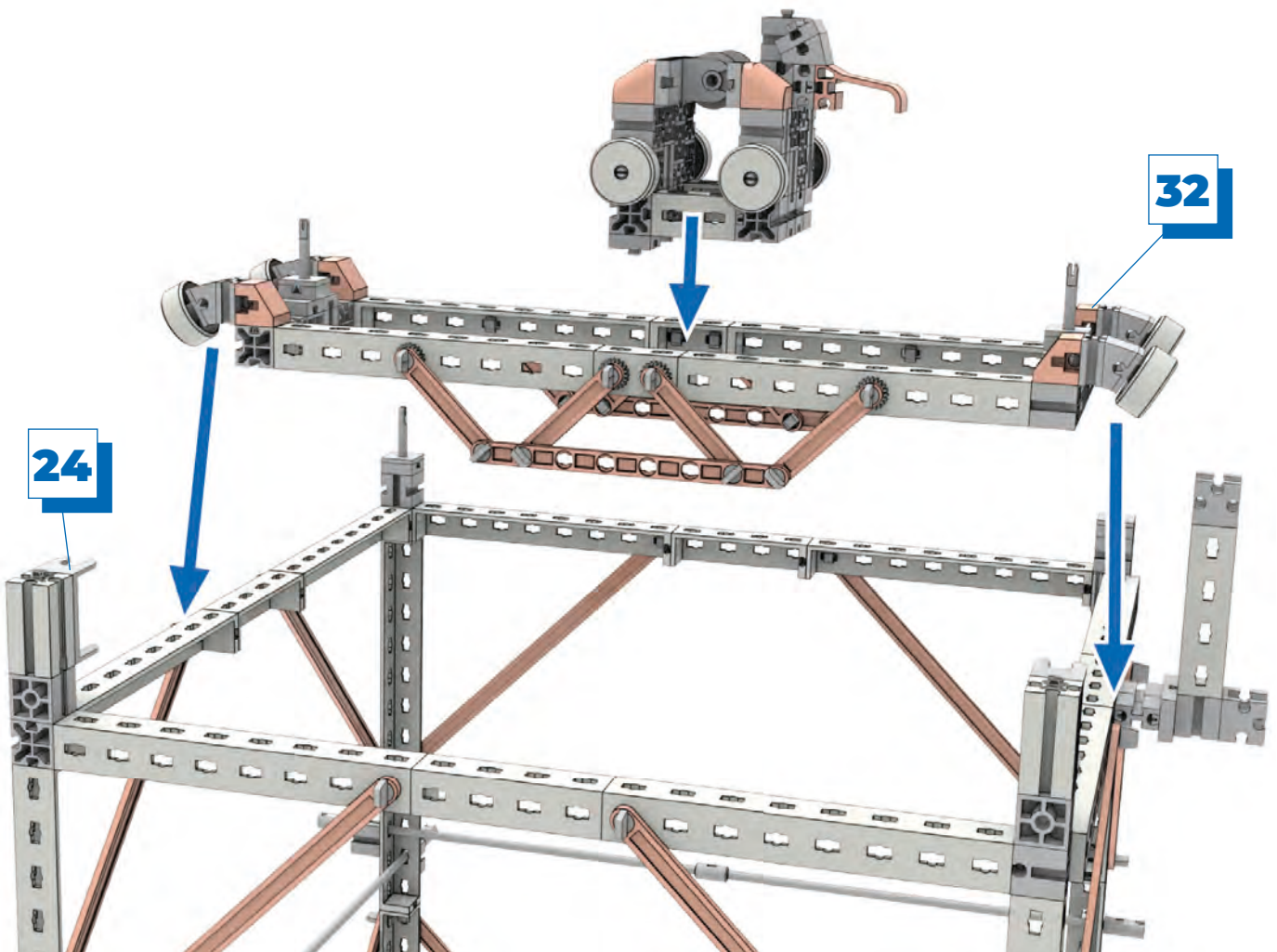


46

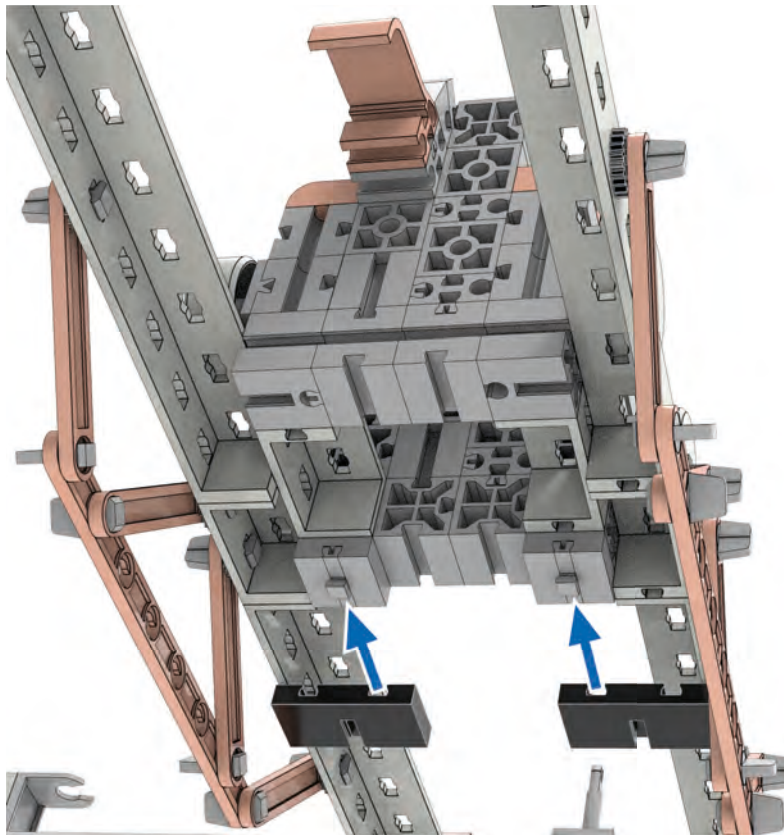
2x 2x 2x 2x



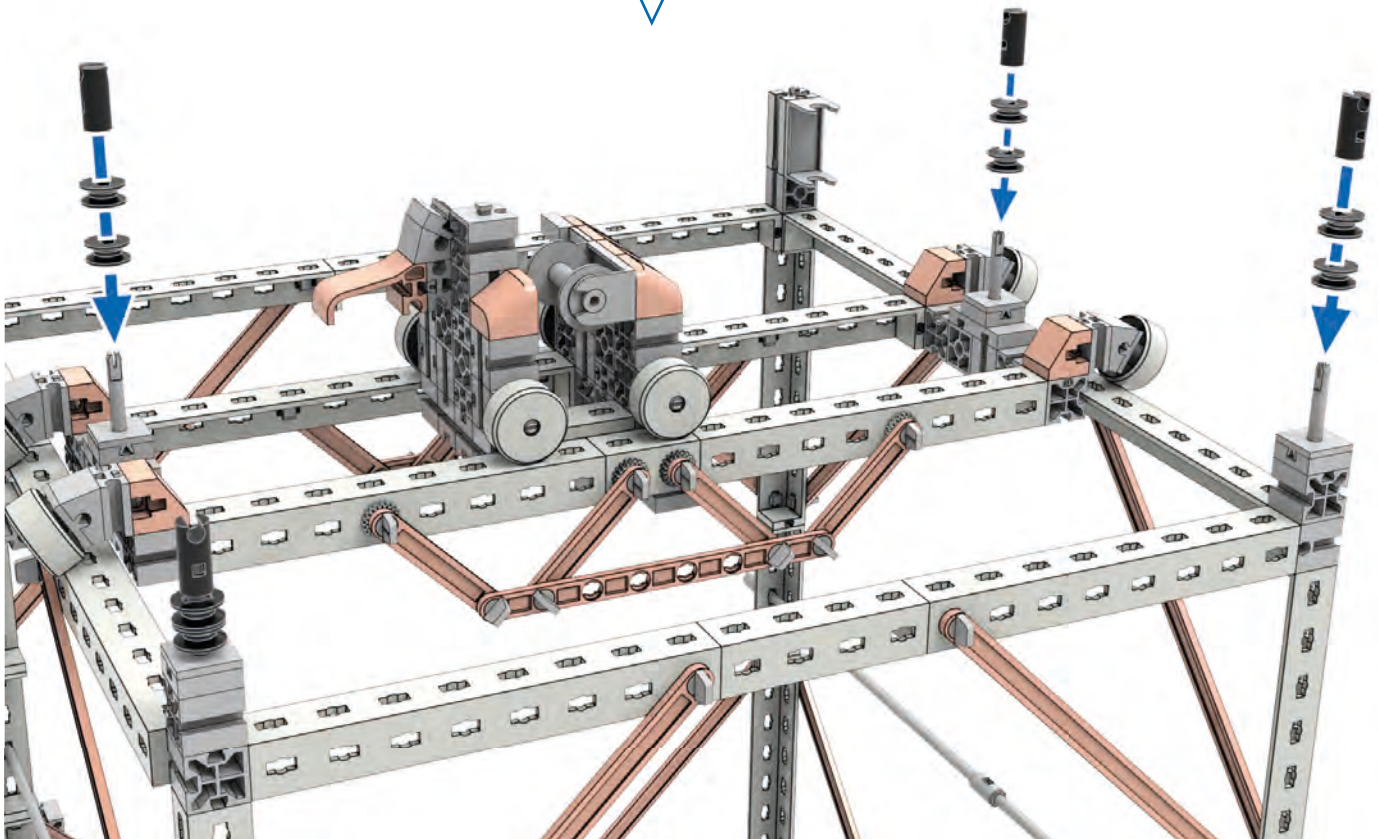
47



48 2x



49 4x 8x



50



1x



1x



1x

30



1x

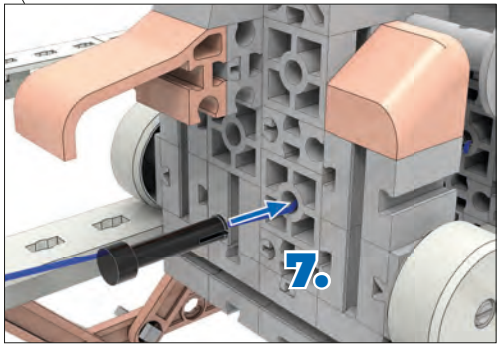
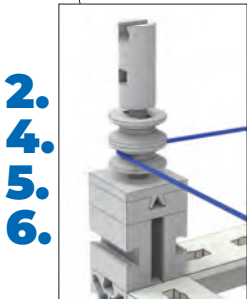
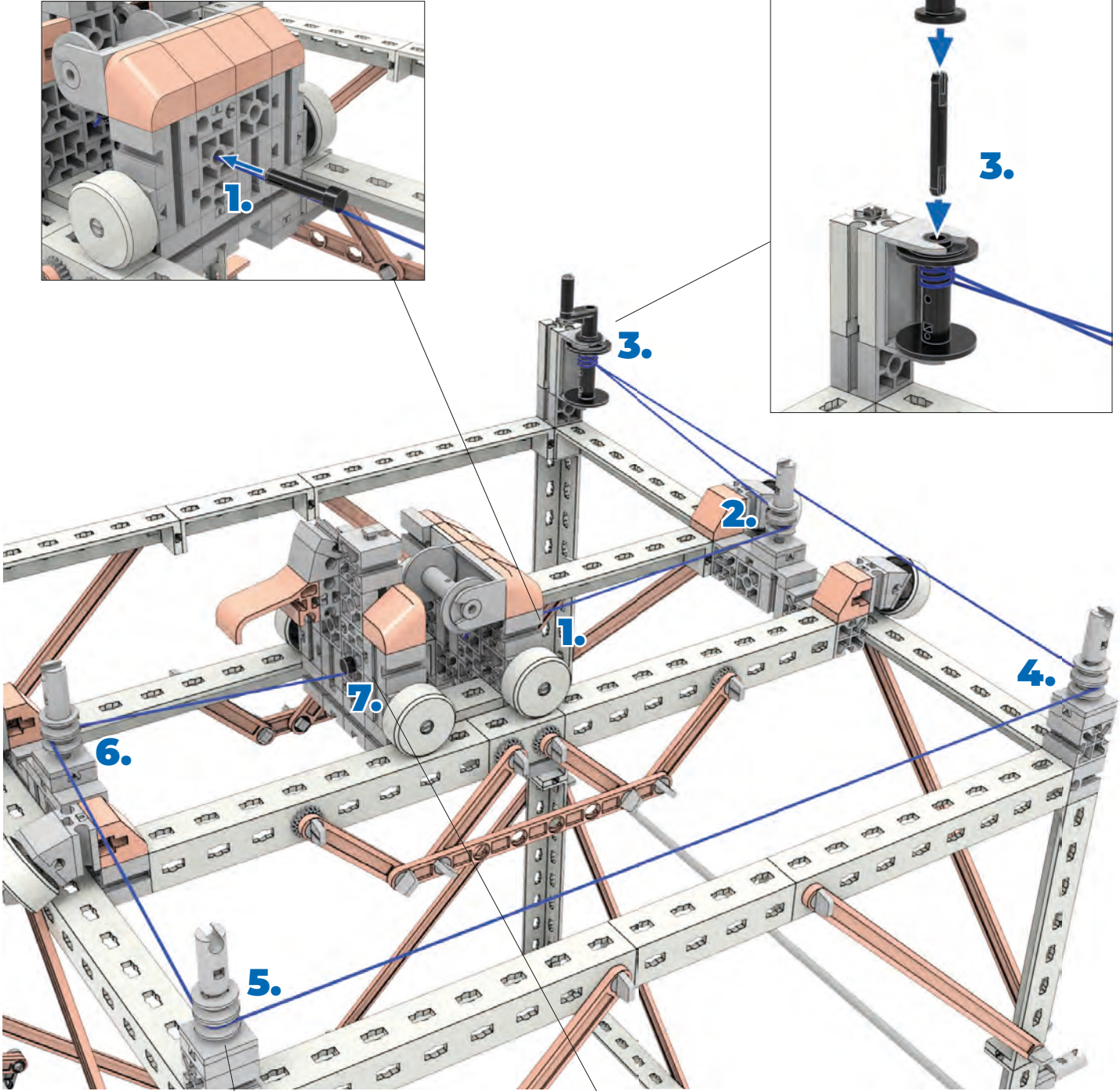
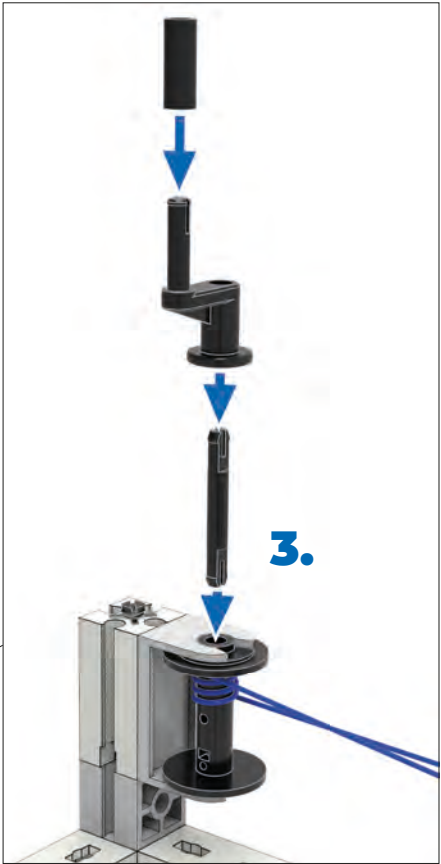
2x



1x



30 mm



51



1x



1x



1x



1x

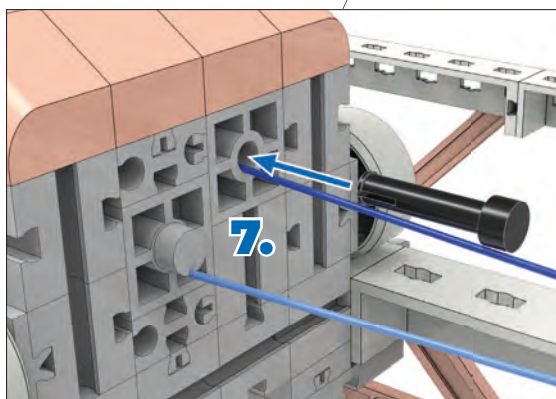
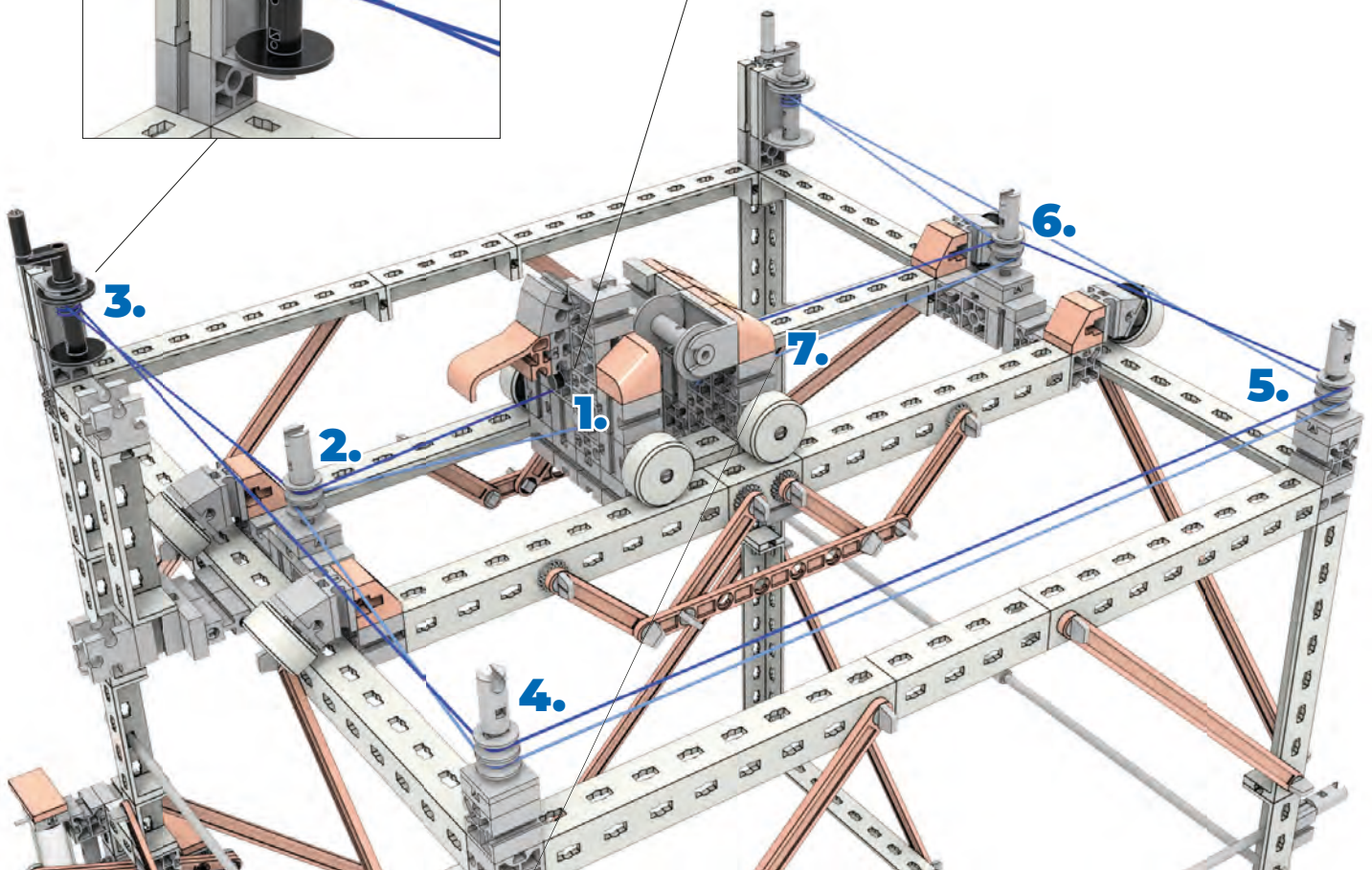
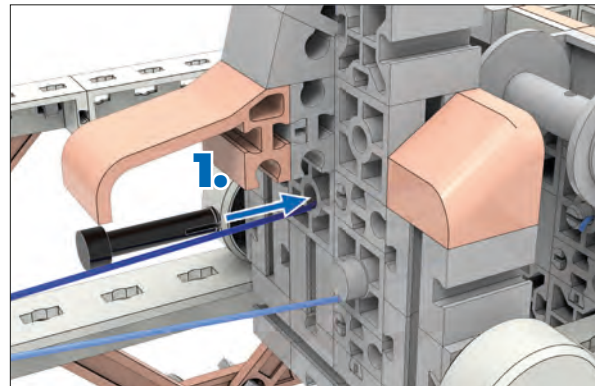
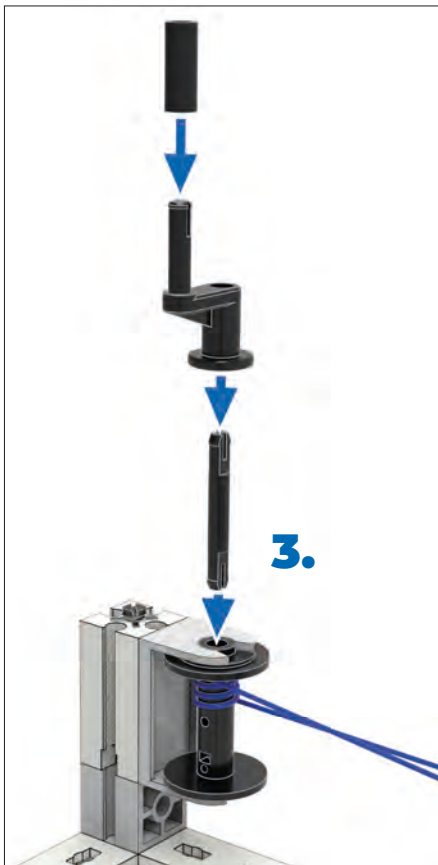
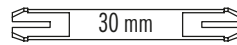


2x

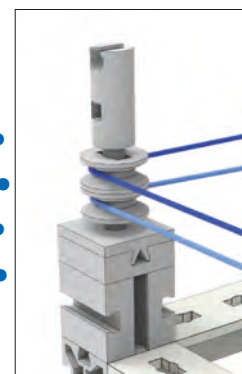


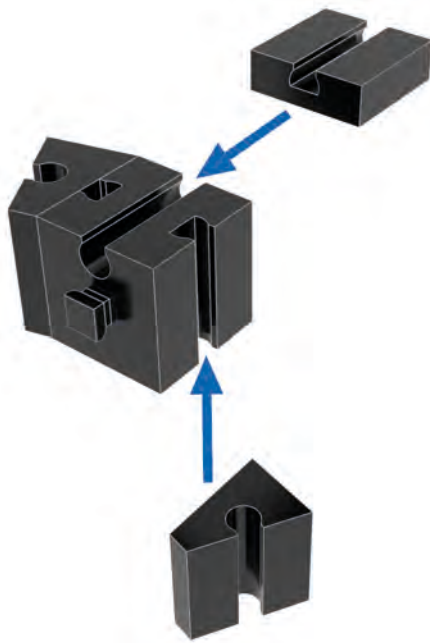
1x

130cm



2.
4.
5.
6.



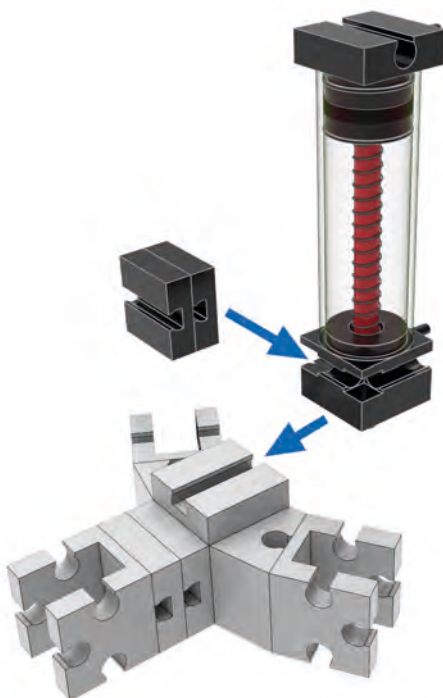
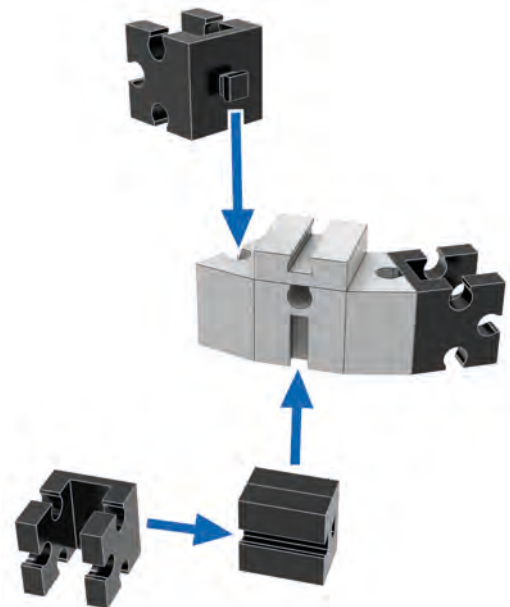


52

1x 30° 2x 1x

53

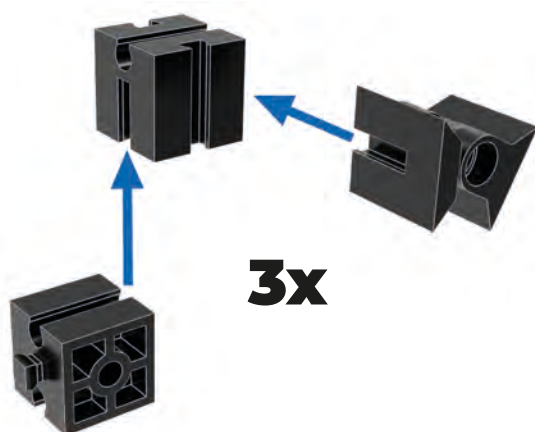
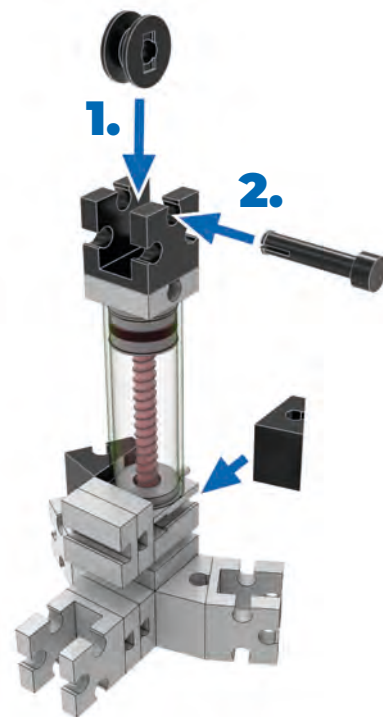
3x 2x



54

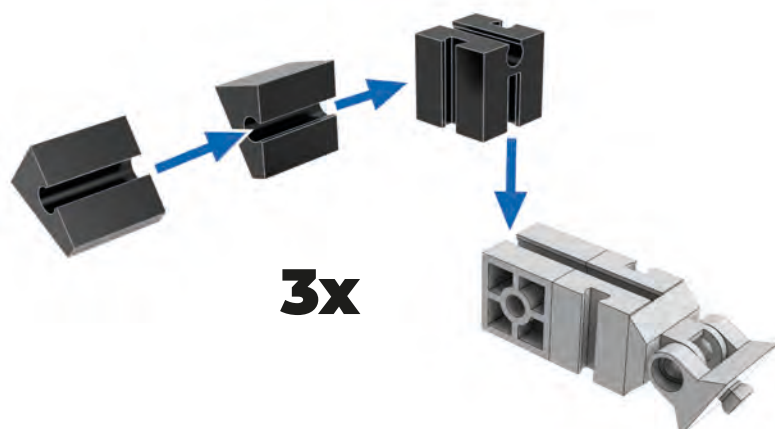
1x 2x

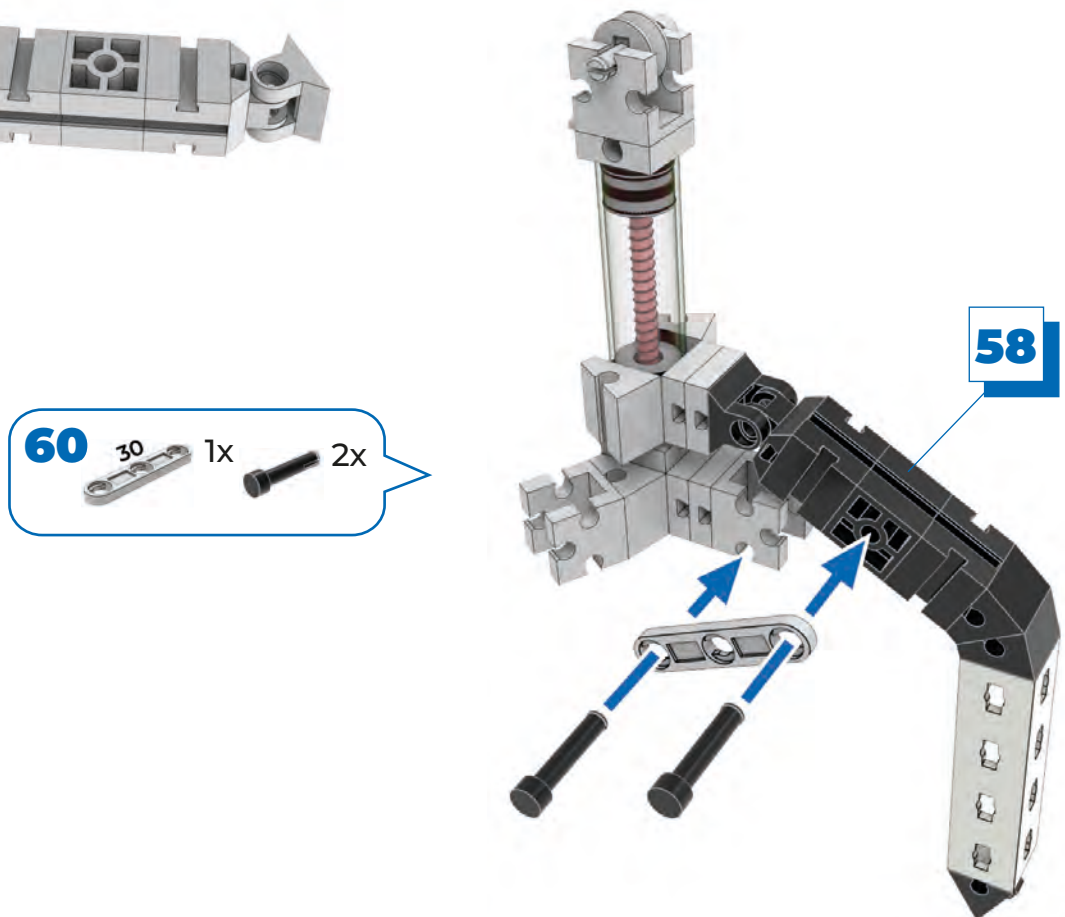
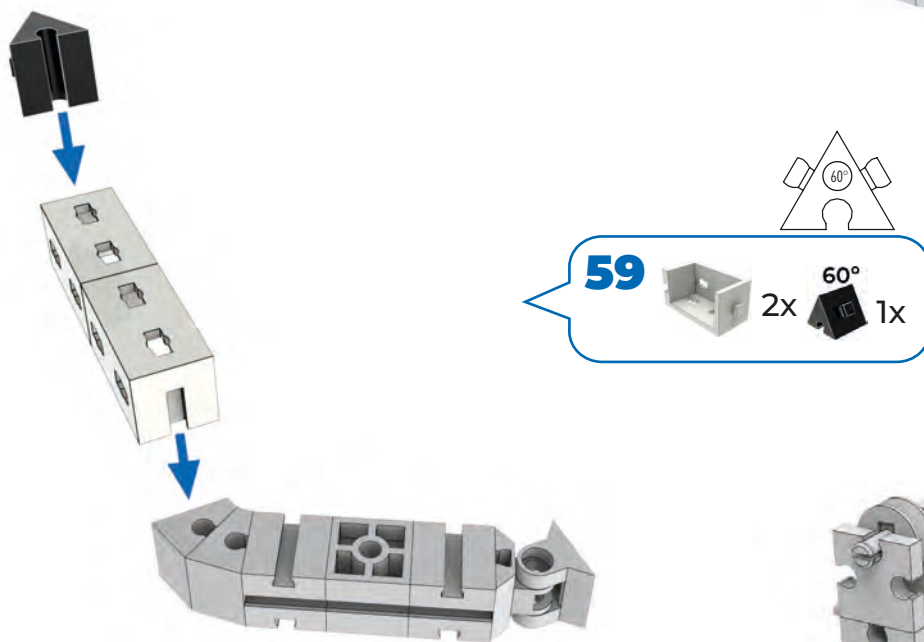
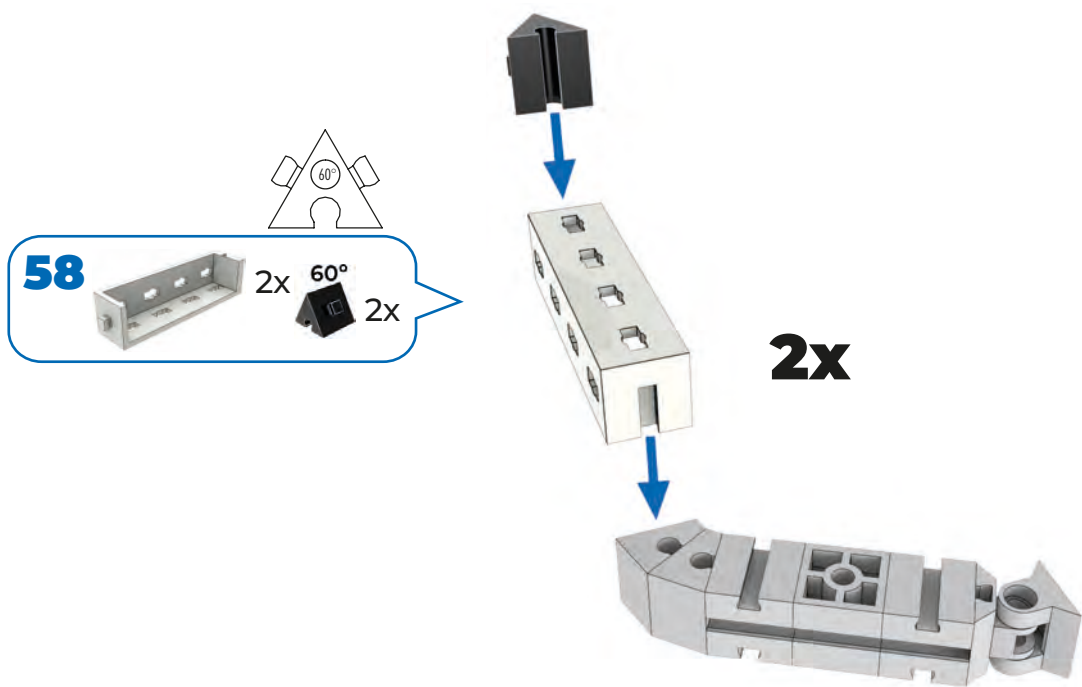
55 1x 30° 2x 1x 1x



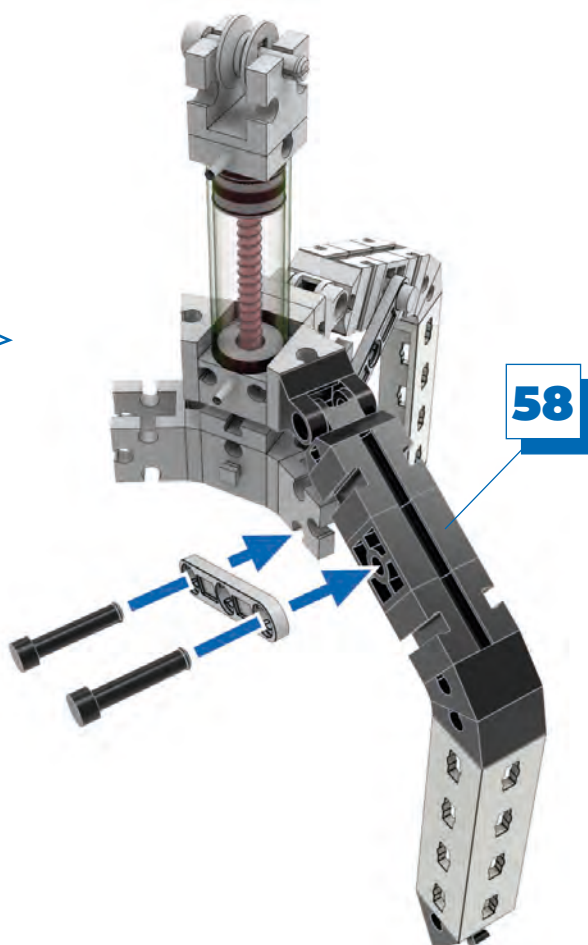
56 3x 3x 3x

57 3x 30° 6x

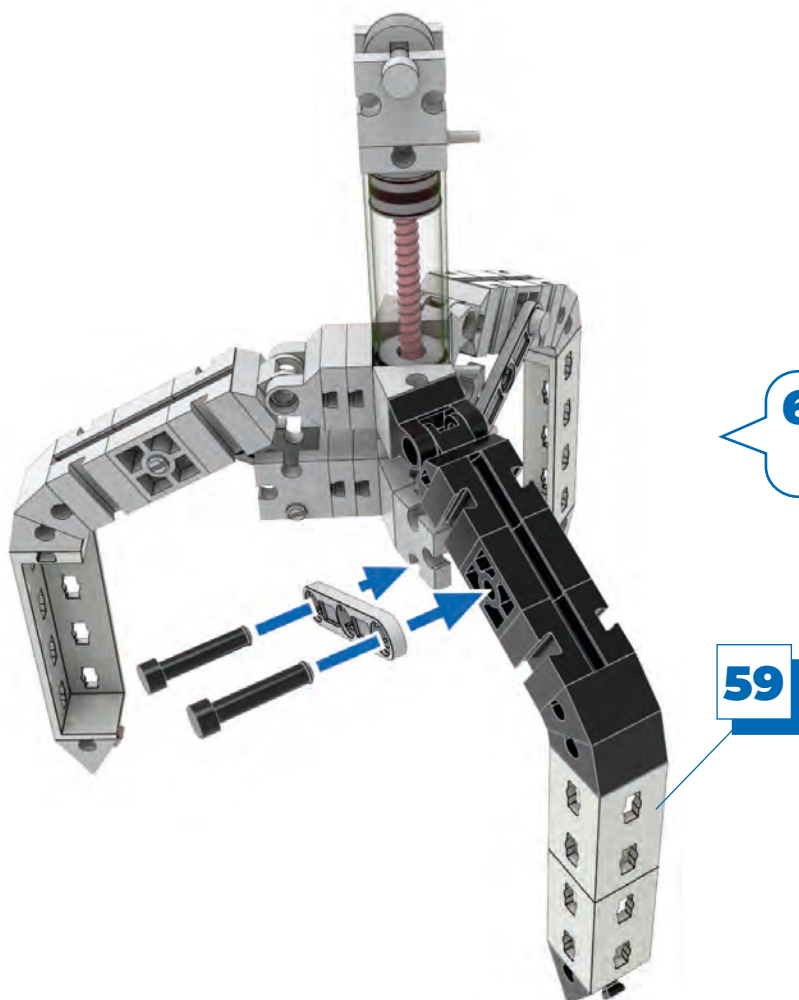


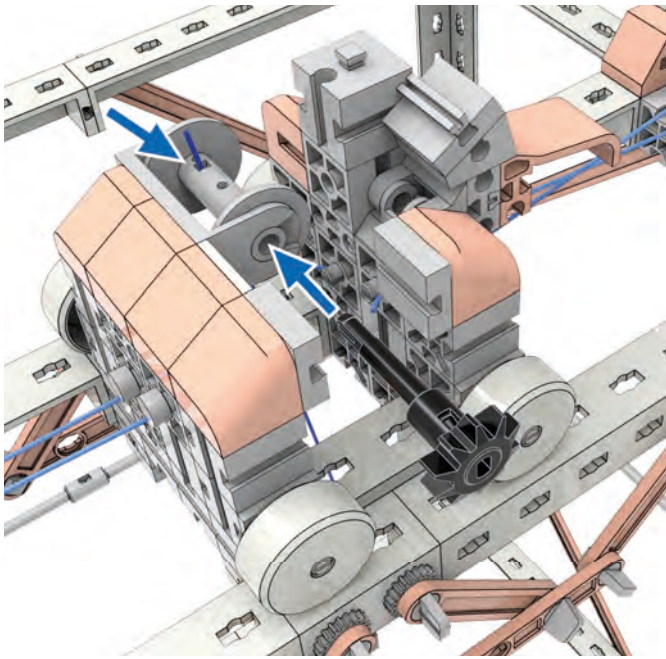


61 30 1x 2x



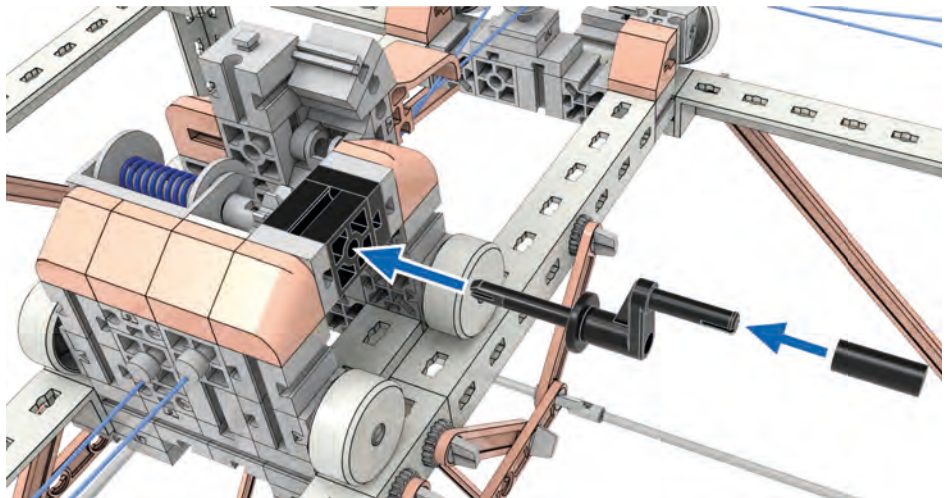
62 30 1x 2x





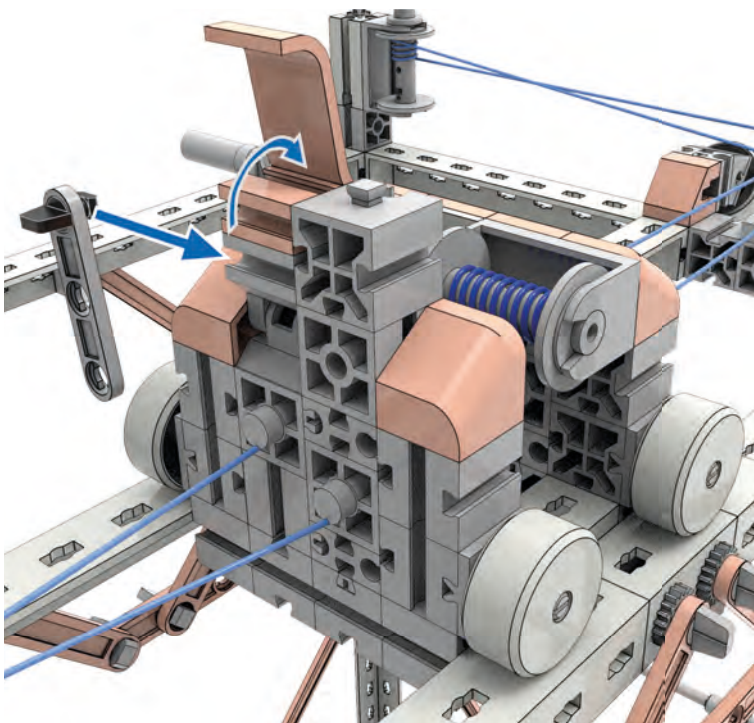
30 mm

63 1x 75 cm 1x 30 1x 1x



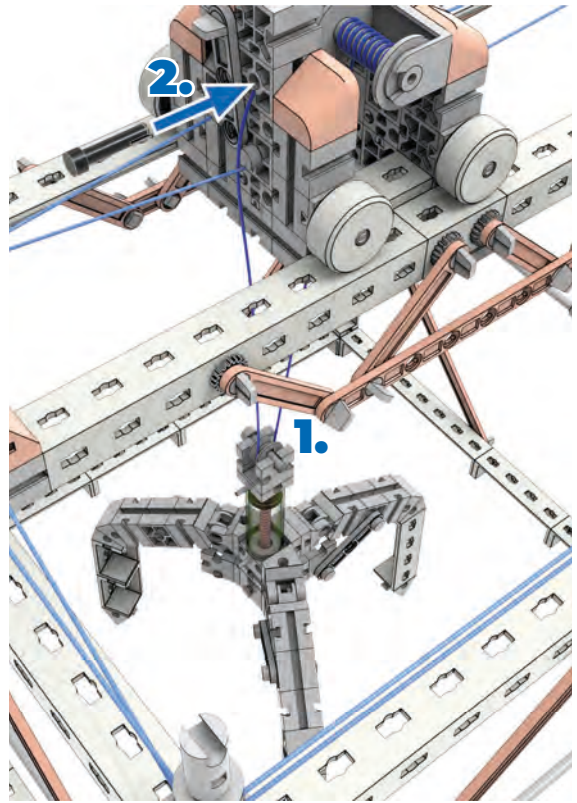
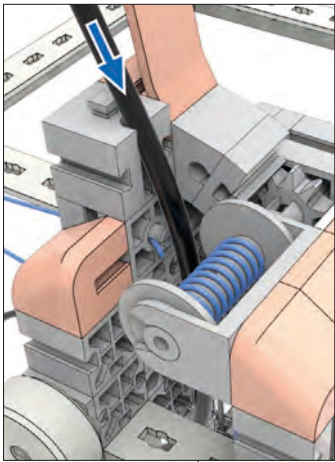
30 mm

64 1x 1x 30 1x 1x 1x

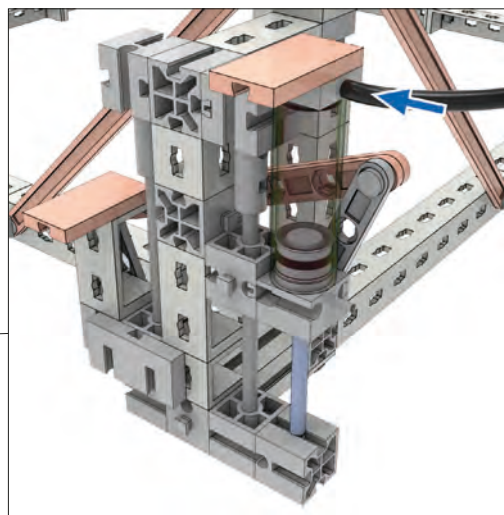
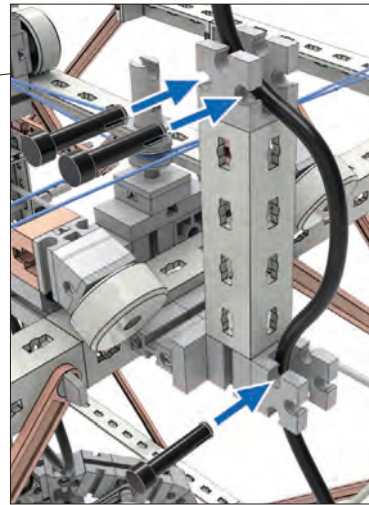
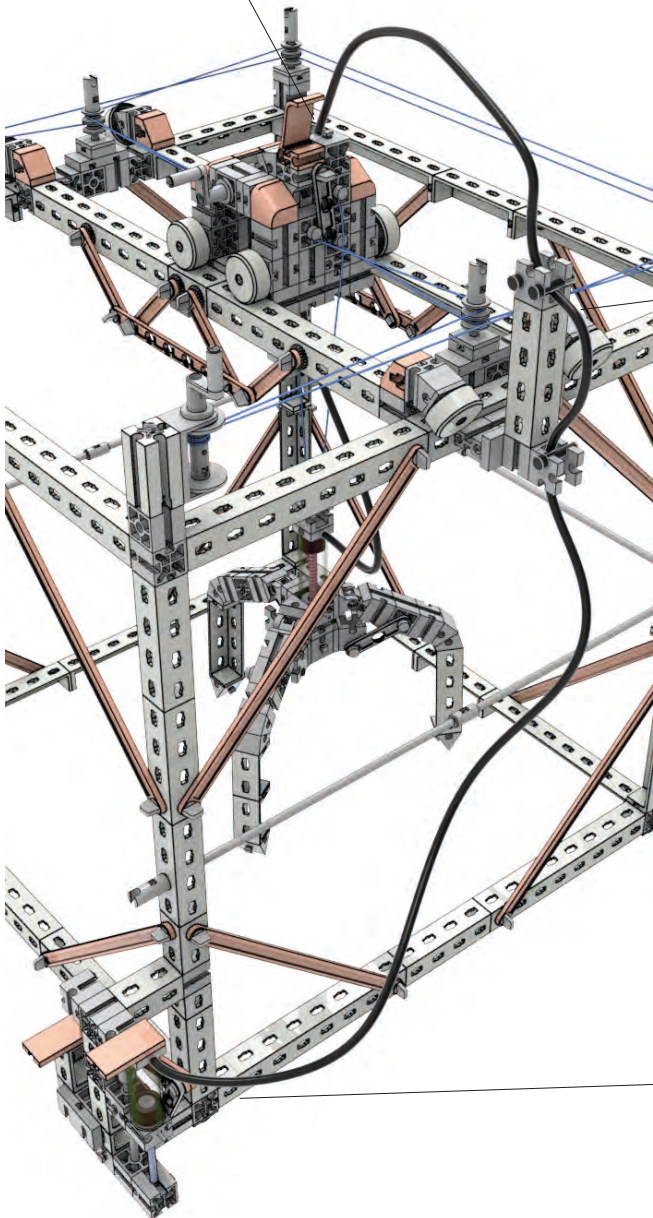


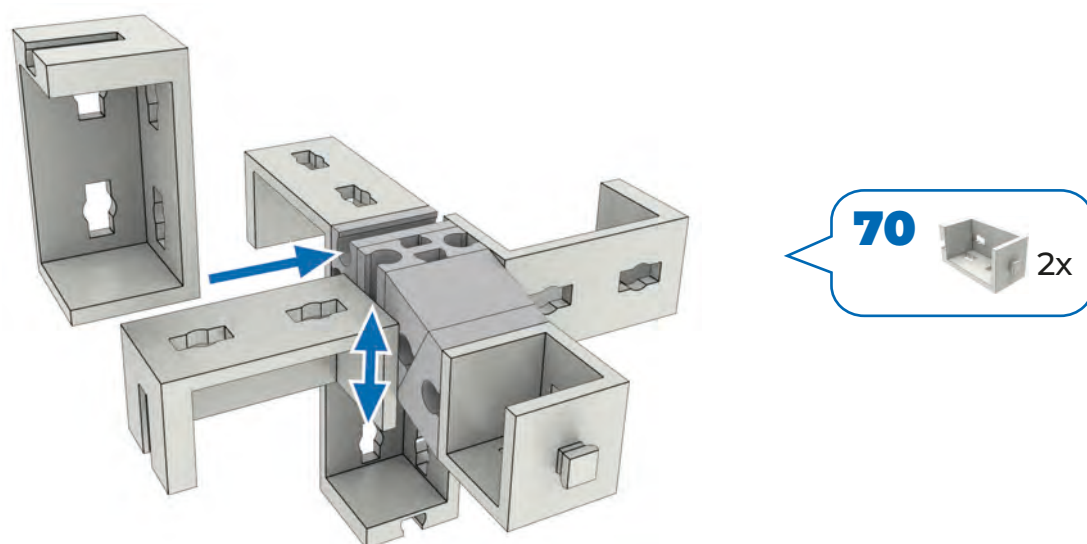
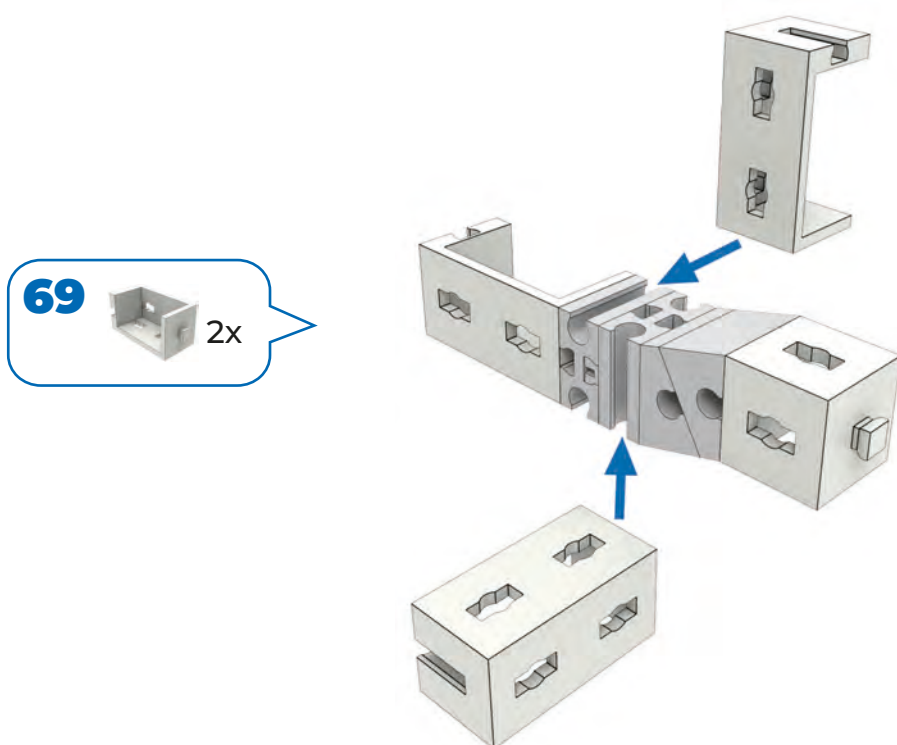
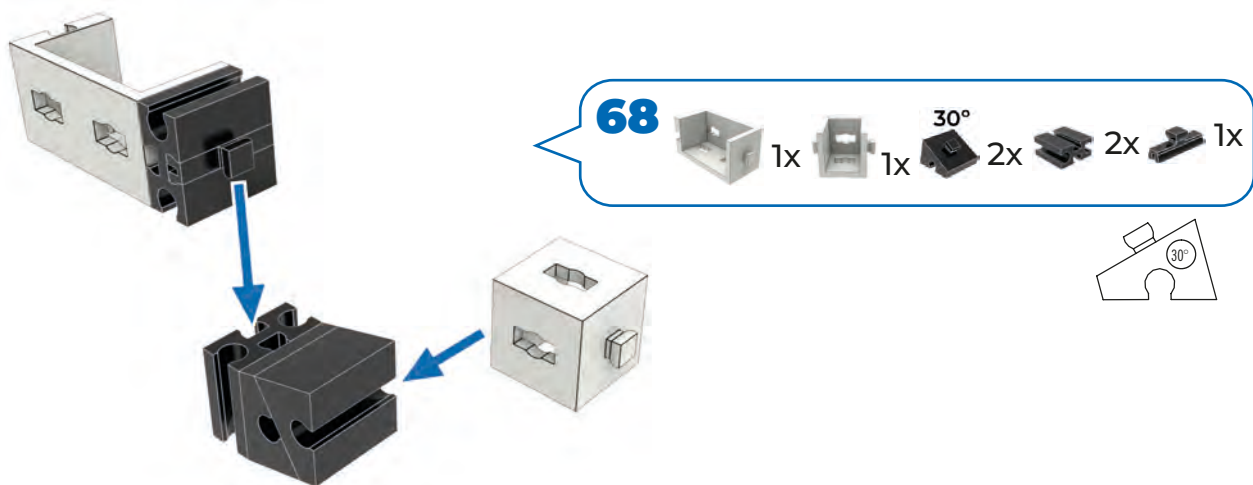
65 30 1x 4 1x

66 1x



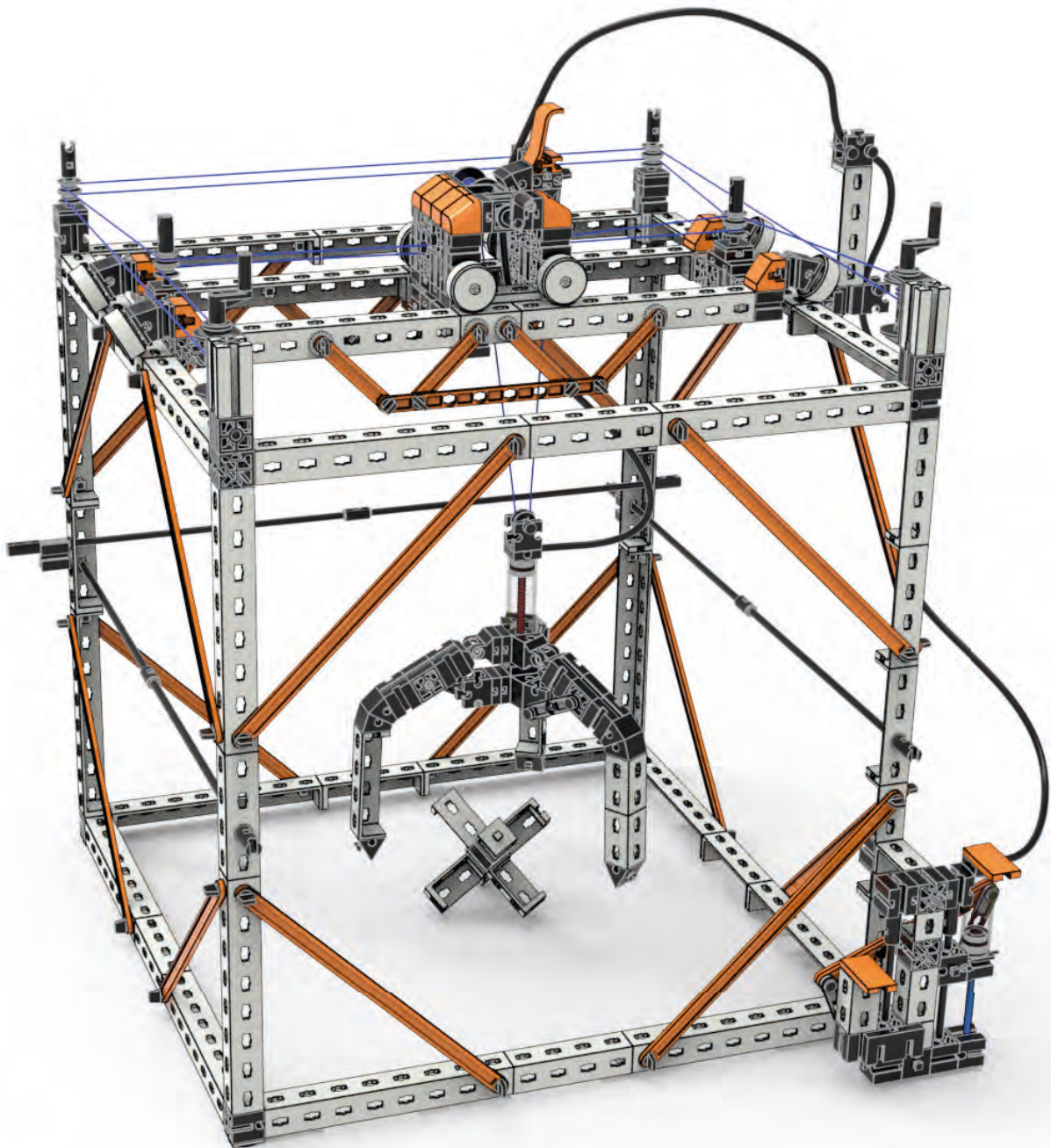
67 1x 3x

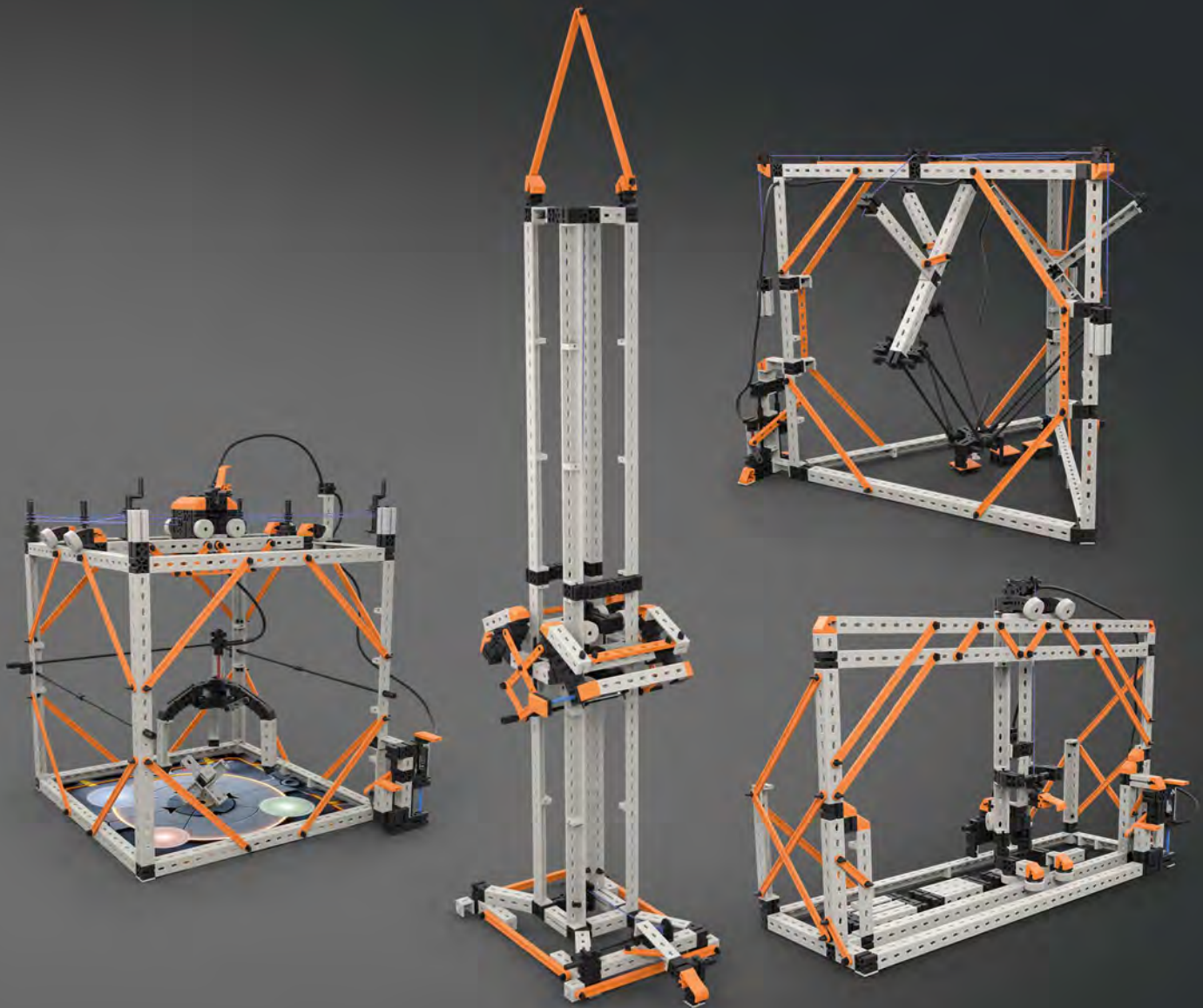






Tutorials &
Game instructions





Universal Ultimate

fischertechnik GmbH

Klaus-Fischer-Str. 1
72178 Waldachtal
Germany

Phone: +49 74 43/12-43 69

Fax: +49 74 43/12-45 91

info@fischertechnik.de
www.fischertechnik.de

www.fischertechnik.de