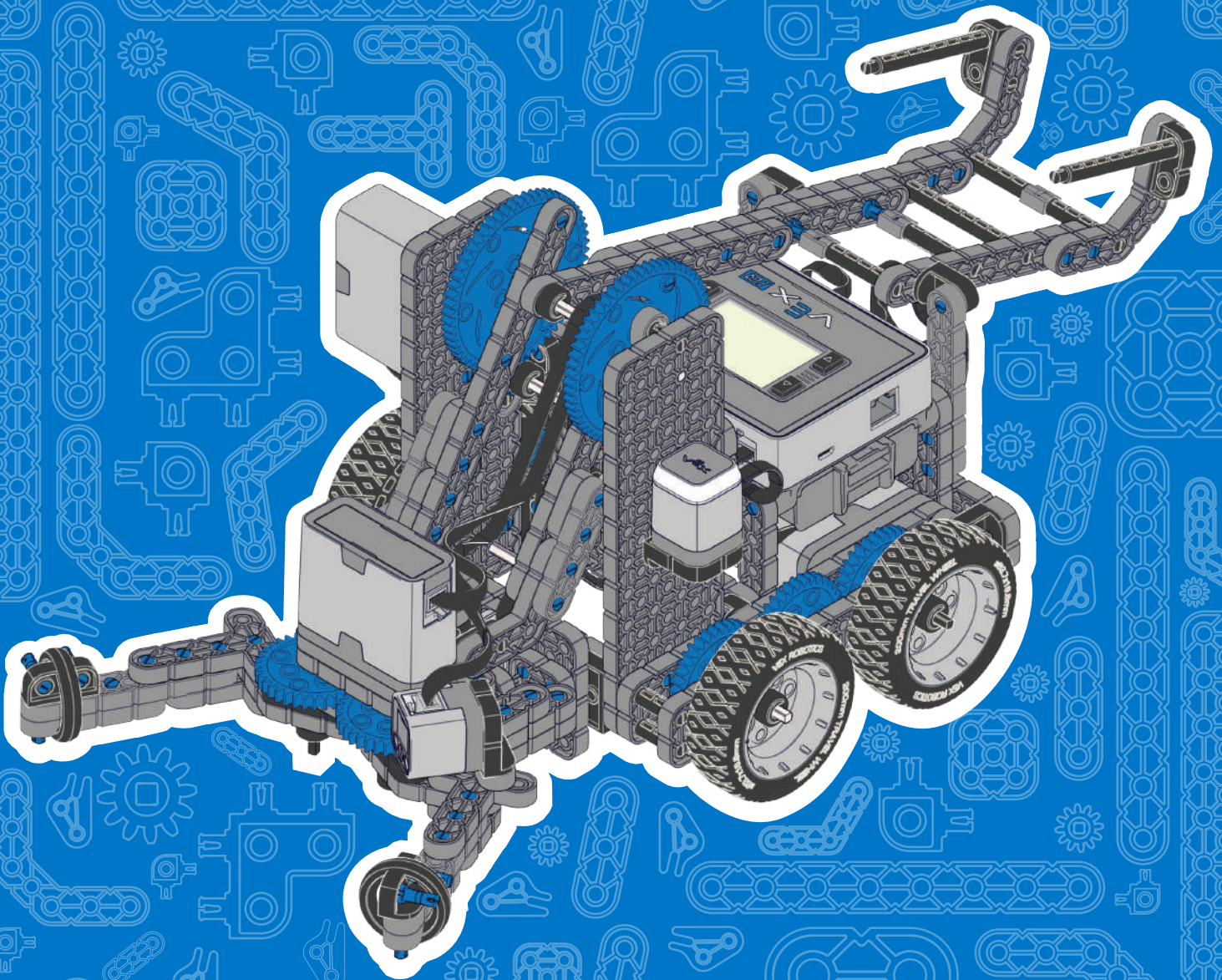




Build Instructions Instructions de Construction



Includes plans for
all four robots

Inclus les plans
pour les quatre
robots

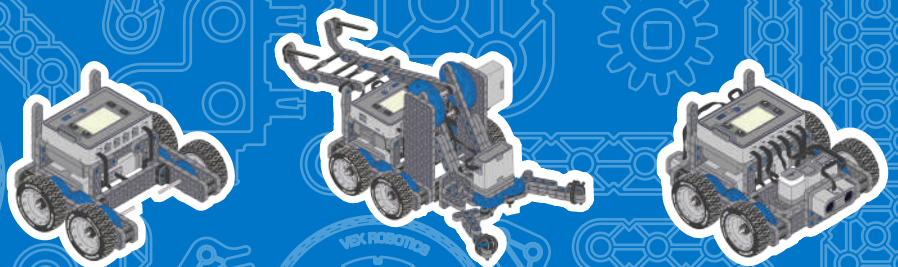
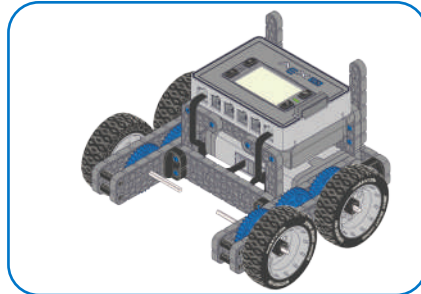


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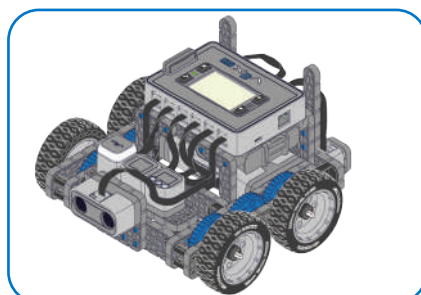
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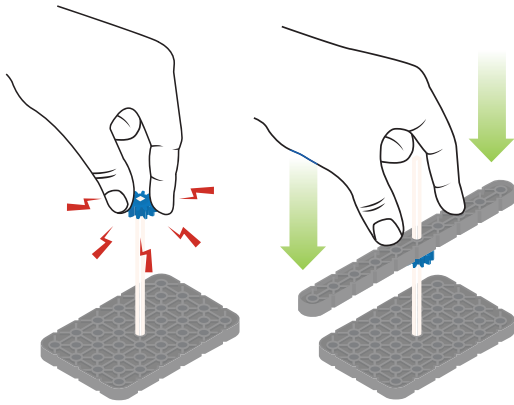
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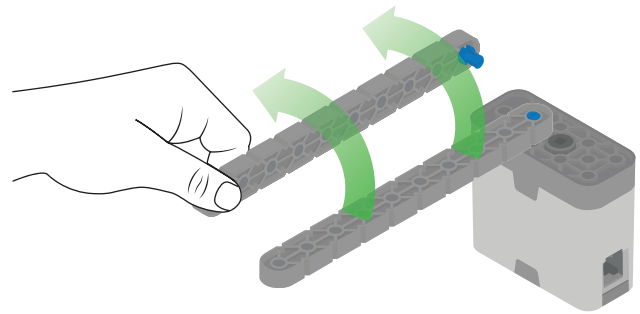


Build Steps **102-117**
Étapes de Construction

VEX IQ Assembly Tips: Conseils d'Assemblage VEX IQ: i

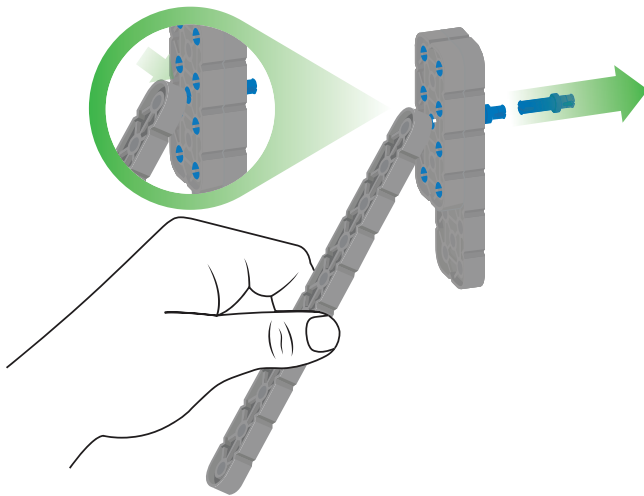


Use a 1x Beam for extra leverage when mounting small VEX IQ elements on shafts.
Utilisez une poutre pour aider à installer un petit élément VEX IQ sur un axe.

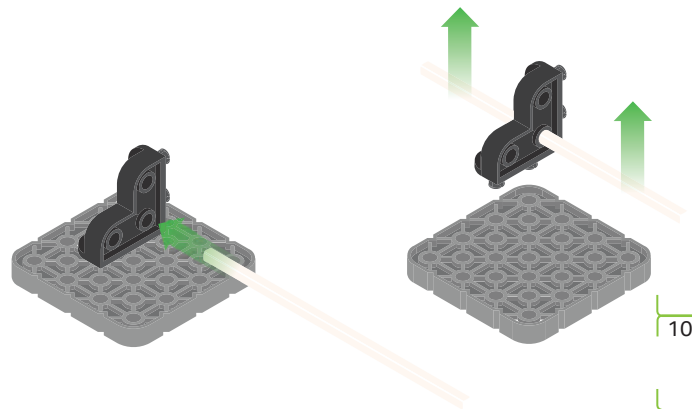


Connector Pins can be smoothly removed from Smart Motors, Sensors, or Robot Brains using a 1x Beam. Put the 1x Beam onto the pin and twist the Beam while pulling outward.

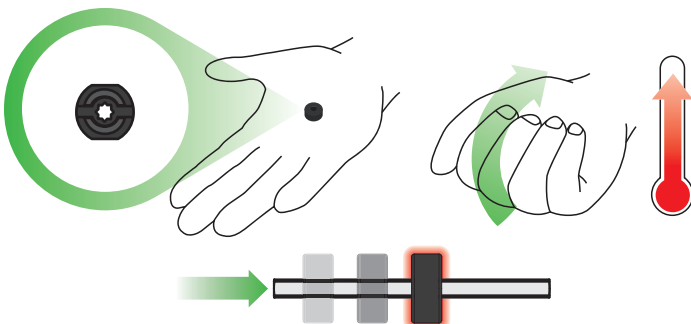
Les connecteurs peuvent être facilement retirés des moteurs Smart, Capteurs, ou Cerveau du robot en utilisant une poutre. Placer la poutre sur le connecteur et tourner la poutre en tirant vers l'extérieur.



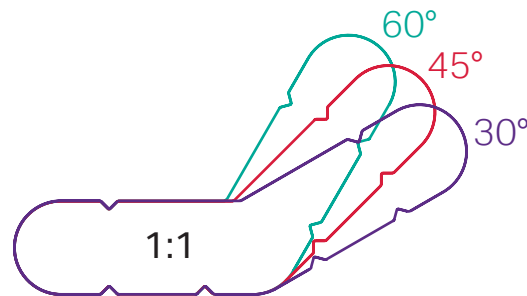
Quickly remove Connector Pins by pressing a VEX IQ Beam against the back of the Pin and pulling it out.
Poussez doucement le connecteur avec une poutre VEX IQ à l'arrière du connecteur pour le libérer.



Easily remove Corner Connectors by placing a metal shaft through one of the holes and pulling outward.
Retirez facilement un connecteur d'angle en plaçant un axe dans un des trous et en tirant vers l'extérieur.

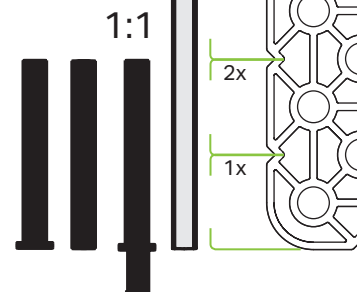


Rubber Shaft Collars become softer and easier to install if they are warmed by holding them in your hand for 15-30 seconds.
Les butées en caoutchouc deviennent plus souple et plus facile à installer si elles sont réchauffées en les tenant dans votre main pendant 15-30 secondes.



The best way to measure an Angle Beam is to compare it against known angles (such as above). To measure Shaft length, set it alongside a VEX IQ Beam and count the notches.

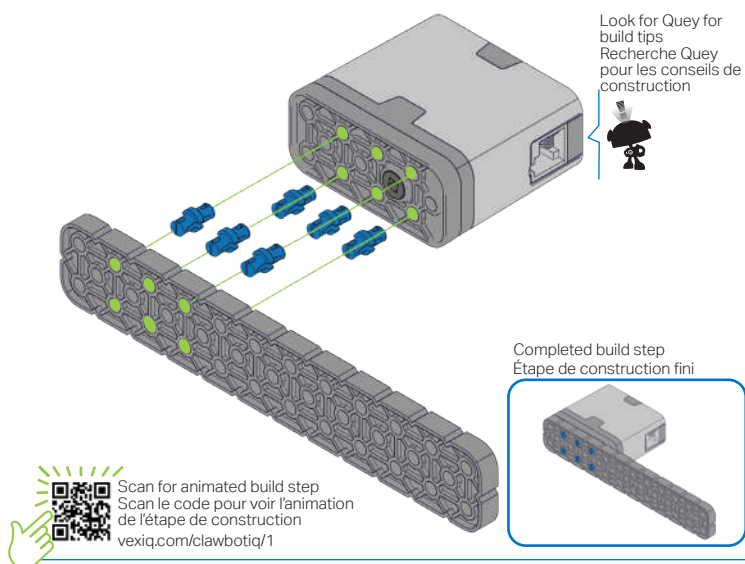
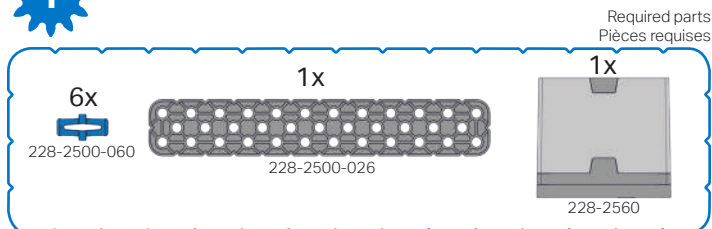
La meilleure façon de mesurer un angle de faisceau est de comparer contre angles connus (comme ci-dessus). Pour mesurer la longueur de l'arbre, elle a mis à côté d'un VEXIQ Poutre et compter les encoches.



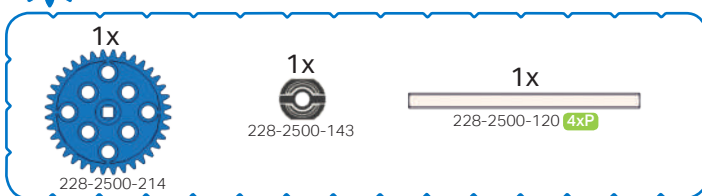
Standard Drive Base

1 Base de Conduite Standard

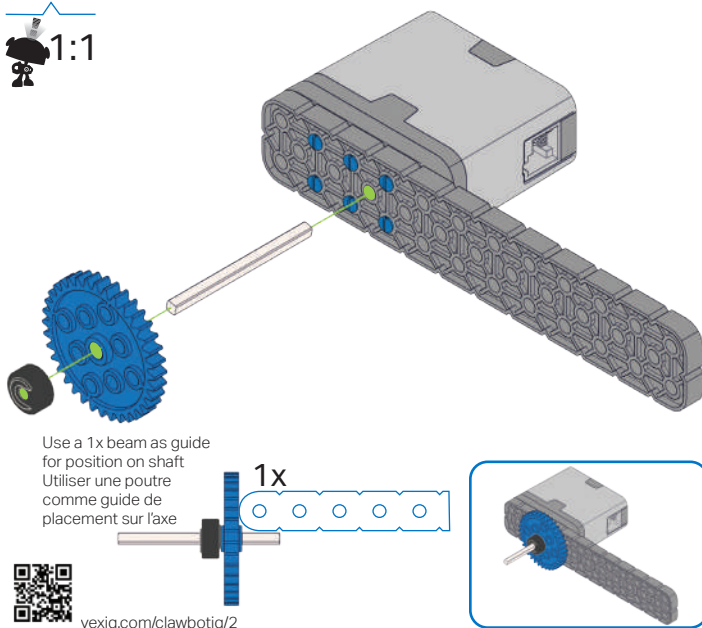
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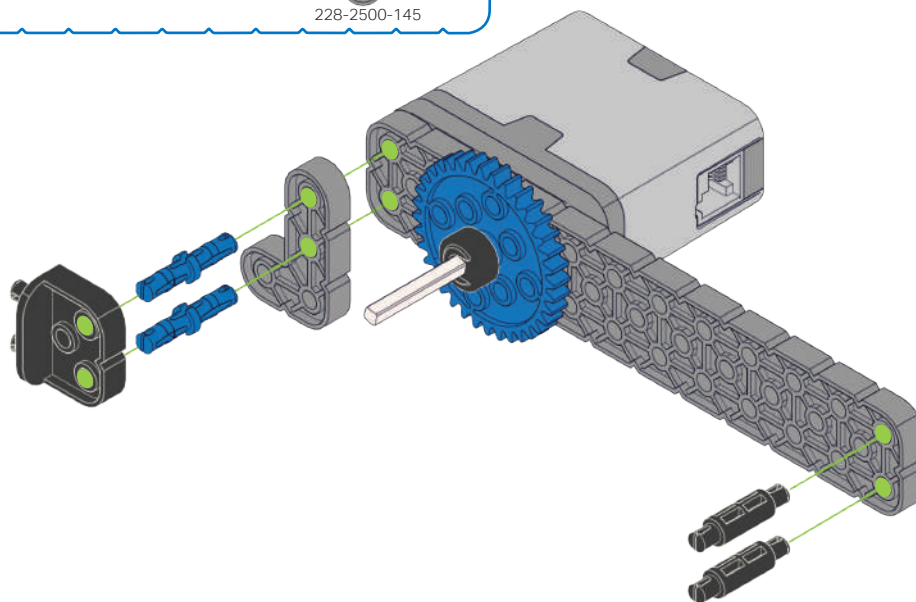
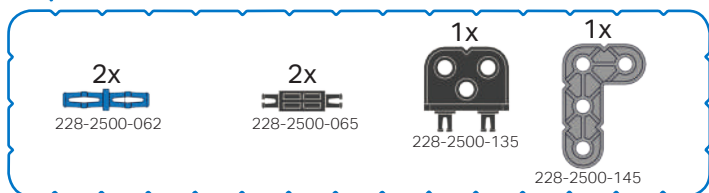
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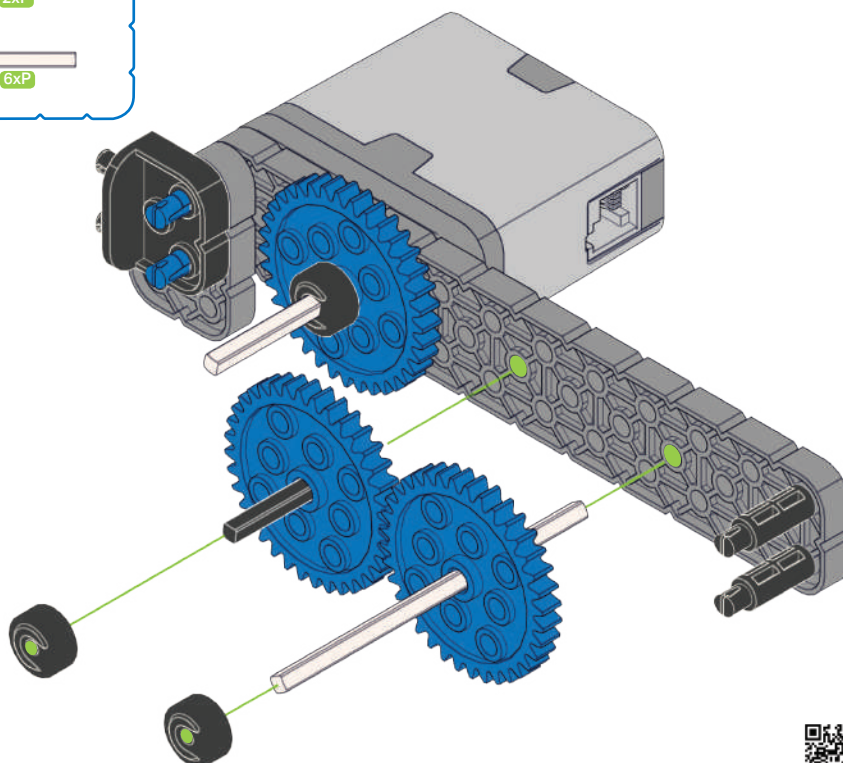
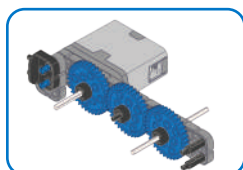
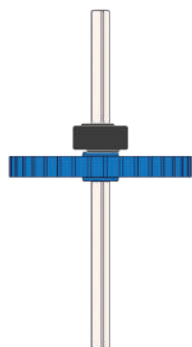
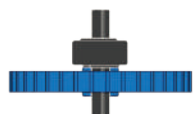
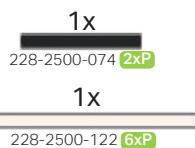


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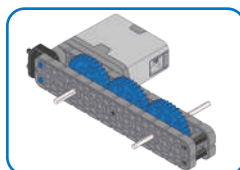
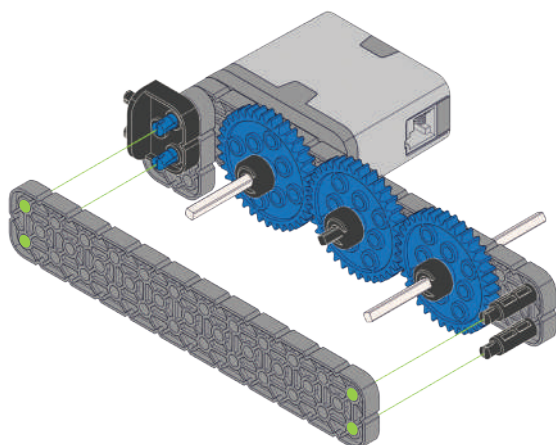
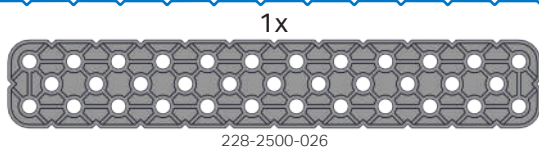


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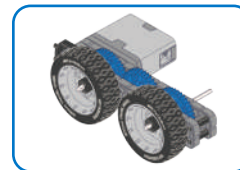
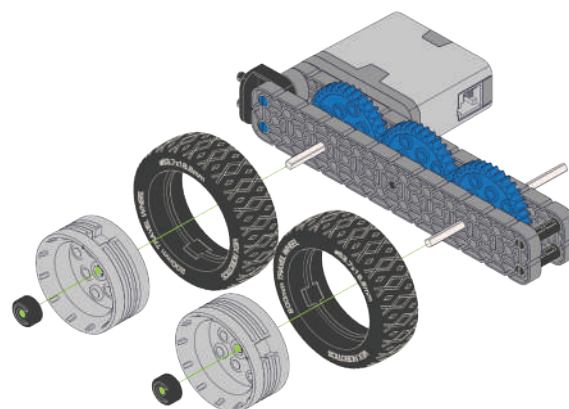
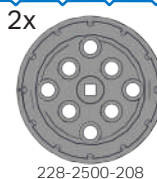
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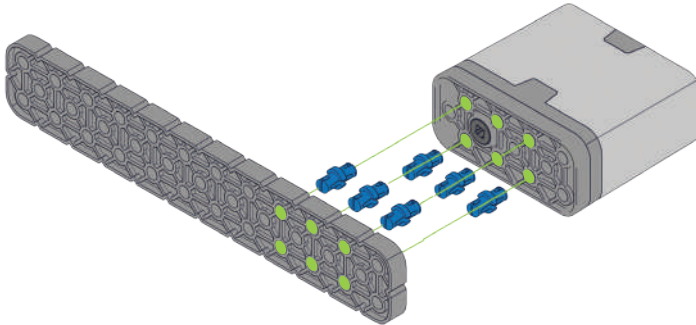
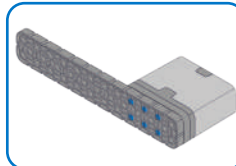

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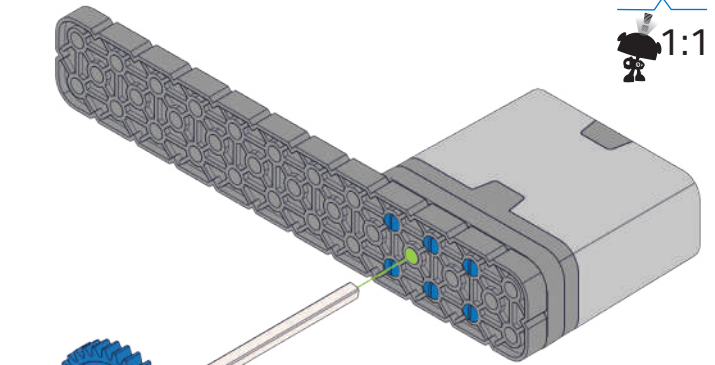
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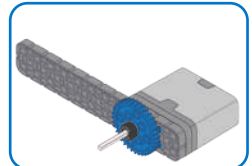
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228-2500-0261x
228-2560
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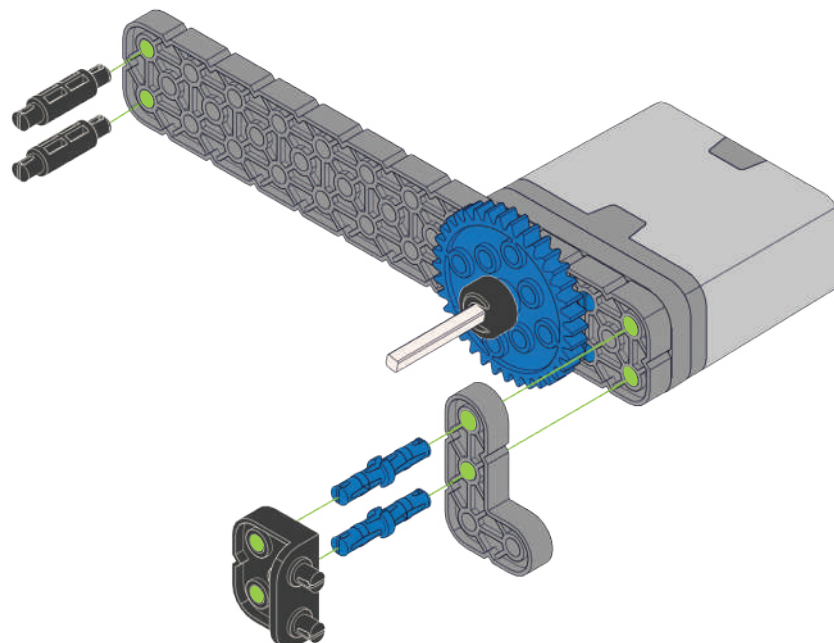
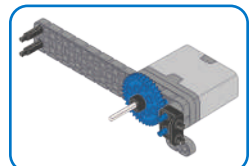
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228-2500-1431x
228-2500-120 4xP

1:1


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1x
228-2500-120 4xP

9

2x
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228-2500-0651x
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vexiq.com/clawbotiq/9


10

2x



228-2500-214

2x



228-2500-143

1x

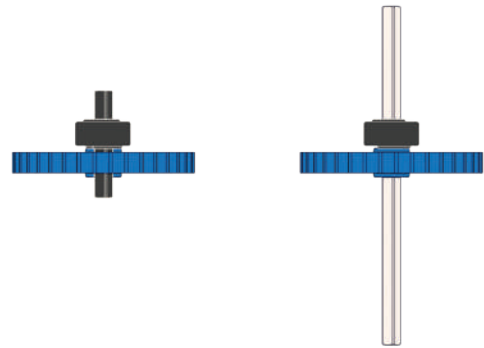


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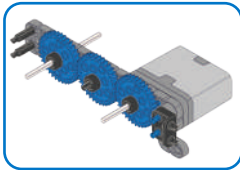
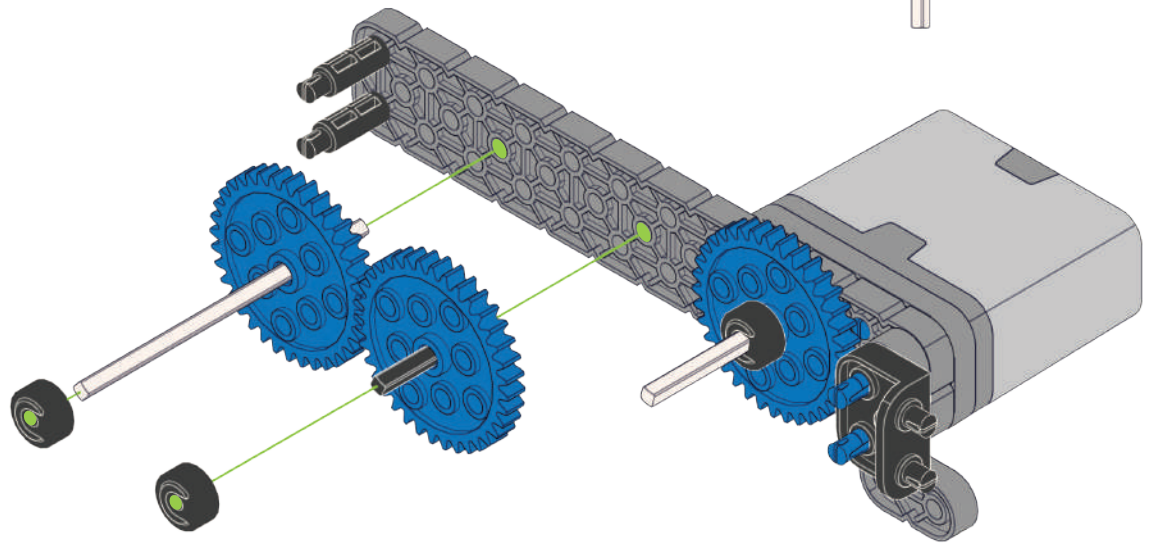
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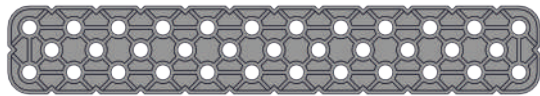
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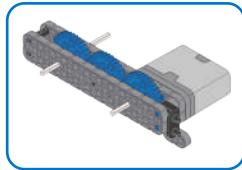
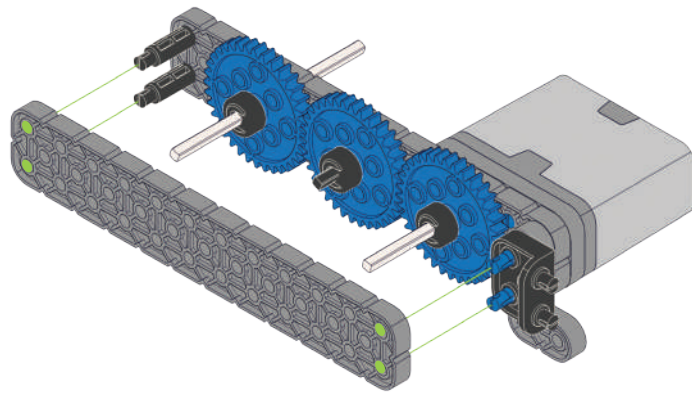
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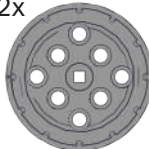
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2x

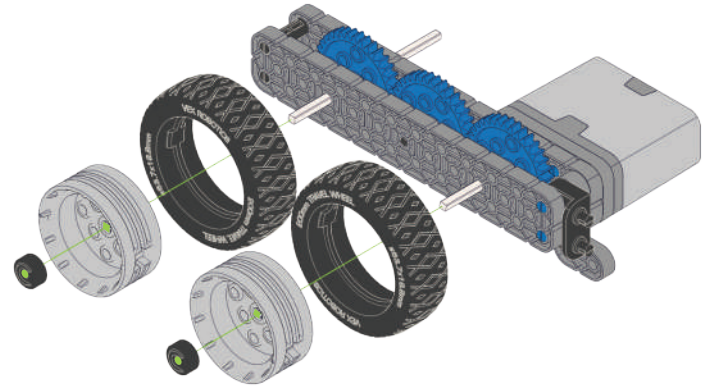


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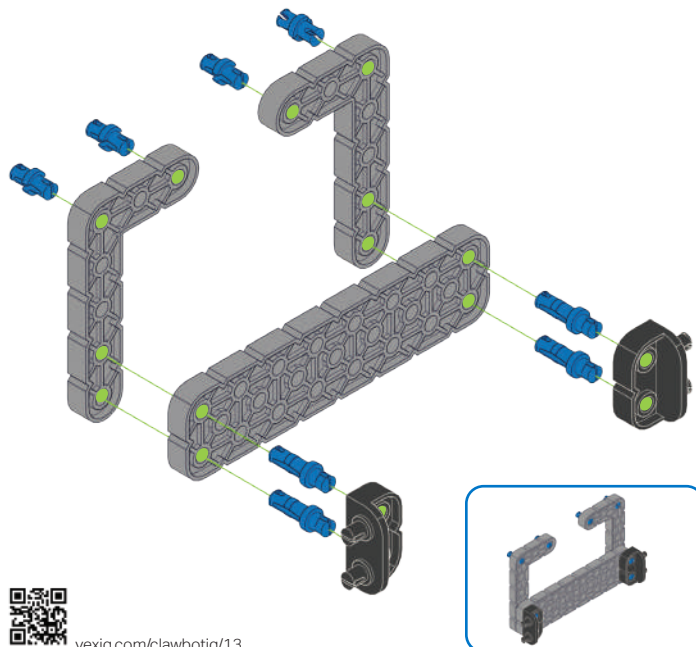
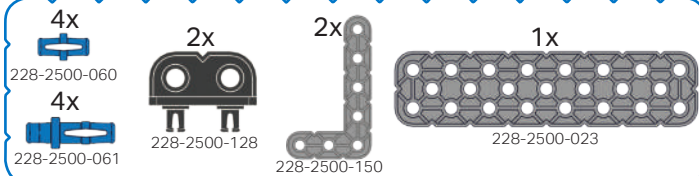


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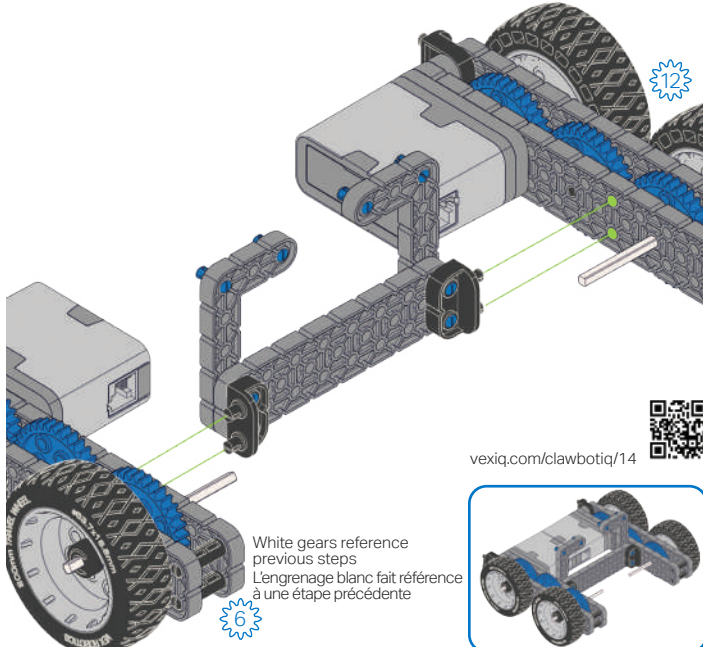
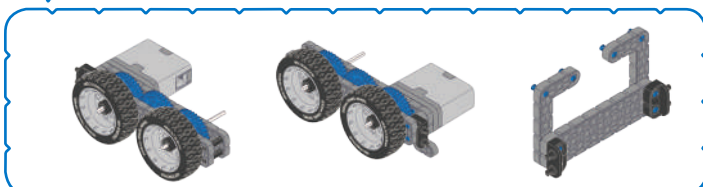


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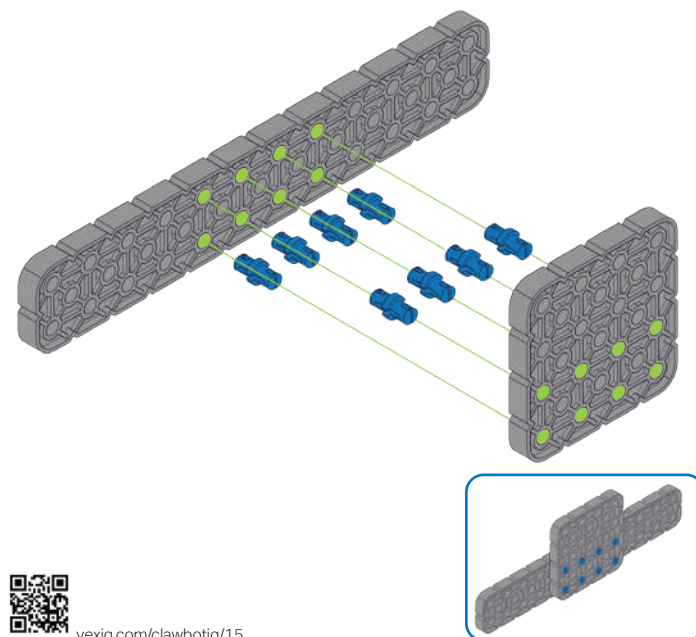
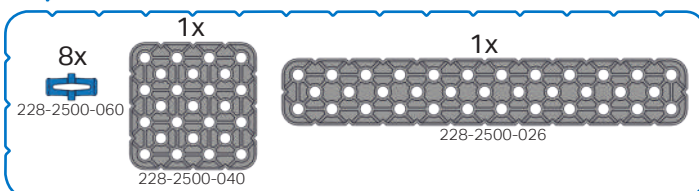
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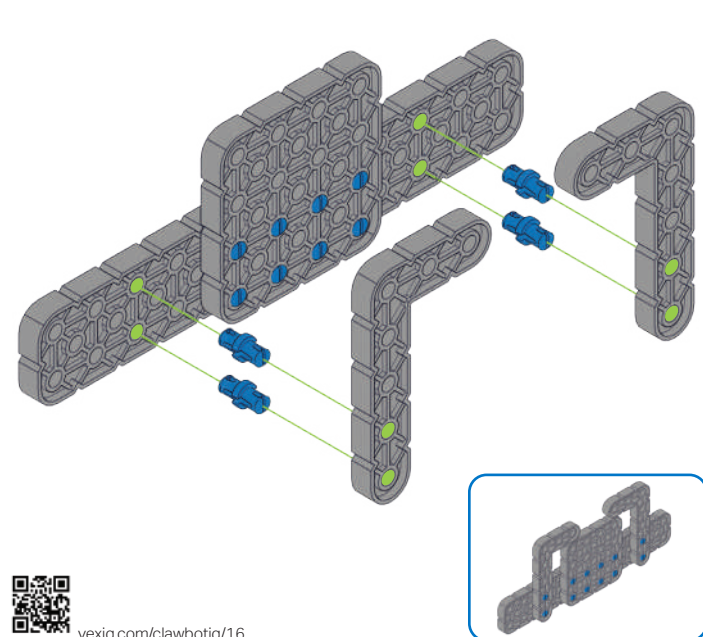
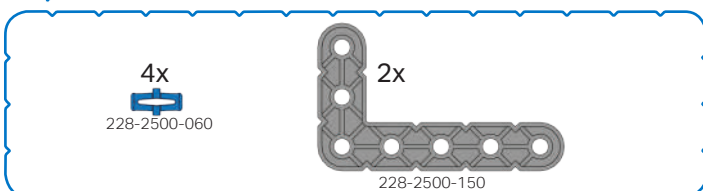
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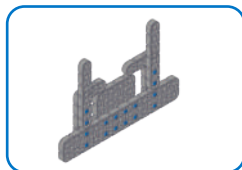
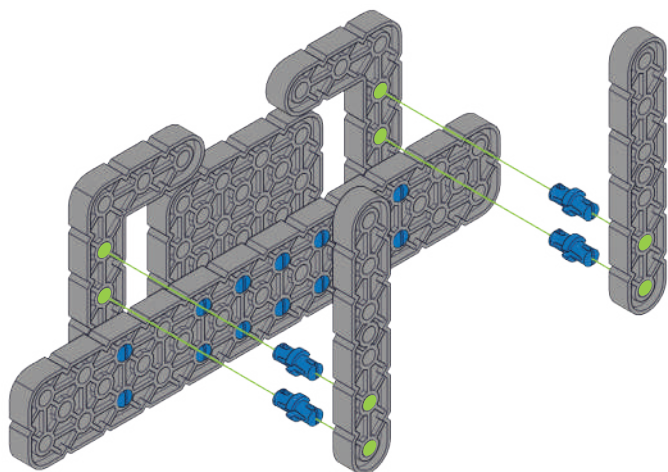
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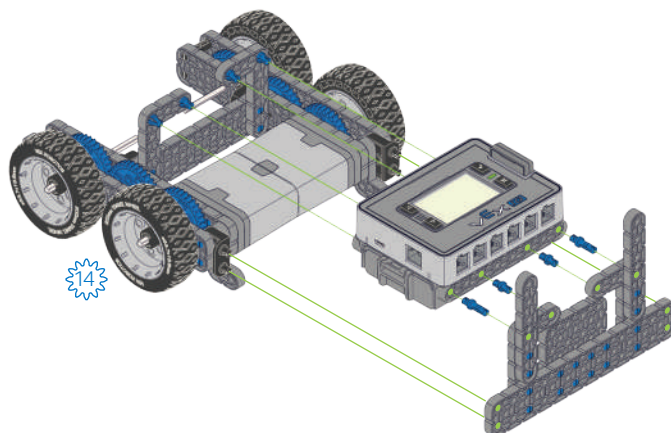


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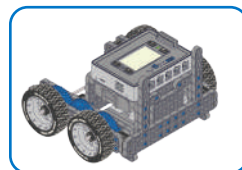
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228-2500-005

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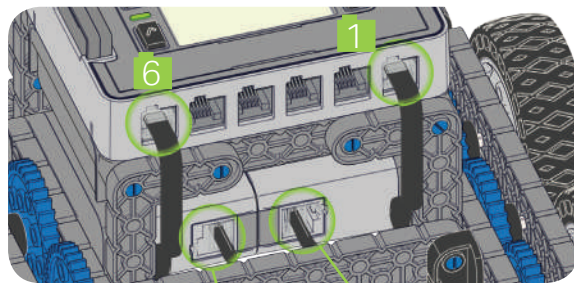
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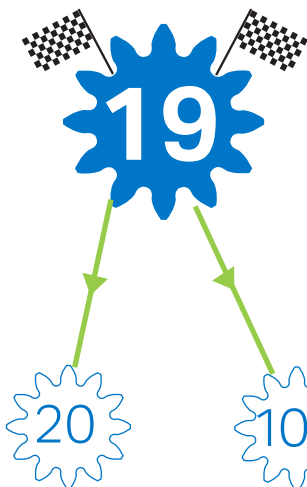
19

2x
228-2780-001 (200mm)

6

1

Connect Smart Device to
indicated Robot Brain port
Connecter les appareils
Smart aux ports indiqués
du cerveau du robot



20

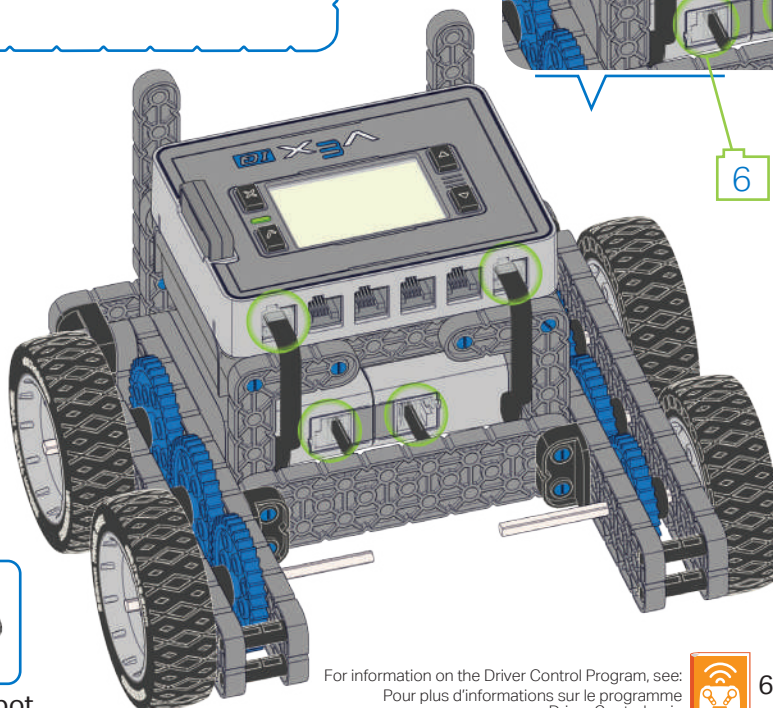
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Clawbot IQ



Autopilot Robot



For information on the Driver Control Program, see:
Pour plus d'informations sur le programme
Driver Control, voir:



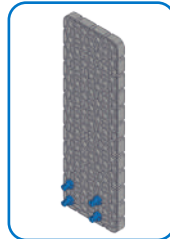
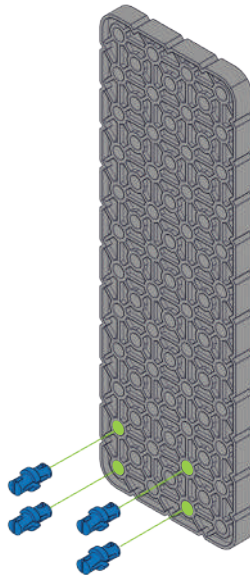
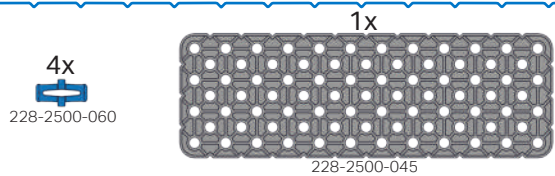
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2 Clawbot IQ

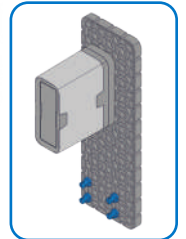
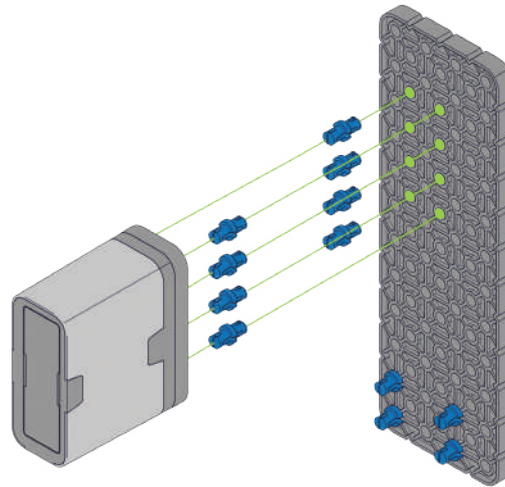
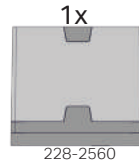
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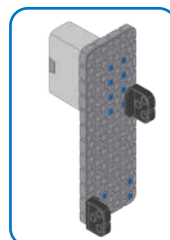
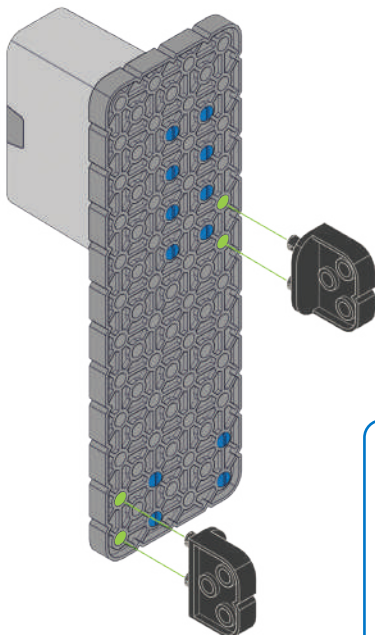
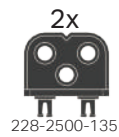
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228-2500-060



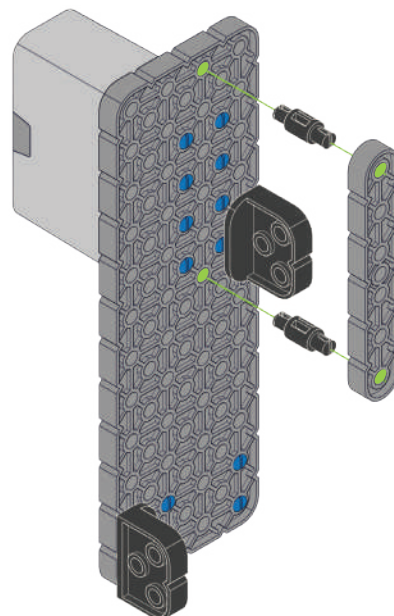
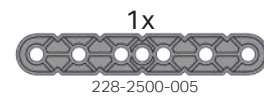
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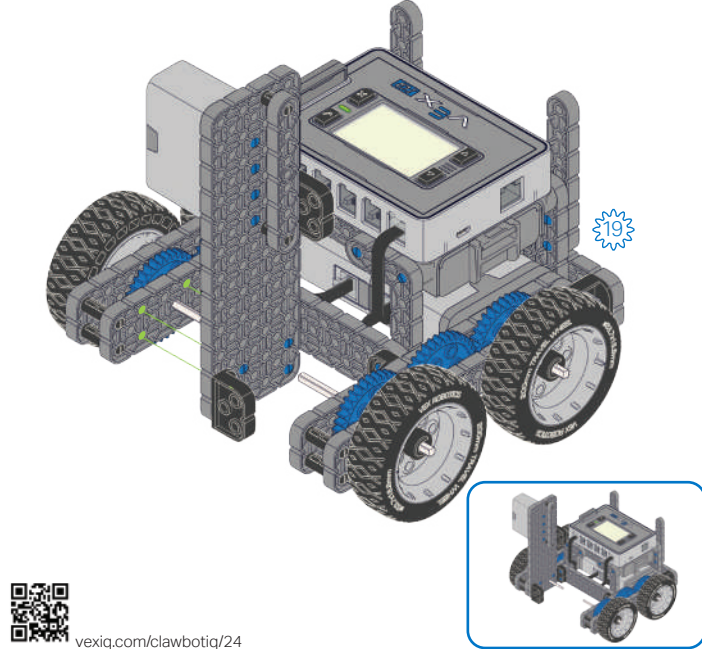
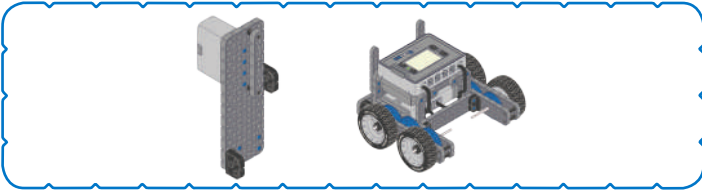
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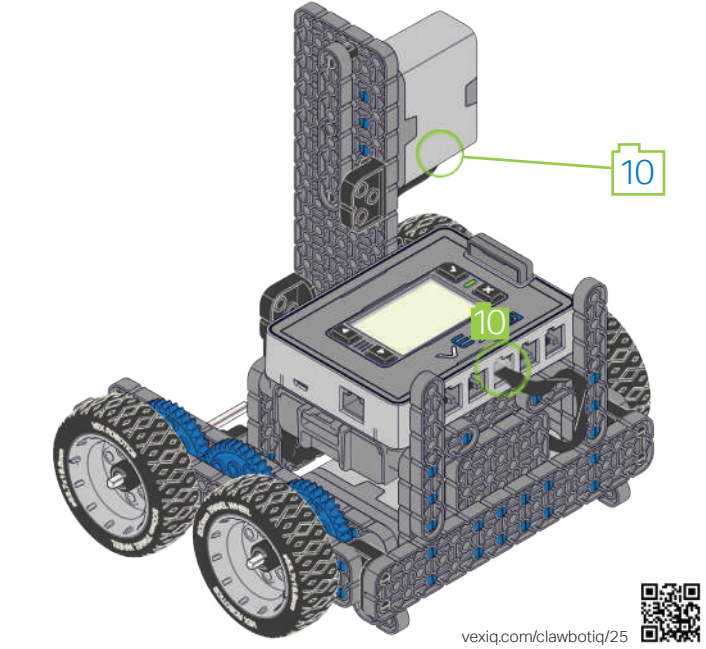
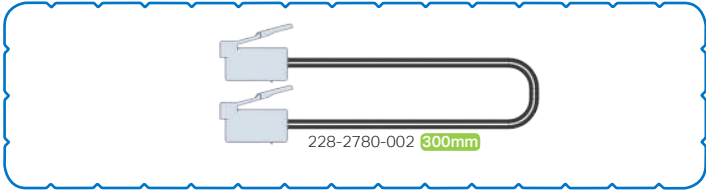
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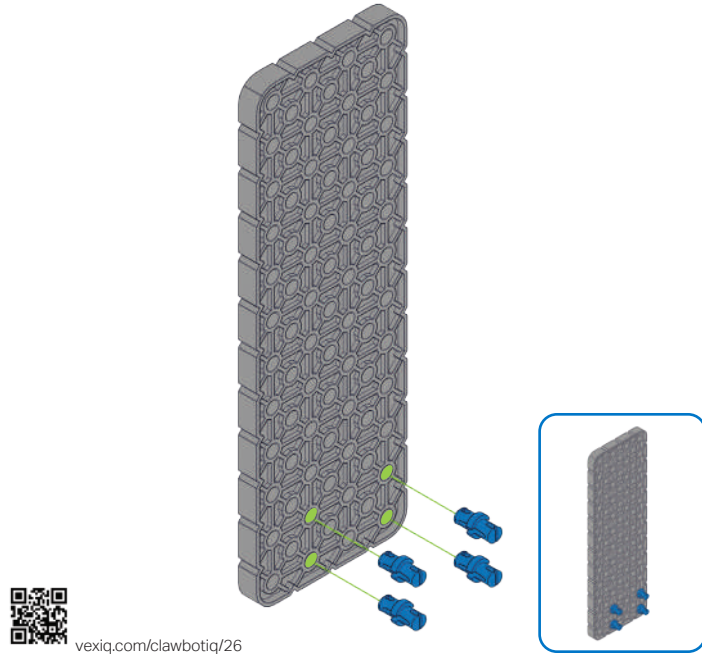
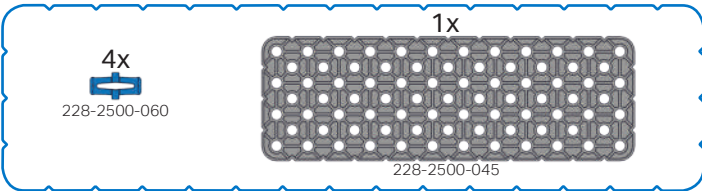
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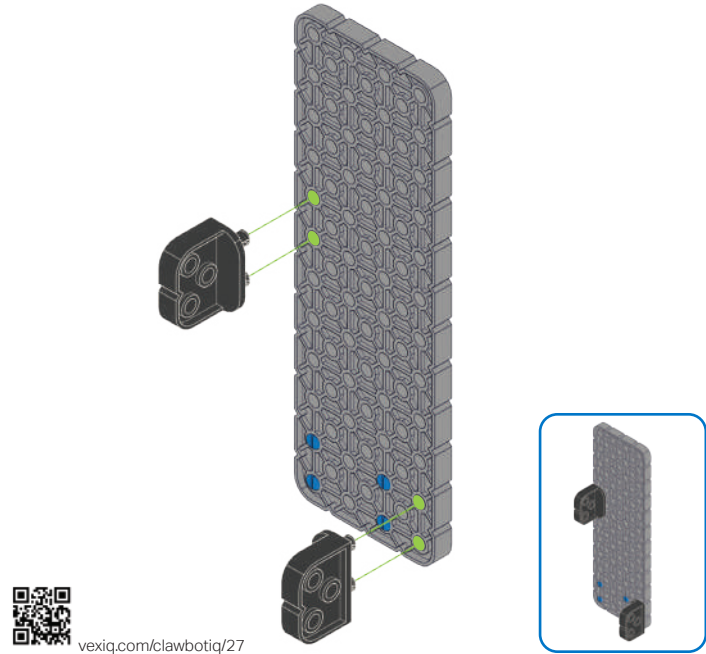
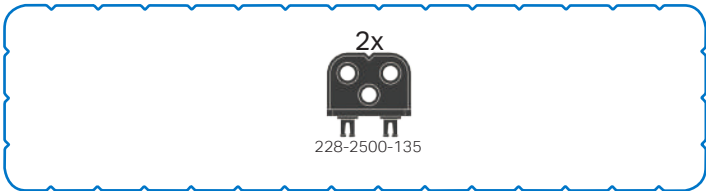
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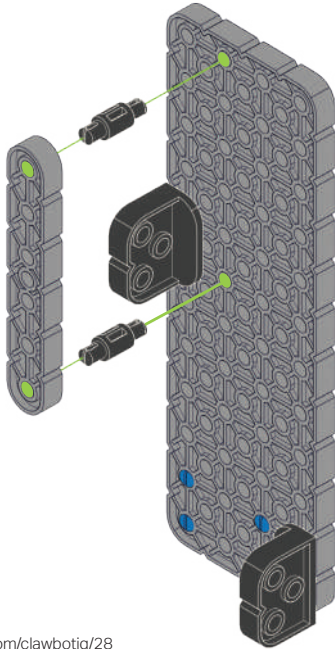


vexiq.com/clawbotiq/27

28

2x
228-2500-064

1x
228-2500-005



vexiq.com/clawbotiq/28

29

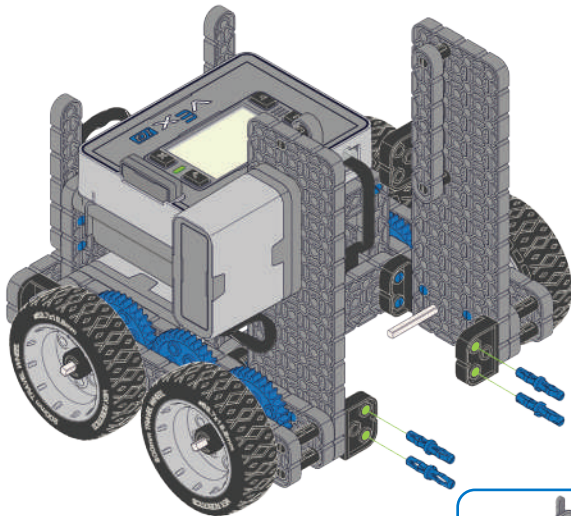


vexiq.com/clawbotiq/29

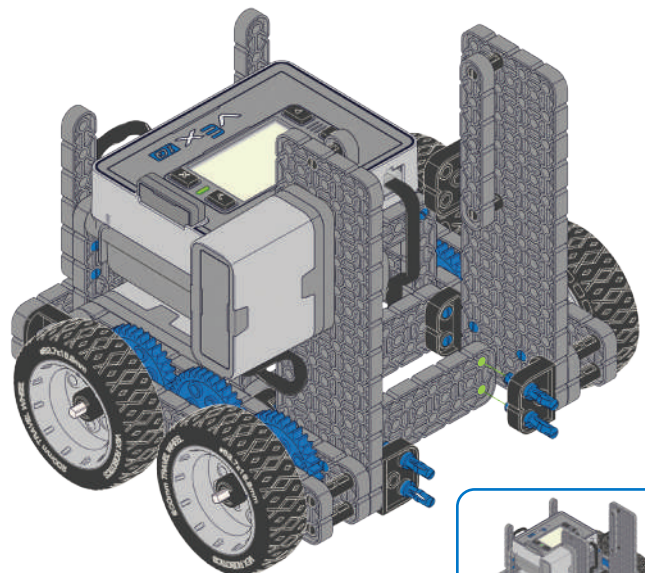
31

4x
228-2500-062

1x
228-2500-021

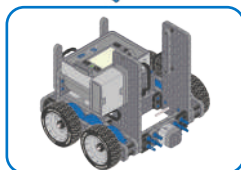
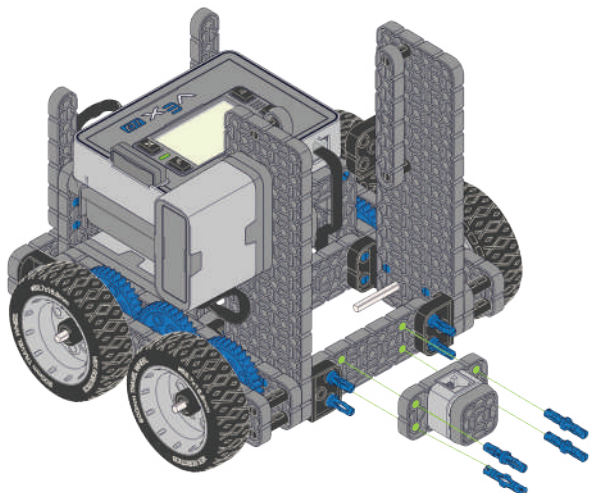


vexiq.com/clawbotiq/30

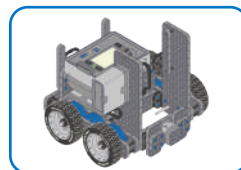
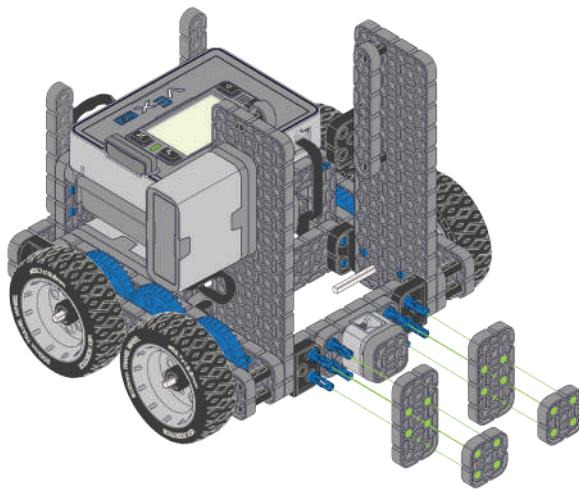


vexiq.com/clawbotiq/31

32

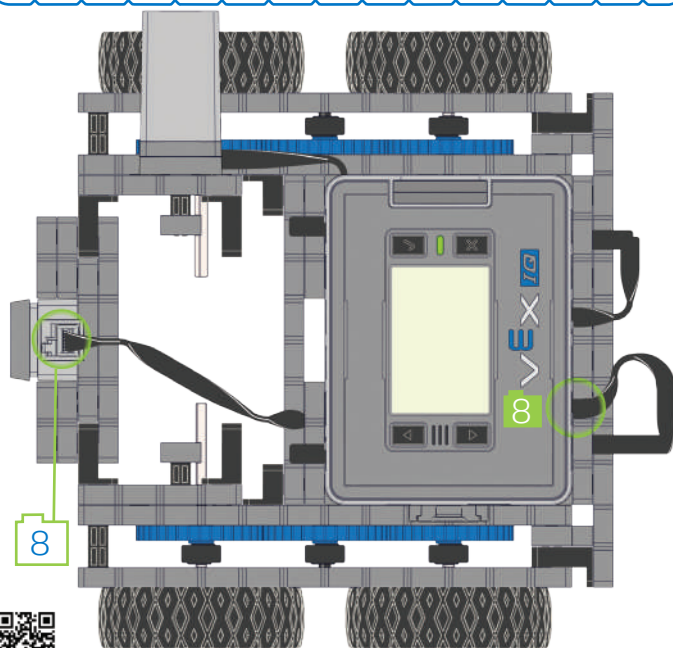
4x
228-2500-0621x
228-2677
vexiq.com/clawbotiq/32

33

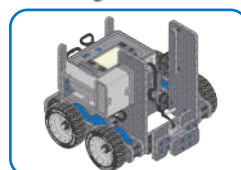
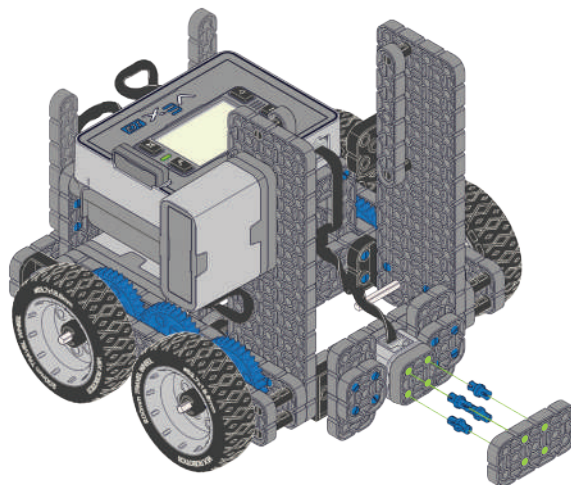
2x
228-2500-0172x
228-2500-019
vexiq.com/clawbotiq/33

34

228-2780-002 300mm


vexiq.com/clawbotiq/34

35

4x
228-2500-0601x
228-2500-019
vexiq.com/clawbotiq/35

36



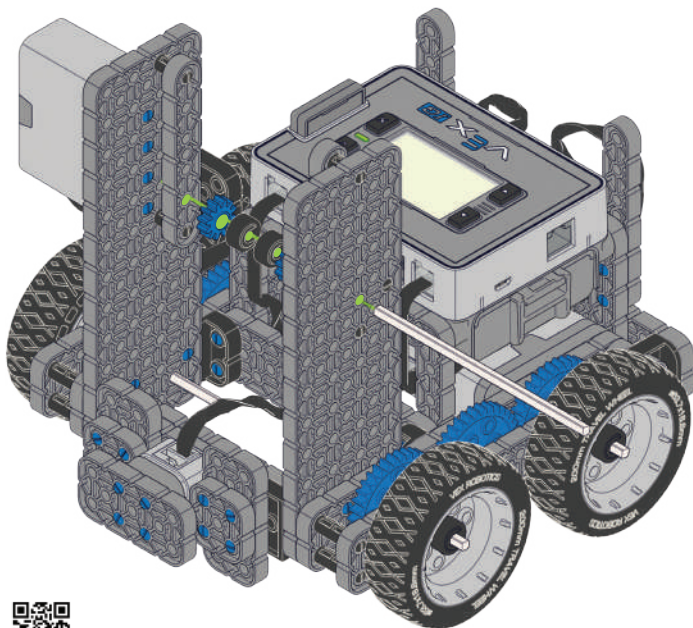
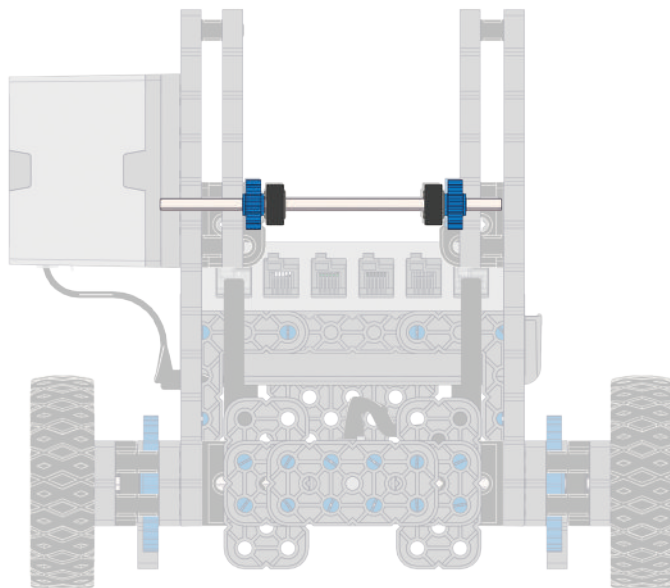
228-250-143



228-2500-213

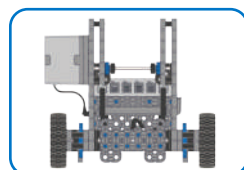
1x

228-2500-124 (8xP)



vexiq.com/clawbotiq/36

1:1

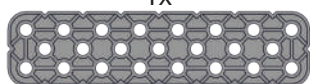


37

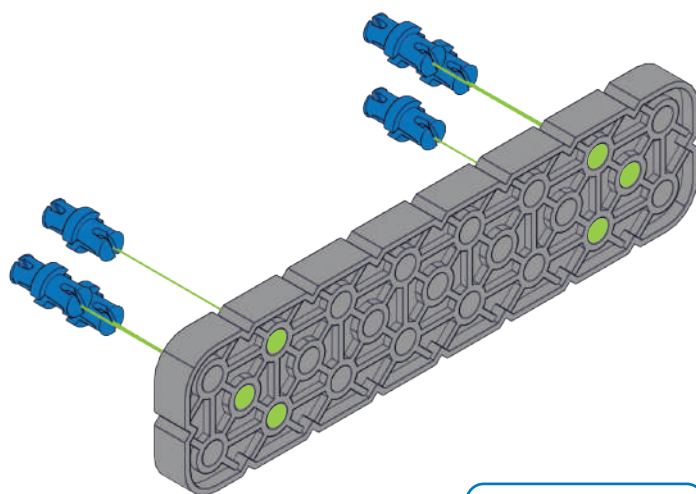


228-2500-060

1x

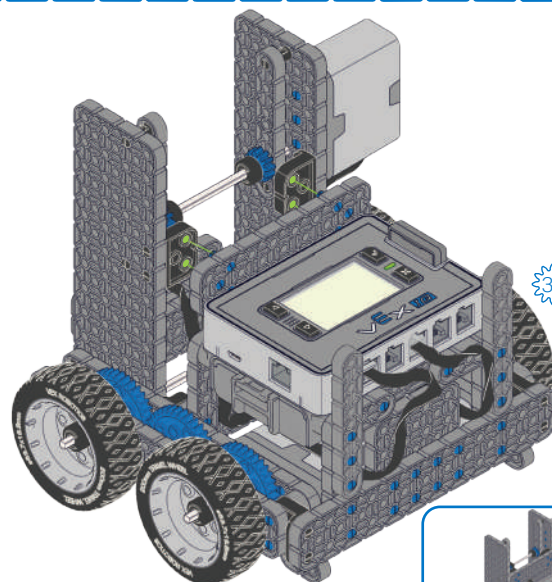
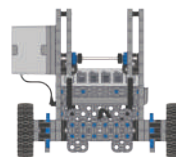
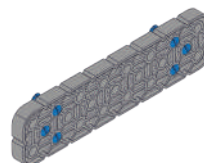


228-2500-023



vexiq.com/clawbotiq/37

38



36



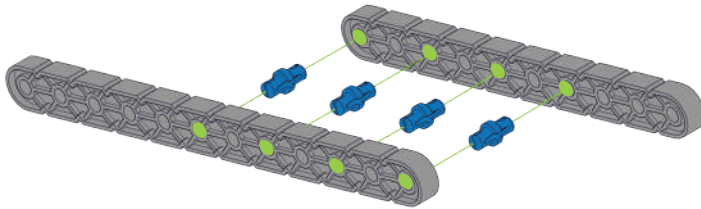
vexiq.com/clawbotiq/38



39

4x
228-2500-060

1x
228-2500-011
1x
228-2500-009



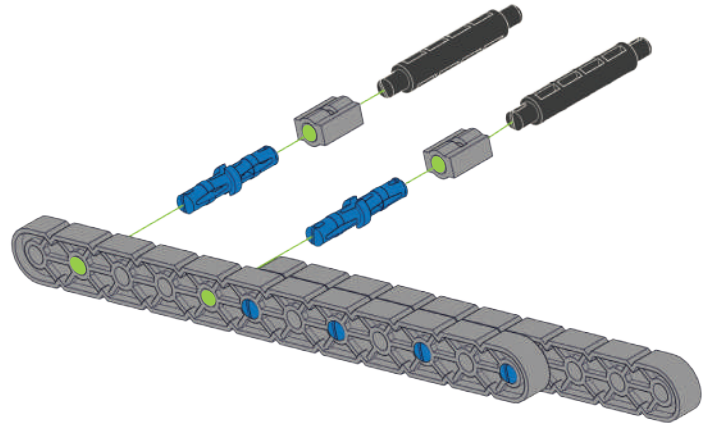
vexiq.com/clawbotiq/39

40

2x
228-2500-062

2x
228-2500-170

2x
228-2500-067

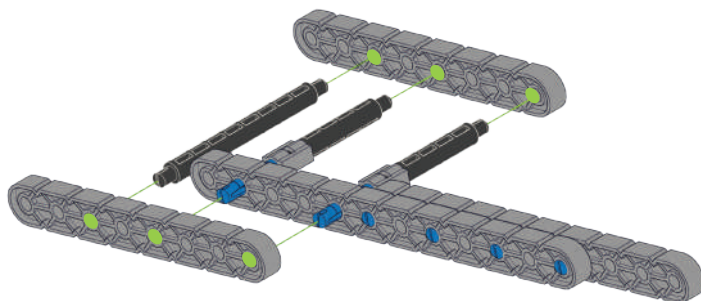


vexiq.com/clawbotiq/40

41

2x
228-2500-007

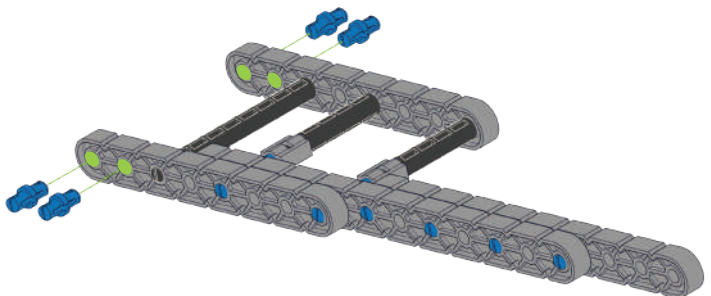
1x
228-2500-070



vexiq.com/clawbotiq/41

42

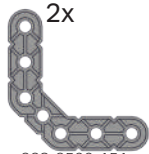
4x
228-2500-060



vexiq.com/clawbotiq/42

43

2x



228-2500-151

1x

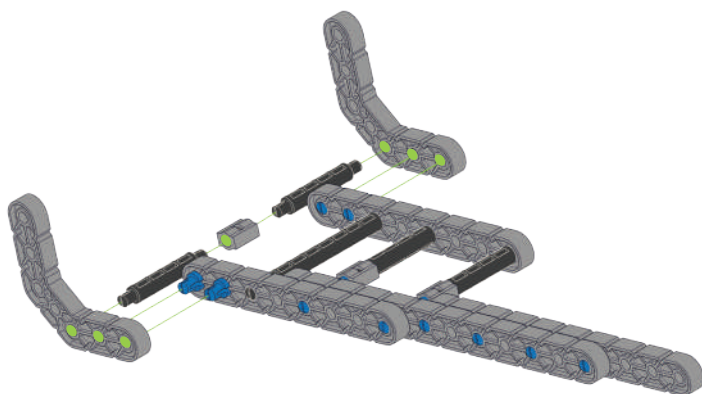


228-2500-170

2x



228-2500-067

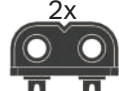


vexiq.com/clawbotiq/43



44

2x



228-2500-128



vexiq.com/clawbotiq/44



45

2x



228-2500-070



vexiq.com/clawbotiq/45



46

2x



228-2500-130



vexiq.com/clawbotiq/46



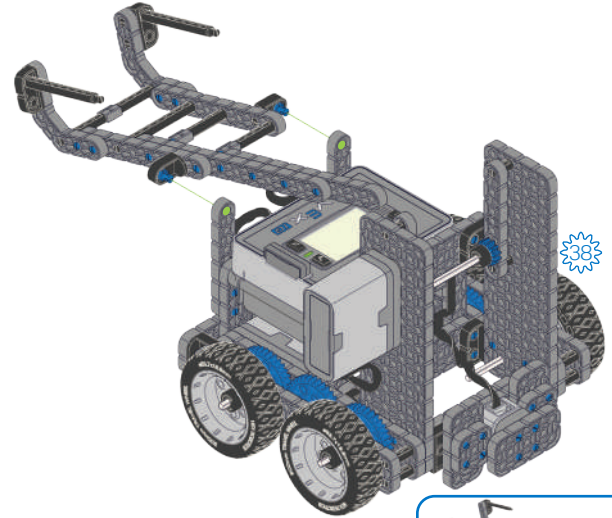
47

2x

 228-2500-060


vexiq.com/clawbotiq/47

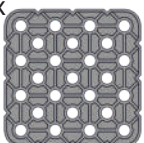

48


vexiq.com/clawbotiq/48


49

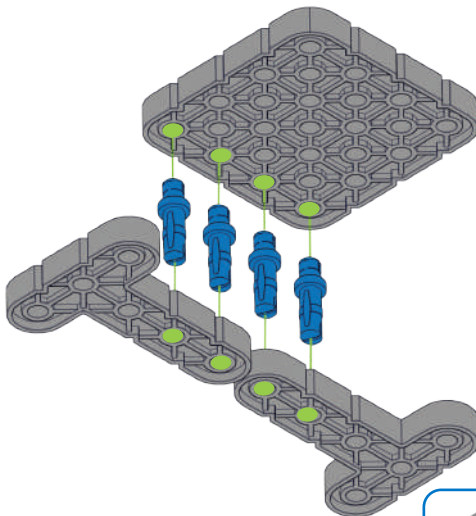
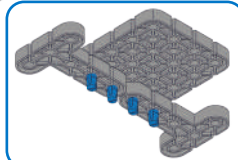
4x

 228-2500-061

1x

 228-2500-040

2x

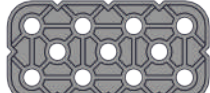
 228-2500-144

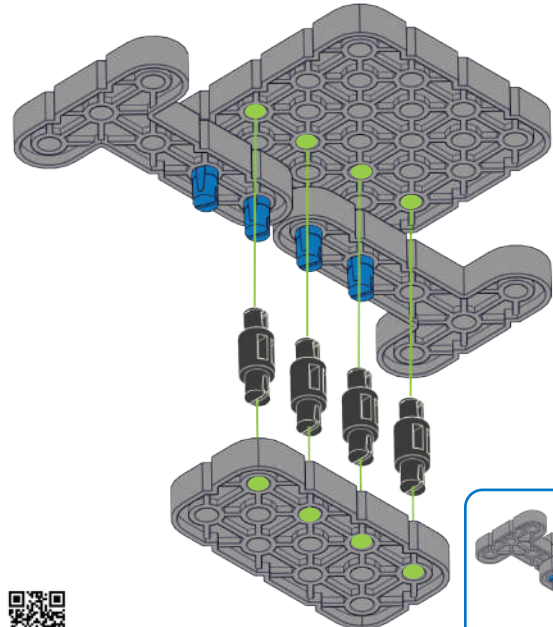
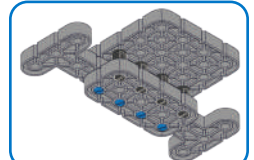

vexiq.com/clawbotiq/49


50

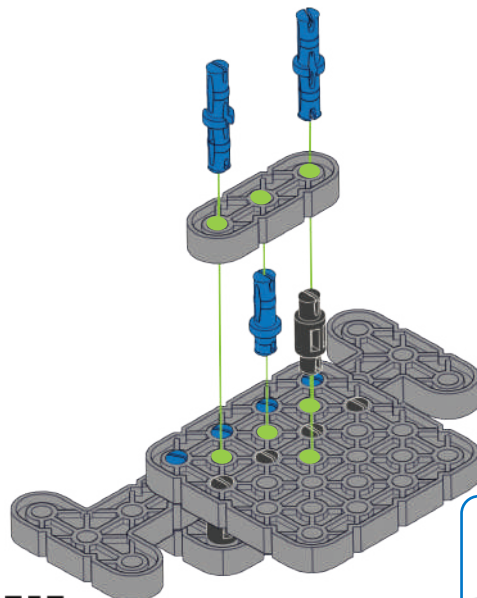
4x

 228-2500-064

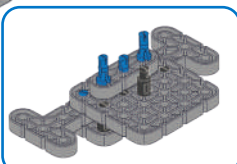
1x

 228-2500-019


vexiq.com/clawbotiq/50


51

1x
228-2500-0612x
228-2500-0621x
228-2500-0641x
228-2500-002

vexiq.com/clawbotiq/51



52

2x

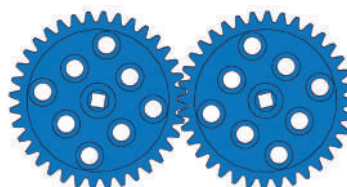


228-2500-214

2x

228-2500-076 (4xP)

1:1



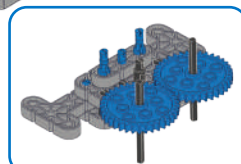
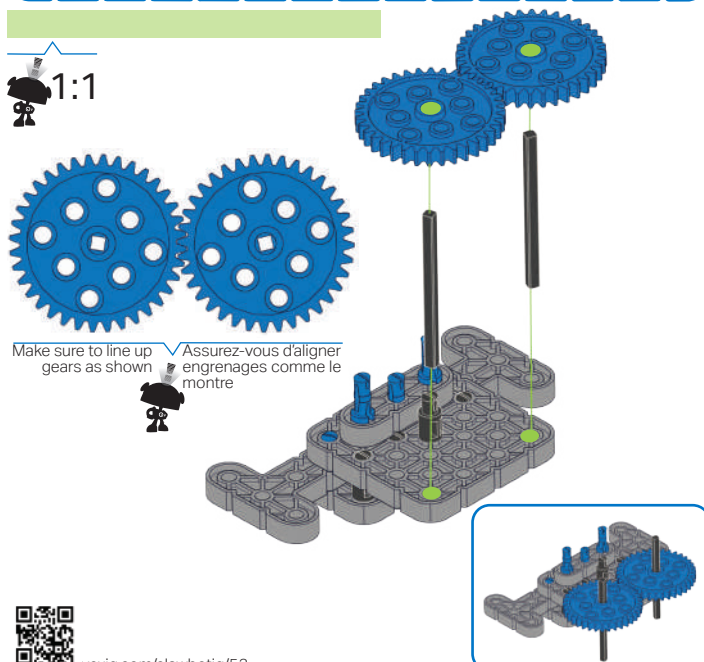
Make sure to line up
gears as shown



Assurez-vous d'aligner
engrenages comme le
montre

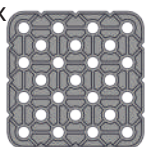


vexiq.com/clawbotiq/52

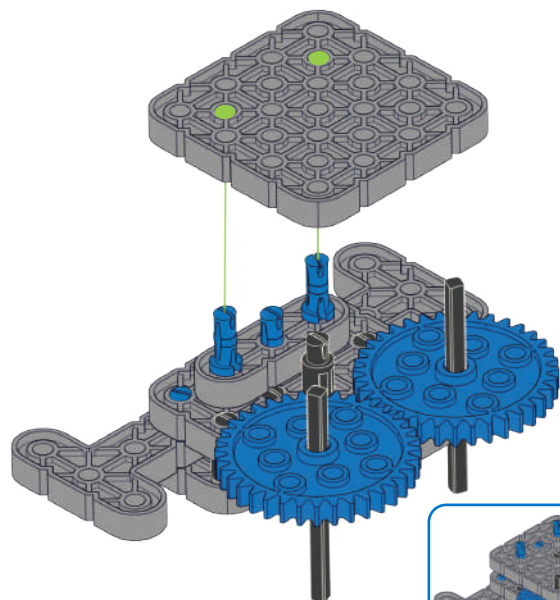


53

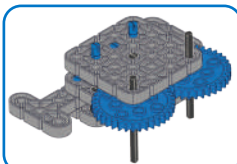
1x



228-2500-040



vexiq.com/clawbotiq/53

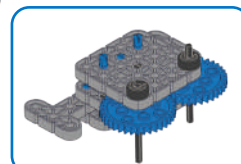
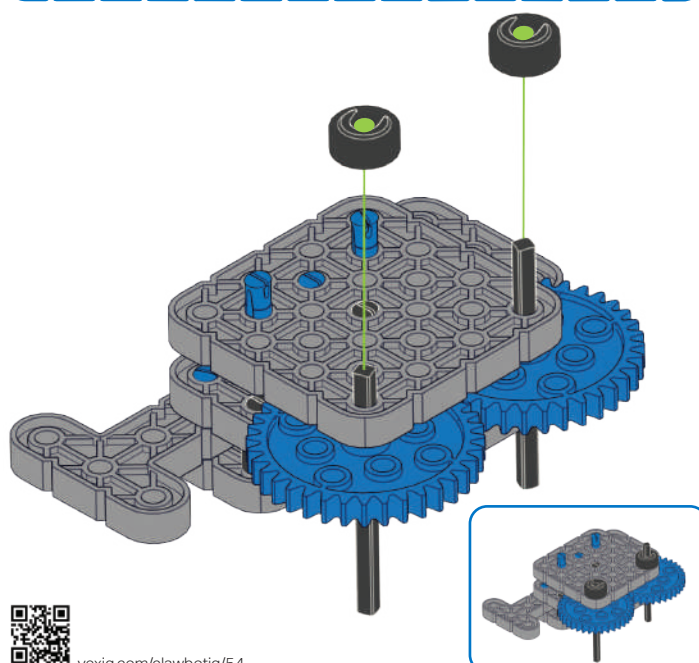


54

2x



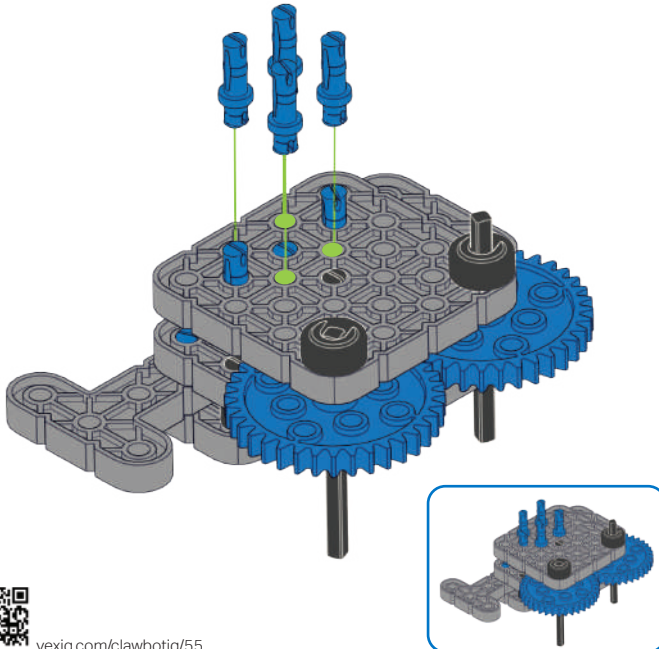
228-2500-143



vexiq.com/clawbotiq/54

55

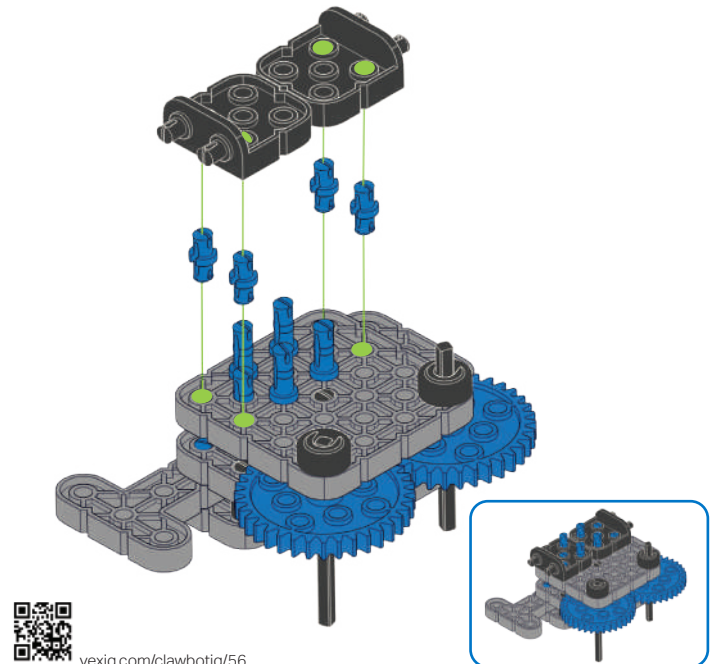
4x
228-2500-061



56

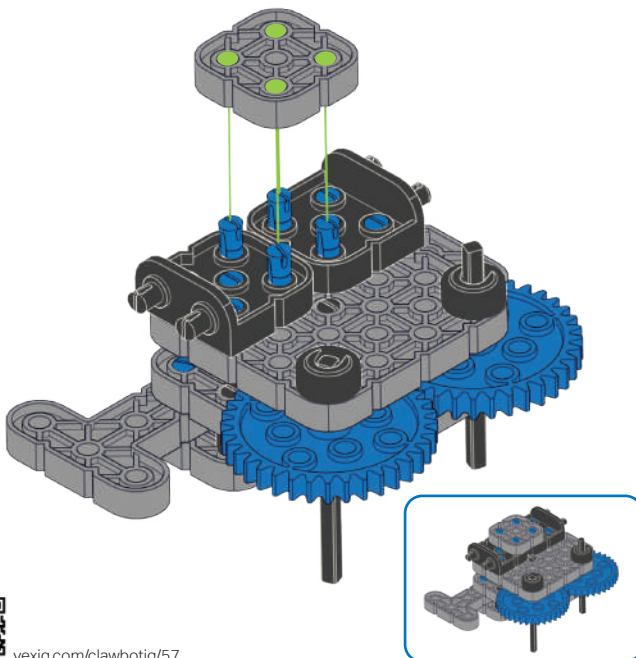
4x
228-2500-060

2x
228-2500-134



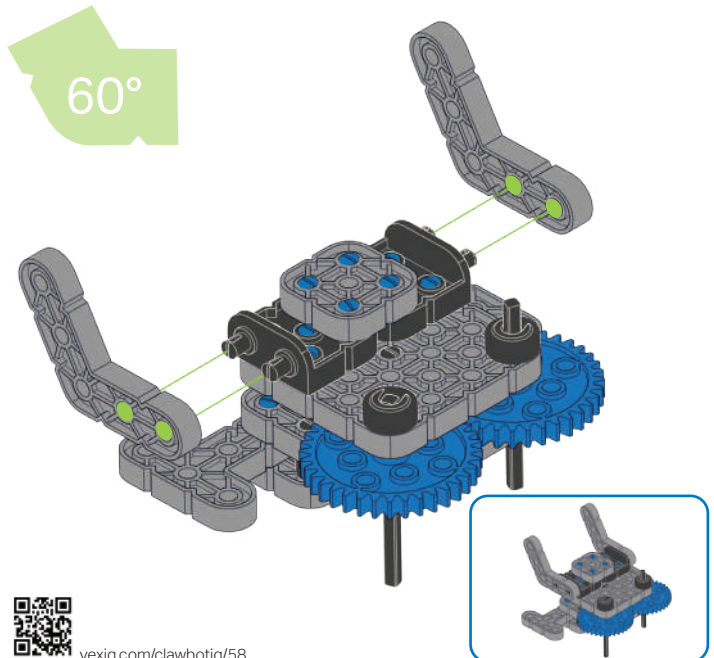
57

1x
228-2500-017



58

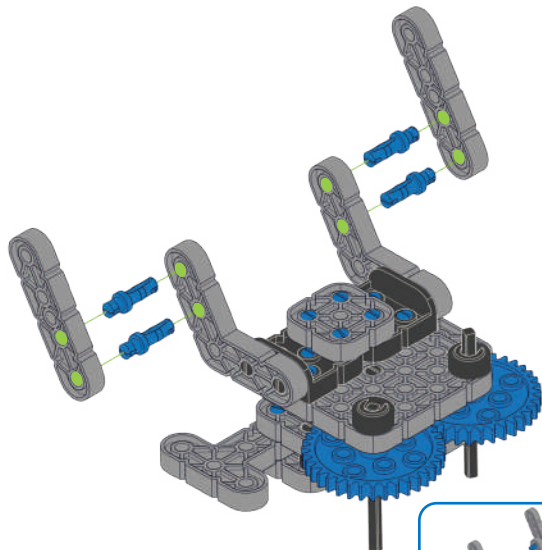
2x
228-2500-149 60°



59

4x
228-2500-061

2x
228-2500-003

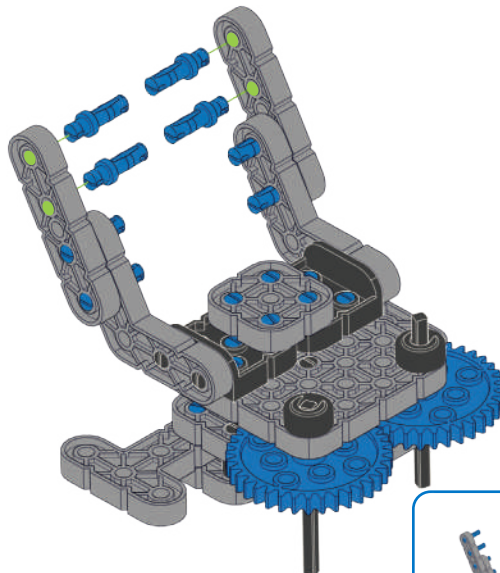


vexiq.com/clawbotiq/59



60

4x
228-2500-061

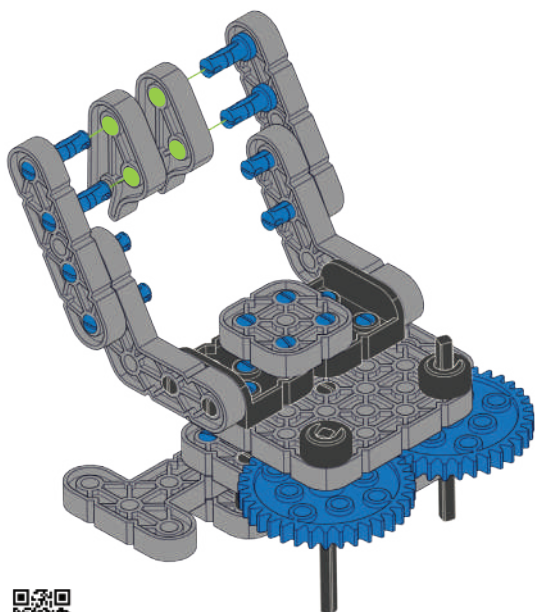


vexiq.com/clawbotiq/60



61

2x
228-2500-157

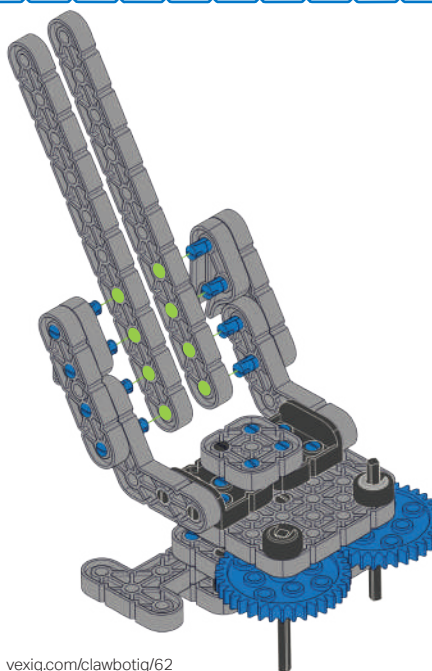


vexiq.com/clawbotiq/61



62

2x
228-2500-009



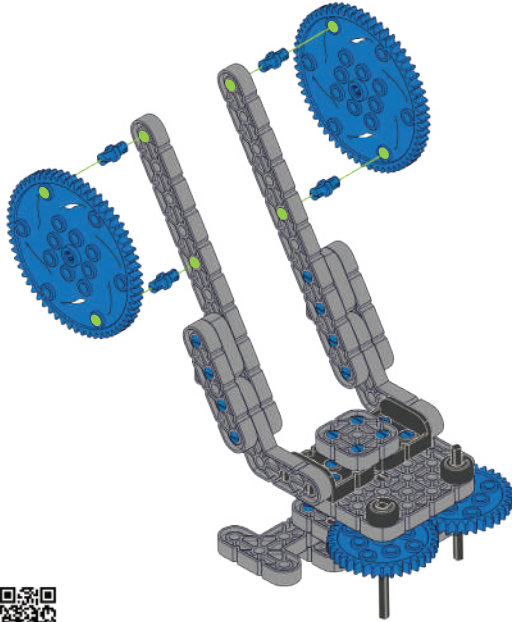
vexiq.com/clawbotiq/62



63

4x
228-2500-060

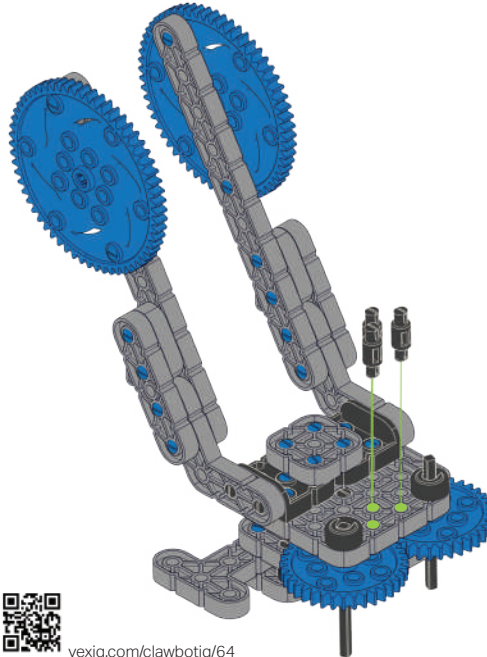
2x
228-2500-215



vexiq.com/clawbotiq/63

64

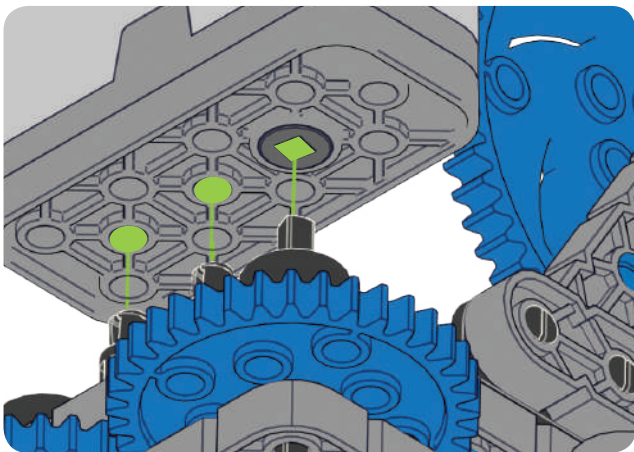
3x
228-2500-064



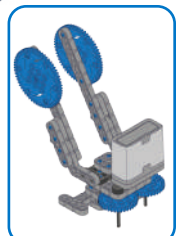
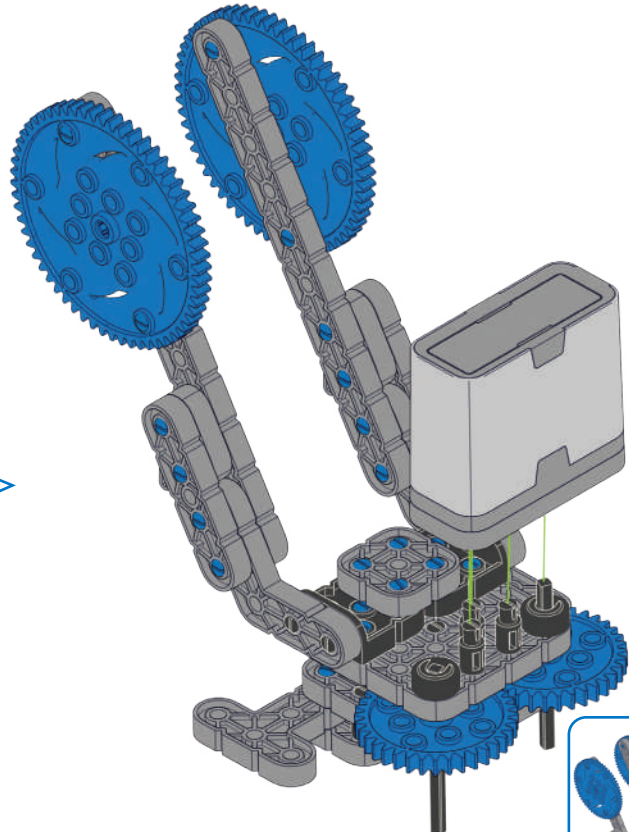
vexiq.com/clawbotiq/64

65

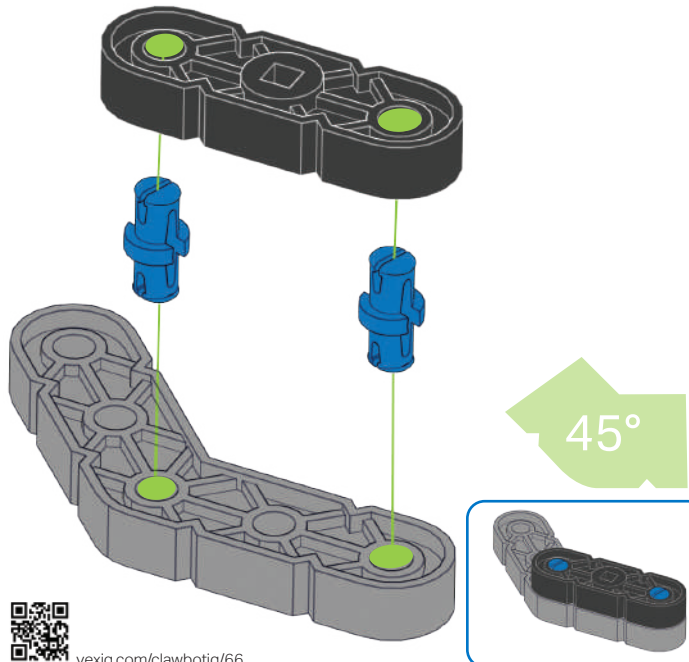
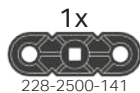
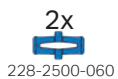
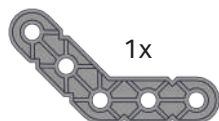
1x
228-2560



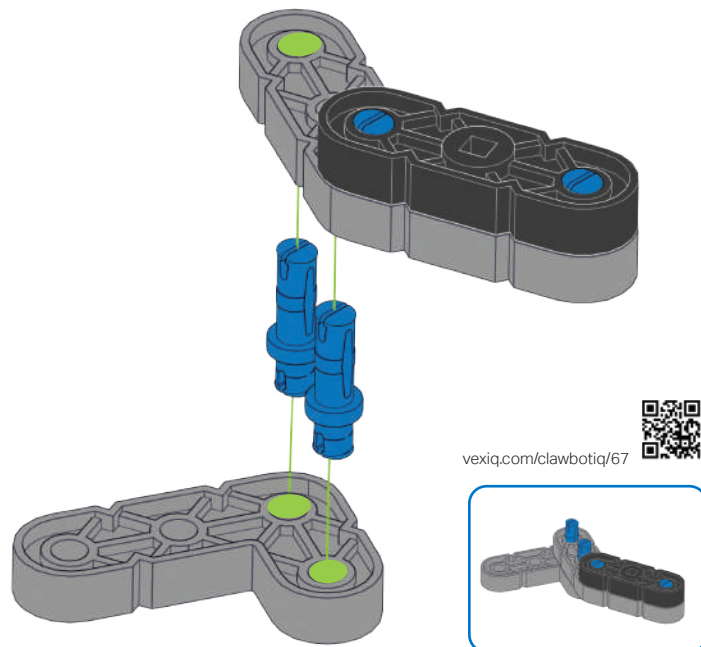
vexiq.com/clawbotiq/65



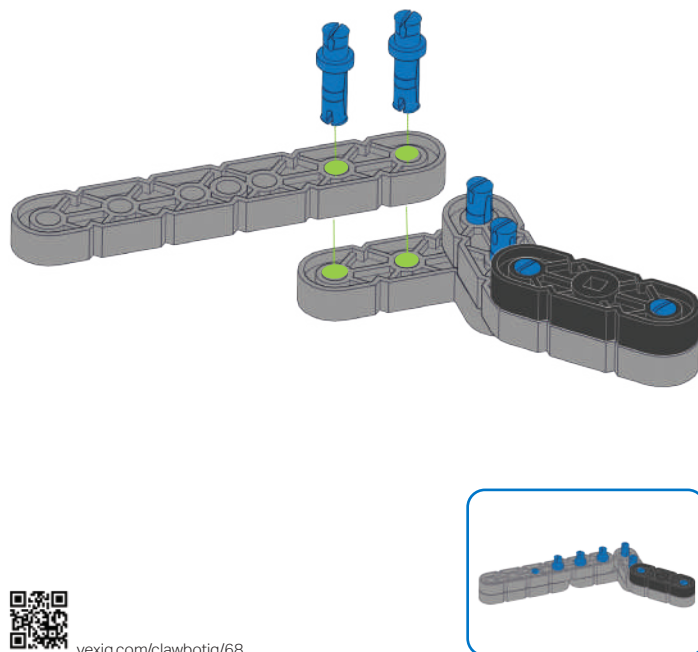
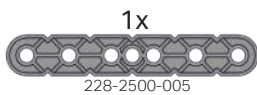
66



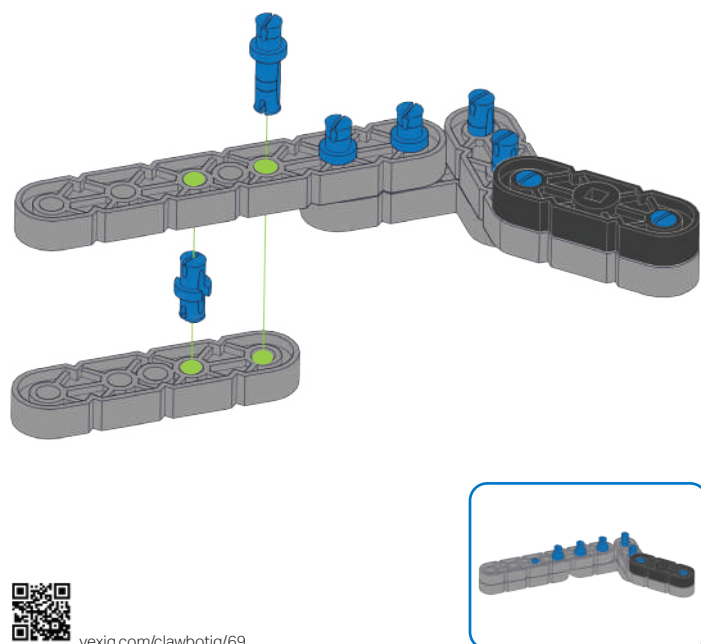
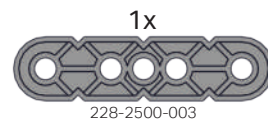
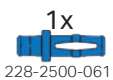
67



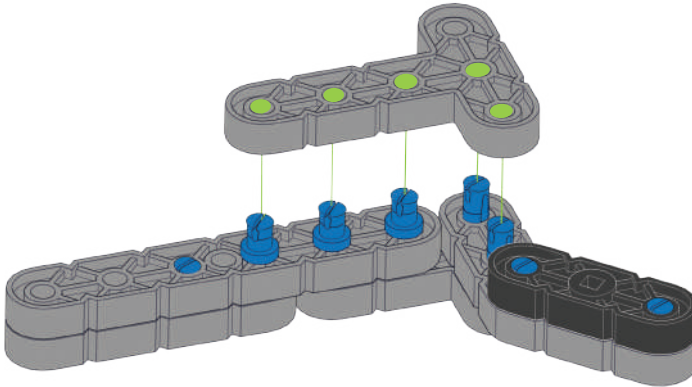
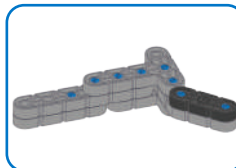
68



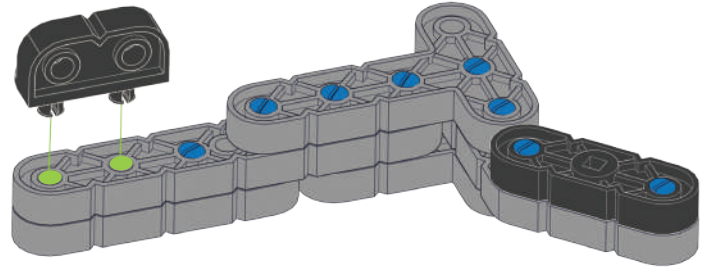
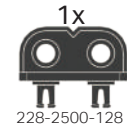
69



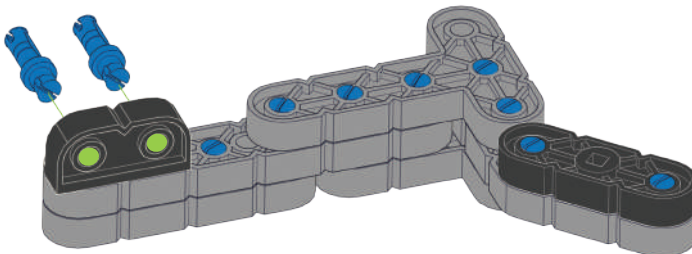
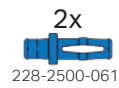
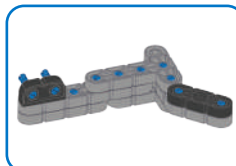
70


vexiq.com/clawbotiq/70


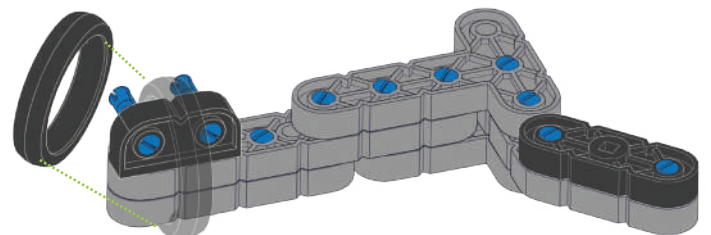
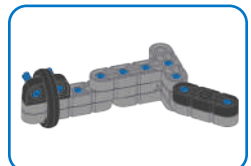
71


vexiq.com/clawbotiq/71


72

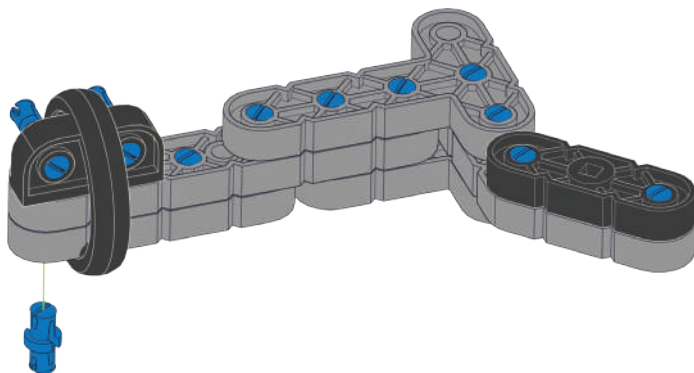

vexiq.com/clawbotiq/72


73

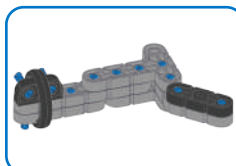

vexiq.com/clawbotiq/73


74

1x
228-2500-060

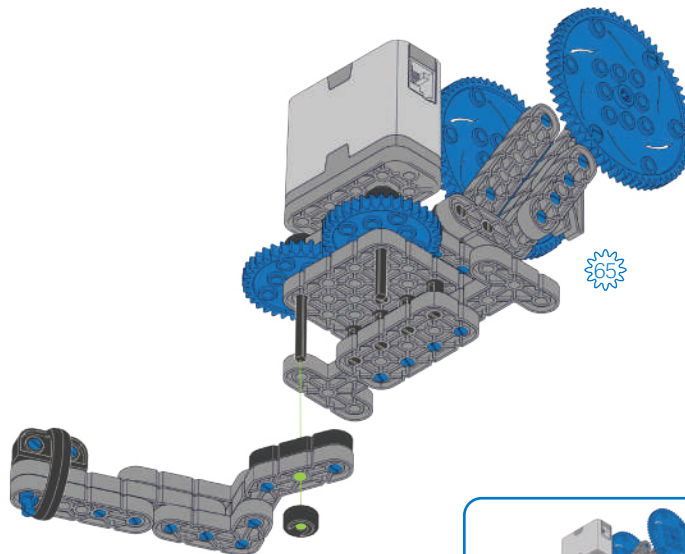


vexiq.com/clawbotiq/74

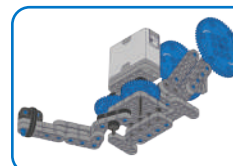


75

1x
228-2500-143



vexiq.com/clawbotiq/75

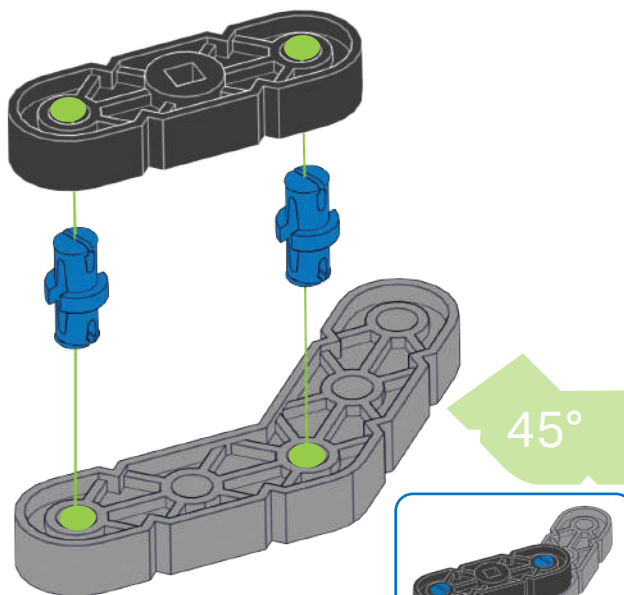


76

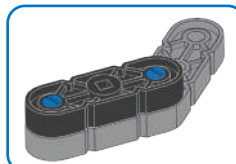
1x
228-2500-148 45°

2x
228-2500-060

1x
228-2500-141



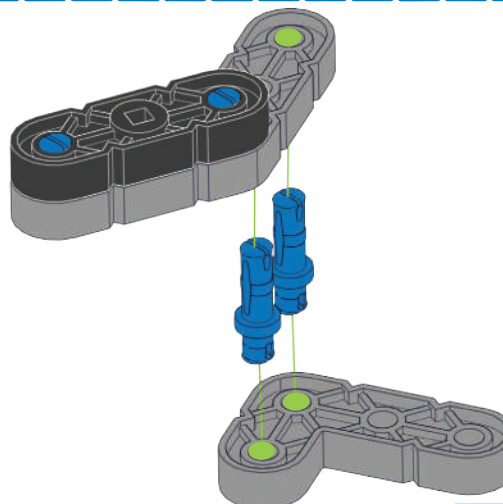
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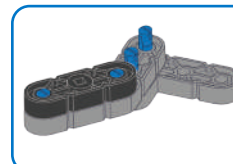
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1x
228-2500-145

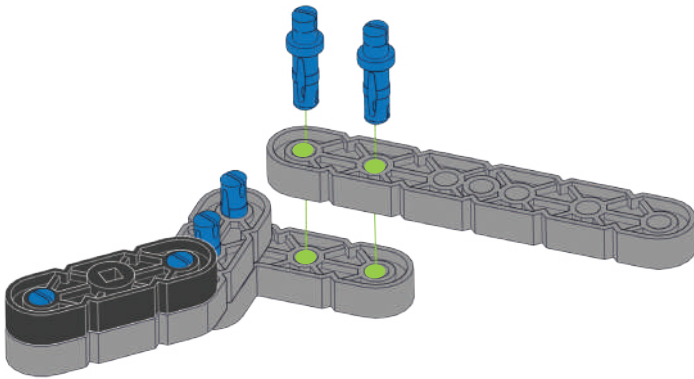
2x
228-2500-061



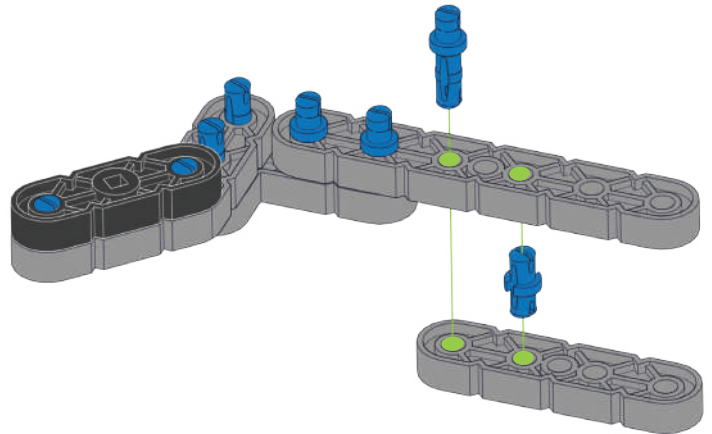
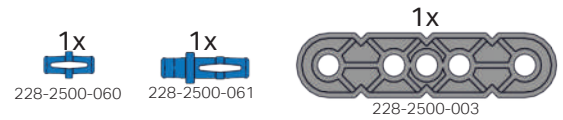
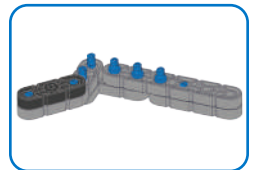
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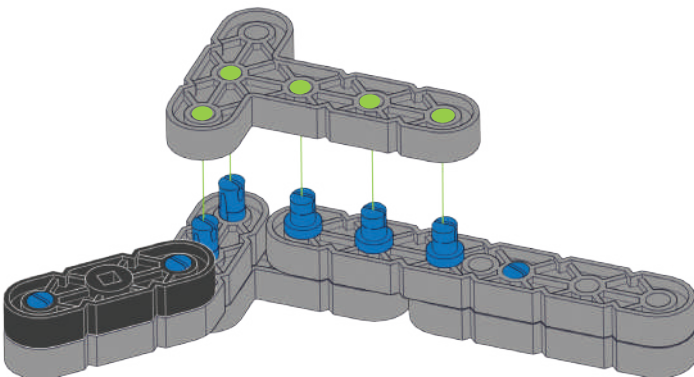
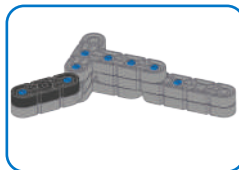
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vexiq.com/clawbotiq/78

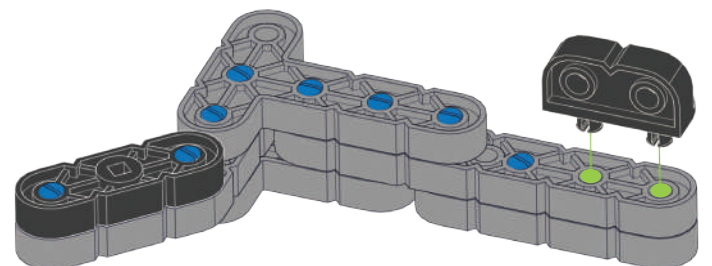
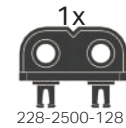
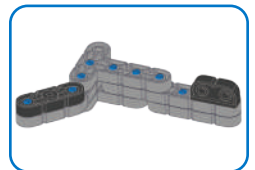

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80

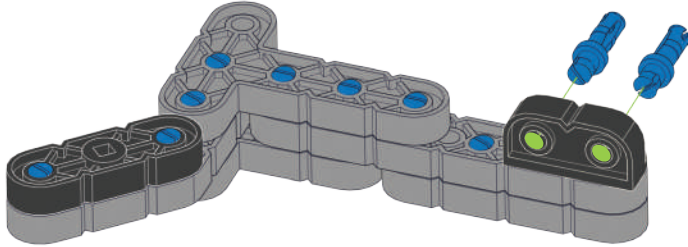

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81

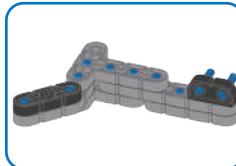

vexiq.com/clawbotiq/81


82

2x
228-2500-061



vexiq.com/clawbotiq/82

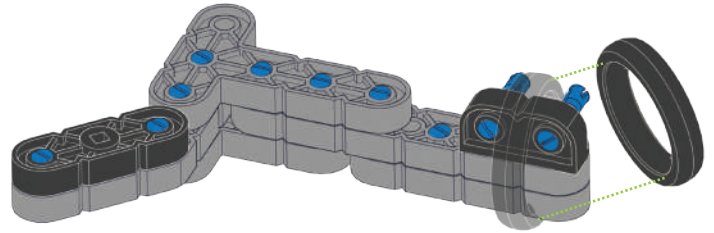


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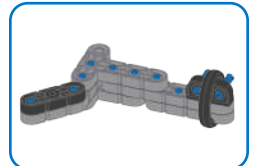
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228-2500-207

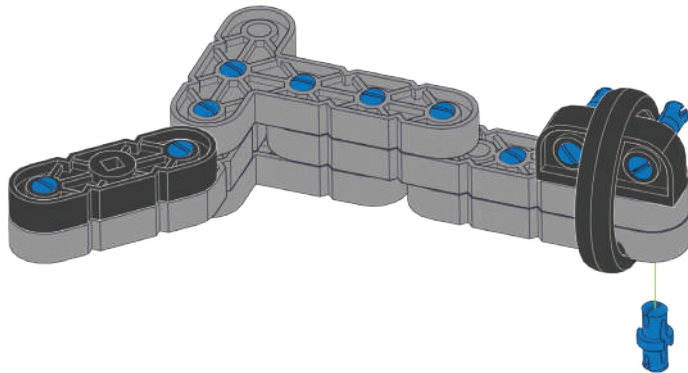


vexiq.com/clawbotiq/83

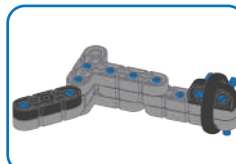


84

1x
228-2500-060



vexiq.com/clawbotiq/84

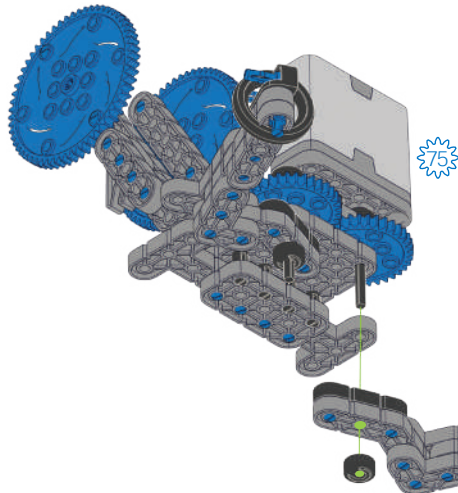


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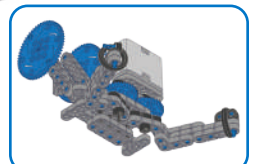
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228-2500-143



vexiq.com/clawbotiq/85



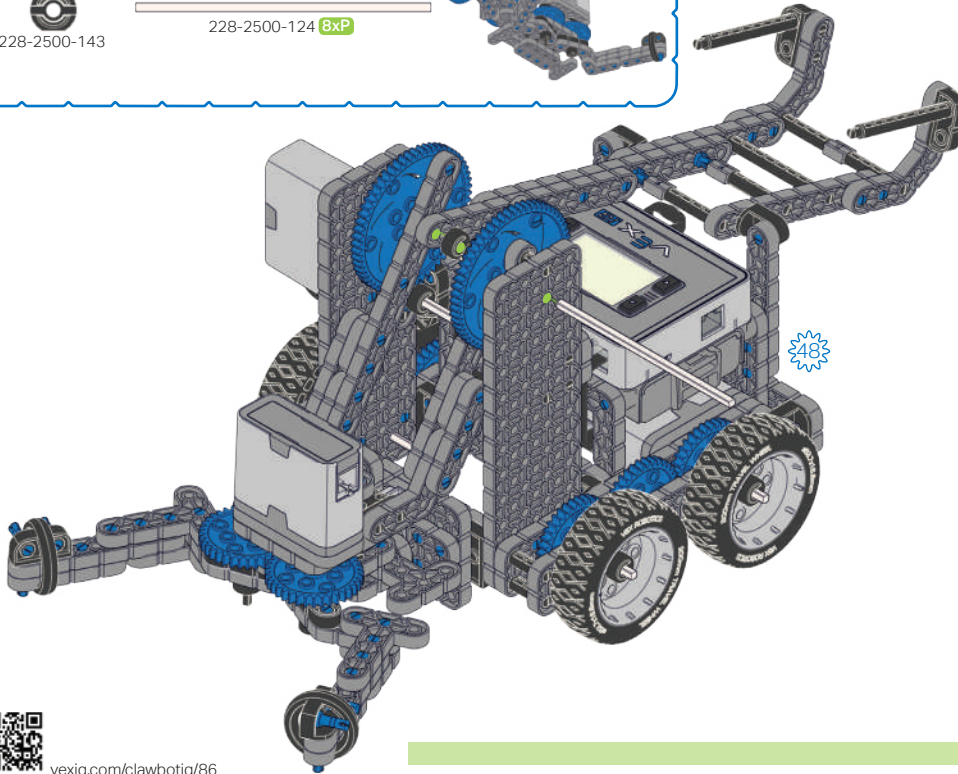
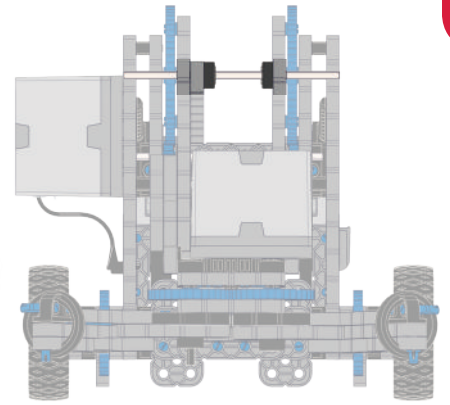
86

2x

228-2500-143

1x

228-2500-124 8xP

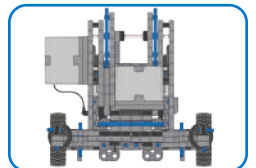


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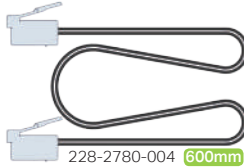


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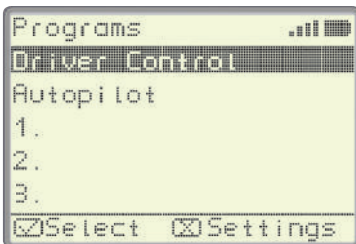
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87



228-2780-004 600mm



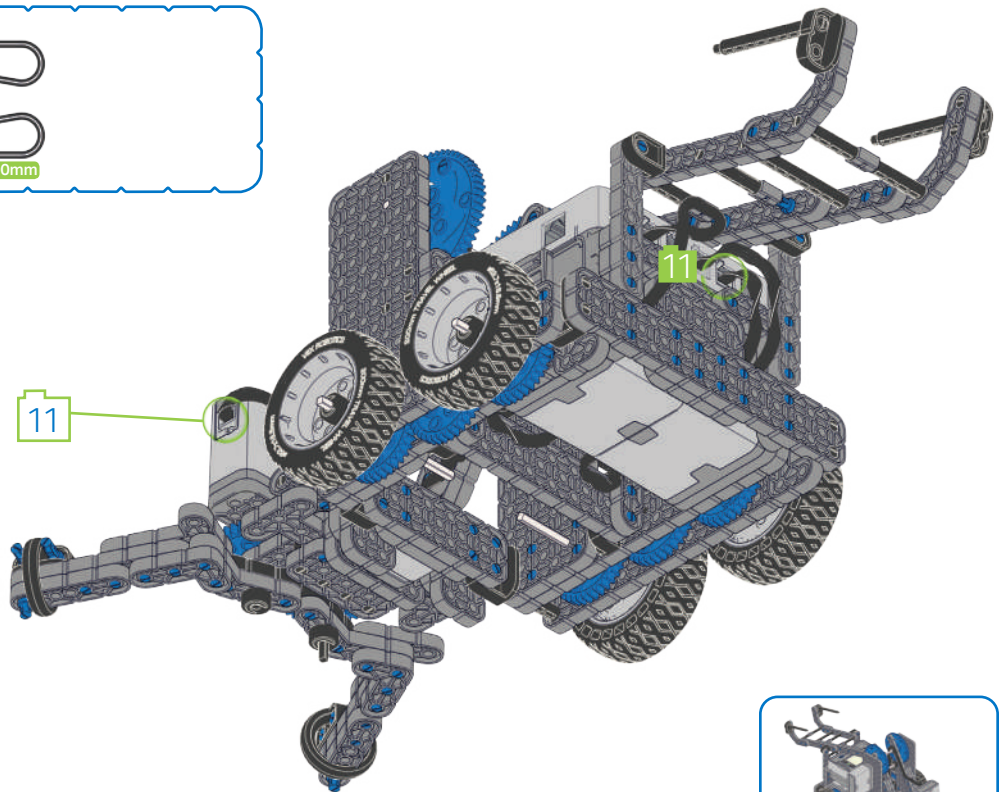
6.1



For information on the Driver Control Program, see:
Pour plus d'informations sur le programme Driver Control, voir:



vexiq.com/clawbotiq/87



11

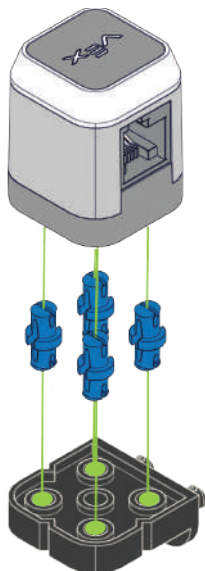
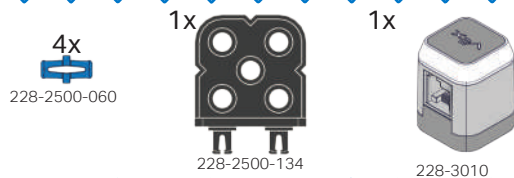
11



Clawbot IQ with Sensors

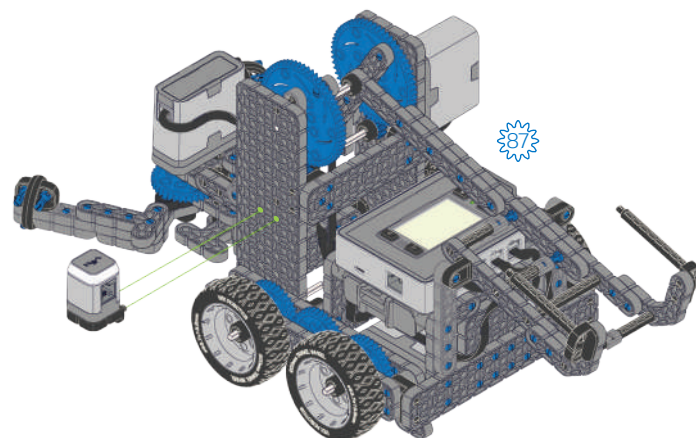
3 Clawbot IQ avec Capteurs

88



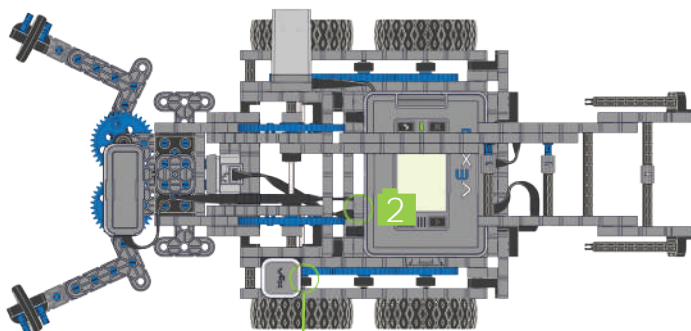
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89



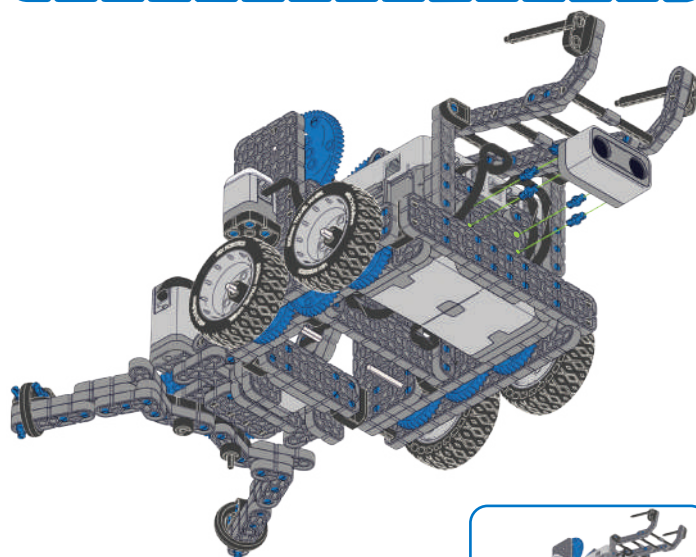
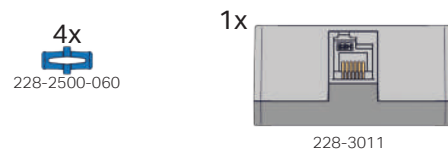
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90



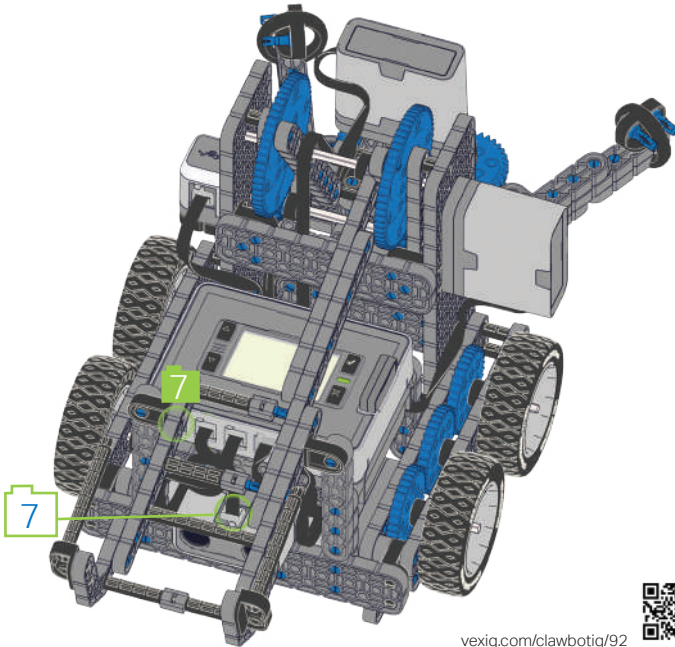
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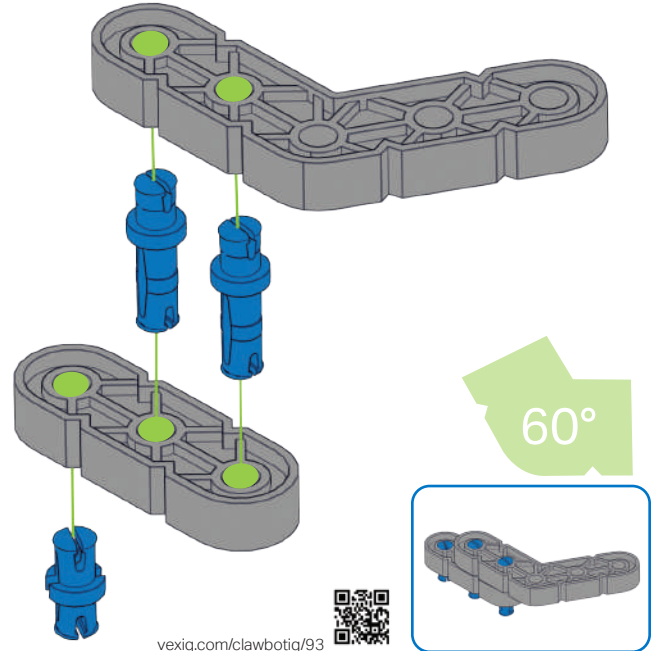
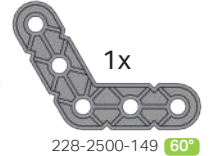
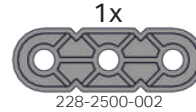
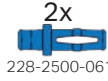


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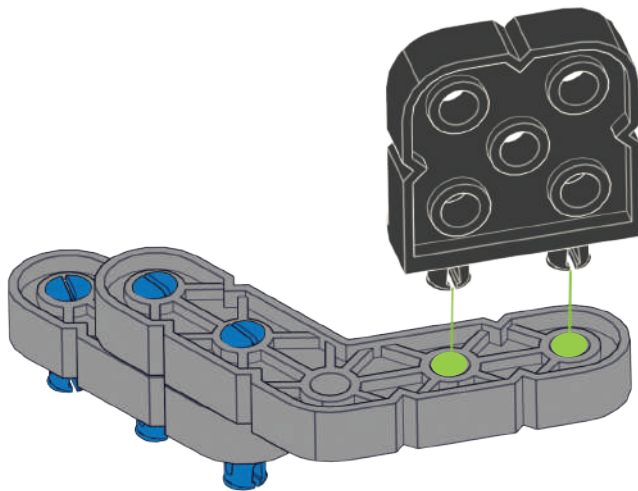
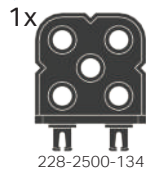
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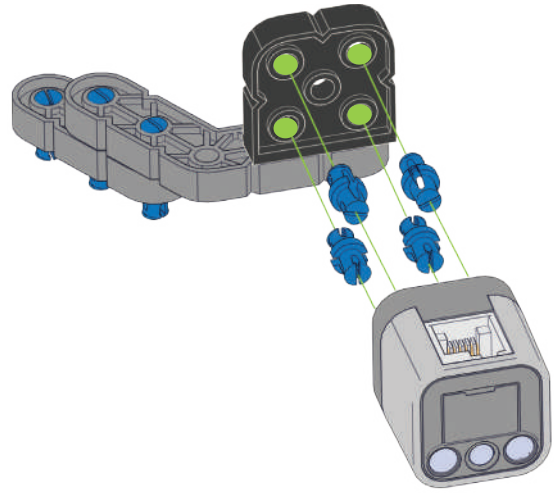
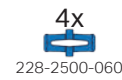
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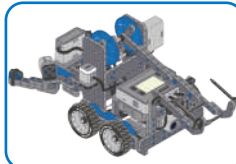
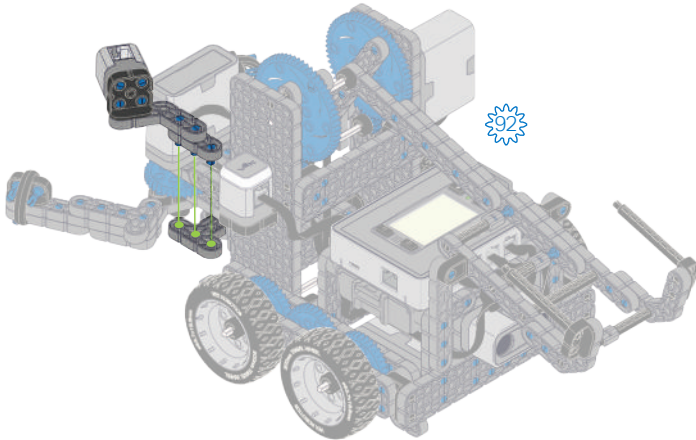
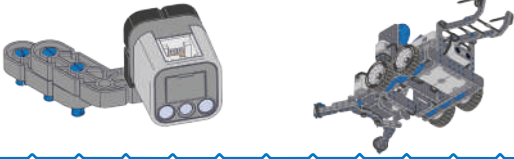
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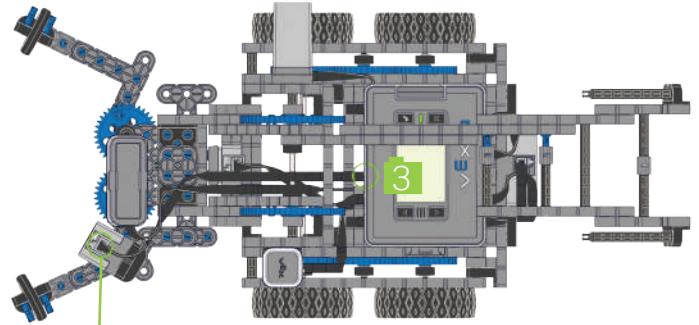
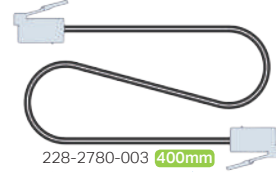
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96


vexiq.com/clawbotiq/96

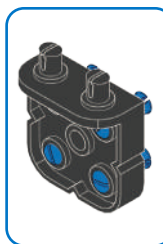
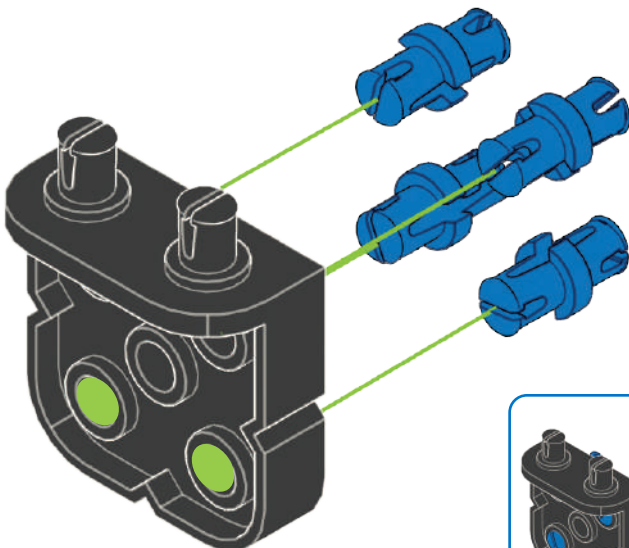
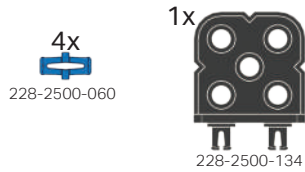
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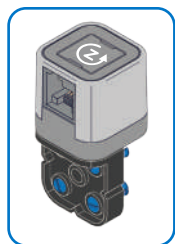
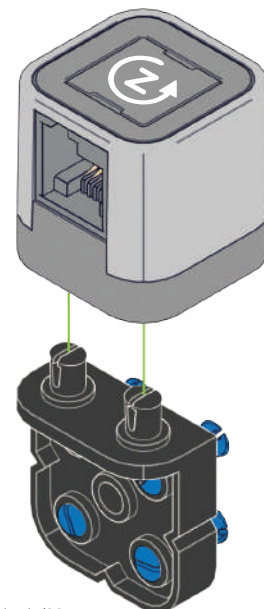
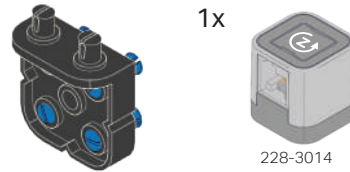
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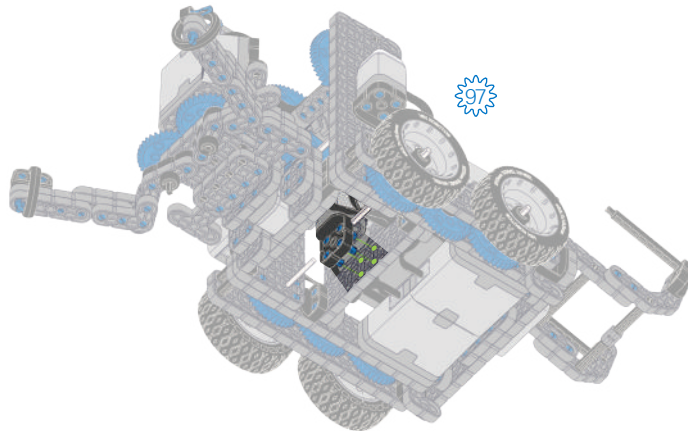
98


vexiq.com/clawbotiq/98

99

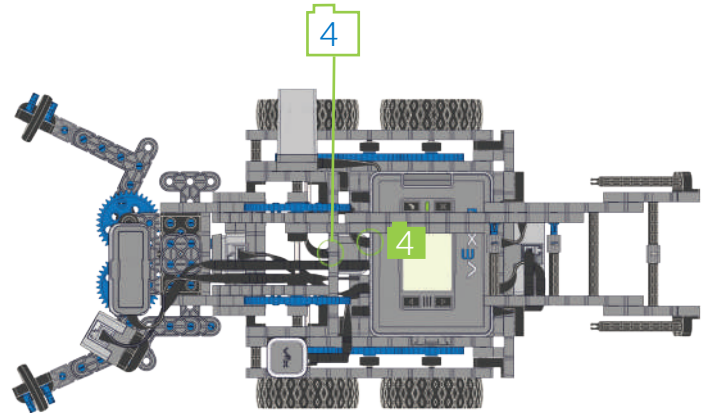

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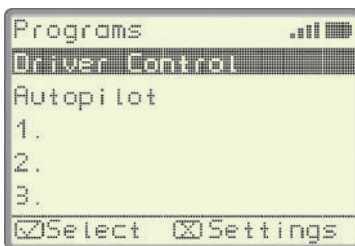


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101



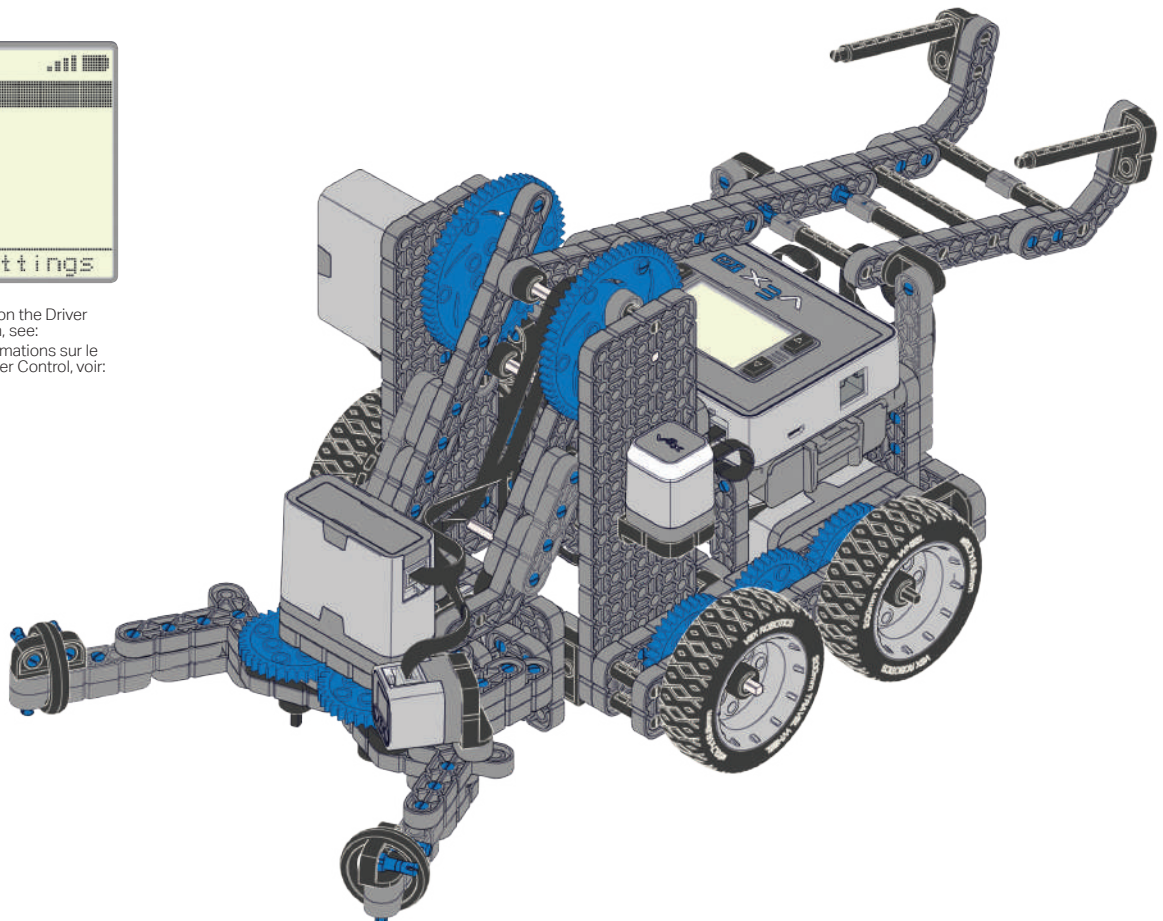
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6.1



For information on the Driver Control Program, see:
Pour plus d'informations sur le programme Driver Control, voir:



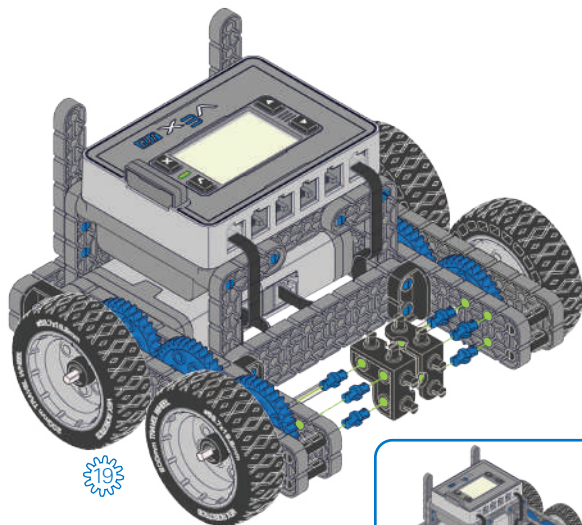
Autopilot Instructions

4 Instruction pour l'Autopilote

102

6x
228-2500-060

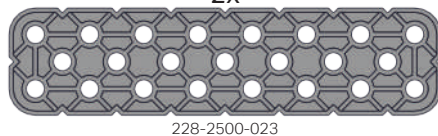
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228-2500-126



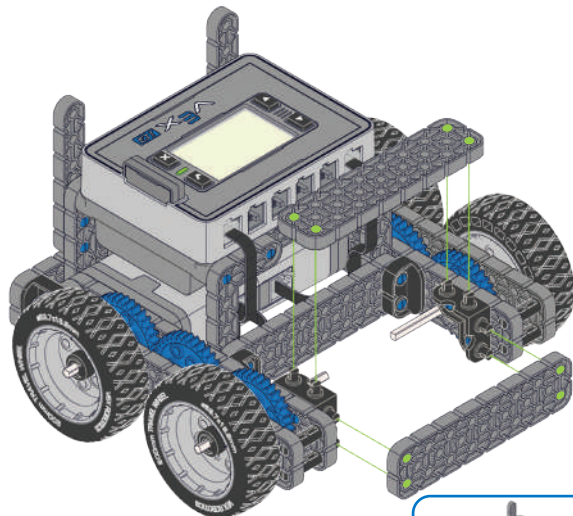
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103

2x



228-2500-023

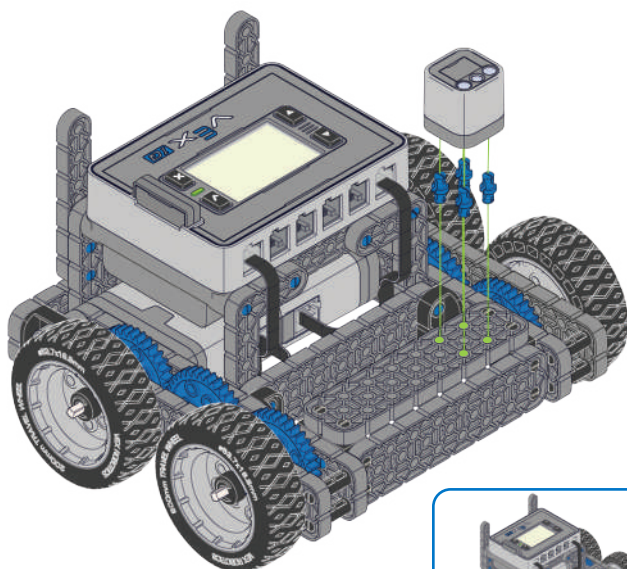


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104

4x
228-2500-060

1x
228-3012

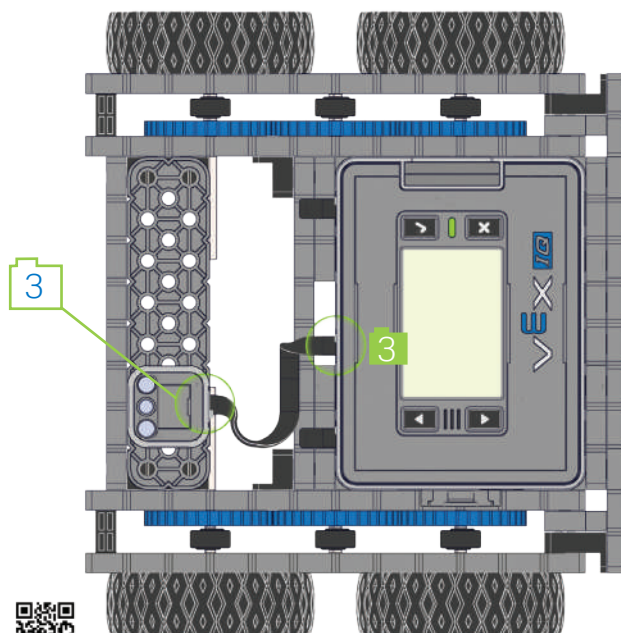


vexiq.com/clawbotiq/104

105



228-2780-002 300mm



vexiq.com/clawbotiq/105

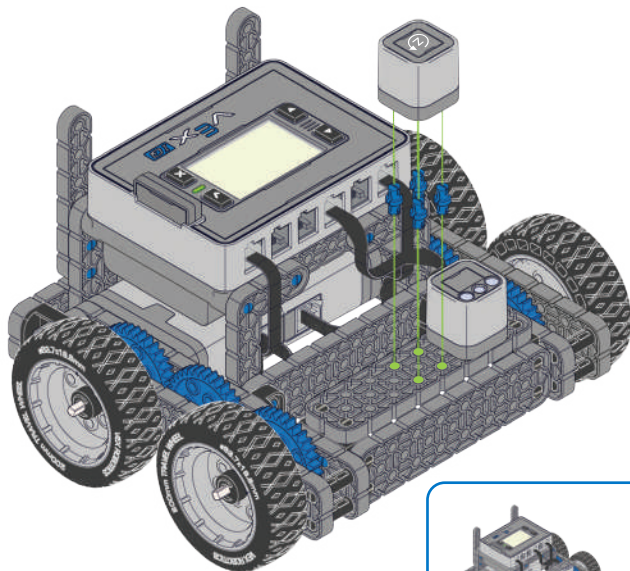
106

4x
228-2500-060

1x



228-3014



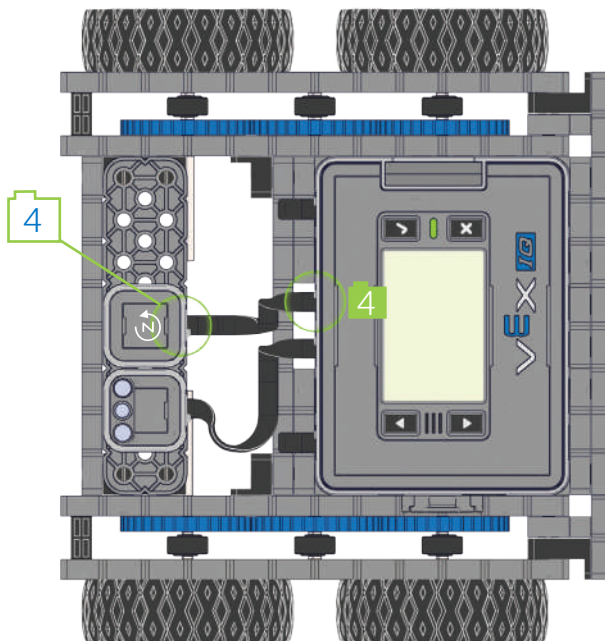
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107



228-2780-002 300mm



vexiq.com/clawbotiq/107

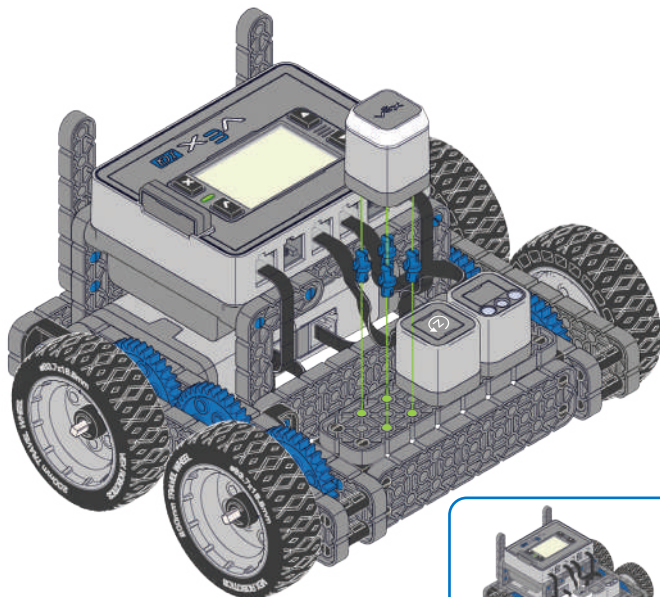
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228-2500-060

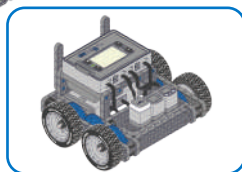
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228-3010



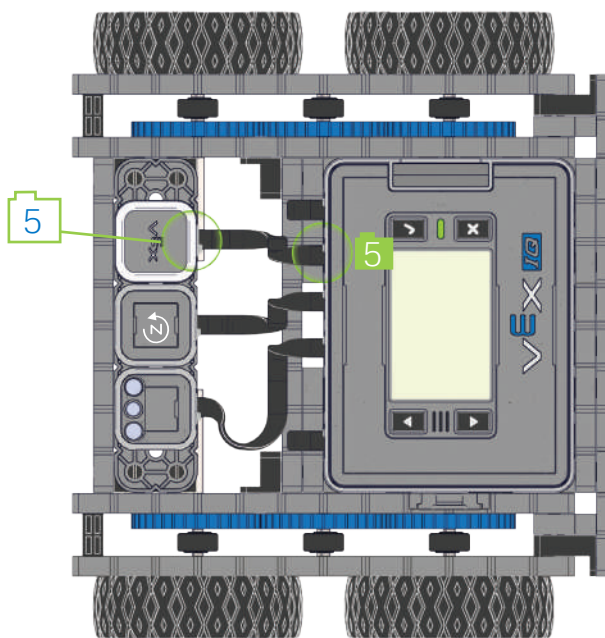
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109

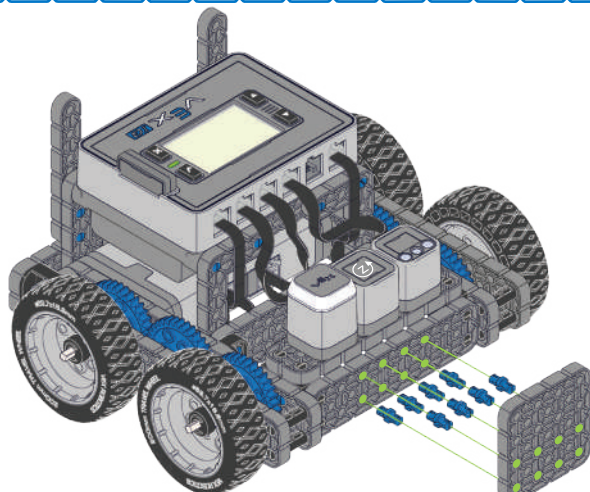


228-2780-002 300mm



vexiq.com/clawbotiq/109

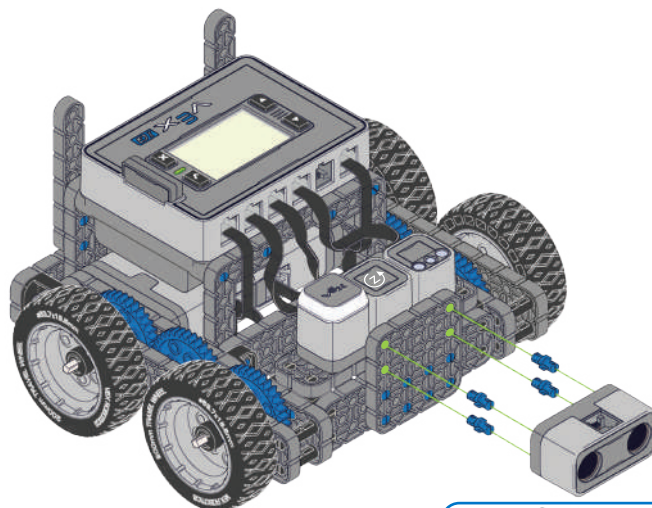
110

8x
228-2500-0601x
228-2500-040

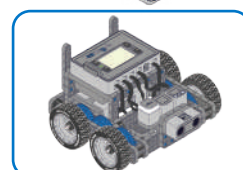
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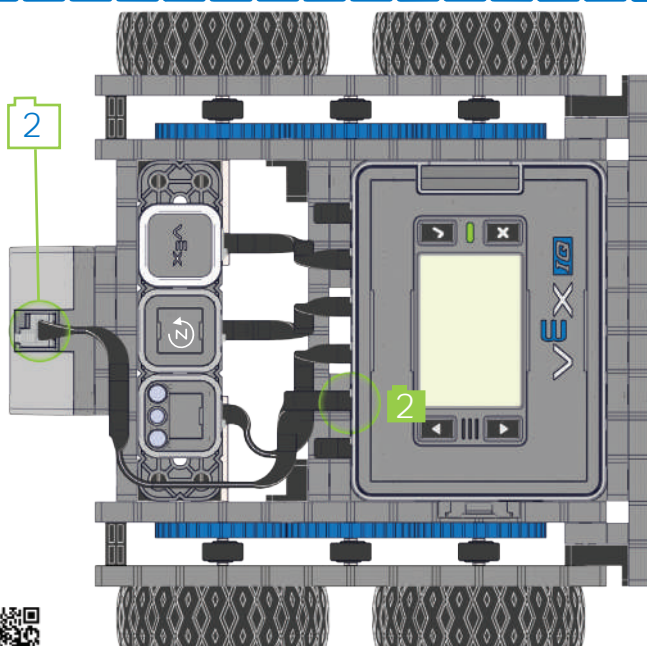
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228-2500-0601x
228-3011

vexiq.com/clawbotiq/111



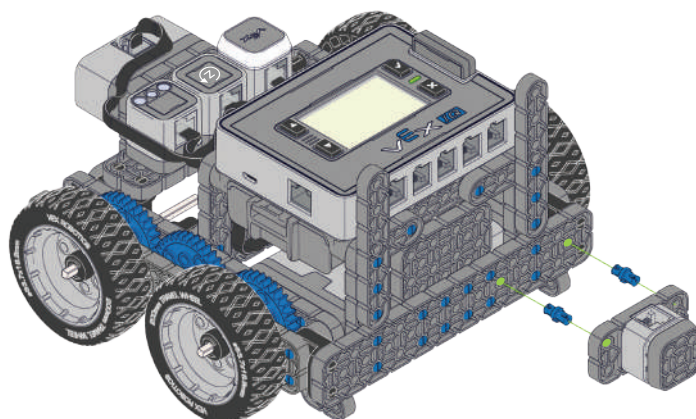
112

228-2780-002 300mm

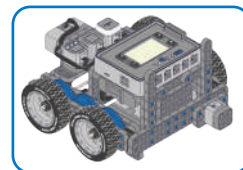


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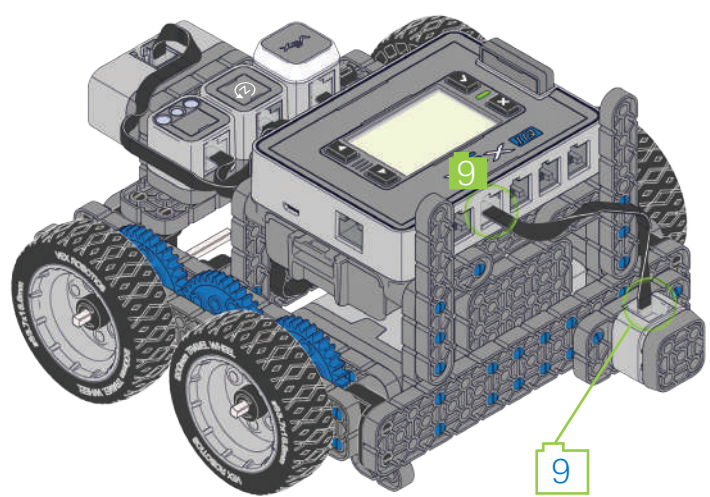
113

2x
228-2500-0601x
228-2677

vexiq.com/clawbotiq/113



114



vexiq.com/clawbotiq/114

115

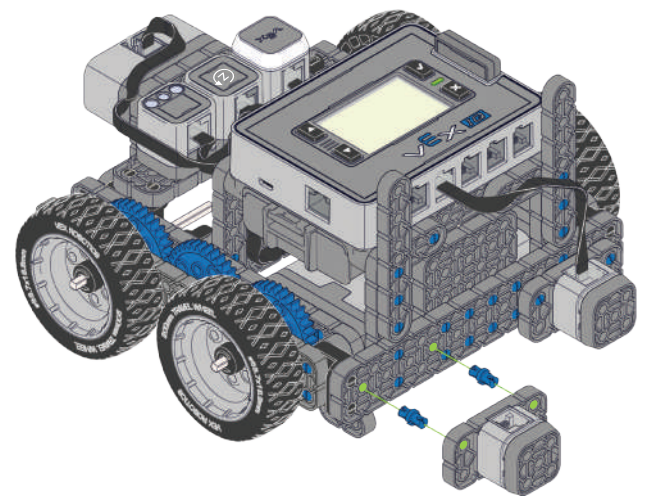


2x
228-2500-060

1x

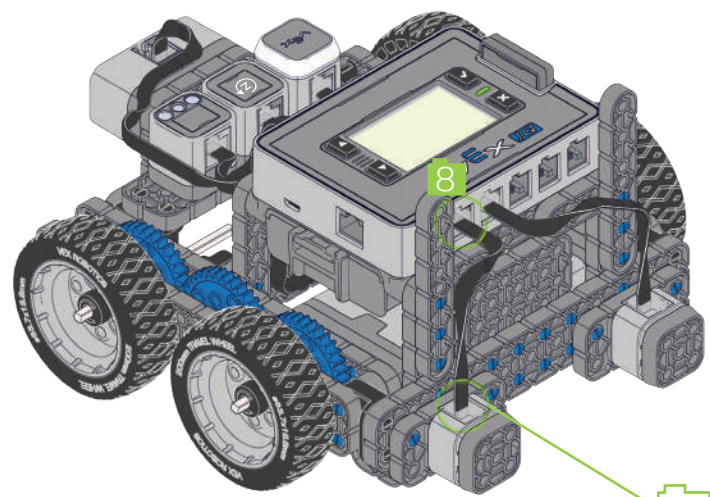
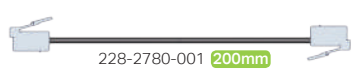


228-2677

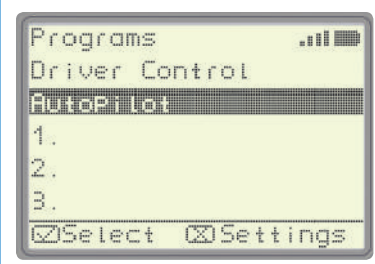
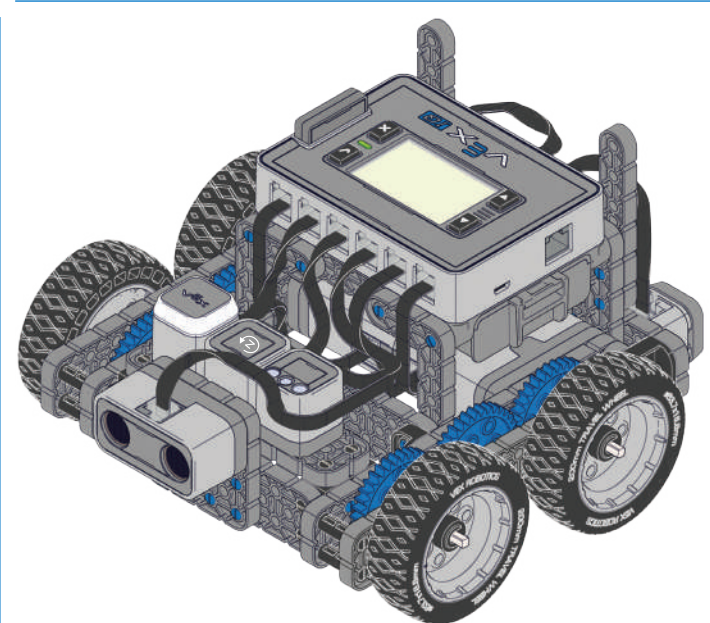


vexiq.com/clawbotiq/115

116



vexiq.com/clawbotiq/116



6.2



For information on Autopilot Program see:
Pour plus d'informations sur le programme Autopilot, voir:



Build Instructions Instructions de Construction

Ages 8+
Ans 8+

228-3428-750 Rev10

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